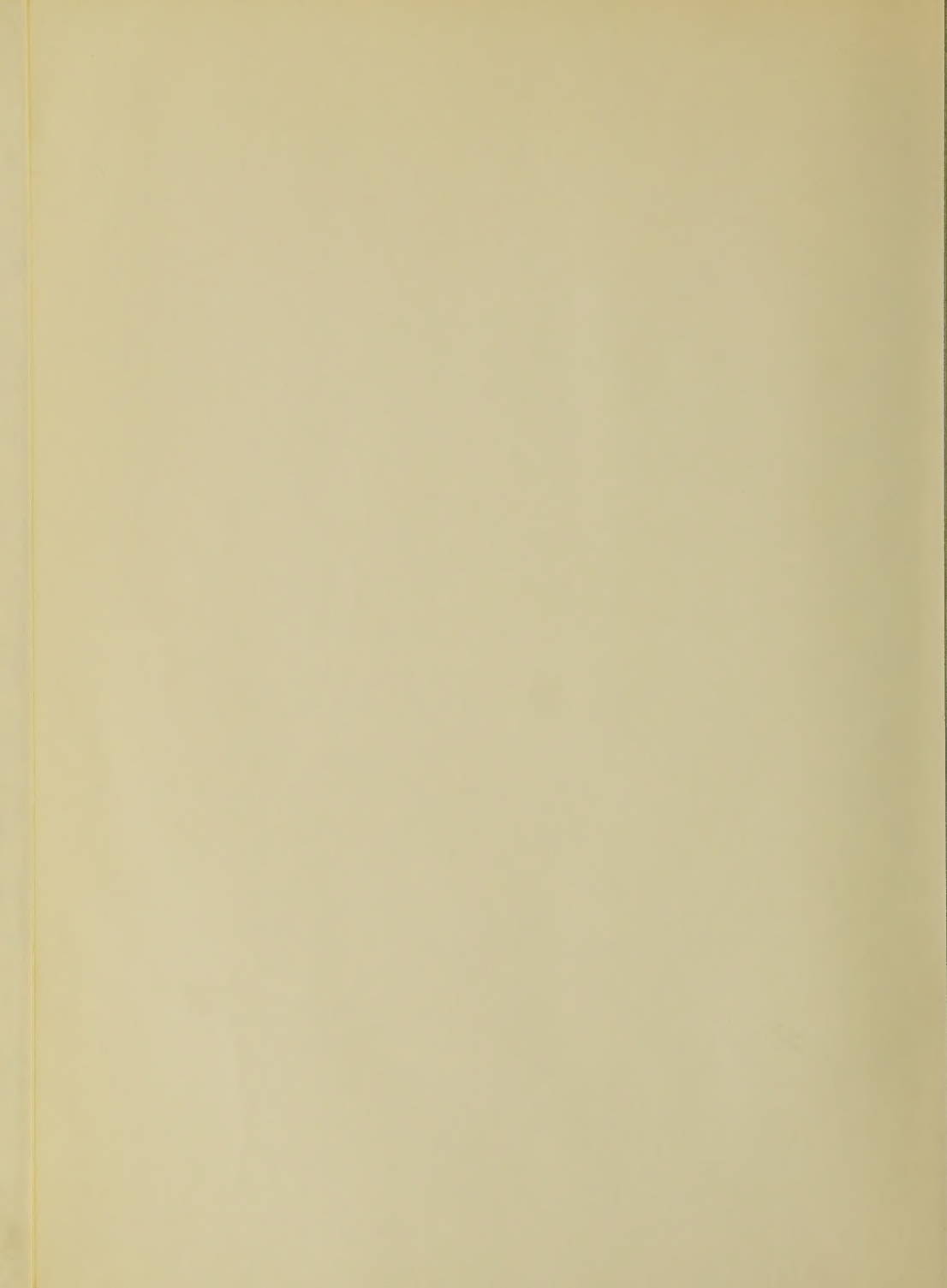


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Vol. 31

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No. 1

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For more detailed coverage of the literature on pests and their control, please consult the Pesticides Documentation Bulletin, a biweekly publication of the National Agricultural Library.

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The Bibliography is a classified arrangement of references under the following subjects:

- Agricultural Economics and Rural Sociology
- Agricultural Products
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- Engineering
- Entomology
- Food and Human Nutrition
- Forestry
- Plant Science
- Soils and Fertilizers
- Miscellaneous

The classified section is followed by the listing of:

- New Periodicals and Serials
- Translations
- USDA Publications
- State Agricultural Experiment Station Publications
- State Agricultural Extension Service Publications
- Food and Agriculture Organization of the United Nations (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

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CONTENTS

	Item		Item		Item
AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY	1-805	Consumption and Utilization	1788	Harvesting Equipment	4120
General	1	Distribution, Marketing, and Transportation	1792	Land Clearing Equipment	
Agricultural Finance	51	Grading, Inspection, Standardization, and Quality	1826	Processing Equipment Used on the Farm	4186
Credit	73	Packing and Packaging	1843	Repair, Maintenance, and Construction Equipment	4216
Income	100	Prices, Price Control, and Rationing	1847	Spraying and Dusting Equipment	4223
Inflation	111	Processing and Storage	1855	Vehicles	
Insurance	120	Statistics	1873	Farm Structures and Rural Housing	4268
Agricultural Labor and Wages	127	Oils and Oilseeds	1884	Animal Shelters and Animal Service Buildings	4279
Agriculture - Situation, Policies and Programs	190	Poultry and Poultry Products	1954	Farm Utilities and Farmsteads	4324
Subsidies	295	Rubber and Rubber Substitutes	1999	Greenhouses and Plant Service Buildings	4326
Cost and Standard of Living	296	Seeds	2012	Materials and Methods	4338
Farm Management and Land Economics	297	Sugar and Sirups	2018	Storage Structures	4340
Bookkeeping and Records	434	Tobacco	2055	Walls and Fences	4344
Costs and Returns	455	Miscellaneous Products	2080	Farm Utilities	4345
Land Settlement and Colonization	511	ANIMAL INDUSTRY	2102-3960	Electricity and Electrification	4345
Land Tenure	519	Breeds and Breeding	2102	Heating, Lighting, and Radiation	4353
Land Utilization	540	Feeds and Feeding	2119	Power Plants, Motors, and Engines on the Farm	4354
Land Values and Valuation	563	Veterinary Medicine	2177	Sewage and Waste Disposal	4358
Population	570	Miscellaneous	2385	Telephones	4359
Rural Social Organization	583	Cattle	2413	Water Supply	4359
Human Ecology	586	Breeds and Breeding	2413	ENTOMOLOGY	4365-5797
Institutions	593	Feeds and Feeding	2552	General Entomology	4365
Leadership	658	Veterinary Medicine	2692	Arachnida, Myriapoda, etc.	4399
Rural Organizations and Movements	660	Miscellaneous	2901	Coleoptera	4422
Cooperative Organizations	650	Dogs and Cats	2979	Diptera	4482
Rural Social Psychology	688	Breeds and Breeding	2979	Culicidae	4525
Trade, Foreign and International	698	Feeds and Feeding	2988	Drosophila	4538
AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS	806-2101	Veterinary Medicine	3115	Hemiptera (Heteroptera and Homoptera)	4570
General	806	Fur Animals - Pen Raised	3118	Hymenoptera	4600
Analysis and Composition	838	Breeds and Breeding	3118	Lepidoptera	4632
Consumption and Utilization	875	Feeds and Feeding	3129	Orthoptera	4691
Distribution, Marketing, and Transportation	881	Veterinary Medicine	3138	Smaller Orders	4722
Grading, Inspection, Standardization, and Quality	935	Miscellaneous	3150	Taxonomic and Geographic Entomology	4744
Packing and Packaging	971	Horses and Mules	3156	Arachnida, Myriapoda, etc.	4749
Prices, Price Control, and Rationing	978	Feeds and Feeding	3156	Coleoptera	4816
Processing and Storage	991	Veterinary Medicine	3180	Diptera	4915
Statistics	1047	Miscellaneous	3181	Hemiptera	4983
Beverages and Condiments	1079	Laboratory Animals, Small	3244	Hymenoptera	5018
Dairy Products	1140	Breeds and Breeding	3248	Lepidoptera	5074
Analysis and Composition	1180	Feeds and Feeding	3254	Orthoptera	5153
Consumption and Utilization	1238	Veterinary Medicine	3257	Smaller Orders	5168
Distribution, Marketing, and Transportation	1242	Miscellaneous	3303	Insect Control	5211
Grading, Inspection, Standardization, and Quality	1260	Poultry	3308	Pests of Animals and Man	5253
Packing and Packaging	1276	Breeds and Breeding	3308	Pests of Plants	5370
Prices, Price Control, and Rationing	1282	Feeds and Feeding	3339	Forest Pests	5392
Processing and Storage	1283	Veterinary Medicine	3502	Pests of Field and Truck Crops	5461
Statistics	1325	Miscellaneous	3545	Pests of Fruit and Nut Crops	5580
Feed and Forage Crops	1329	Sheep and Goats	3549	Pests of Ornamentals, Greenhouses and Nurseries	5632
Fibers and Textiles	1375	Feeds and Feeding	3551	Pests of Stored Products and Processed Commodities	5640
Fruits, Vegetables, and Nuts	1475	Veterinary Medicine	3560	Apiculture and Apis mellifera	5689
Analysis and Composition	1502	Miscellaneous	3561	Sericulture and the Silkworm	5778
Consumption and Utilization	1532	Rabbits	3605	FOOD AND HUMAN NUTRITION	5798-5837
Distribution, Marketing, and Transportation	1536	Breeds and Breeding	3631	General	5798
Grading, Inspection, Standardization, and Quality	1564	Veterinary Medicine	3706	Food Habits	5826
Packing and Packaging	1577	Miscellaneous	3723	Nutritive and Vitamin Content	5829
Prices, Price Control, and Rationing	1579	Swine	3723	FORESTRY	5838-6523
Processing and Storage	1582	Breeds and Breeding	3765	General	5838
Statistics	1640	Feeds and Feeding	3839	Education	5869
Grain and Grain Products	1650	Veterinary Medicine	3935		
Honey and Beeswax	1720	Miscellaneous	3961-4364		
Livestock and Livestock Products	1722	ENGINEERING	3961-4364		
Analysis and Composition	1722	General and Miscellaneous	3961		
		Farm Machines and Equipment	3978		
		Animal Husbandry Equipment	4071		
		Cultivation and Tillage Equipment	4088		
		Fertilizing and Planting Equipment	4112		

	<u>Item</u>		<u>Item</u>		<u>Item</u>
Forest Resources	5877	Agronomy (Field Crops)	7671	Soil Chemistry and Mineralogy	9199
Forest Influences	5891	Cereals	7687	Soil Biology	9299
Forest Injuries and Protection		Fiber Crops	7785	Soil-Plant-Animal Relationships	9366
Fire	5901	Forage Crops and Grasses	7818	Soil Genesis, Formation, Classi-	
Forest Management	5924	Oil Crops	7921	fication, and Mapping	9368
Forest Description and	5936	Sugar Crops	7965	Soil Management	9427
Mensuration	5997	Tobacco	7979	Soil Fertility	9438
Policies and Programs	6023	Horticultural Crops	7989	Soil Tilth and Tillage	9615
Legislation and Taxation	6027	Fruit-General		Drainage, Irrigation, Water	
Forest Products and Utilization		Citrus and Subtropical Fruits	8003	Supply, and Flood Control	9637
Lumbering and Logging	6033	Deciduous Fruits	8015	Erosion and Erosion Control	
Sawmills	6050	Small Fruits	8044	Sanitation	9779
Processing and Woodworking	6100	Nuts	8087	Materials for Soil Improvement	9822
Seasoning, Conditioning, and	6110	Shade Trees and Ornamental		Chemical Fertilizers	9824
Finishing	6118	Plants	8092	Mineral Soil Amendments	
Wood Preservation and		Vegetable and Truck Crops	8235	Fertilizer Technology and	
Damage	6132	(Including Potatoes)		Statistics	9827
Lumber and Rough Products		Miscellaneous Economic Plants	8318	Manures and Composts	9844
Construction	6155	Plant Pathology and Protection	8372		
Veneers, Plywood and Adhesives	6176	Field Crops	8402	MISCELLANEOUS	9852-10140
	6200	Horticultural Crops	8412	General	9852
Furniture		Forest Trees	8430	Biography	9921
Containers	6229	Bacterial Diseases	8432	History	10078
Pulp and Paper	6230	Field Crops	8445	Home Management	10086
Chemical Products and		Horticultural Crops	8448	International Relations	10100
Distillates	6292	Forest Trees		Meteorology	10102
Naval Stores	6299	Fungus Diseases	8457	Personnel	
Other Forest Products	6314	Field Crops	8479	Research	10118
Silviculture	6347	Horticultural Crops	8540	Statistics	10140
Regeneration and Breeding	6409	Forest Trees	8613		
Wood Technology	6455	Nematodes	8626	NEW PERIODICALS AND	
		Field Crops	8644	SERIALS	p. 301
PLANT SCIENCE	6524-9136	Horticultural Crops	8651		
General	6524	Virus Diseases	8659	TRANSLATIONS	p. 302
Morphology, Anatomy, and		Field Crops	8665	U. S. D. A. PUBLICATIONS	p. 313
Cytology	6565	Horticultural Crops	8692	STATE AGRICULTURAL	
Ecology	6720	Forest Trees		EXPERIMENT STATION	
Genetics	6760	Physiological Diseases	8719	PUBLICATIONS	p. 318
Physiology and Biochemistry	6856	Injuries	8726		
Field Crops	7143	Systematic and Geographic		STATE AGRICULTURAL	
Cereals	7153	Botany	8743	EXTENSION SERVICE	p. 326
Fiber Crops	7293	Spermatophytes	8777	PUBLICATIONS	
Forage Crops and Grasses		Pteridophytes	8947	FAO PUBLICATIONS	p. 332
Oil Crops	7311	Bryophytes	8952	PERSONAL INDEX	p. 333
Sugar Crops	7351	Fungi (Including Lichens)	8955		
Tobacco	7391	Weeds and Poisonous Plants	9000		
Horticultural Crops	7407	Biology	9019		
Fruit Crops	7407	Weed Control	9026		
Nuts	7454	Chemical Weed Control	9037		
Shade Trees and Ornamental		Cultural, Biological Weed			
Plants	7456	Control	9128		
Vegetable and Truck Crops					
	7495	SOILS AND FERTILIZERS			
Miscellaneous Economic Plants			9137-9851		
Forest Trees	7606	Soil Science	9137	ORGANIZATIONAL INDEX	p. 357
	7627	Soil Physics	9141		

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 1 ABRAMS, E. Thailand; a case study in aid co-ordination. OECD (Organ. Econ. Co-op. Devel-op.) Observ. 23:6-9. Aug. 1966. 280.8 Oe2
- 2 BANCO CENTRAL DE NICARAGUA. Informe anual [Annual report], 1965. Managua, 1966. 248 p. 284.29 B2236
Includes report of the economic situation in agriculture.
- 3 BANCO DE GUATEMALA. Memoria anual y estudio economico [Annual report and economic study], 1964. Guatemala, 1965. 224 p. 284.9 B22962
Includes data on the world and national economic situation in agriculture.
- 4 BANK OF ISRAEL. Annual report, 1965. Jerusalem, 1966. 488 p. 284.9 B2252
Includes the economic condition in agriculture.
- 5 BARCELONA. CAMARA OFICIAL DE COMERCIO Y NAVEGACION. Memoria de los trabajos realizados durante el ano 1965 [Report of activities during the year 1965]. Barcelona, 1966. 641 p. 287 B23M
Includes report of the agricultural economy and trade.
- 6 CHAMBERS, S. P. Agriculture's place in an industrial Britain. Oxford Farming Conf. Rep. Proc., 19th Conf. 28-43. 1965. 5 Oxx2
Includes discussion.
- 7 COCHRAN, T. C., and BREWER, T. B., ed. Views of American economic growth. New York, McGraw-Hill, 1966. 2 v. HC103.C6
Bibliography, v. 1, p.351-355; v. 2, p.391-396. Vol. 1, The Agricultural Era; v. 2, The Industrial Era.
- 8 CODA-NUNZIANTE, G. More on agriculture and economic development. (It) Riv. Polit. Agr. (n.s.)13(2):27-36. June 1966. 281.8 R523
- 9 COLE, J. P. Latin America: an economic and social geography. London, Butterworth, 1965. 468 p., map. Ref. HC125.C6
Data on agriculture and trade included.
- 10 CONSEJO NACIONAL DE ECONOMIA. Plan nacional de desarrollo economico y social de Honduras, 1965-69 [National plan of economic and social development of Honduras, 1965-69]. Tegucigalpa, 1965. 4 v. HC127.H6C6
Volume III is on the agricultural development program.
- 11 DILLON, J. L. Economic considerations in the design and analysis of agricultural experiments. Rev. Marketing Agr. Econ. 34(2):64-75. June 1966. 286.8 N47M
- 12 DRAGNE, F., and BALDESCU, E. Economic, social and political conditions before the creation of Communist party. (Rum) Probl. Econ. [Bucharest] 19(4):19-36. Ref. Apr. 1966. 280.8 P947
English summary, p.179.
- 13 FLORIDA. AGRICULTURAL EXPERIMENT STATION. Department of Florida, Gainesville, Florida; fifteen years of publications, July 1, 1950-June 30, 1965. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-12, 103 p. June 1966. 281.9 F663
- 14 GEORGIEV, A. Some changes in the economic system of the USSR. (Se) Stopanski Pregl. 16(2):56-77. Mar./Apr. 1966. HB9.S8
- 15 GISLASON, C. Stagnation or growth—a rejoinder. Can. J. Agr. Econ. 14(1):79-86. 1966. 281.8 C16
- 16 GOLDBERG, R. A. Agribusiness for developing countries. Harvard Bus. Rev. 44(5):81-93. Sept./Oct. 1966. 280.8 H262
- 17 HAMBECK, V. Nutzbarmachung der Ergebnisse von Buchfuhrungsstatistiken für die Gewinn- betriebswirtschaftlicher Erkenntnisse mit Hilfe der Korrelationsrechnung [Use of results of accounting statistics to obtain economic facts with the aid of correlation reckoning]. Hohenheim. Landwirt. Hochsch. Diss. 9,113 p., map. 1964. 105.8 H686D
Bibliography, p.106-112.
- 18 HARSANY, P. Planning or policy? I. Econ. Planning [Montreal] 2(2):6-7. Apr./May 1966. HD1785.A1
Economic planning in agriculture.
- 19 INSTITUT NARODOV AZII. Sotsial'no-ekonomicheskie posledstviya agrarnykh reform i sotsial'naya struktura derevni v razvivayushchikhsya stranakh Azii i Afriki [Social and economic consequences of the land reform and the social structure of village in the underdeveloped countries of Asia and Africa]. Moskva, Nauka, 1966. 259 p. HN663.5 I5
- 20 ISRAEL. Government year book, 5726 (1965-66). Tel Aviv, Cent. Office Inform., 1966. 432 p. 277.185 Is7
Includes the economic situation in agriculture.
- 21 JAMAICA. CENTRAL PLANNING UNIT. Economic survey, Jamaica, 1965. Kingston, 1966. 112 p., map. 280.9 J22
Includes a section on agriculture.
- 22 JAQUEMET, A. The place of agriculture in the national economy and agricultural policies. (Fr) Ann. Agr. 5:35,37-39,41. 1965/66. 17 An73
In Switzerland.
- 23 KANELLAKOPOULOS, H. Problems facing the development of agricultural industries. (Gre) Delt. Agrotikes Trapezes 156:9-15. May/June 1966. 217 D38
- 24 KETTUNEN, L. Views on the use of statistical methods in agricultural economics. (Fi) Suomen Maataloustieteellinen Seura, Maataloustieteellinen Aikak. 38(2):123-129. 1966. 20 Su7M
English summary.
- 25 KRIER, H. Conditions and methods of industrial development in an agricultural district such as Brittany. (Ge) Weltwirtsch. Arch. 93(2):314-326. 1964. 286.8 W462
- 26 LEUTHOLD, R. M., and BAWDEN, D. L. An annotated bibliography of spatial studies. Wis. Agr. Exp. Sta. Res. Rep. 25,30 p. Aug. 1966. 100 W75R
- 27 LEWIS, A. B. Some factors promoting or inhibiting agricultural development. Indus. Free China 26(1):2-9. July 1966. 297.8 T99
- 28 LUXEMBOURG. SERV. CENTRAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. L'economie Luxembourgeoise en 1965 [The Luxembourg economy in 1965]. Luxemb. Serv. Cent. Statistique Etudes Econ. Cah. Econ. 37,215 p. June 1966. 280.9 L97
Includes agriculture and agricultural statistics.
- 29 MANGOLD, P. Wirtschaftliche Auswirkungen von Massnahmen zur Verbesserung der Agrarstruktur in der Gemeinde Bornich [Economic effects of measures for improvement of agricultural structure in the municipality of Bornich]. Hohenheim. Landwirt. Hochsch. Diss. 10, 121 p. Ref., p.114-116. 1964. 105.8 H686D
Includes consolidation of holdings, outsettlement, land use, farm organization, and income.
- 30 MCMURTRY, G., and LIVERMORE, D. U. General economy; situation and outlook. Va. Polytech. Inst. Ext. Va. Farm Econ. 198:14-15. July/Aug. 1966. 275.29 V813
- 31 MOROZOV, V. A. Trudoden', den'gi i torgovlya na selo [Working time, money and trade in villages]. Moskva, Ekonomika, 1965. 318 p. HD4966.A29U43
- 32 NORTHERN NIGERIA. Provincial annual reports, 1963. Kaduna, 1965. 246 p., map. 280.9 N568
Economic data and statistics included for agriculture.
- 33 PARALUTA, M. Economic laws and socialism. (Rum) Probl. Econ. [Bucharest] 19(4):82-94. Apr. 1966. 280.8 P947
English summary, p.183.
- 34 PARKER, M. L., and YEOW, A. G. Economic growth in Western Australia. Australian J. Agr. Econ. 10(1):39-51. June 1966. 281.8 Au74
- 35 PENTECOST, B. H. The total management framework for agri-business firms. Tenn. Univ. Ext. Publ. 545,7 p. July 1966. 275.29 T25

- 36 PERPINA, R. The exterior economy of Spanish America. (Sp) *Rev. Estud. Agro-Soc.* 14 (52):99-124. July/Sept. 1965. 281.8 R327
English summary.
Includes markets and trade.
- 37 PRIETO, O. G. The environment and the agricultural economy of Marchena. Present conditions and guidance for their improvement. (Sp) *Arch. Zootec.* 14(55):203-282; (56):311-411. Ref. p.390-394. July/Sept.-Oct./Dec. 1965. 49 Ar22
English summary.
- 38 PURNELL, G. R. Extension economics—the next ten years. *Can. J. Agr. Econ.* 14(1):15-28. 1966. 281.8 C16
- 39 ROBINSON, A. J. Can economic growth be based on agriculture? *Indian Econ. J.* 13(4):541-554. Jan./Mar. 1966. 280.8 In292
- 40 RUBIO GARCIA, L. Analysis of underdevelopment. (Sp) *Rev. Estud. Agro-Soc.* 15(55):79-110. Apr./June 1966. 281.8 R327
English summary.
- 41 SKINNER, S. W. Senegal's agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS-*Foreign*-166, 11 p., map. Aug. 1966. A281.9 Ag63
- 42 STOCKHOLM. JORDBRUKETS UTREDNINGSGENSKAP. Activities of the [Agricultural Economics Research] Institute during 1965. *Katrineholm*, 1966. 43 p. 11 S163R
- 43 STUDIES in comparison of levels of economic development of the Socialist countries. 83 p. Ref. (JPRS 37,073; TT 66-33502)
Transl. 16176
Includes agriculture.
Translation from *Sopostavlenie Urovnei Ekonomicheskogo Razvitiya Sotsialisticheskikh Stran* 1965:127-202, 204-226.
CFSTI: \$3.00.
- 44 TEGELER, H. H. Cyprus' agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS-*Foreign*-159, 9 p., map. July 1966. A281.8 Ag83
- 45 UNITED NATIONS. ECONOMIC COMMISSION FOR LATIN AMERICA. Economic survey of Latin America, 1964. New York, 1966. 381 p. 280.9 Un3325
Data on the agricultural economy and trade included.
- 46 U. S. DEPT. OF AGRICULTURE. AGRICULTURAL ECONOMICS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the 13th meeting, Washington, 1965. Washington, 1965. 11 p. A281.9 R312
- 47 U. S. PRESIDENT (L. B. JOHNSON). The Alliance for Progress: a new kind of revolution. U. S. Dep. State Bull. 55(1419):330-334. Sept. 5, 1966. 150 B87
- 48 VENEGAS, E. C., and HSIEH, S. C. Farm mechanization, agricultural labor force and agricultural development. *Indus. Free China* 26(1):21-40. (Cont.) Ref. July 1966. 297.8 T99
- 49 VICAS, A. G. Comments on the second annual review of the Economic Council of Canada. II. Canadian agriculture. *Econ. Planning* (Montreal) 2(2):3-4. Apr./May 1966. HD1785.A1
- 50 ZORRILLA DORRONSORO, A. The growth of insufficiently developed countries; the case of Spain in the fifties. (Sp) *Rev. Estud. Agro-Soc.* 14(52):273-290. July/Sept. 1965. 281.8 R327
English summary.
- AGRICULTURAL FINANCE
- 51 ALLAKHVERDYAN, D. A., ed. Soviet financial system. 352 p. HG186.U4A43
Contains a chapter on collective farm financial system.
Translation of *Finansy SSSR*.
- 52 BLACK, C. J. Capital deployment on farms in theory and practice. II. *Farm Econ.* [Oxford] 11(1):10-23. 1966. 281.8 F223
- 53 BOTTOMLEY, A. A monetary strategy for underdeveloped rural areas. *J. Agr. Econ.* [Reading] 17(2):139-149. Sept. 1966. 281.9 Ag8
- 54 CIMPERSEK-CERNE, V. Investments in the fruit culture. (Sl) *Soc. Kmetijstvo Godzdarstvo* 16(15):356-357. Oct. 28, 1965. 21.5 So14
- 55 DRAGOVIC, V., and MARKICEVIC, S. Implementation of the investments plan for the establishment of fruit orchards and vineyards during 1960/1964 period. (Se) *Poljoprivredni Pregl.* 14(9/10):383-393. Sept./Oct. 1965. 21.5 P753
Includes acreage.
- 56 DUNAIEV, YU. N., and PICHAIEVSKII, A. S. Using net income on collective farms. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 8:27. Aug. 1966. 30.69 Uc4
As capital investments.
- 57 GEER, D. J. DE. The financing of the common agricultural policy of the European Economic Community. (Du) *Econ.-Statist. Ber.* 51(2557):884-888. Aug. 31, 1966. 280.8 Ec722
- 58 GILCHRIST, V. Projecting capital accumulation for the agricultural firm-household. *Can. J. Agr. Econ.* 14(1):50-60. 1966. 281.8 C16
- 59 HOCHERL, H. Calculate before investing. (Ge) *DLZ-Landtech. Z.* 17(8):526. Aug. 1966. 58.8 T677
In farming.
- 60 JIANU, E. The evolution of investments and fixed assets of state farms. (Rum) *Rev. Statist.* 15(7):17-23. July 1966. 267.8 St22
- 61 KENNEDY, R. E. Investment dynamics of the commercial broiler industry. *Feedstuffs* 38 (39):32-34. Oct. 1, 1966. 286.81 F322
- 62 KOHNE, M. Theorie der Investition in der Landwirtschaft [Theory of investment in agriculture]. Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. Sonderheft (n.s.) 182, 105 p. Ref. 1966. 18 G31A
English summary.
- 63 KZYLIKHOZHAEV, S. A. Capital funds of animal husbandry and their utilization in collective farms of Central Asia. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 25:139-146. 1965. 281.9 M852
- 64 LEONOV, N. B. Effective use of basic capital (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 7:32-34. July 1966. 30.69 Uc4
- 65 MUKHLISULIN, SH. Increasing the effective utilization of capital assets of state farms. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 25:127-138. 1965. 281.9 M852
- 66 MULIC, J. On the indices of the economic effectiveness of agricultural investments. (Se) *Poljoprivredni Pregl.* 14(9/10):369-381. Ref. Sept./Oct. 1965. 21.5 P753
- 67 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. All India rural household survey, Volume III. New Delhi, 1966. 147 p. 284 N213
Income, investments, and savings.
- 68 REID, P. A. Investing in agriculture. *Int. Monetary Fund, Financ. Develop.* 3(3):202-211. Sept. 1966. 284.9 In84Fu
Capital in developing areas.
- 69 SMITH, R. S., and STANTON, B. F. Farm financially sound? *Hoards' Dairyman* 111(18):1116-1117. Sept. 25, 1966. 44.8 H65
- 70 STOIAN, D. Aspects of investment activities in agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 470:25-41. Aug. 26, 1966. (JPRS 37,252; TT 66-33681) 173 J663Ste
Rumania.
Translation from *Probleme Economice* 6:67-79. June 1966.
Issued by CFSTI.
- 71 VISHNYAKOV, S. A., and KUDRIASHOV, R. Sostavlenie i ispolnenie sel'skogo byudzheta; prakticheskoe posobie dlya rabotnikov sel'skikh sovetov i finansovykh organov [Compiling and using farm budget; a practical handbook for farm financial advisers]. Moskva, Finansy, 1966. 126 p. HJ9511.V5

- 72 ZELDNER, A. G. Increased effectiveness of capital assets as important factor in growth of capital accumulation in collective farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:120-126. 1965. 281.9 M852

Credit

- 73 AXTON, T. P. Financing coming adjustments in animal agriculture. Nat. Inst. Anim. Agr. Proc., 15th Conf.:19-23. 1965. 49.9 N219
- 74 BAETZ, D. Who should provide credit for the expansion-minded farmer? Feedstuffs 38(39): 56-59. Oct.1,1966. 286.8 F322
- 75 BANCO DE FOMENTO AGROPECUARIO DEL PERU. Memoria, 34° ejercicio [Report, 34th season], 1964-65. n.p., 1965. 59 p. 284.29 B2254
- 76 BANCO DE LA REPUBLICA. XL y XLI informe anual del Gerente a la Junta Directiva, 1o. de enero de 1963-31 de diciembre de 1964, Segunda parte [XL and XLI annual report of the Manager to the Directive Board, January 1, 1963-December 1964, Second part], Bogota, 1965. 251 p. 284.9 C7131
Includes data on agricultural credit and trade.
- 77 BANCO HIPOTECARIO DE EL SALVADOR. Memoria, XXXI ejercicio, 1965-1966 [Report, XXXI season, 1965-1966]. San Salvador, 1966. 50 p. 284.29 B2272
Includes report of agricultural credit.
- 78 BERKELEY BANK FOR COOPERATIVES. Annual report, June 30, 1966. Berkeley, 1966. 7 p. 284.29 B45
- 79 CONSORZIO NAZIONALE PER IL CREDITO AGRARIO DI MIGLIORAMENTO. Relazioni bilancio dell'esercizio 1965 [Report and balance of the 1965 season]. Roma, 1966. 47 p., map. 284.29 C764B
- 80 DRIEHUIS, W. Importance and development of savings bank savings in the Netherlands. II. (Du) Econ.-Statist. Ber. 51(2561):1002-1005. Ref. Sept.28,1966. 280.8 Ec722
Includes structure of the agricultural credit banks.
- 81 EDWARDS, G. W. Indebtedness in the dried vine fruits industry. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(2):97-107, map. Apr.1966. 281.9 Au73
Australia.
- 82 JANTTI, R. Loan operations pursuant to the Land Use Act and law on basic credit for agriculture. Asutustom. Aikakauskirja 19(2):5-10. 1966. 282.29 F49J
In Finland.
- 83 JONES, L. A. Rural home financing through the Voluntary Home Mortgage Credit Program. U. S. D. A. Econ. Res. Serv. ERS-270,22 p. July 1966. A281.9 Ag83E
- 84 KASBEKAR, P. D. Fertiliser credit to farmers and to distribution system. Fert. News 11(7): 7-11. July 1966. 57.8 F4123
India.
- 85 KLIBANIOTES, K. Four years of service of farm credit by the farm cooperatives of the district of Giannitsa. (Gre) Delt. Agrotikes Trapezes 150:39-40. May/June 1966. 21.7 D38
- 86 LOW, A. R. Capital for farm development. Massey Univ. Manawatu. Sheepfarming Annu. 1965:131-135. 45.9 M38S
New Zealand.
- 87 LYUBICH, N. P. New credit policies for collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:24-25. Aug.1966. 30.69 Uc4
- 88 MALINSCHI, V. The role of credit in socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 470:7-24. Aug.26,1966. (JPRS 37,252; TT 66-33681) 173 J663Ste
Rumania.
Translation from Probleme Economice 6:3-17. June 1966.
Issued by CFSTI.

- 89 MISSISSIPPI STATE UNIVERSITY OF APPLIED ARTS AND SCIENCES. AGRICULTURAL EXTENSION SERV. A little inside dope on consumer's credit guide. Miss. State Univ. Ext. Publ. 552,2 p. Apr.1966. 275.29 M68Ext
- 90 MOORE, D. S., and KENNEDY, R. Effect of size of farm on long term debt repayment capacity for dryland farms on medium-textured (mixed) soils of the Texas High Plains. Tex. Agr. Exp. Sta. MP-797,16 p.,map. Feb.1966. 100 T31M
- 91 NUNEZ DEL POZO, J. A. Supervised credit. II. (Sp) Panagra 5(66):26-27. Apr.1966. 8 P196
Mexico.
- 92 ORTIZ MENA, A. Agricultural development, basis of Mexican progress. (Sp) Panagra 5 (66):11-13. Apr.1966. 8 P196
Credit policy.
- 93 RURAL AND INDUSTRIES BANK OF WESTERN AUSTRALIA. 20th annual report and financial statement for the twelve months ended 31st March, 1966. Perth, 1966. 26 p.,map. 284.29 R88
- 94 SRNSKY, B., and PELA, M. Credit and interest in the improved system of agriculture. (Cz) Ekon. Zemedelstvi 5(7):183-185. July 1966. 281.8 Ek7
- 95 TAI-WAN TU TI YIN HANG. YEN CHIU CH'U. Essential features of loans for specific purposes extended by Land Bank of Taiwan. 'Tai-Pei, 1965. 88 p. HG2051.C6T3
- 96 TOBEY, J. S. Financing agriculture-today and tomorrow. Feedstuffs 38(39):14. Oct.1, 1966. 286.81 F322
- 97 TOOTELL, R. B. Financing the agricultural business. Nat. Ass. Anim. Breeders. Proc., 18th Annu. Conv.:61-67. 1965. 43.9 N212
- 98 TUNKS, F. E. Bankers see many opportunities for participation in development of animal agriculture. Feedstuffs 38(39):9,70. Oct.1,1966. 286.81 F322
- 99 WICHITA BANK FOR COOPERATIVES. Annual report, June 30, 1966. Wichita, 1966. 20 p. 284.29 W63

Income

- 100 AMADEI, G. Deeds and misdeeds of income parity. (It) Riv. Polit. Agr. (n.s.)13(2):13-18. June 1966. 281.8 R523
- 101 CANADA. BUR. OF STATISTICS. Annual supplement to the Canadian Statistical Review, 1965: an historical record of selected series adjusted and not adjusted for seasonality. Ottawa, 1966. various paging. 253 St27C
Text also in French.
Includes farm cash receipts and food price indexes.
- 102 GRINDEA, D. Growth, repartition and utilization of the national income in socialism. (Rum) Probl. Econ. [Bucharest] 19(5):124-133. May 1966. 280.8 P947
- 103 JAMAICA. DEPT. OF STATISTICS. National income and product, 1964. Kingston, 1966. 91 p. 254.8 J223N
Data included for agriculture.
- 104 KHAN, T. M., and BERGAN, A. Measurement of structural change in the Pakistan economy: a review of the national income estimates 1949/50 to 1963/64. Pakistan Develop. Rev. 6(2):163-208. Summer 1966. 280.8 P17
Includes the agricultural sector.
- 105 KULSHRESHTHA, S. N. An approach to develop comparisons of farm and non-farm incomes in Canada. Can. J. Agr. Econ. 14(1):61-76. Ref. 1966. 281.8 C16
- 106 RAVAR, I. Complex character of the economy and growth of the national income. (Rum) Probl. Econ. [Bucharest] 19(4):137-152. Apr. 1966. 280.8 P947
English summary, p.187.
- 107 RITCHIE, W. Buy machinery to cut income taxes. Doane's Agr. Rep. 29(26):26-27. Sept.8 1966. 281.8 D652
Depreciation and investment credit.

- 108 SOKOLOV, P. Some aspects of the formation of income of enterprises. (Se) Stopanski Pregl. 16(2):45-55. Mar./Apr. 1966. HB9.S8
- 109 UDESHI, J. J. Our national income during plan period. *Planting Com.* 14(2):17-21. June 23, 1966. 22 P697 India.
- 110 ZANELLI, G. Income in Emilia-Romagna in 1964. (It) *Mercanzia* 21(6):421-429. June 1966. 287 B635 Agricultural.
- Insurance
- 111 BARRERA, S. DE LA. Impulse to agriculture with insurance. (Sp) *Panagra* 5(66):20. Apr. 1966. 8 P196 Mutuals in Mexico.
- 112 DORN, H. The effect of the German Insurance Office [Deutsche Versicherungsanstalt] on livestock rearing. (Ge) *Tierzucht* 20(6): 405-406. Aug. 1966. 49 T443
- 113 HOLSTOW, W. L. Here's protection for livestock sellers. *Kans. Stockman* 51(12): 70-71. Oct. 1966. 49 K134 Insurance.
- 114 MARKMAN, M. Insurance program: a management tool. *Feedstuffs* 38(39):27,30. Oct. 1, 1966. 286.81 F322 In the poultry industry.
- 115 MCCARTHY, D. The ABC's of livestock insurance. *Tex. Livestock J.* 25(7):20-21, 24. July 15, 1966. 49 T29 Against loss.
- 116 MINDEL, J. B. "Hachaklait" - its structure and functions. *Refuah Vet.* 22(2):112-114. June 1965. 41.8 R25 Text also in Hebrew. Mutual Society for Livestock Insurance and Veterinary Services (Israel).
- 117 PAGE, J. G. Considerations on animal health insurance. (Fr) *Saint-Hyacinthe. Ecole Med. Vet. Inform. Vet.* 8(4):60-62. July/Aug. 1966. 41.9 S82 In Canada.
- 118 WAGNER, M. I. Is your insurance up to date? *Vet. Econ.* 7(3, i.e. 4):36-37, 40. Apr. 1966. 41.8 V6458
- 119 YEH, M. H., and WU, R. Y. Premium rate-making in an all risk crop insurance program. *Can. J. Agr. Econ.* 14(1):40-49. Ref. 1966. 281.8 C16
- Taxation
- 120 COOLIDGE, J. H. Tax management decisions are important throughout the year. *Kans. Stockman* 51(11):47. Sept. 1966. 49 K134
- 121 DAVIES, A. J., and THOMAS, H. A. Taxation and capital; introduction to a series. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(8):382. (Cont.) Aug. 1966. 10 G793
- 122 FRASER, J. D. Taxation incentives. *Massey Univ. Manawatu. Sheepfarming Annu.* 1965: 145-151. 45.9 M388 New Zealand.
- 123 HARPES, R. Art und Entwicklung der Besteuerung der Landwirtschaft im Grossherzogtum Luxemburg (1839-1963) unter Berücksichtigung der berufsständischen Kritik [Kind and development of taxation of agriculture in the Grand Duchy of Luxembourg (1839-1963) with special attention to professional criticism]. *Bonn. Univ. Landwirt. Fak. Inaug.-Diss.* 11, 183 p. 1964. 105.8 B644 Bibliography, p.183-192.
- 124 HOLLAND, and HART. Supreme Court approves year of sale depreciation in certain circumstances. *Kans. Stockman* 51(12):72. Oct. 1966. 49 K134 Livestock taxation.
- 125 KOCI, J. Taxation and subsidies in the improved system of economy. (Cz) *Ekon. Zemedelstvi* 5(7):177-181. July 1966. 281.8 Ek7
- 126 RADEK, S., KLECKA, M., and DUSEK, J. Production regions and their effect on agricultural taxation. (Cz) *Ekon. Zemedelstvi* 5(7):182-183. July 1966. 281.8 Ek7
- AGRICULTURAL LABOR AND WAGES
- 127 ARLES, J. P. Manpower mobilisation and economic growth: an assessment of Moroccan and Tunisian experience. *Int. Labour Rev.* 94 (1):1-21. July 1966. 283.8 In8 Includes program to alleviate unemployment and underemployment in agriculture.
- 128 AUER, L. Labour productivity in agriculture - a conceptual analysis. *Can. J. Agr. Econ.* 14 (1):29-39. 1966. 281.8 C16
- 129 BARBER, W. Some questions about labour force analysis in agrarian economies with particular reference to Kenya. *East Afr. Econ. Rev.* (n.s.) 2(1):23-37. 1966. 280.8 Ea74
- 130 BOLESCH, E., and TEICH, I. Methods of the calculation of stability of labor. (Rum) *Rev. Statist.* 15(5):63-69. May 1966. 287.8 St22 Statistical method.
- 131 BOWLES, G. K. The hired farm working force of 1965, a statistical report. U. S. D. A. Agr. Econ. Rep. 98, 29 p. Sept. 1966. A281.9 Ag8A
- 132 CANDURA, G. Energy requirements in tomato production. (It) *Agr. Italia* 12(6):57-61. June 1966. 16 Ag8232
- 133 CHEPELYUK, V. N. Wages and the net cost of production. (Rus) *Uchet Finansy Kolhoz. Sovkhoz.* 7:19-20. July 1966. 30.69 Uc4 Calculation.
- 134 CUTLIP, H. V. Camp aids youth with that decision of decisions - career selection. *Ext. Serv. Rev.* 37(8):18-19. Aug. 1966. 1 Ex892Ex Extension program for 4-H Clubs in West Virginia.
- 135 DAVALLOU-GHADJAR, M. R. Die Anpassung des Arbeitsvoranschlags an die landwirtschaftlichen Verhältnisse des Iran [Adaptation of labor estimates to the agricultural conditions of Iran]. *Hohenheim. Landwirt. Hochsch. Diss.* 3, 110 p. Ref., p.99-102. Feb. 1964. 105.8 H686D
- 136 DAVIDEANU, N. Utilization of time of the labor force in collective farm of the Iasi region. (Rum) *Rev. Statist.* 15(6):80-86. June 1966. 287.8 St22 Statistical methods of research.
- 137 DINI, D. Evolution and problems of the woman. (It) *Ital. Agr.* 103(9):776-792. Sept. 1966. 16 It1 Labor.
- 138 FEKETE, GY. Problems of labor force situation in agriculture and of enlisting youth for work. (Hu) *Magyar Mezogazdasag* 21(28):22-23. July 13, 1966. 19 M27
- 139 FIFE, L. S. Mechanization and labor adjustments. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.: 24-31. 1965. 49.9 N219
- 140 FRICK DAVIE, C. Aspects of world development seen from the Permanent Commission of the L.L.O. (Sp) *Assoc. Rural Urug. [Rev.]* 94 (2):197, 199-201, 204, 207, 209, 211, 213, 215, 217, 219, 221. 1966. 9.9 As5 Rural employment included.
- 141 GIESE, and SPALEK, P. Timely and low-loss grain harvesting in Mothlow, Damme, Liepe, and Buschow cooperation. (Ge) *Feldwirtschaft* 7(7):344-345. July 1966. 18 W763 Labor and mechanization.
- 142 HARKEMA, D. J. Can we make use of child labor on our farm? (Du) *Loonbedrijf Land-Tuinbouw* 19(7):617, 619, 621, 623. July 1966. 283.8 L87
- 143 HEUNKS, F. J., and POST, J. H. De concurrentiepositie van het landarbeidersberoep [The competitive position of the farm worker]. *Landbouw-Econ. Inst. Stud.* 40, 61 p. Apr. 1966. 281.9 L235 Review of the literature.

- 144 HOUSKA, V. Economic consequences of the mechanization of agriculture. (Cz) Ekon. Zemelstvi 4(12):362-363. Dec.1965. 281.8 Ek7 Effect on labor.
- 145 HRUBY, J., and SESTAK, M. Cooperation between industry and agriculture regarding labor forces. (Cz) Ekon. Zemelstvi 4(12):360-361. Dec.1965. 281.8 Ek7
Based on seasonal character of agricultural labor.
- 146 JANDIK, S. Remuneration of leading labor in the Trencin district. (Cz) Ekon. Zemelstvi 5(2):29. Feb.1966. 281.8 Ek7
- 147 KERR, H. W. T. Analysing the use of labour and machinery. Nottingham, Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:32-42. Spring 1966. 281.9 N842
Includes production costs.
- 148 KHABAROV, G. N. Labor payment problems of technician-inseminators. (Rus) Zhivotnovodstvo 6:72-74. June 1966. 49 Z6
- 149 KRISHNAMURTY, J. The 1961 census and its implications in terms of labour force growth, employment and income—a comment. Indian J. Agr. Econ. 21(2):106-107. Apr./June 1966. 281.8 In2
- 150 KUVLESKY, W. P., and BEALER, R. C. A clarification of the concept "occupational choice." Rural Society, 31(3):265-276. Sept. 1966. 281.28 R88
For youth.
- 151 LANDSBERG, E. D., and SHLEPANOV, V. M. Material incentive and the net cost of production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:30-31. July 1966. 30.69 Uc4
- 152 LARSEN, P. H. Production trends in agriculture. VI. Work planning. (Da) Tolvmands-bladet 38(6):338-342. June 1966. 11 T58
- 153 LELY, J. V. D. De financie positie van loonbedrijven, gevestigd in Noord-Groningen en Noord-Friesland [The financial position of contract firms, determined in North Groningen and North Friesland]. Landbouw-Econ. Inst. Verslagen 163,31 p. July 1966. 281.9 L23V
- 154 LELY, J. V. D. Financial position of contract firms leaves something to be desired. (Du) Loonbedrijf Land- Tuinbouw 19(7):591. July 1966. 283.8 L87
- 155 LOOPE, K. E. Worksheet for calculating annual cash wages, value of perquisites, and earnings per hour for farm labor. Va. Polytech. Inst. Ext. Leaflet 213,2 p. June 1966. 275.29 V81L
- 156 MAGASIC, M. Labor productivity and problems of the optimal size of dairy farms. (Se) Stocarsstvo 20(3/4):80-84. Mar./Apr.1966. 43.8 S6
- 157 MCCORMICK, R. D. New agricultural labor woes develop faster than solutions. Canner/Packer 135(10):126-127. Sept.25,1966. 286.83 C16
- 158 MCCLAUGHLIN, A. L. Own or custom harvest? Miss. State Univ. Ext. Publ. 558,6 p.-folder. Mar.1966. 275.29 M68Ext
- 159 MERTINS, S. The complex management and organization of the 1966 grain harvest. (Ge) Feldwirtschaft 7(7):341. July 1966. 18 W763
Labor and mechanization.
- 160 MICHEL, A. Needs and aspirations of married women workers in France. Int. Labour Rev. 94(1):39-53. July 1966. 283.8 In8
- 161 MKHAILOV, M. Material incentives as basic condition of success in tobacco production. (Bu) Bulg. Tyutyun 6:18-23. 1965. 69.8 B872
- 162 MKHAILOV, S. Evaluation and conclusions regarding present organization of labor remuneration in tobacco industry. (Bu) Bulgarski Tyutyun 2:21-27. 1965. 69.8 B872
- 163 NOVOZHILOV, N. P. Analysis of the labor productive capacity on the flax farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:35-36. July 1966. 30.69 Uc4
- 164 ORTIZ RAMIREZ, G., CARRASCO VILLAMIZAR, A., and PELAEZ DE LA ROCHE, E. Study on occupation of agricultural technical personnel in Colombia and projection for 1970. (Sp) Agr. Trop. 22(7):352-365. July 1966. 26 Ag8
- 165 PETROV, R., and BOIKINOV, A. Bonus wages in tobacco production. (Bu) Bulg. Tyutyun 11:3-9. 1965. 69.8 B872
- 166 PETROV, T. Mechanization and changes in work management in tobacco production. (Bu) Bulg. Tyutyun 5:14-19. 1965. 69.8 B872
- 167 PONIKELSKY, S. Labor requirements and their importance in the remuneration on collective farms. (Cz) Ekon. Zemelstvi 4(12):355-357. Dec.1965. 281.8 Ek7
- 168 POSPICAL, J., and SAZIMA, V. Relation between the level of remuneration and gross income of collective farms. (Cz) Ekon. Zemelstvi 5(4):81-83. Apr.1966. 281.8 Ek7
- 169 POSTMA, G. Arbeid en planning; de productiefactor arbeid in het licht van de economische planning in de landbouw. Labour and planning; the production factor labour in the light of the economic planning in agriculture. Wageningen. Inst. Landbouwtch. Ration. Publ. 99,92 p. Ref. June 1966. 58.9 W12
English summary.
- 170 POTTER, T. How can fruit and vegetable producers solve their labor problems? Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.:39-43. 1966. A280.39 C76
- 171 PRETROV, R. Some problems of additional remuneration of labor in tobacco industry. (Bu) Bulgarski Tyutyun 2:11-20. Ref. 1965. 69.8 B872
- 172 PRIMACK, M. L. Farm capital formation as a use of farm labor in the United States, 1850-1910. J. Econ. Hist. 26(3):348-362. Ref. Sept.1966. 277.8 J822
- 173 RASCHIDI, C. Über physiologische und mechanische Messungen an Handhacken [Physiological and mechanical measurements in hand hoeing]. Hohenheim. Landwirt. Hochsch. Diss. 4, various paging. Ref. p.67-68. 1965. 105.8 H686D
- 174 REVAY, A. Positive and negative sides of two-shift operations in the production of livestock. (Cz) Ekon. Zemelstvi 4(12):358-359. Dec. 1965. 281.8 Ek7
- 175 REZTSOV, I. F. Calculation and work management in harvesting of grain. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:5-6. Aug.1966. 30.69 Uc4
- 176 SAZANSKII, YA. I. Setting up work standards in dairy husbandry. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:157-165. 1965. 281.9 M852
- 177 SILVA DE BONILLA, R. M., and GUZMAN DE DURAN, A. Occupational plans and aspirations of Puerto Rican and American high school seniors compared. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 197,42 p. Ref. Dec.1965. 100 P63
- 178 SIMEK, B. Remuneration of leading labor affects results of farming. (Cz) Ekon. Zemelstvi 5(2):27-28. Feb.1966. 281.8 Ek7
- 179 STEVENS, D. M. Farm custom rates paid in Wyoming in 1965. Wyo. Agr. Exp. Sta. Bull. 438,11 p. Jan.1966. 100 W99
- 180 SZANIEL, I. Labor situation in the production cooperatives of the county Baranya. (Hu) Gazdakodas 10(4):41-48, map. Aug.1966. 281.8 G25
- 181 SZUCS, K. The role of professional labor education in the modern agriculture. (Hu) Magyar Mezogazdasag 21(29):5. July 20,1966. 19 M27
- 182 TAYLOR, P. V. Higher wages fail to attract critical labor to Florida. Canner/Packer 135(10):120-122. Sept.25,1966. 286.83 C16
- 183 TOVISSI, L., and BARON, T. Determination of the rise of production by the growth of labor productivity. (Rum) Rev. Statist. 15(5):7-16. May 1966. 267.8 S122
Statistical method of research.
- 184 UCHIDA, A., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VIII. On the labour constitution of rice production in direct-sowing culture at the Mizuma Machinery Test Farm. 5 p. Transl. 16180
Translation from Kyushu Agricultural Research 27:38. July 1965.

- 185 U. S. NATIONAL COMMISSION ON FOOD MARKETING. Labor cost of slaughtering hogs. Washington, 1966. 19 p. (Supplement No. 4 to Technical Study No. 1, Organization and Competition in the Livestock and Meat Industry). HD9001.A3
- 186 VULKOV, KH. New methods of labor remuneration in tobacco industry. (Bu) Bulgarski Tyutyun 4:21-25. 1965. 69.8 B872
- 187 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Earning money while going to school. Wash. State Univ. Ext. E. M. 2670, 5 p. July 1966. 275.29 W27M1
- 188 WOODS, N. S. Farm manpower. Massey Univ. Manawatu. Sheepfarming Annu. 1965:137-142. 45.9 M38S
Outlook in New Zealand.
- 189 ZHALINA, E. A. Proizvoditel'nost' truda v zhivotnovodstve [Labor productivity in the livestock husbandry]. Moskva, Kolos, 1966. 72 p. SF55.U4Z45
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 190 ANAN'EV, P. G. Sel'skoe khozyaistvo sovremennoi Indonezii [Contemporary agriculture of Indonesia]. Moskva, Nauka, 1965. 199 p. Ref. HD2082.A5
Includes policies and economic conditions.
- 191 ANDERSEN, H. V. Farm legislation for 1965/66. (Da) Landbonyt 20(8):262-264. Aug. 1966. 11 L2322
- 192 ANGOLA. SECRETARIA PROVINCIAL DE FOMENTO RURAL. Síntese da actividade dos organismos e serviços, anos de 1963 e 1964 [Summary of activity of agencies and services, 1963 and 1964]. Luanda, 1965. 196 p., map. S15.A5
Reports on policy in various fields of agriculture.
- 193 ANKARA, UNIVERSITE. ZIRAAT FAKULTE. Yearbook 1964, 5th year. Ankara, 1965. 176 p., map. Ref. 25 An42
Some papers in German and French.
- 194 ANTONIETTI, A. Old and new in Soviet agriculture. (It) Riv. Polit. Agr. (n.s.) 13(2):39-44. June 1966. 281.8 R523
- 195 AUSTRALIA. DEPT. OF TERRITORIES. Annual report of the Territory of Papua for the period 1st July 1964 to 30th June 1965. Canberra, 1965. 254 p., map. 23 N45
Contains chapters on agriculture and forestry.
- 196 BANKS, Q. D., COPPERSMITH, R. L., and WILKOWSKIE, R. H. Agricultural outlook report. Kans. Stockman 51(12):12, 14, 16-17. Oct. 1966. 49 K134
United States.
- 197 BARTON, G. T. Our food abundance. U. S. D. A. Yearbook Agr. 1966:16-24. 1 Ag84Y
Agricultural productivity.
- 198 BEKRIC, V. The possibilities for the development of agriculture in hilly and mountainous areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 47:2-7. 20. Sept. 2, 1966. (JPRS 37,419; TT 66-33847) 173 J663St
Yugoslavia.
Translation from Glasnik za Poljoprivredu i Zadrugarstvo 15(7):15-24. 1966.
Issued by CFSTI.
- 199 BEKRIC, V. Possibilities for the development of agriculture in mountain areas. (Se) Glasnik 15(7):15-24. 1966. 280.28 Z13
- 200 BENNETT, G. A. Highlights of the agriculture and trade of Venezuela. Foreign Agr. Incl. Foreign Crops Markets 4(37):12. Sept. 12, 1966. A281.9 F76Fo
- 201 BHAGWAT, K. R. Crop pattern in North Kanara. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p. 9-13. 1965. S471.14K3
- 202 BRADOUT DE VIGNACOURT, R. J. What is the situation with Chinese agriculture? (Fr) Economie 22(1020):16-19. Sept. 16, 1966. 280.8 Ec726
- 203 BRITISH COLUMBIA. BUR. OF ECONOMICS AND STATISTICS. British Columbia; manual of resources and development. Ed. 2. Victoria, 1965. 33 p., map. HC117.B8A5
Contains sections on agriculture and forestry.
- 204 BUTZ, E. You'll have to learn to live with big government. Big Farmer 38(4):42-43. Harvest 1966. 58.8 B46
- 205 CAMPBELL, D. I. Australian agriculture survives drought. Foreign Trade 126(7):18-19. Oct. 1, 1966. 286.8 C162
Production and outlook.
- 206 CEYLON. COMMISSIONER OF AGRARIAN SERV. Administration report for 1964-65. Colombo, 1966. 77 p. 22 C336
Text also in Sinhalese.
- 207 CHIANG, Y. C. New upsurge in agriculture under way. China Reconstructs 14(4):6-10. 1965. 280.8 C447
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:41. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
- 208 COLE, R. H. The Food and Agriculture Act of 1965. Nebr. Univ. Ext. CC 198, 6 p. 1966. 275.29 N272Cc
- 209 DENMARK. LANDBRUGSRAADET. 45de beretning [45th report of the Agricultural Council], 1964. Kobenhavn, 1966. 82 p. 11 D415B
- 210 DJOKANOVIC, T. Trends in the world development of agricultural production and food. (Se) Ekon. Poljoprivrede 13(6):441-451. June 1966. 281.8 Ek72
- 211 EMMS, J. O. Farming cameo: series 3. 42. Wolverhampton, South Staffordshire. Great Brit. Min. Agr. Fish. Food, Agr. 73(7):342-343. July 1966. 10 G79J
- 212 FIELD, G. R. Farming cameo: series 3. 43. Woodbridge, East Suffolk. Great Brit. Min. Agr. Fish. Food, Agr. 73(8):395-396. Aug. 1966. 10 G79J
- 213 FISCHER, L. A. Farmer's role in agricultural planning. Econ. Planning [Montreal] 2(2):8-10. Apr./May 1966. HD1785.A1
Includes communication tools for farmer and planner cooperation.
- 214 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AUSTRALIAN NATIONAL F.A.O. COMMITTEE. Report to the Food and Agriculture Organisation of the United Nations, 1960 to 1964. Canberra, 1965. 79 p., map. 389.9 F7353Au
- 215 FREEMAN, O. L. The next ten years in FCIM [Farm, Construction, and Industrial Machinery]. Soc. Auto. Eng. SAE J. 74(9):36-39. Sept. 1966. 291.9 Sot
Agricultural outlook and policy.
- 216 FREEMAN, O. L. Today's agricultural picture. Nat. Ass. Anim. Breeders. Proc., 18th Annu. Conv. 22-28. 1965. 43.9 N212
- 217 GAD, H. Agricultural trends in U.S.A. (Da) Tolvmandsblad 36(3):131-144. Mar. 1966. 11 T58
- 218 GAD, H. Growth of agricultural production in North America and Western Europe. (Da) Tidsskr. Landokon. 7:319-338. Aug./Sept. 1966. 11 T43
- 219 GARCIA FUENTES, M. Impressions of the agricultural situation in the United States. (Sp) Bolsa Com. Rosario. Rev. 54(1310):5-7. Aug. 31, 1966. 287 R71
- 220 GIOSAN, N. Development and modernization of socialist agriculture. (Rum) Probl. Econ. [Bucharest] 19(4):163-177. Apr. 1966. 280.8 P947
English summary, p.190.
- 221 GISLASON, C. Agriculture in Uruguay, 1965. (Sp) Asoc. Rural Urug. [Rev.] 94(2):279-300. 1966. 9.9 As5
- 222 GREAT PLAINS AGRICULTURAL COUNCIL. Proceedings, Bozeman, Montana, July 28-29, 1966. n.p., 1966. 127 p., map. 282.9 G7992
- 223 HAKANSSON, H. Don't bother about the percentage, make agriculture profitable! Featuring Swed. 49(2):31. 1966. 280.8 F313
Agricultural policy.

- 224 HARTOG, F. H. Fact or fiction in the agricultural program of the European Economic Community? (Du) Econ.-Statist. Ber. 51(2560): 965-968. Sept.21,1966. 280.8 Ec722
- 225 HEWITT, W. A. 4% of earth's land area to supply most of world's food and fiber needs. Soc. Auto. Eng. SAE J. 74(9):51-54, map. Sept. 1966. 291.9 Scl
Agricultural productive capacity.
- 226 HO, C. F. Food problem of the Peiping regime. Issues Stud. 2(12):25-35. Sept.1966. 280.8 Is74
Agricultural productivity.
- 227 HOCHERL, H. "A shadow of itself"? Strength and weakness of the Federal Ministry of Agriculture [Bundeslandwirtschaftsministerium]. (Ge) Übersicht 17(6):439-442. June 11,1966. 18 Ub3
Reply to an article by L. H. Kernberger; includes rejoinder by the author.
Policy.
- 228 HOKKAIDO, K. Hokkaido no nogyo [Agriculture in Hokkaido], 1965. Sapporo, Hokkaido Nichibei Nosen Kyoryoku-Kai, 1965. 38 p.
HD2095.H6A3
- 229 HONT, J. Some experiences of Yugoslavian study tour. (Hu) Magyar Mezőgazdaság 21(30): 22-23. July 27,1966. 19 M27
Agricultural.
- 230 IYER, S. B., and NAIR, G. R. An index to compare the performance in Community Development blocks. Indian J. Agr. Econ. 21(2):100-106. Apr./June 1966. 281.8 In2
- 231 JOHNSON, S. E. Evaluation of U.S. agricultural assistance to developing countries. Great Plains Agr. Council. Proc. 1966:51-60. 282.9 G7992
Direct food aid, technical assistance, and loans and grants.
- 232 JORNADAS AGRONOMICAS, 15, VALDIVIA, 1964. [President's address, program, and conclusions of the Agricultural Sessions]. (Sp) Simiente 35(1/3):7-23. 1965. 9.2 S14
- 233 KENNEDY, R. M. Highlights of the agriculture and trade of Chile. Foreign Agr. Incl. Foreign Crops Markets 4(39):16. Sept.26,1966. A281.9 F76Fo
- 234 KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOYUZA. TSENTRAL'NYI KOMITET. PLENUM, MAY, 1966. Materialy maiskogo, 1966 goda, plenuma TSK KPSS [Papers of the May plenum, 1966, of the Central Committee of the Communist Party of the Soviet Union]. Moskva, Izdatel'stvo Politicheskikh Literatury, 1966. 63 p. HD1993.K6
Agricultural policies.
- 235 KOSEV, S. Some aspects of policies of the economic growth of the FR Macedonia up to 1970. (Se) Stopsanski Pregl. 16(2):1-27. Mar./Apr. 1966. HB9.S8
- 236 MACLEAN, H. A. The problems of the remoter provinces. Farming Zambia 1(4):9-10. July 1966. SF19.F3
- 237 MARTIN, B. R. Generating jobs and income in Western Australia. Farm Policy 6(1):3-7. June 1966. 281.8 F2242
Includes jobs and income generated by farming and policy implications.
- 238 MARUYAMA, Y., and FULLER, E. I. An inter-regional quadratic programming model for varying degrees of competition. Mass. Agr. Exp. Sta. Bull. 555, 43 p. Ref. Nov.1965. 100 M38H
- 239 MAURITIUS. Report on Mauritius, 1964. Port Louis, 1965. 174 p., map. 290.9 M442
Bibliography, p.161-171.
Includes agriculture and forestry.
- 240 MEDICI, G. Italian and Tuscan agriculture in the Common Market. (It) Riv. Polit. Agr. (n.s.)13(2):37-38. June 1966. 281.8 R523
- 241 MEHREN, G. L. The shape of things to come: the farming future of the Western world. Oxford Farming Conf. Rep. Proc., 19th Conf.:18-28. 1965. 5 Ox22
- 242 MIAO, H. C., WEN, C. E., and TING, Y. C. A preliminary study of the compilation of agricultural maps of Hsien (Counties) (using Chungshan Hsien, Kwangtung Province, as an example. (Ch) Acta Geographica Sinica 30(4): 344-358. 1964. 331.8 T45
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:26-27. Apr.11,1966. (JPRS 34,995; TT 66-31433) 241.6 Un3
- 243 MIELONEN, M. Die Vaara-Siedlung in Nordkarelien und ihre Beziehung zur Landwirtschaft [The Vaara-settlement in North Karelia and its connection with agriculture]. Fennia 93(2), 171 p., map. Ref. 1965. 511 H367
- 244 MONTANER ESTEVE, J. Agricultural situation. (Sp) Cult. Mod. 49(7):264-265. July 1966. 15 C99
- 245 MONTANER ESTEVE, J. Elaboration of the II Development Plan. (Sp) Cult. Mod. 49(6):218-219. June 1966. 15 C89
- 246 MOURIER, E. The agricultural situation and the work of the National Federation of Large Farmers' Union [Centralforeningen af Tolvmandsforeninger og Storre Landbrugere i Danmark]. (Da) Tolvmandsbladet 38(7):359-366. July 1966. 11 T58
- 247 MOURIER, E. Agriculture in 1965. (Da) Tolvmandsbladet 37(12):581-597. Dec.1965. 11 T58
- 248 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Survey of hilly and backward areas of Punjab, by R. S. Sharma. New Delhi, 1966. 199 p. HC437.PN3
Includes agriculture and forestry.
- 249 NESHEV, S. Agricultural production planning at a higher scientific level. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Food Indus. 475.8 p. Sept.15,1966. (JPRS 37,634; TT 66-34062) 173 J663Ste
Bulgaria.
Translation from Kooperativno Zemedelie 7: 4-6. July 1966.
CFSTI: \$1.00.
- 250 NIELSEN, A. B. Impressions from Canada. (Da) Tolvmandsbladet 38(6):320-324. June 1966. 11 T58
Chiefly agriculture.
- 251 NIELSEN, G. F. Trends in European agriculture. (Da) Tolvmandsbladet 38(9):470-472. Sept.1966. 11 T58
- 252 OXFORD FARMING CONFERENCE, 19, OXFORD, 1965. Report and proceedings. Oxford, England, 1965. 177 p. 5 Ox22
- 253 PAPP, L. The role of the councils under the new system of agricultural planning in Hungary. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest, Food Indus. 479.6-19. Oct.3,1966. (JPRS 37,946; TT 66-34373) 173 J663Ste
Translation from Allam Es Igazgatás 5:385-395. May 1966.
Issued by CFSTI.
- 254 PATUELLI, V. Misunderstandings and myths of Italian agricultural policy. (It) Riv. Polit. Agr. (n.s.)13(2):7-11. June 1966. 281.8 R523
- 255 PAZ DE ERICKSON, A. M. Latin American agricultural bibliography. (Sp) Bol. Bibliogr. Agr. 3(1):21-23. Jan./Mar.1966. 241 B637
Discussion of quarterly publication of the Inter-American Association of Agricultural Librarians and Documentalists.
- 256 PERKINS, B. B. Lok's productivity indices: a rejoinder. Can. J. Agr. Econ. 14(1):77-78. 1966. 281.8 C16
- 257 PETERSEN-DALUM, T. Polish agriculture. (Da) Tolvmandsbladet 37(11):553-560. Nov. 1965. 11 T58
- 258 POPESCU, B. Modern agriculture of high productivity. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest, Food Indus. 474.27-33. Sept.14,1966. (JPRS 37,615; TT 66-34043) 173 J663Ste
Policy for Rumania.
Translation from Viata Economica 33:5. Aug.19,1966.
Issued by CFSTI.

- 259 RAO, N. R. Agriculture in North Kanara: some issues. In Rao, N. R. ed. Land utilization & agriculture in North Kanara District, p.1-vii. 1965. S471.14K3
- 260 REDMAYNE, G. B. The Common Market and British agriculture. Westminster Bank Rev., Aug.1966:49-55. 286.8 W52
- 261 REISCHE, D. L., ed. U.S. agricultural policy. New York, Wilson, 1966. 211 p. (The Reference Shelf, v. 38, No. 3) HD1765.R4 Bibliography, p.201-211.
- 262 RESTIVO, F. Policy of development and southern agriculture. (It) Agricoltura 15(5): 17-22. May 1966. 16 Ag8226
- 263 ROY, T. C. A new horizon for food production. Fert. News 11(8):9-11. Aug. 1966. 57.8 F4123
- 264 RUFF, S. O. Highlights of the agriculture and trade of Peru. Foreign Agr. Incl. Foreign Crops Markets 4(38):16. Sept. 19, 1966. A281.9 F76Fo
- 265 RUUD, G. Who, what, how much in agriculture? Featuring Swed. 49(2):33-35, map. 1966. 280.8 F313
Productivity and policy.
- 266 SCHINKE, E. Agriculture. (Ge) Osteuropa 16(7/8):500-507. July/Aug. 1966. 110 Os7
- 267 SCHNITTKER, J. A. Today's farm policy geared to revolution in production. Cotton Gin Oil Mill Press 67(21):7-8. Oct. 8, 1966. 304.8 C822
- 268 SCHUSTER, E. Important steps in the 20-year agricultural policy of the SED. (Ge) Feldwirtschaft 7(4):171-172. Apr. 1966. 18 W763
- 269 SCHWACKHOFFER, W. Die landwirtschaftlichen Kleinproduktionsgebiete Österreichs [The small agricultural production districts of Austria]. Forderungsdienst 14(spec.no.3), 149 p. Ref. June 1966. 19 F75
- 270 SHARAPOV, G. V. Kritika antikommunizma po agrarnomu voprosu [Critique of the anticommunist propaganda concerning agricultural problems]. Moskva, Mysl', 1966. 387 p. Ref. HD715.553
- 271 SHUMAN, C. B. How can farmers strengthen their position? Nat. Inst. Anim. Agr. Proc., 15th Conf. 43-52. 1965. 49.9 N219
Includes policies and politics.
- 272 ST. CLAIR, D. Rio Grande do Sul—land of the gaucho. Brazil. Bus. 46(5):10-16. May 1966. 286.8 B732
Includes agriculture.
- 273 SUSANNA, L. Considerations and prospects of agriculture in the Bracciano area. (It) Roma Econ. 19(4):182-193. Apr. 1966. 280.8 R66
- 274 TEFERTILLER, K. R. Dynamics of agriculture. Citrus Eng. Conf. Trans. 12:7-13. Mar. 23, 1966. 389.9 C49
- 275 THIMM, H. U. Changes of function in agriculture. (Ge) Agrarwirtschaft 15(8):259-265. Aug. 1966. 281.8 Ag826
English summary.
- 276 TIX, P. E., and SUNDQUIST, W. B. Use of a producer panel to estimate changes in agricultural production in Minnesota's dairy belt. Minn. Agr. Exp. Sta. Tech. Bull. 251, 18 p. Ref. Sept. 1966. 100 M66
U. S. Department of Agriculture, cooperating.
- 277 TURNER, G. W. Agricultural progress along the Elk [River Valley]. Tenn. Univ. Ext. SP 153, 8 p., folder, map. June 1966. 275.29 T25Sp
Tennessee Valley Authority, cooperating.
- 278 TURNER, G. W. Ten years of progress in Beech River agriculture. Tenn. Univ. Ext. SP 157, 16 p., map. May 1966. 275.29 T25Sp
Tennessee Valley Authority, cooperating.
- 279 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. NORTH CAROLINA. FRANKLIN COUNTY. [Annual report], 1965. Louisburg, 1965. 33 p. A281.9 St14
- 280 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WASHINGTON. Annual report, 1960-1964. n.p., 1965. 191 p., map. A281.9 St192
- 281 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program, Arkansas, handbook for 1965. n.p., 1964. 69 p. A281.9 St194
- 282 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program, Oregon, handbook, 1965. Portland, 1964. 38 p. A281.9 St13A
- 283 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Programs: maps, 1964. Washington, 1966. 51 p. 1.956 F45Ag8
- 284 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Federal programs for individual and community advancement. U. S. D. A. Agr. Handbook 312, 53 p. 1966. 1 Ag84Ah
- 285 U. S. FARMERS HOME ADMIN. Mid-Hudson Rural Development. Syracuse, N. Y., 1966. 26 p., map. aHD1755.N4A5
Rural Areas Development Program.
- 286 VARJO, U. The Finnish farm seen from the viewpoint of geographical typology of agriculture. Fennia 92(1), 18 p., map. Ref. 1965. 511 H367
- 287 WALLACE, D. B. The changing pattern of British agriculture. Oxford Farming Conf. Rep. Proc., 19th Conf. 43-56. 1965. 5 Ox22
Includes discussion.
- 288 WARD, J. T. An economic analysis of large-scale land development for agriculture and forestry. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 27, 157 p., map. 1966. 281.9 L632
Includes costs.
- 289 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is Buchanaland. Wash. State Univ. Ext. E. M. 2663, 2 p., map. Aug. 1966. 275.29 W27M1
Includes agriculture.
- 290 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is Venezuela. Wash. State Univ. Ext. E. M. 2591, rev., 2 p., map. Aug. 1966. 275.29 W27M1
Includes agriculture.
- 291 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is West Germany. Wash. State Univ. Ext. E. M. 2208, rev., 2 p., map. Aug. 1966. 275.29 W27M1
Includes agriculture.
- 292 WATKINS, G. H. Philippines provincial centres have diverse import needs. Australia. Dep. Trade Indus. Overseas Trading 18(14): 329-331. July 22, 1966. 286.9 Au7
Includes discussion of the agricultural resources.
- 293 WILCOX, W. W. Present trends in American agriculture and agricultural policy. (Ge) Agrarwirtschaft 15(8):272-277. Aug. 1966. 281.8 Ag826
English summary.
- 294 ZOTTOLA, G. Madagascar's operation bootstrap. Freedom Hunger 7(44):5-13. Sept./Oct. 1966. 389.8 F872
Agricultural outlook.

Subsides

- 295 RAUTAVAARA, H. The subsidies of the agriculture in Finland and elsewhere. (Fi) Puutarha 69(6):335-336. 1966. 80 P99
English summary, contents and summaries.

COST AND STANDARD OF LIVING

- 296 GOLDSTEIN, S. Urban and rural differentials in consumer patterns of the aged, 1960-1961. Rural Sociol. 31(3):333-345. Sept. 1966. 281.28 R88

FARM MANAGEMENT AND LAND ECONOMICS

- 297 ANGHEL, G. N., and BURLACU, D. Organizational-economic strengthening of agricultural production cooperatives in the Slobozia district. (Rum) Probl. Econ. [Bucharest] 19(8):147-152. Aug. 1966. 280.8 P947
- 298 ARTEMENKO, N. A. Indices of utilization of machine-tractor fleet in collective and state farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:119-131. 1965. 281.9 M852
- 299 ARNANZ DELGADO, R. A. Cooperation in Israel with special study of the kibbutz. (Sp) Rev. Estud. Agro-Soc. 15(5):182-192. Apr./June 1966. 281.8 R327
English summary.
- 300 BABINGTON, R. J. Features of a Danish farm in 1961 and 1965. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35: 24-29. Spring 1966. 281.9 N842
Management.
- 301 BAILEY, W. R. Adapting farming to the Great Plains. Great Plains Agr. Coun. Proc. 1966: 79-85. 282.9 G7992
- 302 BAKER, F. H. Efficient swine producers are planners. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course: 153-154. 1965. 49.9 W27
- 303 BELL, J. M. Swine management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 594-613. 1966. SF61.C6
- 304 BERNIER, C. Management of our dairy farms. (Fr) L'Éleveur 20(2):16-17. Jan./Feb. 1966. 49 D56
In Canada.
- 305 BERWICK, A. J. Management adjustments in agribusinesses. Nat. Inst. Anim. Agr. Proc., 15th Conf.: 32-36. 1965. 49.9 N219
- 306 BEVINS, M. I., and EDDY, D. K. ELFAC [Electronic Farm Accounts] farm business analysis. Vt. Agr. Exp. Sta. Misc. Publ. 41, 15 p. May 1965. 100 V59M
Dairy farms.
- 307 BIGGAR, J. C., and SAUER, H. M. Evaluation of the farm and home development program in Deuel County, 1958 to 1964. S. Dak. Agr. Exp. Sta. Bull. 535, 39 p. Aug. 1966. 100 S682
Published jointly with South Dakota Cooperative Extension Service.
Extension program on farm management.
- 308 BIRTH, A. K. What did that decision cost you? Everybodys Poultry Mag. 71(1):16. Jan. 1966. 47.8 F213P
Maximization of returns.
- 309 BRISTOL UNIVERSITY. Farm management handbook, 1966. Bristol, England, 1966. 73 p. 281.9 B773F
Exeter University, cooperating.
- 310 BULGARU, M., and GUTESCU, L. Determination of the net production in collective farms. (Rum) Rev. Statist. 15(6):3-11. June 1966. 267.8 St22
Input-output analysis.
- 311 BULGARU, S., and PINZARU, C. The economic effectiveness of the concentration of production based on the specialized farming of state farms. (Rum) Probl. Agr. [Bucharest] 17(5):100-103. May 1966. 21 R862
- 312 BULOCHNIKOVA, L. A., and GORODETSKIY, E. S. Tekhnicheski progress i rentabel'nost' kolhoznoho proizvodstva [Technical progress and the profit of collective farm]. Moskva, Ekonomika, 1966. 79 p. S562.U4B82
- 314 BURIAN, J. Intensity, effectiveness and productivity as main goals of the specialization. (Cz) Ekon. Zemedelstvi 5(3):53-55. Mar. 1966. 281.8 Ek7
Farming.
- 315 CARNIO, E. Responsibility in raising [live-stock]. (It) Inform. Zootec. 13(9):379-380. May 15, 1966. 49 In3
Management.
- 316 CARTER, E. S. Sheep enterprises—profitability reviewed. Beef Sheep Farming 2(4):5-6. July/Aug. 1965. 43.8 B392
Farm management; includes costs and returns in Great Britain.
- 317 CHAMBERS, D. The business approach to greater profits with purebred cattle. Cattleman 53(5):98, 100-102. Oct. 1966. 49 C29
Includes costs.
- 318 CITU, D. Improving the internal management of the agricultural production cooperatives. (Rum) Probl. Econ. [Bucharest] 19(8):65-77. Aug. 1966. 280.8 P947
English summary, p. 172.
- 319 COBHAM, R. O., CROZIER, J. F., and LOCKIE, G. D. Coxes at Fernhurst: a profitable past—a promising future? 2. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):361-367. Aug. 1966. 10 G79J
Apple orchard management.
- 320 DAVIS, V. W., and UPCHURCH, M. L. Changes in agriculture will sweep aside most concepts of the past. Feed Bag 42(9):38-40. Sept. 1966. 389.78 F32
Farm management.
- 321 DISCUSSION: production and management. Nat. Inst. Anim. Agr. Proc., 15th Conf.: 37-42. 1965. 49.9 N219
Moderator: O. B. Ross; members: Kraus, Axton, Morris, Redd, Nesheim, Crothers, and Schuster.
- 322 DOMAR, E. D. The Soviet collective farm as a producer cooperative. Amer. Econ. Rev. 56 (4, pt. 1): 734-757. Ref. Sept. 1966. 280.8 Am32
- 323 DUMONT, R. Chinese agricultural communes. II. (Gre) Trapeziki Ikonometich. Epitheorisis 63:213-216. July 1965. 284.8 T68
- 324 ESSRICH, W. Betriebsorganisation und Arbeitsaufwand in Familien-, Gesinde- und Lohnarbeitsbetrieben Sudwurttemberg-Hohenzollern [Farm organization and labor requirements on family farms, farms with hired hands, and contract labor farms of South Wurttemberg-Hohenzollern]. Hohenheim. Landwirt. Hochsch. Diss. 6, 271 p. Ref., p. 264-267. 1964. 105.8 H686D
- 325 FORMANEK, B. Experiences with agricultural-industrial combines in Czechoslovakia. (Rus) Za Sotsialist. Sel'skokhoz. Nauk. 2: 67-86. 1966. 64.8 Z1
English summary.
Vertical and horizontal integration.
- 326 GALANES, N. D. Application and results of the farm management program in the area of Platy, Hematheia district. (Gre) Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekipaideuseos 2:35-42. Mar./Apr. 1966. 275.249 G81
- 327 GIVAN, W. D. Problems and adjustment opportunities on burley tobacco farms in Virginia. Va. Polytech. Inst. Ext. Va. Farm Econ. 196:4-8, map. July/Aug. 1966. 275.29 V813
- 328 GOMEZ MANZANARES, E. Determination of the optimum dimension of family farms in a typical Spanish dry farming region. 1. (Sp) Rev. Estud. Agro-Soc. 15(5):7-30. Apr./June 1966. 281.8 R327
English summary.
- 329 GOMEZ PALACIOS, J. M. Qualities of a rabbit raiser. (Sp) Agr. Trop. 22(7):386-387. July 1966. 26 Ag8
Chiefly farm types.
- 330 GOODWIN, J. W. Feeding business can boom Oklahoma economy. Okla. Cowman 6(8):6. Aug. 1966. 43.8 Ok42
- 331 GORDEEV, G. S. Bourgeois theories of optimal size of agricultural enterprises. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:168-182. Ref. 1965. 281.9 M852
- 332 GREEN, J. E. Case study farms. Dairyfarm-ing Dig. 13(3):3-10. May/June 1966. 44.8 D1443
For demonstration in the dairy industry; Australia.

- 333 HARRIS, L. E. Sheep management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.614-639, map. Ref. 1966. SF61.C6
- 334 HERNANDEZ ALBA, A. Notes on farm planning. (Sp) Cult. Mod. 49(6):230-231. June 1966. 15 C89
- 335 HERRERO ALCON, A. The C.E.T.A.: an interesting French experiment. (Sp) Agricultura [Madrid] 49:262-265, map. May 1966. 15 Ag84
- 336 HOLTON, A. L. Can you plan profits. Poultry Trib. 72(9):32, 64-65. Sept. 1966. 47.8 P8642
By use of proper records.
- 337 HUBACEK, J., and KRAUS, J. Specialization of farms in Great Britain. (Cz) Ekon. Zemedelstvi 5(2):41-43. Feb. 1966. 281.8 Ek7
- 338 HUBBARD, J. W., MALPHRUS, L. D., and LANHAM, W. J. Economics of production and marketing of livestock in South Carolina. S. C. Agr. Exp. Sta. Bull. 525, 62 p., map. June 1966. 100 S68
Optimum farm organizations for beef cattle and swine.
- 339 HUMPHREYS, J. Cotton as a tobacco farm crop. I. Can I grow cotton? Rhodesian Tobacco J. 18(8):27-28. Aug. 1966. 69.8 R34
- 340 INGLIS, J. A. H. Pathfinding in hill country sheep and wool production. Massey Univ. Manawatu. Sheepfarming Annu. 1965:7-21. 45.9 M385
Farm management, in New Zealand.
- 341 ISANKO, N. P. Economic characteristics of grain and grain-livestock types of farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:84-107. 1965. 281.9 M852
- 342 ISANKO, N. P. Specialization and production types of agricultural enterprises. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:3-14. 1965. 281.9 M852
- 343 JAUME, J. Cooperating Certified Ranches. (Sp) Cult. Mod. 49(6):233. June 1966. 15 C89
Designated by the Ministry of Agriculture.
- 344 JOHNSON, J. E., and BERG, K. Livestock lease arrangements. N. Dak. Agr. Exp. Sta. Bull. 465, 20 p. July 1966. 100 N813
Share farming.
- 345 KAHLON, A. S., and JOHL, S. S. Requisites of crop planning; an application of programming techniques. Indian J. Agron. 10(4):355-361. Dec. 1965. 22 In235
Linear programming in input-output analysis.
- 346 KALDOR, D. R., and JETTON, R. C. Characteristics of operator entry into Iowa farming, 1959-60. Iowa Agr. Home Econ. Exp. Sta. Res. Bull. 546:737-772. Aug. 1966. 100 Io9
Iowa State University of Science and Technology, Center for Agricultural and Economic Development, Department of Economics and Sociology, cooperating.
- 347 KAMBAROV, YU. I., and PESKAREV, A. G. Intra-regional specialization of agriculture. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26:27:147-156. 1965. 281.9 M852
- 348 KASSIER, W. E. A production function study of marginal returns and optimum intensity on East Griguland farms. S. Afr. J. Econ. 34(2): 158-164. June 1966. 280.8 S683
- 349 KENNERLY, A. B. Community action spurs economic development. Agr. Banking Financ. 8(5):28-30. Sept./Oct. 1966. 284.8 B22
Farm management assistance.
- 350 KITSOPANIDES, G. Types of farm enterprise and resource productivity in central Macedonia, Greece. Farm Econ. [Oxford] 11(1):1-9. 1966. 281.8 F223
- 351 KLYUIKOV, V. F. Some problems of the economy and organization of collective farms that specialize in livestock fattening. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26:27:15-28. 1965. 281.9 M852
Cattle and swine.
- 352 KNYAZEV, N. K., MIRONYCHEVA, A. T., and FOMINA, V. S. Limiting the seasonality of milk production in suburban zones. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:147-156. 1965. 281.9 M852
Management.
- 353 KNYAZEV, N. K. Production types of dairy state farms (type of dairy state farm in suburban zone). (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:15-34. 1965. 281.9 M852
Diversified farming.
- 354 KRIEGER, H. Economic estimations in forage catch crop production. (Ge) Feldwirtschaft 7 (6):289-292. June 1966. 18 W763
- 355 KURINOVA, Z. S. Possibilities of increasing sheep production state farms of Kalmyk ASSR. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26:27:100-111. 1965. 281.9 M852
- 356 KUS, M. On the specialized production of potatoes. (Sl) Soc. Kmetijstvo Gozdarstvo 16(15): 367-368. Oct. 28, 1965. 21.5 Sol4
- 357 KUTIL, J. Ways to the reduction of costs of farming. (Cz) Ekon. Zemedelstvi 5(2):37-39. Feb. 1966. 281.8 Ek7
- 358 LARSEN, P. H. Production policies in agriculture. I. Specialization and large-scale farming requires planning. (Da) Tolvmands-bladet 37(12):612-616. Dec. 1965. 11 T76
- 359 LE BIHAN, J., and COULOMB, P. Incidence du developpement de l'integration verticale et horizontale sur les structures de production agricole; contributions monographiques [Incidence of the development of vertical and horizontal integration on agricultural production structures; monographic contributions]. Europe. Econ. Community. Inform. Internees Agr. 11, various paging. Apr. 1966. 281.9 Eu7I
Includes papers by F. Catella, J. Coenen, G. Muller, M. J. van Amelsvoort, V. van Rompuy, and P. Ludwig
European Economic Community.
- 360 LIBICH, V. New methods of planning agricultural production applied to the specialized farming in hops. (Cz) Chmelarstvi 38(1):4-6. Jan. 20, 1966. 70.8 C33
- 361 LIENHARD, G. The year 1965 at the Ebenrain-Sissach School Farm. (Ge) Grune 94(35): 1245-1278. Sept. 2, 1966. 17 Sch9
- 362 LOGAN, S. H. Economics of scale in cattle feeding. Nat. Comm. Food Marketing, Tech. Stud. 1(sup.3), 26 p. June 1966. HD9001.A3
Literature review.
- 363 LUDDECKE, F., PAHLOW, F., and BECKER, F. Planning the culture of fresh forage on the Demonstration and Research Farm Hohen-Luchow. (Ge) Feldwirtschaft 7(6):302-304. June 1966. 18 W763
- 364 LUNING, H. A. Farm size, employment and agricultural planning. (Du) Surinamse Landbouw 14(1/2):36-44. Ref. 1966. 9.6 Su7
English summary.
- 365 MARAIS, C. L., and PRINSLOO, N. P. G. Poultry, the crop farmer's nest egg. Farming S. Afr. 42(4):24-26. July 1966. 24 S6842
Farm management.
- 366 MARINOV, P., and ANDREEV, N. Some problems relating to the intensification of production on the TKZ'SS (cooperative farms). U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 477:1-16. Sept. 20, 1966. (JPRS 37,731, TT 66-34159) 173 J663StE
Translation from Ekonomicheskia Misul 4:38-51. Apr. 1966.
- 367 MICHALSON, E. L., and NOTEBOOM, I. A. Resource requirements, costs, and expected returns for alternative crop and livestock enterprises, Palouse wheat-pea area. Wash. Agr. Exp. Sta. Bull. 671, 38 p. Sept. 1966. 100 W27E
U. S. Department of Agriculture, cooperating.

- 368 MICULESCU, A. Choice of product range and specialization—factors that increase output and cut production costs on the state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:25-29. Oct. 3, 1966. (JPRS 37,946; TT 66-34373)
173 J663Ste
Rumania.
Translation from Agricultura Socialista 4 (30):1-2. July 28, 1966.
Issued by CFSTI.
- 369 MICULESCU, A. The effects of production specialization in state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 468:21-24. Aug. 22, 1966. (JPRS 37,145; TT 66-33574) 173 J663Ste
Rumania.
Translation from Scinteia, July 4, 1966:1,3.
Issued by CFSTI.
- 370 MILETIC, M. Modern farming and smallness of farming plots. (Se) Glasnik 15(7):39-42. 1966. 280.28 Z13
- 371 MOIANU, D. Profits for all state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:30-33. Oct. 3, 1966. (JPRS 37,946; TT 66-34373)
173 J663Ste
Policy.
Translation from Romania Libera 6773:1,3. July 27, 1966.
Issued by CFSTI.
- 372 MUELLER, A. G. Variability of managerial success. Ill. Agr. Econ. 6(2):19-24. July 1966. 281.9 IL61
Farm management.
- 373 MUKHIN, G. F., and ZEL'DNER, A. G. Specialization and the profit. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:2-5. July 1966. 30.69 Uc4
In livestock feeding.
- 374 NAGY, I. Specialization of large-scale cattle raising. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 468:1-14. Aug. 22, 1966. (JPRS 37,145; TT 66-33574)
173 J663Ste
Hungary.
Translation from Statisztikai Szemle 4:339-349. Apr. 1966.
Issued by CFSTI.
- 375 NAIK, P. N. Co-operative farming in North Kanara. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District. p.56-59. 1965. S471.I4K3
- 376 NETHERLANDS. MINISTERIE VAN LANDBOUW. VISSERIJ EN VOEDSELVOORZIENING. STUDIEGROEP GEMENGDE ZANDBEDRIJVEN. De toekomstige ontwikkeling van het gemengde zandbedrijf; verslag [The future development of the mixed sandy farm; report]. Neth. Commissie Nieuwe Bedrijfsyst. Landbouw. Publ. 10, 128 p., map. Oct. 1965. 281.9 N387
- 377 NETHERLANDS. MINISTERIE VAN LANDBOUW. VISSERIJ EN VOEDSELVOORZIENING. STUDIEGROEP MELKVEEHOUDERIJ. Problematiek en perspectief van de melkveehouderij; verslag [Problematics and prospects of dairy cattle raising; report]. Neth. Commissie Nieuwe Bedrijfsyst. Landbouw. Publ. 9, 152 p. Sept. 1965. 281.9 N387
Includes farm management and milk costs and returns.
- 378 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Annual report, 1966. Wellington, 1966. 62 p. 282.9 N48A
- 379 NIELSEN, A. B. The technical revolution and its consequences in U.S.A. agriculture. (Da) Tidsskr. Landokon. 7:355-369. Aug./Sept. 1966. 11 T43
Effects on specialization and concentration.
- 380 NIELSEN, G. F. Collectivization in Eastern Europe. An agricultural system in development; planning and carrying out of large-scale farming in Hungary. (Da) Tolvmandsbladet 38(7):371-372; (9):497-501, map. July/Sept. 1966. 11 T58
- 381 OGURA, T. Recent agrarian problems in Japan. Developing Econ. 4(2):151-170. June 1966. 280.8 D493
Small-scale farming and agricultural policy.
- 382 OLIVELLA CANALS, S. Management of the family vineyard. (Sp) Cult. Mod. 49(7):256-259. July 1966. 15 C89
Includes costs and returns.
- 383 OPPEN, M. VON. Factors affecting differences in type and extent of contract farming. (Ge) Agrarwirtschaft 15(9):302-308. Sept. 1966. 281.8 Ag826
English summary.
- 384 PANSKIKH, K. G. Poultry husbandry of collective and state farms on industrial basis. (Rus) Zhivotnovodstvo 7:13-17. July 1966. 49 Z6
- 385 PARENT, N. One does not abandon a profitable and well managed farm. (Fr) Eleveur 19(6):10. Sept./Oct. 1965. 49 D56
In Canada.
- 386 PARKHOMENKO, F. A. Specialization—basic method for development of poultry industry. (Rus) Zhivotnovodstvo 7:9-13. July 1966. 49 Z6
- 387 PENTYUK, M. V., and KLYUKOV, v. F. Fundamental measures for increasing meat production and for reduction of meat costs. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:3-14. 1965. 281.9 M852
- 388 PESKAREV, A. G., and KNYAZEVA, E. K. Production type of collective farm combining growing of sugar beets and grain with advanced dairy-meat husbandry. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:65-76. 1965. 281.9 M852
- 389 PETUKHOV, B. F. Concentration and specialization of agricultural production. (Rus) Zhivotnovodstvo 7:3-8. July 1966. 49 Z6
Policies.
- 390 PRESTON, T. R. Intensive production of beef cattle. (U) Inform. Zootec. 13(6):243-246. Mar. 31, 1966. 49 In3
- 391 RAINTHORPE, J. J. The future outlook for arable farming in Britain. Oxford Farming Conf. Rep. Proc., 19th Conf.:57-66. 1965. 5 Ox2
Management and costs.
- 392 RICHMOND, W. L. A golden opportunity with swine. Miss. State Univ. Ext. Publ. 556, 6 p., folder. Mar. 1966. 275.29 M68Ext
Farm management.
- 393 ROLL-HANSEN, J. The State Experimental Farm Kvithamar. (No) Gartneryrket 56(33):770, 773. Aug. 12, 1966. 80 G1938
- 394 ROMANY, P. Socialist large farms in Poland. (Hu) Magyar Mezogazdasag 21(35):22-23. Aug. 31, 1966. 19 M27
State farms, chiefly.
- 395 ROSLER, O. The building out and further strengthening of the class of cooperative farmers of the DDR. (Ge) Feldwirtschaft 7(4):175-176. Apr. 1966. 18 W763
- 396 RUSU, I. Coordination of the branches of production of collective farms by linear programming. (Rum) Probl. Agr. [Bucharest] 17(5):80-87. May 1966. 21 R862
- 397 SARGENT, C. A. Managing the part-time farm. Purdue Univ. Ind. Agr. Ext. Mimeo EC-301, 20 p. Mar. 1966. 100 In2Ag
- 398 SAS, B. Simpler types of production cooperatives in the comitat of Csongrad. II. (Hu) Magyar Mezogazdasag 21(29):9. July 20, 1966. 19 M27
- 399 SCARBOROUGH, W. K. The overseer; plantation management in the Old South. Baton Rouge, Louisiana State University Press, 1966. 256 p. S561.S3
Bibliography, p.229-241.
- 400 SCHAPPER, H. P. Farm management accounting for planning ahead. Farm Policy 6(1):23-35. June 1966. 281.8 F2242
Australia.
- 401 SCHICKELE, R. Farm management research for planning agricultural development. Indian J. Agr. Econ. 21(2):1-15. Apr./June 1966. 281.8 In2

- 402 SCHNEEBERGER, K. C., and others. Resource requirements, costs and expected returns; beef cattle and improved pasture alternatives; east central and south central Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-544, 48 p., map. Aug. 1966. 100 Ok4M
- H. E. Workman, W. Halbrook, and O. L. Walker, joint authors.
U. S. Department of Agriculture, cooperating.
- 403 USCRIERU, C. Correlations of increased productivity in socialist agriculture. (Rum) Probl. Econ. [Bucharest] 19(5):17-29, May 1966. 280.8 P947
English summary, p.166.
Collective farming.
- 404 SETHI, J. D. Some analytical and quantitative aspects of agricultural supply and substitution functions: India. Indian J. Agr. Econ. 21(2):16-30, Apr./June 1966. 281.8 In2
Farmer response to prices.
- 405 SIERRA LEONE. SURVEYS AND LANDS DEPT. Report, 1964/65. Freetown, 1966. 16 p. 282.9 S11
- 406 SMITH, R. H. Recent developments in mixed cropping, Canterbury Chamber Com. Agr. Bull. 441, 6 p. July 1966. 23 C162
Sheep farms; includes rotations.
- 407 SOBOLEV, N. P. Pod'em ekonomiki otstayushchikh kolkhozov [Increasing the economy of collective farms in a backward state]. Moskva, Kolos, 1966. 183 p. HD1492.U486
- 408 SOUTH AUSTRALIA. DEPT. OF LANDS. Annual report, 1964-65. Adelaide, 1966. 74 p., map. 23 S682
- 409 SOUTHCOMBE, F. J. Farm management clubs. Farm Policy 6(1):13-17, June 1966. 281.8 F2242
Australia.
- 410 SPORKA, A. 20 years of Czechoslovak co-operatives. 103 p. HD3492.C95865
Farming cooperatives included.
Translation from the Czech.
- 411 STANESCU, I. Problems of the effective utilization of production means in collective farms. (Rum) Probl. Econ. [Bucharest] 19(5):65-76, May 1966. 280.8 P947
English summary, p.170.
- 412 SUPPINI, A. On the use of barn in share cropping system. (It) Inform. Zootec. 13(4):133-136, Feb. 28, 1966. 49 In3
- 413 TAPLIN, J. H. E. The influence of working capital on farm organization—how appropriate is a linear programming analysis? Australian J. Agr. Econ. 10(1):60-69, June 1966. 281.8 Au74
- 414 TAYLOR, D. C., and JENSEN, H. R. Profitable farm adjustments in southwestern Minnesota. Minn. Agr. Exp. Sta. Sta. Bull. 484, 36 p., map. Sept. 1966. 100 M66
- 415 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Tennessee's Unit-Test Demonstration Program: what it is, what it is doing. Tenn. Univ. Ext. SP 159, 6 p., folder. June 1966. 275.29 T25Sp
Tennessee Valley Authority, cooperating.
Demonstration farms.
- 416 TOIDZE, A. N. Tea production is the foundation of the economy of collective farms in the Makharadze District. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:26-30, 1965. 68.19 M28
English summary.
- 417 UMNIKOV, S. D. On farming systems in socialist agriculture. (Bu) Selskостопанска Nauk. 4(3):65-68, Ref. 1965. 21 Sc492
- 418 UMNIKOV, S. D. On the theory of farming systems. (Rus) Za Sotsialist. Sel'skokhoz. Nauk. 2:163-172, 1966. 64.8 Z1
English summary.
- 419 VAGI, F. Production and income differences in agriculture. (Hu) Statist. Szemle 44(6):585-606, June 1966. 266.5 Sc2M
English summary.
Collective and state farms.
- 420 VANACEK, J. Specialized farming reduces costs, increases production. (Cz) Ekon. Zemedelstvi 5(1):5-7, Jan. 1966. 281.8 EK7
- 421 VASINAUSKAS, P. Agrotechnika [Agricultural technology]. Ed. 3. Vilnius, Mintis, 1966. 439 p. S517.L6V3
- 422 VAZ, J. T. Diversification in coffee culture. (Por) Gaz. Agr. Angola 11(7):1204-1207, July 1966. 24 G252
Brazil.
- 423 VEJNAR, M. Through specialization towards effective production. (Cz) Ekon. Zemedelstvi 4(11):325-327, Nov. 1965. 281.8 EK7
Forage plants.
- 424 VERTRIST, W., CLOOSTERIN, B., and GILLIEUX, H. Aperçu des résultats comparables moyens de 619 exploitations agricoles pour l'exercice 1964-1965 [View of average accounting results of 619 farms for the 1964-1965 season]. Brussels, Inst. Econ. Agr. Cah. I.E.A. 46(EE-7), 72 p., map. Mar. 1966. 281.9 B832
Includes costs and returns.
- 425 VOJTJEHOVSKI, M. Organization of the specialized farms for the production of corn. (Se) Glasnik 15(6):37-50, 1966. 280.28 Z13
- 426 VRIES, K. J. DE. The reviewing and advising on farm plans. (Du) Neth. Dir. Landbouw. Landbouvoorlichting 23(2/3):53-57, Feb./Mar. 1966. 12 N383M
Linear and program planning.
- 427 VESOUYUZNVI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI SEL'SKOGO KHOZYAISTVA. Optimal'nye razmery sel'skokhozyaistvennykh predpriyatiy [Most profitable size of the agricultural enterprises]. Moskva, Kolos, 1965. 487 p. S562.U4V75
- 428 VULKOV, D. P., and others. Organizatsiya na sotsialisticheskiye selskостопански predpriyatiya [Management of the agricultural socialist enterprises]. Sofiya, Zemizdat, 1965. 559 p. S562.B807
M. Minkov, T. Georgiev, S. Mikkailov, M. Belyashki, Kh. Sarov, and D. Ivanov, joint authors.
- 429 WAEDEKIN, K. E. U.S.-Russian comparison; Ivan's farms are much bigger—and so are his problems. Co-op Grain Quart. 24(2):22-24, Summer 1966. 280.28 C7898
- 430 WATSON, N. Management and financial aspects of high sheep stocking rates. Massey Univ. Manawatu. Sheepfarming Annu. 1965:23-40. 45.9 M38S
New Zealand.
- 431 WEST PAKISTAN. DIRECTORATE OF LIVE-STOCK FARMS. Third annual report 1964-1965. Lahore, 1966. 262 p. SF15.P13A3
- 432 WYOMING. AGRICULTURAL EXPERIMENT STATION. The Savery-Pothook Reclamation Project: detailed report and farm and ranch budgets. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 209, 88 p., map. Apr. 1965. 100 W99M
- 433 YOUNG, F. W., and BURY, E. R. Farm structure and field operations: an aerial photographic study. Rural Sociol. 31(3):320-332, Sept. 1966. 281.28 R88

Bookkeeping and Records

- 434 ADLER, G. SH. Improving elementary documentation. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:6-8, July 1966. 30.69 Uc4
Bookkeeping and records on collective farms.
- 435 ASHURALIEV, R. Better accounting and strict control. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:42-44, Aug. 1966. 30.69 Uc4
Policies.
- 436 BOLDO, M. D., and NAVARRO, M. L. Agriculture and accounting. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(7):126-127, July 1966. 15 Sa5
Farm records.
- 437 FUTORYAN, P. N. More attention to socialist control. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:38-40, Aug. 1966. 30.69 Uc4
Accounting on collective farms.

- 438 GOL'DMAN, G. G., and SHPAKOVSKII, I. P. Commercial accounting system and calculation on state farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:20-24. Aug. 1966. 30.69 Ucd
- 439 HAESTRUP, B. Transition of agriculture to electronic accounting. (Da) Tolvmandsbladet 38(8):433-440. Aug. 1966. 11 T58
- 440 JELINEK, A. Reorganization of accounting in collective farming. (Cz) Ekon. Zemedelstvi 5(3):65-69. Mar. 1966. 281.8 Ek7
- 441 KURENNOI, A. G. Advantage of the commercial accounting system for collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:24-25. July 1966. 30.69 Ucd
- 442 LAMYKIN, I. A. Expenditure and the net cost of production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:10-12. July 1966. 30.69 Ucd
Calculation.
- 443 MARCHENKO, A. K. Proper distribution of expenditures. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:13-14. July 1966. 30.69 Ucd
Accounting.
- 444 MEIENDORF, A. L. Methods used in USA for setting amortization charges. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 22:116-120. 1964. 281.9 M852
- 445 PEARSE, R. A. Electronic data processing and the farm—U.S. style. Farm Policy 6(1):18-22. June 1966. 281.8 F2242
In farm record keeping.
- 446 RAMM, D. Methodenvergleich im landwirtschaftlichen Rechnungswesen in England und Deutschland [Comparison of methods of agricultural accounting in England and Germany]. Hohenheim. Landwirt. Hochsch. Diss. 13, 179 p. Feb. 1964. 105.8 H686D
Bibliography, p.170-177.
- 447 RULES for basic capital depreciation are changed. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:46-48. July 1966. 30.69 Ucd
- 448 SAVINOV, M. S. Complex revisions. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:45-46. Aug. 1966. 30.69 Ucd
Collective farm accounting.
- 449 SEMENOV, V. N. Keeping records of basic capital on state farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:15-16. July 1966. 30.69 Ucd
- 450 SHKUTOV, V. M. Economic effectiveness of the commercial accounting system. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 7:20-23. July 1966. 30.69 Ucd
On collective farms.
- 451 SKREPKOVA, K., and GREGAR, M. Some practical suggestions on the new system of accounting in collective farming. (Cz) Ekon. Zemedelstvi 5(7):193-194. July 1966. 281.8 Ek7
- 452 STANOTKIN, A. I. Technological charts in control system. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:25-26. Aug. 1966. 30.69 Ucd
Collective farm accounting.
- 453 STEVENSON, J. H. Farm secretarial services as the farmer sees them. Great Brit. Min. Agr. Fish. Food. Agr. 73(7):336-337. July 1966. 10 G79J
Keeping records.
- 454 VASIL'EV, D. G. Urgent tasks of collective farm bookkeeper. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 8:2-4. Aug. 1966. 30.69 Ucd
- Costs and Returns
- 455 AMDAL, L. Can the fur industry save significant amounts of money through cutting down on the use of protein. (No) Norsk Pelsdyrl. 40 (18):444-445. Sept. 20, 1966. 412.628 N812
- 456 ANIC, B. Study of possibilities of culture of medicinal, aromatic and honey plants. (Se) Nar. Sumar 20(3/4):93-98. Mar./Apr. 1966. 99.8 N16
Costs.
- 457 BRASOVEANU, N. The economic effectiveness of the grape culture on collective farms. (Rum) Rev. Statist. 15(7):23-32. July 1966. 287.8 St22
- 458 BROOKE, D. L. Costs and returns from vegetable crops in Florida, season 1964-1965, with comparisons. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo Rep. EC 66-10, 33 p., map. Feb. 1966. 281.9 F663
- 459 BROWN, J. D. Factors associated with the cost of producing milk for higher producing dairy herds in Georgia. Ga. Agr. Exp. Sta. Bull. (n.s.) 170, 18 p., map. Aug. 1966. 100 G293B
- 460 CAMBRA, R. Economia de la produccion frutal; costes, rendimientos, cooperativismo [Economy of fruit production: costs, returns, cooperation]. Zaragoza, Consejo Superior de Investigaciones Cientificas, 1966. 359 p. SB357. C3
Bibliography, p.265-293.
- 461 CAMPBELL, K. O. Problems of adaptation of pastoral businesses in the arid zone. Australian J. Agr. Econ. 10(1):14-26. Ref. June 1966. 281.8 Au74
Economic aspects of range management.
- 462 DIAZ D., R. O. Cost per plaza of sorghum (Sorghum vulgare Pers.) in the Cauca Valley. (Sp) Agr. Trop. 22(7):380-381. July 1966. 26 Ag8
- 463 DORAN, S. M., and FOEPPPEL, W. G. Fall potatoes, estimated per acre costs and returns, Columbia Basin, Washington. Wash. State Univ. Ext. E. M. 2662, 6 p. June 1966. 275.29 W27M1
- 464 DOUMA, M. H. Oorzaken van verschillen in uitkomsten van landbouwbedrijven in het rivierengebied (1963/64) [Origin of variations in returns of farms in the river district (1963/64)]. Landbouw-Econ. Inst. Stud. 37, 52 p. June 1966. 281.9 L23S
- 465 ELEM, R. K., and MEIJARD, D. Are unheated greenhouse strawberries as main crop profitable? (Du) Groenten Fruit 22(8):305-307. Aug. 31, 1966. 80 G89
- 466 ELSTRAND, E. Grain or milk; what pays most? (No) Norsk Landbruk 6:6-7, 31. Mar. 25, 1966. 11 N8122
- 467 ENSMINGER, M. E. Analyze your beef balance sheet. Livestock Breeder J. 9(10):40, 42. Oct. 1966. 49 L758
Returns; includes management of beef cattle farms.
- 468 GERDES, G. Costs and cost structure of sugar beet production in various districts of the D.D.R. (Ge) Feldwirtschaft 7(2):64-66. Feb. 1966. 18 W763
- 469 GERMANY (FEDERAL REPUBLIC) BUNDES-MINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Buchführungs-ergebnisse von Weinbaubetrieben, 1962/63 und 1963/64. Heft 4 [Accounting results in grape production, 1962/63 and 1963/64, Number 4.]. Bonn, 1965. 69 p. Ref. 95.9 G31
- 470 GLIHA, S., and STERN, V. Production on swine farms under new economic conditions. (Sl) Soc. Kmetistvo Gozdarstvo 16(16):389-393. Nov. 18, 1965. 21.5 S014
Chiefly costs and prices.
- 471 GUSTAFSSON, T., and SJÖBERG, K. Data om far med ekonomiska beräkningar [Data on sheep with economic calculations]. Uppsala. Lantbrukshögsk. Aktuellt Lantbrukshögsk. 88, 106 p. 1966. 11 Up62A
Costs and returns.
- 472 HONISCH, O. On the divided harvesting of the grain. (Cz) Ekon. Zemedelstvi 5(7):187-188. July 1966. 281.8 Ek7
Costs.
- 473 JACKSON, B. G., and STURROCK, F. G. The national wheat survey. Great Brit. Min. Agr. Fish. Food. Agr. 73(7):308-312, map. July 1966. 10 G79J
Costs and returns.
- 474 JONES, R. B. Returns from cattle and sheep on arable farms. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:16-19. Spring 1966. 281.9 N842
- 475 JUSTUS, F. E., and GIESLER, G. G. Feeder pig production costs and returns in the Missouri Ozarks. Mo. Agr. Exp. Sta. Bull. 849, 27 p., map. 1966. 100 M693

- 476 KADLEC, J. E., and others. An economic comparison of swine growing-finishing facilities. *Feedstuffs* 38(28):54-56. July 16, 1966. 286, 81 F322
W. H. M. Morris, D. Bache, and R. Crawford, joint authors.
Costs and returns.
- 477 KARLSSON, H. Kostnader for mjolkproduktion [Cost of milk production]. Uppsala. Lantbruks-hogsk. Aktuellt Lantbrukshogsk. 89, 102 p. Ref. 1966. 11 Up62A
- 478 KELLY, B. W., and OBOURN, T. H. Varied production costs involved in commercial vineyard operations. *Sci. Farmer [Penn. Sta.]* 13(4):10. Summer 1966. 100 P381S
- 479 KERR, H. W. T. Simple arithmetic and land prices. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:1-2. Spring 1966. 281,9 N842
Returns from land purchased at present prices.
- 480 LARSEN, P. H. Production trends in agriculture. IV. Evaluation of the growing value of crops. (Da) *Tolvmandsbladet* 38(3):159-161. Mar. 1966. 11 T58
- 481 LAZAR, M., and MARCU, I. Costs and returns of corn production in specialized state farms of the Sînnicolau-Mare area. (Rum) *Probl. Agr. [Bucharest]* 18(6):79-88. June 1966. 21 R862
- 482 LEDL, C. Returns and income of farms. (Cz) *Ekon. Zemedelstvi* 5(6):159-162. June 1966. 281,8 Ek7
- 483 MENDOZA (PROVINCE). INSTITUTO PROVINCIAL AGROPECUARIO. Posibilidades economicas del cultivo e industrialización de la remolacha azucarera en Mendoza; primer informe [Economic possibilities of sugar beet culture and industrialization in Mendoza; first report], by C. S. Gutierrez, L. H. Hernandez, and P. A. Henriquez. Mendoza, 1965. 89 p. HD9114.A7M4
Production costs and yields included.
- 484 MITYUSHKIN, T. S. Rentabilit'nost' sel'skokhozyaystvennogo proizvodstva i khozraschet v kolhozakh [Profit from the agricultural production and the commercial accounting on the collective farms]. Moskva, Statistika, 1966. 88 p. S567.M5
- 485 MUELLER, A. G., WILKEN, D. F., and KESLER, R. P. 41st annual summary of Illinois farm business records, 1965; commercial farms; production, costs, income, investments. Ill. Univ. Ext. Circ. 941,24 p., map. Aug. 1966. 275,29 IL62C
- 486 MULLINS, T. Production requirements and estimated costs and returns for rice and beef cattle under alternative rotation programs in the Coast Prairie, Texas. *Tex. Agr. Exp. Sta. MP-801,18 p., map. Mar. 1966. 100 T31M*
U. S. Department of Agriculture, cooperating. Rotation with pasture.
- 487 NEDEV, N., and GROZDIN, A. Production costs of grafted walnut trees. (Bu) *Gorkso Stopanstvo* 22(5):21-24. May 1966. 99,8 G682
- 488 NIELSEN, E. M. Competitive ability of Danish agriculture. (Da) *Tolvmandsbladet* 37(11):532-534. Nov. 1965. 11 T58
Comments on earlier articles.
Costs and returns.
- 489 NIXON, B. R., and BABINGTON, R. J. National Wheat Survey, 1964. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:42-44. Spring 1966. 281,9 N842
Costs and returns.
- 490 NODLAND, T. R. 1965 annual report of the Southeastern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 286,25 p. June 1966. 281,9 M66
Costs and returns.
- 491 NODLAND, T. R. 1965 annual report of the Southwestern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 285,24 p. May 1966. 281,9 M66
Costs and returns.
- 492 NOORT, L. VAN. Rentabiliteit van de tuinbouw in Het Grootslag; voorlopige berekening 1965/66 [Profitability of horticulture in Het Grootslag; preliminary estimate 1965/66]. Landbouw-Econ. Inst. Verslagen 170,21 p. Aug. 1966. 281,9 L23V
- 493 RAEHSE, H. Use of time and cost summation methods on the basis of expense bearer reckoning in the determination of labor productivity, net costs, and returns of socialist agriculture. (Ge) *Statist. Praxis* 21(7):301-306. (Cont.) July 1966. 251,8 S125
- 494 RAHMAN, M. Cost and return; a study of irrigated crops in Comilla villages. Pakistan Acad. Rural Develop. Tech. Publ. 19,136 p. Oct. 1965. 281,9 P173
- 495 RAYNER, M. J., and SENIOR, W. S. East Midlands egg production survey, 1964-65. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:45-47. Spring 1966. 281,9 N842
Costs and returns.
- 496 REISS, F. J. Landlord and tenant shares, 1965. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Res. Rep. AERR 82,40 p. Sept. 1966. 281,9 IL62
- 497 REYES, B. N. DE LOS, and others. A case study of the tractor- and carabao-cultivated lowland rice farms in Laguna, crop year, 1962-63. *Philippine Agr.* 49(2):75-94. July 1965. 25 P542
E. U. Quintana, R. D. Torres, O. M. Ela, N. M. Fortuna, and J. M. Marasigan, joint authors.
Returns in relation to management.
- 498 SCHWEIZERISCHE ARBEITSGEMEINSCHAFT DER BERGBAUERN. Die Aufzuchtskosten von weiblichem Rindvieh im Jahre 1963/64 [The costs of raising heifers in the year 1963/64]. Schweiz. Arbeitsgemeinschaft. Bergbauern. [Schriftenreihe] 74,24 p. Apr. 1965. 281,29 Sch9
French summary.
- 499 SCHWEIZERISCHE ARBEITSGEMEINSCHAFT DER BERGBAUERN. Die Aufzuchtskosten von weiblichem Rindvieh im Jahre 1964/65 [The costs of raising heifers in the year 1964/65]. Schweiz. Arbeitsgemeinschaft. Bergbauern. [Schriftenreihe] 77,29 p. Mar. 1966. 281,29 Sch9
French summary.
- 500 SIMON, W., and KORSCHENS, M. Economic use of catch crops. (Ge) *Feldwirtschaft* 7(6):293-295. June 1966. 18 W763
Costs and returns.
- 501 SIN, V. Organization of the harvesting operations from the beginning to the end. (Cz) *Ekon. Zemedelstvi* 5(7):185-186. 281,8 Ek7
Grain costs.
- 502 SOKOLOV, A. V. Economic effectiveness of cattle fattening on sugar beet pulp. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 26/27:44-49. 1965. 281,9 M852
- 503 STERN, V., and STEFULA, O. Economic aspects of the fruit and grape culture under previous and new economic conditions. (Sl) *Soc. Kmetistvo Gozdarstvo* 16(15):353-355. Oct. 28, 1965. 21,5 So14
- 504 STEVENS, D. M., AGE, D. E., and HOUSE, V. W. Sugar beet production costs and practices for Wyoming. *Wyo. Agr. Exp. Sta. Mimeogr. Circ.* 206,23 p. Jan. 1965. 100 W99M
- 505 TARDANI, A. How much it costs to produce a pig. (It) *Riv. Zootec.* 39(7/8):395-398. July/Aug. 1966. 49 R52
- 506 THOMPSON, W. R. Growing summer forages means profit. *Plant Food Rev.* 12(2)-3. Summer 1966. 57,8 P694
Pastures for dairy cattle grazing.
- 507 WALCH, H. N., and NODLAND, T. R. Feeder cattle costs and returns, 1964-1965. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 287,28 p. July 1966. 281,9 M66
- 508 WHETHAM, E. H. Diminishing returns and agriculture in Northern Nigeria. *J. Agr. Econ. [Reading]* 17(2):151-157. Ref. Sept. 1966. 281,9 Ag8

- 509 WOOD, R. O. Profits from milk, 1962-63 to 1964-65. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:19-23. Spring 1966. 281.9 N842
- 510 WYNNE, A. J. Feeding and profit in milk production. Farm Econ. [Oxford] 11(1):33-36. 1966. 281.8 F223

Land Settlement and Colonization

- 511 ANDRADE, F. S. C. DE. Communication on three agricultural settlements. (Por) Agron. Angolana 18:73-87. 1963, pub. 1965. 24 Ag83 English summary.
- 512 HILLS, T. Land settlement schemes—lessons from the British Caribbean. Rev. Geogr. 35 (63):67-82. 1965. 331.8 R32
- 513 KAHONEN, U. Land settlement activity and land policy in Finland. Asutusioim Aikakauskirja 19(2):1-3. 1966. 282.29 F49J
- 514 MÄNNÖLÄ, E. Types of farms and regulations of the Land Use Act concerning settlers and policy practised in land distribution. Asutusioim. Aikakauskirja 19(2):13-15. 1966. 282.29 F49J In Finland.
- 515 MUURAMO, K. Land settlement administration. Asutusioim. Aikakauskirja 19(2):4-5. 1966. 282.29 F49J In Finland.
- 516 NOBLE, N. W. Highway for homesteaders. Our Public Lands 16(2):8-10, map. Fall 1966. 156.55 Ou7 The Santa Fe Trail.
- 517 WIESE, H. Die Eingliederung vertriebener Landwirte auf Vollbauernstellen 1964 [The incorporation of displaced farmers to the position of full farmers]. Agrarsoz. Ges. Materialsamml. 53,36 p. July 1966. 281.9 Ag662M Includes tenure and finance.
- 518 WILLIAMS, M. Delimiting the spread of settlement: an examination of evidence in South Australia. Econ. Geogr. 42(4):336-355, map. Oct. 1966. 278.8 Ec7

Land Tenure

- 519 AGUNDEZ, A. Process of farm concentration and legally vulnerable regulations. (Sp) Rev. Estud. Agro-Soc. 15(55):31-71. Ref. Apr./June 1966. 281.8 R327 English summary.
- 520 AKTAN, R. Problems of land reform in Turkey. Middle East J. 20(3):317-334. Summer 1966. 280.8 M585
- 521 ASSOCIATION SYLVO-PASTORALE TARNAISE. Undivided mountain properties. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:329-331. 1964/65, pub. 1966. 281.9 Ec7 Historical.
- 522 BALLARIN MARCIAL, A. General principles of integral agrarian reform. (Sp) Rev. Estud. Agro-Soc. 14(52):197-271. July/Sept. 1965. 281.8 R327 English summary.
- 523 BENNETT, L. G. An enquiry into the economic and social situation of tenants of statutory horticultural smallholdings provided by Middlesex County Council. Reading [Engl.] Univ. Dep. Agr. Econ. Misc. Stud. 41,26 p. Apr. 1966. 281.9 R22Ms
- 524 CHAMBLISS, R. L. Changes on Virginia farms. Va. Polytech. Inst. Ext. Va. Farm Econ. 198:3-4. July/Aug. 1966. 275.29 V813 Number of farms.
- 525 DORNER, P. Issues in land reform: the Chilean case. Wis. Univ. Land Tenure Cent. Discuss. Pap. 5,15 p. Aug. 1965. 282.9 W753D
- 526 GARCIA DE OTEYZA, L. Experiences on agrarian reform in Spanish America. (Sp) Rev. Estud. Agro-Soc. 14(52):157-196. July/Sept. 1965. 281.8 R327 English summary.

- 527 GOMEZ AYAU, E. Land reform and economic development. (Sp) Rev. Estud. Agro-Soc. 14 (52):125-156. July/Sept. 1965. 281.8 R327 English summary.
- 528 INSTITUT MIROVOI EKONOMIKI I MEZHODU-NARODNYKH OTNOSHENII. Agrarno-krest'nyanskii vopros na sovremennom etape natsional'no-osvoboditel'nogo dvizheniya v stranalakh Azii, Afriki i Latinskoj Ameriki [Problems of the agriculture and peasantry at the present stage of national liberation movement in Asia, Africa and Latin America]. Moskva, Nauka, 1965. 215 p. Ref. HD320.5J5
- 529 INSTITUTO COLOMBIANO DE LA REFORMA AGRARIA. Report on activities in 1964. Bogota, 1965. 125 p., map. 282.9 LnF
- 530 KAPPEL, E. The Netherlands agricultural structure. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (31):1204,1206,1208-1209. Aug. 1966. 18 N39 Includes consolidation of holdings and reclamation.
- 531 OKABE, H. Agrarian reform in Mexico: an interpretation. Developing Econ. 4(2):171-194. June 1966. 280.8 D493
- 532 OUCHI, T. The Japanese land reform: its efficacy and limitations. Developing Econ. 4(2):129-150, map. June 1966. 280.8 D493
- 533 PEDERSEN, L. B. Problems in connection with change of generation in agriculture. (Da) Landbonyt 20(5):187-190. May 1966. 11 L2322 Farm inheritance.
- 534 PLIMPTON, O. Constitutional law—power of state to designate game preserves. Natur. Resources J. 6(3):361-367. Ref. July 1966. 19 N19
- 535 RETROSPECT on and documents of land reform in Japan. Developing Econ. 4(2):195-204. June 1966. 280.8 D493
- 536 SAUZE, F. Principles of adapting rural space to group agriculture. (Fr) Cah. Ingen. Agron. 20:22-36. (Cont.) May 1966. 14 C112
- 537 SCOTLAND. LAND COURT. Appendices to report as to their proceedings under the Small Landholders (Scotland) Acts 1886 to 1931 and other acts, for the year from 1st January to 31st December 1965. Edinburgh, 1966. 164 p. 282.9 Sc8
- 538 SMITH, T. L., ed. Agrarian reform in Latin America. New York, Knopf, 1965. 206 p. (Borzol Books on Latin America) HD1790.5S6 Bibliography, p.193-206.
- 539 STROHBEHN, R. W. Resource productivity and income distribution, with implications for farm tenure adjustment. II. Agr. Exp. Sta. Bull. 720,35 p., map. Ref. Aug. 1966. 100 IL63 U. S. Department of Agriculture, cooperating.

Land Utilization

- 540 ANDERSON, H. R. Public lands & the Multiple Use Act. Calif. Cattleman 49(2):19,24. Feb. 1966. 43.8 C12
- 541 ATLAS der deutschen Agrarlandschaft. Zweite Lieferung 1965 [Atlas of the German agricultural landscape. Second number 1965]. Wiesbaden, Steiner Verlag, 1965. 30 p. 281.175 Ot7 Land use.
- 542 COOLEY, R. A. Alaska; a challenge in conservation. Madison, Univ. Wis. Press, 1966. 170 p. Ref. HC107.A4C6 Includes land use policy and settlement pattern.
- 543 CROSSWHITE, W. M., and VAUGHN, G. F. Suburban development in Metropolitan northern Delaware. Del. Univ. Ext. Coop. Bull. 3,26 p., map. June 1966. 275.29 D37Co Includes land utilization and agriculture.
- 544 DOPSON, F. C., and MILLER, F. Effects of urban expansion on ownership, use and taxation of agricultural land. Mo. Agr. Exp. Sta. Res. Bull. 907,42 p., map. Ref. Apr. 1966. 100 M693 Urban-fringe areas.

- 545 FISHER, F. E. The rural challenge; all the worrying about the fate of large cities is futile unless small towns are better served. *Nat. Civic Rev.* 55(9):507-511, 518. Oct. 1966. 280.8 N21
Includes problems of land use and small community government.
- 546 FROYSTAD, B. Agricultural policy and land policy. (No) *Ny Jord* 53(1):5-7. Feb. 1966. 282.28 N98
Land utilization.
- 547 GARDELLE, C. The decline of pastoral life of Vallorcin and possibilities of readaptation. (Fr) *Fed. Franc. Econ. Montagn. Bull.* (n.s.) 15: 433-443, map. 1964/65, pub. 1966. 281.9 E67
Livestock production and its decline due to tourism.
- 549 GRATTO, C. P. Less for growing—more for living. *R. I. Agr.* 12(3):4, 11. June 1966. 103 R342
Land utilization.
- 549 HEIDTMANN, W., SCHUPPELIUS, L. J., and RIEKEN, E. Agrarstrukturelle grossräumige Vorplanung für die Gemeinden des Nahbereichs Lunden, Kreis Norder-Dithmarschen, im Rahmen der Studien- und Modellvorhaben zur Erneuerung von Städten und Dörfern [Large-scale pre-planning of agricultural structure for communities in the area around Lunden, Norder-Dithmarschen district, within the framework of studies and model projects for the renewal of cities and villages]. *Agrarsoz. Ges. Materialsamm.* 49, 337 p., map. Ref. July 1966. 281.9 Ag62M
Data included on population, land tenure and use, labor, and forestry.
- 550 HEIDTMANN, W., SCHUPPELIUS, J., and RIEKEN, E. Agrarstrukturelle grossräumige Vorplanung für Gemeinden im Nahbereich Selent, Krs. Plön, im Rahmen der Studien und Modellvorhaben zur Erneuerung von Städten und Dörfern [Large-scale pre-planning of agricultural structure for communities in the area around Selent, Plön district, within the framework of studies and model projects for the renewal of cities and villages]. *Agrarsoz. Ges. Materialsamm.* 52, 231 p., map. July 1966. 281.9 Ag62M
Data included on population, land tenure and use, labor, and forestry.
- 551 KOVACS, CS. The main factors and rules of the spatial arrangement of subsistence and commodity producing agriculture. (Hu) *Földrajzi Ertesito* 15(2):211-235. Ref. 1966. 331.8 F69
English summary.
- 552 KRZYWONOS, J. Suggestions for fuller utilization of land. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 473:1-5. Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663St
Poland.
Translation from *Zycie Gospodarcze* 33:6. Aug. 14, 1966.
Issued by CFSTI.
- 553 MCCARTHY, W. O. Economic aspects of the brigalow development scheme, Queensland. *Farm Policy* 6(1):8-12. June 1966. 281.8 F242
- 554 PARCHER, L. A. Rural zoning. *Okl. Curr. Farm Econ.* 39(3):51-54. Sept. 1966. 100 Ok4
- 555 RAO, N. R., ed. Land utilization & agriculture in North Kanara District. *Kumta, Kanara Coll. Planning Forum*, 1965. 82 p., map. S471.14K3
Papers of symposium.
- 556 REGAMEY, P. Rural ingenuity: methods of rational exploitation of the land. (Fr) *Ann. Agr.* 6:43-45, 47-51. 1965/66. 17 An73
Land utilization from the economic point of view in Switzerland.
- 557 SPIEGELMAN, R. G. Analysis of urban agglomeration and its meaning for rural people. *U. S. D. A. Agr. Econ. Rep.* 96, 24 p. June 1966. A281.9 Ag84
Bibliography, p. 19-24.
Regional planning.
- 558 STOREY, E. H. A method of estimating the demand for outdoor recreation. *Urbanica?* 1965. 84 p. Film 655
Thesis—University of Illinois.
- 559 TOSSWILL, A. N. The role of hill country in future increases in production. *Massey Univ. Manawatu, Sheepfarming Annu.* 1965:109-120. 45.9 M38S
Sheep.
- 560 WHITTLESEY, N. K., and HEADY, E. O. Aggregate economic effects of alternative land reclamation programs: a linear programming analysis. *U. S. D. A. Tech. Bull.* 1351, 54 p., map. Ref. Aug. 1966. 1 Ag64Te
Iowa Agricultural Experiment Station, cooperating.
Includes productive capacity.
- 561 WILLEY, F. T. Leisure in the countryside. *Chartered Surv.* 99(3):119-121. Sept. 1966. 325.8 C38
Recreational use of land.
- 562 WIRTH, E. Damascus-Aleppo-Beirut, a geographical comparison of three towns of the Near East as reflected by their socially and economically influential classes. *A. Damascus and Aleppo, dissimilar twins.* (Ge) *Erde* 97(2): 96-137, map. Ref. 1966. 474 Er1
English summary.
Includes land utilization and agriculture.

Land Values and Valuation

- 563 CLARK, R., and VANVIG, A. Wyoming farm and ranch land prices. *Wyo. Agr. Exp. Sta. Mimeogr. Circ.* 215, 18 p., map. Sept. 1965. 100 W99M
- 564 JONG, S. H. DE. Leasing and purchase prices of agricultural lands in 1963/64. (Du) *Pacht* 25(12):286-289. Dec. 1965. 282.8 P11
- 565 SUTTIE, D. T. Scenic easements. *Appraisal J.* 34(4):531-548. Oct. 1966. 282.8 Am3
Agricultural land appraisal.
- 566 TADIC, D. The price of agricultural land in Yugoslavia in 1965. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 476:3-20, map. Sept. 19, 1966. (JPRS 37,713; TT 66-34141) 173 J663St
Translation from *Ekonomika Poljoprivrede* 13(6):453-461. June 1966.
Issued by CFSTI.
- 567 TADIC, D. Prices of the agricultural land in 1965. (Se) *Ekonomika Poljoprivrede* 13(6):453-461. June 1966. 281.8 Ek72
- 568 TAEUBER, K. C. Problems arising from artificial definitions of value. *Valuer* 19(1):37-42. 53. Jan. 1966. 282.8 V24
Agricultural land in Australia included.
- 569 WALLIS, S. Some ideas on land prices and land purchase. *Farming Progr.*, Mar. 1966:1-2. 10 F2244
Great Britain.

POPULATION

- 570 BLI, M. Changes in the social structure of population. (Rum) *Probl. Econ.* [Bucharest] 19(4):153-162. Apr. 1966. 280.8 P947
English summary, p. 189.
Includes occupations.
- 571 CRAWFORD, C. O. Family attachment, family support for migration and migration plans of young people. *Rural Sociol.* 31(3):293-300. Sept. 1966. 281.28 R88
- 572 CRUZ, M. DE LA. The population of Spain in the last 65 years. (Sp) *Rev. Sindical Estad.* 21(82):2-17. Ref. Second Q. 1966. 263 Es8B
Includes statistics of agricultural population.
- 573 GHETAU, V. Demographic consequences of the increased mean span of life in Rumania. (Rum) *Rev. Statist.* 15(5):46-53. May 1966. 267.8 St22
Statistical research method.
- 574 NORWAY. STATISTISK SENTRALBYRA. Folkemengdens bevegelse, 1964. Vital statistics and migration statistics, 1964. Oslo, 1966. 59 p. 257.2 S22Fo
Table of contents, some table headings and summary also in English.
Includes rural-urban migration.

- 575 POLAND, GŁOWNY URZĄD STATYSTYCZNY. Spis powszechny z dnia 6 grudnia 1960 r.; wyniki ostateczne. Ludność, gospodarstwa domowe [Population census of December 6, 1960; final results: Population, households]. Poland. Główny Urząd Statystyczny, Statystyka Pol. Ser. L 2(1), 119 p.; 12(1), 119 p.; (2A), 131 p.; (2B), 207 p.; 17(1):121 p.; (2A), 197 p.; (2B), 313 p.; 20(1), 119 p.; (2A), 116 p.; (2B), 117 p.; 21(2A), 172 p.; 23, 119 p. 1965. 267.2 G51SL Includes rural population.
- 576 PRUTEANU, P. Life tables of the population of Rumania in 1964 by regions. (Rum) Rev. Statist. 15(7):3-10. July 1966. 267.8 S122
- 577 SAKOFF, A. N. Rural population and agricultural labor force in the U.S.S.R. Food, Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15 (7/8):1-10, map. Ref. July/Aug. 1966. 251 F73M6
- 578 SCHMITT, R. C., and GRIER, J. M. A method of estimating the population of minor civil divisions. Rural Sociol. 31(3):355-361. Sept. 1966. 281.28 R88
- 579 TAEUBER, I. B. The dynamics of the world population situation. Great Plains Agr. Coun. Proc. 1966:17-30a. 282.9 G7992
- 580 TREBICI, V. Aspects of the demographic phenomena by regions. (Rum) Rev. Statist. 15 (6):49-60. June 1966. 267.8 S122
- 581 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Demografska statistika 1963 [Statistics of population for 1963]. Beograd, 1965. 263 p., map. 266.9 S9V
- 582 ZENGA, M. Variations in the territorial distribution of the population of the Province of Milano from 1951 to 1964. (It) Cam. Com. Milano 4(3):33-46, map. (Cont.) May/June 1966. 280.9 M587R Rural population data included.
- RURAL SOCIAL ORGANIZATION**
- 583 GUIMARAES, L. L. The training of rural sociologists in Brazil, their potential contributions and employment prospects. (Por) Rev. Ceres 12(71):286-310. Sept./Dec. 1965. 9.2 C332 English summary. Bibliography, p.306-310.
- 584 LIZCANO, M. The social structure of Spanish America and Spain. (Sp) Rev. Estud. Agro-Soc. 14(52):41-93. July/Sept. 1965. 281.8 R327 English summary. Bibliography, p.94-98.
- 585 PARTELI, C. Toward the reform of agriculture. (Sp) Cult. Mod. 49(8):312-313. Aug. 1966. 15 C89 Sociological.
- Human Ecology**
- 586 BUTLAND, G. J. Southern affinities and contrasts; a comparative review of the cultural landscapes of South America and Australia. Rev. Geogr. 35(63):117-130, map. 1965. 331.8 R32
- 587 CLAWSON, M. Factors and forces affecting the optimum future rural settlement pattern in the United States. Econ. Geogr. 42(4):283-293. Oct. 1966. 278.8 E67 Factors in the construction of an optimum model.
- 588 DRÄBICK, L. W. "Interest areas" revisited. Rural Sociol. 31(3):310-319. Sept. 1966. 281.28 R88 Community delineation in Pennsylvania.
- 589 ENYEDI, D. Hungarian village and socialist agriculture. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:60-67. Jan./Feb. 1966. 331.9 Ak12 History.
- 590 GUTHSMUTHS, W. Regional planning in South-west Africa. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 16(15):451-483, map. Aug. 15, 1966. 280.9 B6431
- 591 POULIN, F. The planning of regional development: eastern Quebec. Can. J. Agr. Econ. 14 (1):1-14. 1966. 281.8 C16
- 592 TAMSMA, R. De moshav ovidem. Involued op de sociale geografie van Israel's cooperatieve kleineboerendorpen zonder loonarbeid. Influences on the human geography of Israel's cooperative smallholders' settlements without hired labour. Utrecht. R. Univ. Geogr. Inst. Publ. 23, 454 p., map. 1966. 331.9 U17 Proefschrift--Utrecht. English summary.
- Institutions**
- 593 ALLEN, L. MDTA [Manpower Development and Training Act] aids low-income farmers. Employment Serv. Rev. 3(9):68, 73. Sept. 1966. 156.3 Em72
- 594 AREZINA, B. Educational aspects of the experimental farms of agricultural schools. (Se) Poljoprivredni Pregl. 14(9/10):395-404. Sept./Oct. 1965. 21.5 P753
- 595 ASOCIACION COLOMBIANA DE INGENIEROS AGRONOMOS. Report to the first agricultural extension seminar; coordination in agricultural extension services. (Sp) Agr. Trop. 22(7):344-347. July 1966. 26 Ag8
- 596 BAJCETIC, D., and GACKIC, E. State and problems of the extension work in Bosnia and Herzegovina and measures for its improvement. (Se) Poljoprivredni Pregl. 14(9/10):345-355. Sept./Oct. 1965. 21.5 P753
- 597 BAROZZI, L. When city boys discover farm animals. (It) Riv. Zootec. 39(7/8):369-374. July/Aug. 1966. 49 R52
- 598 BEACH, B., and WADSWORTH, H. A. Questions, answers; developing county recreational facilities. Purdue Univ. Ind. Agr. Ext. Mimeo EC-298, 6 p., folder, map. Apr. 1965. 100 In2Ag
- 599 BEAL, G. M., and others. Social action and interaction in program planning. Ames, Iowa State University Press, 1966. 510 p. Ref. S544.B4 R. C. Blount, R. C. Powers, W. J. Johnson, joint authors. Extension work.
- 600 BHATTACHARYA, M. Rural self-government in metropolitan Calcutta. New York, Asia Publ. House, 1965. 106 p. Ref. (Calcutta Research Studies, No.5) JS7052.B5
- 601 BLACKLOCK, J. S. An approach to extension. Farming Zambia 2(1):10-12. (Cont.) Oct. 1966. S19.F3
- 602 BONNEN, J. T. Evaluation of traditional roles of agricultural institutions. Great Plains Agr. Coun. Proc. 1966:1-16. 282.9 G7992
- 603 BYRAM, H. M. Guidance in agricultural education. Ed. 2. Danville, Interstate, 1966. 298 p. Ref. S494.5.A4B8
- 604 CLAAR, J. B. More specialization for county extension staff. Ill. Res. 8(3):17. Summer 1966. 100 IL64
- 605 CONVENT DER CHRISTELIJK-SOCIALE ORGANISATIES. SOCIOLOGISCH INSTITUUT. Terreinverkenning voor de agrarisch-sociale voorlichting in het gebied Epe-Heerde [Field reconnaissance for agricultural social advisory work in the Epe-Heerde district]. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 680, 172 p. 1966. 105.2 V61V
- 606 CORNEJO PACHECO, R. The demand for graduate agriculturists in Chile. (Sp) Simiente 35(1/3):35-39. 1965. 9.3 S14
- 607 DAVISON, R. P. How Extension assists 40,000 families; report to Vermonters. Vt. Farm Home Sci. 9(1):7-14. Summer 1966. 100 V593
- 608 DOPP, A. The Extension Service as perceived by the businessmen of Clark County, Wisconsin. Madison? 1966. 120 p., Ref., p.109-112. S544.3.W6D6 Thesis (M.S.)--University of Wisconsin.
- 609 EFREMOFF, S. K. The importance of estate planning. Vet. Econ. 7(3,1.e.4):53,56-57. Apr. 1966. 41.8 V6458

- 610 GARDI, G. Nothing de facto for "intellectual investments" in agriculture. (It) Riv. Polit. Agr. (n.s.)13(2):19-25. June 1966. 281.8 R523
- 611 GARKUSHA, I. F., KRASOTA, V. F., and RU-NOV, B. A. Sel'skokhozyaistvennoe obrazovanie za rubezhom [Agricultural education overseas]. Moskva, Kolos, 1965. 168 p. \$531.54 Great Britain, Sweden and USA.
- 612 GORDY, J. F., and others. The first 25 years at the University of Delaware Georgetown Substation. Del. Univ. Ext. Coop. Bull. 4, 8 p. Aug. 1966. 275.29 D37Co
W. T. McAllister, E. M. Rahn, and J. L. Webb, joint authors.
- 613 GREEN, B. L. Recreation, an Ozark product. Ark. Farm Res. 15(3):11. May/June 1966. 100 Ar42F
- 614 GREENMAN, J. R. Making a will in Florida, for agricultural and other estates. Fla. Agr. Exp. Sta. Bull. 711, 28 p. Ref. p. 25-28. July 1966. 100 F66S
- 615 GYSEL, A. Considerations on the functions of extension in agriculture. (Ge) Schweiz. Landwirt. Monatsh. 44(6):230-235. June 1966. 17 Sch93
- 616 HAGA JORDBRUKSSKOLE, Melding om Haga Jordbruksskoles virksomhet Even Haugen [Report on the work of Haga Agricultural School by Even Haugen], 1965, v. 47. Mysen, 1966. 36 p. 275.9 M99
- 617 HAMS, L. From the history of agricultural education in Czechoslovakia. (Cz) Agrikultura 4:169-185. 1965. 19.5 Ag8
German summary.
- 618 HERNANDEZ DE CALDAS, A. A cooperative agricultural catalog for Colombia. (Sp) Bol. Bibliogr. Agr. 3(1):1-14. Ref. Jan./Mar. 1966. 241 B637
- 619 HYATT, G. Staff competence; promotion to a supervisory or administrative role is no guarantee of adequate preparation or effective performance. J. Coop. Ext. 4(3):135-142. Fall 1966. 275.28 J82
- 620 JEFFREY, B. I. Educational and vocational goals of rural youth and their parents in Tennessee. Tenn. Agr. Exp. Sta. Bull. 399, 51 p. Mar. 1966. 100 T75S
- 621 JOHANSEN, A. A brief note on agricultural education in North-Trondelag. (No) Gartneryrket 56(33):769, 773. Aug. 12, 1966. 80 G1938 Secondary.
- 622 KALRA, O. P. Does agricultural education in India help farmers? Planting Com. 14(3):5-6. 8. July 8, 1966. 22 P697
Higher education.
- 623 KING, G. W., and BROWN, E. J. Adapting to resource development. J. Coop. Ext. 4(3):169-178. Fall 1966. 275.28 J82
Policies and programs.
- 624 KOKKONES, A. Seminar on farmer education; conclusions from three years experience at the Practical Farm School of Patras [Praktikon Georgikon Sholeion Patron]. (Gre) Greece. Hypourgeion Georgias, Deltion Georgikon Epharmogon Ekpaideuseos 2:47-49. Mar./Apr. 1966. 275.249 G81
- 625 KRASOTA, V. F. Role of agricultural higher education in the Five-Year Plan. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:152-153. July 1966. 20 V633
- 626 LAWSON, W. M., and DAIL, H. M. Sources of information for farmers. J. Coop. Ext. 4(3):163-168. Fall 1966. 275.28 J82
- 627 LINCOLN COLLEGE, Annual review, 1965. Canterbury, New Zealand, 1965. 64 p. 109 C162A
- 628 MALIK, I. H. Economic advantages of anti-malaria measures amongst the rural population. Punjab (Pakistan). Board Econ. Inf. Publ. 137, 52 p. Ref. 1966. 281.9 In2
- 629 MIKOLASEK, A. Sauna and the health of farmers. (Cz) Ekon. Zemedelstvi 4(11):342-343. Nov. 1965. 281.8 Ek7
- 630 MORALES BENTEEZ, O. Agricultural extension and social development. 1. (Sp) Rev. Nac. Agr. 60(736):23-26. Aug. 1966. 9.4 R32
Colombian agricultural development.
- 631 NATESH, A. M. Radio rural forums. Farming Zambia 2(1):18-19. Oct. 1966. \$19.F3
- 632 NATIONAL RESEARCH COUNCIL. COMMISSION ON EDUCATION AND NATURAL RESOURCES IN AGRICULTURE. Trends and issues in education in the agricultural sciences. BioScience 15(11):711-715. Nov. 1965. 500 Am322A
- 633 NORTH DAKOTA, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. AGRICULTURAL EXTENSION SERV. School drop-outs are dead ducks. N. Dak. State Univ. Ext. Circ. A-473, 6 p.-folder. July 1965. 275.29 N812Sa
- 634 OLIVER, K. D. Catalogue of the Buller Memorial Library. Can. Dep. Agr. Publ. 1226, 84 p. 1965. 7 C16Pu
Text in English and French.
- 635 ONTARIO, DEPT. OF AGRICULTURE. Annual report of the Federated Colleges: the Ontario Agricultural College, the Ontario Veterinary College, and Macdonald Institute, April 1, 1964 to March 31, 1965. Guelph, 1965. 74 p. \$535.C205
- 636 PALM, C. E. How county agents can work closer with industry. Farm Technol. 22(8):9-10. Sept./Oct. 1966. 275.28 N213
- 637 PATTON, S. J. 4-H share-the fun program for 4-H club members. Va. Polytech. Inst. Ext. Circ. 844, rev., 7 p. May 1966. 275.29 V81C
- 638 PERL, E. Training of professionals in Czechoslovakia. (Hu) Magyar Mezogazdasag 21(32):22-23. Aug. 10, 1966. 19 M27
Agricultural education.
- 639 PHIPPS, L. J. Handbook on agricultural education in public schools. Ed. 2. Danville, Ill., Interstate, 1966. 774 p. Ref. \$531.P5
- 640 RAJNOHA, S. Exhibit of the Agricultural Museum [Polnohospodarske Muzeum] at Nitra. (Cz) Agrikultura 4:169-216. Ref. 1965. 19.5 Ag8
German summary.
- 641 SALATINI, G. Agriculture at the Milan Fair. (It) Agr. Italia 12(4):67-69. Apr. 1966. 16 Ag8232
- 642 SALDARRIAGA VILLA, M. Fixing of minimum requirements and priorities in agricultural extension work. (Sp) Agr. Trop. 22(7):348-351. July 1966. 26 Ag8
Latin America.
- 643 SALOMONS, H. Public and occupational health at a sugar estate in Ethiopia. Soc. Pathol. Exot. Bull. 58(4):740-746. July/Aug. 1965. 448.9 So13
- 644 SARTOR, J. Your future in the Cooperative Extension Service. Miss. State Univ. Ext. Publ. 541, 6 p.-folder. Aug. 1965. 275.29 M68Ext
- 645 SAVILE, A. H. Extension in rural communities; a manual for agricultural and home extension workers. London, Oxford University Press, 1965. 148 p. Ref. (Oxford Tropical Handbooks) \$544.S23
- 646 SILBAUGH, J. F. How news media get the word out. U. S. D. A. Yearbook Agr. 1966:225-235. 1 Ag84Y
Includes radio and television used in publicizing research programs.
- 647 SINGH, C. B. Some principles of extension work. Gosamvardhana 14(4):23-26. July 1966. 43.8 G69
- 648 SMITH, C. R., PARTAIN, L. E., and CHAMPLIN, J. R. Rural recreation for profit. Danville, Ill., Interstate, 1966. 303 p. Ref. GV53.S6
- 649 STOECKEL, J., and BEEGLE, J. A. The relationship between the rural-farm area structure and distance from a metropolitan area. Rural Sociol. 31(3):346-354. Sept. 1966. 281.28 R88
- 650 STUDIKOVA, Z. More attention to the youth ginning hops. (Cz) Chmelarstvi 38(8):117-118. Aug. 5, 1965. 70.8 C33
Health.

- 651 TAYLOR, W. H. Alabama grows: education, agricultural expansion, industrial development. Ext. Serv. Rev. 37(8):22-23. Aug. 1966. 1 Ex892Ex
Extension program.
- 652 TULLY, J. Changing practices: a case study. J. Coop. Ext. 4(3):143-152. Fall 1966. 275,28 J82
Extension methods in Australia.
- 653 TYLER, R. W. The role of the volunteer. J. Coop. Ext. 4(3):153-162. Fall 1966. 275,28 J82
- 654 U. S. NATIONAL AGRICULTURAL LIBRARY. Available bibliographies and lists. U. S. Natl. Agr. Libr. Libr. List 25,rev., 2 p. Aug. 1966. 1.916 L612
- 655 VAN CLEVE, J., and STAIGER, G. Citizens, 4-H team up on bicycle safety. Ext. Serv. Rev. 37(8):20-21. Aug. 1966. 1 Ex892Ex
Extension work program in Kansas.
- 656 WAGNER, H. Die Verbreitung, Resonanz und Wirksamkeit von Informations- und Beratungsmitteln bei den Landwirten Nordrhein-Westfalens [The dissemination, resonance, and effectiveness of information and extension methods among the farmers of North Rhine-Westphalia]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 27,115 p.,map. Ref. May 13, 1964. 105.8 B644
- 657 WULFHORST, E. F. Die Selbsthilfe in der Beruflichen Nachwuchsförderung der Westdeutschen Wirtschaft; Theorie und industrielle Praxis mit einem Ausblick auf die Landwirtschaft [Self-help in the occupational development of the next generation in the Western German economy; theory and industrial practice with a glance at agriculture]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 28,149 p. Jan. 22, 1964. 105.8 B644
Bibliography, p.142-148.

Leadership

- 658 COPP, J. H. Effective local leadership vital in solving Appalachia problems. Sci. Farmer [Penn. Sta.] 13(4):9. Summer 1966. 100 P381S
In community development.
- 659 PANAGIOTOPOULOS, S., and KATSAS, G. Training of leaders for cooperatives in Lesbos district. (Gre) Hypourgeion Georgias. Delton Georgikon Epharmogon Ekpaldeuseos 2:49-50. Mar./Apr. 1966. 275,249 G81
- 660 PIPER, T. E. Planning courses help community leaders organize to guide rural growth. Ext. Serv. Rev. 37(8):10-11. Aug. 1966. 1 Ex892Ex
Extension program in Pennsylvania.
- 661 SOLLIE, C. R. A comparison of reputational techniques for identifying community leaders. Rural Sociol. 31(3):301-309. Sept. 1966. 281,28 R88
- 662 YOUNG, S. B. Increased emphasis on leader development helps Extension serve more youth. Ext. Serv. Rev. 37(8):4-5. Aug. 1966. 1 Ex892Ex
4-H Clubs in Florida.
- 667 ILLINOIS STATE GRANGE. Roster, 1966. n.p., 1966. 61 p. 4 IL63R
- 669 INTERNATIONAL FEDERATION OF AGRICULTURAL PRODUCERS. Proceedings of the fifteenth general conference, London, England, 1966. Paris, 1966. 48 p. 28 I824
- 669 KIRKBRIDE, L., and LEONARDS, A. Low-income urban youth respond to 4-H call. Ext. Serv. Rev. 37(8):14-15. Aug. 1966. 1 Ex892Ex
Extension program in Ohio.
- 670 MANN, A. L. Young Farmers' Clubs demonstrate better practices in America. Zambia Ass. Young Farmers' Clubs. Young Farmers' Club Mag., June 1966:16-19. S544.5.2323
- 671 MUDALIAR, K. R. The Anamallai Planters' Association. Planters' Chron. 61(16):351-355. Aug. 15, 1966. 22 P693
- 672 NORGES BONDELAGE. Arsmelding [Annual report of the Farmers Association of Norway], 1965-66. Oslo, 1966. 153 p. 11 N76A
- 673 PORTER, E. Town committees, a boon to 4-H growth. Ext. Serv. Rev. 37(8):3. Aug. 1966. 1 Ex892Ex
Extension program in Vermont.
- 674 RIETZ, H. The invincible power of the alliances. (Ge) Feldwirtschaft 7(4):173-174. Apr. 1966. 18 W763
Farmer political organizations in East Germany.
- 675 ROSSER, M. H. Youth and Young Farmers' Clubs. Farming Zambia 2(1):2-3. Oct. 1966. S19.F3
- 676 SAIS, J. R. 4-H sparks adult interest. Ext. Serv. Rev. 37(8):6. Aug. 1966. 1 Ex892Ex
Extension programs in New Mexico.
- 677 SOCIEDAD NACIONAL AGRARIA (PERU). Memoria [Report], 1964/65. n.p., 1965. 200 p., map. 9.8 S011
- 678 YORKSHIRE AGRICULTURAL SOCIETY. Annual report 1964. Yorkshire, 1965. 30 p. S3.Y6
- 679 ZALSKI, T. Weaknesses in agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:20-24. Oct. 3, 1966. (JPRS 37,946; TT 66-34373) 173 J663Ste
Poland.
Translation from Zycie Gospodarcze 37:6. Sept. 11, 1966.
Issued by CFSTI.

Cooperative Organizations

- 660 BHAT, G. V. Co-operative movement and agriculture in N. Kanara district. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p.42-55. 1965. S471.I4K3
- 681 CALL, D. L. Management problems in growth situations. Feedstuffs 38(29):54-56. July 23, 1966. 286.8 F322
With reference to cooperatives.
- 682 DATTA, S. Private trade and consumers co-operatives. Planting Com. 14(2):7-8,22,24. June 23, 1966. 22 P697
India.
- 683 FAUQUET, G. Considerations on the cooperative movement. (Fr) Int. Arch. Sociol. Coop. 17:129-266. Jan./June 1965. 280.28 Ar22
Agricultural cooperatives included.
- 684 KNUTSON, R. D. Cooperatives and the competitive ideal. J. Farm Econ. 48(3,pt.2):111-121. Ref. Aug. 1966. 280.8 J822
- 685 MUTTI, R. J., and MCGINNIS, L. J. Operations of local feed and supply bargaining cooperatives in Illinois, 1959-64. U. S. Farmer Coop. Serv. Gen. Rep. 136,32 p.,map. July 1966. A280.29 F22G
- 686 NATIONALE COOPERATIEVE RAAD. Achten-twintigste jaarverslag [Twenty-eighth annual report], 1965. Den Haag, 1966. 112 p. 280.29 N216
- 687 POPOVIC, V. D. Problems of cooperation in production with individual farmers under conditions of irrigation. (Se) Ekon. Poljoprivrede 13(6):413-424. June 1966. 281.8 Ek72
- 663 ALMANAQUE de la cooperacion [Almanac of cooperation], 1966. Buenos Aires, 1965. 224 p. 280.28 AL63
- 664 COOMBS, K. L. Rhode island pushes 4-H with television. Ext. Serv. Rev. 37(8):7. Aug. 1966. 1 Ex892Ex
Extension methods.
- 665 HANSEN, A., and EVERTS, J. 4-H programs tailored to need and interest, build enthusiasm of special interest groups in Wisconsin. Ext. Serv. Rev. 37(8):16-17. Aug. 1966. 1 Ex892Ex
Extension program.
- 666 ILLINOIS STATE GRANGE. Annual session, 94th, De Kalb, Illinois, October 4, 5, 6, 7, 1965. n.p., 1965. 77 p. 4 IL63

RURAL SOCIAL PSYCHOLOGY

- 688 BOYLE, R. P. Community influence on college aspirations: an empirical evaluation of explanatory factors. *Rural Sociol.* 31(3):277-292. Sept. 1966. 281,28 R86
Studies with Canadian youth.
- 689 BRYANT, D. E. Young farmers—they want (need) to be heard. *Co-op Grain Quart.* 24(2): 8-10. Summer 1966. 280,28 C7898
Goals, attitudes, and values.
- 690 FRASIER, R., and POPE, V. Parents and babies; a guide for home economics program assistants. U. S. D. A. PA-715,4 p. Mar. 1966. 1 Ag84Pro
Psychology and education.
- 691 GIL MORENO DE MORA, J. Divorce of the countryside from the others. (Sp) *Cult. Mod.* 49(6):213-214. June 1966. 15 C89
Rural-urban relations.
- 692 JORDAN, M. F., and GOLDEN, J. F. Aspirations and capabilities of rural youth. *Ark. Farm Res.* 15(4):9. July/Aug. 1966. 100 Ar42F
- 693 MACKLIN, E. Striving for independence. *Cornell Univ. Ext. Cornell Ext. Bull.* 1165,19 p. Ref. Aug. 1966. 275,29 N48E
Child psychology.
- 694 MOON, S. G., and MCCANN, G. C. Subregional variability of adjustment factors of rural families in the South. *Southern Coop. Ser. Bull.* 111,45 p.,map. Ref. Jan. 1966. 100 G29So
Agricultural Experiment Stations of Alabama, Florida, Kentucky, Louisiana, Mississippi, North Carolina, Tennessee, and Texas; and U. S. Department of Agriculture, cooperating.
- 695 SIZER, L. M., and CLIFFORD, W. B. Rural industrialization: a case study in educational values and attitudes. W. Va. Agr. Exp. Sta. Bull. 521,48 p. Mar. 1966. 100 W52
- 696 SMITH, D. H. Comparison of self-reported participation in formal voluntary organizations with ratings by organization leaders. *Rural Sociol.* 31(3):362-365. Sept. 1966. 281,28 R88
- 697 WADSWORTH, H. A., and CONRAD, J. M. Impact of new industry on a rural community. *Ind. Agr. Exp. Sta. Res. Bull.* 811,14 p. Ref. July 1966. 100 In2P
Social adjustments.

TRADE, FOREIGN AND INTERNATIONAL

- 698 THE AFRICAN and Malagasy market, 5th edition, 1965. (Fr) *Marches Trop. Mediter.* 22 (1054):163-353. Jan. 22, 1966. 286,8 M33
Food and farm supplies included.
- 699 AHLUWALIA, C. S. Bright prospects for expansion of Indo-Canada trade. *J. Indus. Trade* 16(5):575-576. May 1966. 286,8 J824
- 700 AMELUNG, J. A brake on Netherlands exports of cocoa butter. (Du) *Econ.-Statist. Ber.* 51 (2560):977-979. Sept. 21, 1966. 280,8 Ec722
- 701 ANSARI, M. H. Indo-Moroccan trade. *J. Indus. Trade* 16(5):613-614. May 1966. 286,8 J824
Tea and tobacco included.
- 702 AUWERA, G. V. The good Belgian grape. (Fl) *Tuinbouwberichten* 30(9):312-313. Sept. 1966. 80 T917
Chiefly import and export.
- 703 BANANA handling and processing. *Int. Fruit World* 25(2):378,381,383-384,387-388. Summer 1966. 286,83 F9426
Text also in French and German.
Prior to trade.
- 704 BELL, R. The International [Coffee] Agreement—its results and consequences. (Fr) *Cafe Vert* 193(spec.no.):9,11. 1966. 286,3689 F31
- 705 BERLET, R. J. L. Rumania pushes industrial progress. *Foreign Trade* 126(5):29-32. Sept. 3, 1966. 286,8 C162
Trade.
- 706 BERLET, R. J. L. Yugoslavia moves towards market socialism. *Foreign Trade* 126(5):32-35. Sept. 3, 1966. 286,8 C162
Trade outlook with Canada.
- 707 BHATNAGAR, S. K. S. Prospects for Indo-Swedish trade. *J. Indus. Trade* 16(5):621-623. May 1966. 286,8 J824
- 708 BORTHWICK, J. T. The world meat trade and the U.K. market. *Oxford Farming Conf. Rep. Proc.*, 19th Conf.:93-97. 1965. 5 Ox22
- 709 BRORSON, V. Current marketing problems for agricultural products. (Da) *Tolvmands-bladet* 38(7):379-388. July 1966. 11 T58
Chiefly export.
- 710 BUYS, M. J. The objectives of the International [Coffee] Agreement. (Fr) *Cafe Vert* 193(spec. no.):23. 1966. 286,3689 F31
- 711 CAMEROON. SERV. DE LA STATISTIQUE GENERALE. Statistiques douanieres Cameroun oriental, 2eme semestre 1965, et annee 1965 [Customs statistics, eastern Cameroon, 2d half 1965 and year 1965]. n.p., 1966. 202 p. 270 C143
- 712 CANARY Island growers and exporters face facts and look to the future. *Int. Fruit World* 25 (2):256,259-260,263,265-266,269. Summer 1966. 286,83 F9426
Text also in French and German.
Includes vegetables.
- 713 CCA'S [California Cattleman's Association] Will Gil Jr. speaks to Interim Committee On Agriculture. *Calif. Cattleman* 49(2):12-13. Feb. 1966. 43,8 C12
Inspection and quality of meat from foreign lands entering California and other parts of the United States.
- 714 CORLEY, J. R. U.S. agricultural exports, 1954-1966. U. S. D. A. Econ. Res. Serv. *Foreign Agr. Trade U. S.*, Oct. 1966:13-17. A286,9 Ag8
- 715 CROWLEY, J. P. A new method of increasing cattle exports; breeding more beef heifers. *Farm Res. News* 7(1):12-14. Jan./Feb. 1966. 10,5 F223
Ireland.
- 716 DATAR, A. B. Trade with Italy. *J. Indus. Trade* 16(5):605-608. May 1966. 286,8 J824
India.
- 717 DAVIS, H. J. Institutions and conditions of world trade. *Great Plains Agr. Council. Proc.* 1966:43-50. 282,9 G7992
- 718 DEMEIRE, P. The 1962 Coffee Agreement, has it realized its objectives? (Fr) *Cafe Vert* 193 (spec.no.):7. 1966. 286,3689 F31
- 719 DERWAELE, F. A. MENEVE, I., and NICO-LAUS, L. Etude des debouches des azalees, II. Exportations d'azalees par pays de destination [Study of the Azalea market, II. Exports of azalees by country of destination]. Brussels. *Inst. Econ. Agr. Cah. I.E.A.* 41(R-15), 106 p. Dec. 1965. 281,9 B32
- 720 DESAI, S. H. Trade with Tunisia: review and prospects. *J. Indus. Trade* 16(5):631-632. May 1966. 286,8 J824
India.
- 721 DHAWAN, Y. R. British Columbia, a potential market for Indian goods. *J. Indus. Trade* 16 (5):569-570. May 1966. 286,8 J824
- 722 DMOCHOWSKI, M. Main trends of Polish trade with European socialist countries during 1966-1970. U. S. Joint Publ. Res. Serv. *Transl. East Europe. Foreign Trade* 293:14-20. Sept. 14, 1966. (JPRS 37,611; TT 66-34039) 173 J663Tree
Translation from *Sprawy Miedzynarodowe* 6: 12-21. June 1966.
- 723 DUE, J. M. Changes in incomes and imports of consumer goods in Sierra Leone. *Ill. Agr. Exp. Sta. Bull.* 719,63 p.,map. Ref. Aug. 1966. 100 IL68
- 724 DUMONT, J. The International Coffee Agreement. (Fr) *Cafe Vert* 193(spec.no.):17. 1966. 286,3689 F31
- 725 EAST PAKISTAN. BUR. OF STATISTICS. Foreign trade of East Pakistan (1961-62 & 1962-63). Dacca, 1965. 514 p. HF240,52 E3A3
- 726 EL SALVADOR. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Anuario estadistico. Volumen I. Comercio exterior [Statistical annual. Volume I. Foreign trade], 1964. 724 p. 254 Sa52

- 727 FIELD, B. C. Import competition in fruits and vegetables. Nat. Comm. Food Marketing. Tech. Stud. 4(sup.1), 108 p. June 1966. HD9001.A3
- 728 FIJI, COMMERCE AND INDUSTRIES OFF. Trade report for the year 1965. Suva, 1966. 195 p. (Fiji. Legislative Council, Council Paper No. 6 of 1966). 256.02 F47
- 729 FITZSIMMONDS, R. S. U.S. demand spurs growth in Mexico's canned pineapple industry. Foreign Agr. Incl. Foreign Crops Markets 4 (39):7-8. Sept. 26, 1966. A281.9 F76Fo
- 730 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Trade of major non-reporting countries—supplement to the 1964 "Trade Yearbook." Food Agr. Organ. UN. Suppl. Econ. Statist. 3, 34 p. Nov. 1965. HD9000.4.F6
- 731 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. LEGISLATION RESEARCH BR. Movement of animal semen in international trade: regulations of various countries concerning the importation, exportation, collection, preservation and use of semen, and related questions. Food Agr. Organ. UN. Anim. Health Br. Monogr. 8, 147 p. 1966. 41.9 F732An
Animal Health Branch, cooperating.
- 732 FOOD for Peace Program charts. Washington, 1966? 17 charts. HD9006.F6
- 733 FREEMAN, B. I. Growers stimulate red tart cherry sales to Western Europe. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 68-70. 1966. A280.39 C76
- 734 GAZTAMBIDE ARRILLAGA, C. History of the importation of dairy bulls by the Agricultural Extension Service. (Sp) Puerto Rico. Univ. Ext. Circ. 65, 13 p., map. Oct. 1965. 275.29 P96Civ
- 735 GERRISH, W. C. Big drive to sell our butter in U.K.; European production up. Dairyfarming Dig. 13(3):27-28. May/June 1966. 44.8 D1443
Australia.
- 736 GRENADA. Annual overseas trade report for the year 1963. St. George's, 1966. 161 p. 254.8 G862
- 737 HABERLAND, H. Lessons derived from the 1962 International Coffee Agreement. (Fr) Cafe Vert 193(spec.no.):13. 1966. 286.3689 F31
- 738 HAKSAR, A. N. D. Increase in Indo-Belgian trade. J. Indus. Trade 16(5):565-568. May 1966. 286.8 J824
- 739 HANSEN, K. D. Import protection for agriculture. (Da) Tolvmandsbladet 37(11):531-532. Nov. 1965. 11 T58
- 740 HARASIM, E. Exports of animal products and imports of grains and seed. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 293:1-13. Sept. 14, 1966. (JPRS 37,611; TT 66-34039) 173 J663Tree
Translation from Handel Zagraniczny 11(7): 292-297. 1966.
- 741 HARTLEY, H. J. Opportunities of marketing cooperatives in foreign trade. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 63-67. 1966. A280.39 C76
Fruits and vegetables.
- 742 HEISELBERG, V. Denmark alone in the Common Market. (Da) Tolvmandsbladet 36(9):466-470. Sept. 1966. 11 T58
- 743 HEJMADI, D. Volume of Indo-USSR trade rises. J. Indus. Trade 16(5):643-647. May 1966. 286.8 J824
- 744 HILL, G. M. France has growing demand for imported products. Australian Food Manufacturer Distributor 36(1):56, 58. Aug. 11, 1966. 389.8 Au7
- 745 HUSSAIN, R. S. Ceylon—potential market for non-traditional items. J. Indus. Trade 16(5): 578-580. May 1966. 286.8 J824
Trade with India.
- 746 IOANES, R. A. Opportunities of marketing cooperatives in foreign trade. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 53-62. 1966. A280.39 C76
- 747 IRAQ, CENTRAL BUR. OF STATISTICS. FOREIGN TRADE SECT. Summary of foreign trade statistics, 1964. n.p., 1965. 19 p. 269.8 Ir13S
- 748 ISRAEL, CENTRAL BUR. OF STATISTICS. Israel's foreign trade. Part I. General summary; exports and imports by commodity, 1965. Jerusalem, 1966. 219 p. (Special Series No. 201) 269.8 Is7I
- 749 ISRAEL, CENTRAL BUR. OF STATISTICS. Israel's foreign trade. Part II. Exports, 1965. Jerusalem, 1966. 299 p. (Special Series No. 202) 269.8 Is7I
Text also in Hebrew.
- 750 ISRAEL, CENTRAL BUR. OF STATISTICS. Israel's foreign trade. Part III. Imports, 1965. Jerusalem, 1966. 277 p. (Special Series No. 203) 269.8 Is7I
- 751 ITALY, ISTITUTO CENTRALE DI STATISTICA. Statistica annuale del commercio con l'estero 1964 [Annual statistics of foreign trade 1964]. Roma, 1966. 389 p. 261 It5Co
- 752 KALLEMEYN, N. R. U.S. agricultural imports increased 12 percent in fiscal 1965-66. U. S. D. A. Econ. Res. Serv. Foreign Agr. Trade U. S., Oct. 1966:5-12. A286.9 Ag8
- 753 KHAN, R. A. Australia: trade prospects bright. J. Indus. Trade 16(5):561-563. May 1966. 286.8 J824
- 754 KOFFLER, P. Exporting better wool. Far East. Econ. Rev. 53(11):496-497. Sept. 15, 1966. 280.8 F22
Australia.
- 755 LE FUR, R. Abundance of goods sometimes is harmful. (Fr) Cafe Vert 193(spec.no.):31. 1966. 286.3689 F31
On the International Coffee Agreement.
- 756 LIST, G. How far has the 1962 International Coffee Agreement attained its purpose? (Fr) Cafe Vert 193(spec.no.):15, 27. 1966. 286.3689 F31
- 757 MAGDANZ, D. Association watches increased meat imports. Livestock Feeder 13(11):4. Sept. 1966. 49 L759
- 758 MANI, A. S. Exports to Nigerian market. J. Indus. Trade 16(5):616-617. May 1966. 286.8 J824
India.
- 759 MANUCHA, R. K. Changing pattern of trade with Iran. J. Indus. Trade 16(5):599-602. May 1966. 286.8 J824
India.
- 760 MARTIN, L. J. Chile could be an outlet for equipment and bulk foods. Australia. Dep. Trade Indus. Overseas Trading 18(16):376-379. Aug. 19, 1966. 286.9 Au7
- 761 MCKERNAN, J. F. Propositions with a view to revising the International [Coffee] Agreement. (Fr) Cafe Vert 193(spec.no.):21, 27. 1966. 286.3689 F31
- 762 MEETING of the FAO Banana Study Group. Int. Fruit World 25(2):363-364, 367, 369-370, 373-374, 377. Summer 1966. 286.63 F9426
Text also in French and German.
World banana trade.
- 763 MINER, W. M. Canada's problems selling cereals to the British. Northwest. Miller 273 (10):38-40. Oct. 1966. 298.8 N81
- 764 NEVILLE, P. N. Marked rise in trade turnover with Poland. J. Indus. Trade 16(5):619-620, 623. May 1966. 286.8 J824
India.
- 765 NEWMAN, A. S. The results of the International Coffee Agreement. (Fr) Cafe Vert 193 (spec.no.):19. 1966. 286.3689 F31
- 766 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Commodity trade; analysis by main regions, Jan.-December 1965. 1-6. v. Paris, 1966. (Statistical Bulletins, Foreign Trade, Series B, Analytical Abstracts) 286.9 Or320b
1. Belgium—Luxembourg, France, Germany, Denmark; 2. Austria, Japan, Netherlands, Spain; 3. Iceland, Norway, Sweden, Switzerland; 4. Greece, Ireland, Turkey, United Kingdom; 5. Canada, Italy, Portugal, United States; 6. O.E.C.D. total, O.E.C.D. Europe, E.E.C., E.F.T.A.
Text also in French.

- 767 PALMBY, C. D. Our market abroad. Nat. Inst. Anim. Agr. Proc., 15th Conf.:103-106. 1965. 49.9 N219
- 768 PALOS, I. Agricultural products in the foreign trade turnover. (Hu) Statist. Szemle 44(7): 686-698. July 1966. 266.5 St2M
English summary.
- 769 PARALUTA, N. Intensification of the process of monopolization in the Common Market countries. (Rum) Probl. Econ. [Bucharest] 19(5): 85-96. May 1966. 280.8 P947
English summary, p.172.
- 770 PARAN, M. Euromart threat to orange exports. Agr. Israel 11(3):47. Dec.1965. 22.5 Ag825
- 771 PETERNEL, M. Export in the economics of livestock. (Sl) Soc. Kmetijstvo Gozdarstvo 16 (16):387-390. Nov.13,1965. 21.5 Sol4
- 772 QUIGNON-FLEURET, E. Banana production of the Free Zone in relation to international competition. (Fr) Cameroun Agr. Past. Forest. 96:59-63. Mar.1966. 24 C353
- 773 RANGANATHAN, R. Bright prospects for raising exports to Switzerland. J. Indus. Trade 16(5):625-626. May 1966. 286.8 J824
Indian tea and coir included.
- 774 RATIONALISATION of the production of cider apples and pears. Int. Fruit World 25(2):85-86. 89,91. Summer 1966. 286.83 F9426
Text also in French and German.
Export policies in France.
- 775 REPUBLIC OF SOUTH AFRICA. DEPT. OF CUSTOMS AND EXCISE. Foreign trade statistics. Volume II. Supplementary trade statements (including excise tables), calendar year, 1964. Pretoria, 1966? 367 p. 270 S83A
Text also in Afrikaans.
- 776 RICE, G. P. Caribbean Free Trade Association to become effective soon. Foreign Agr. Incl. Foreign Crops Markets 4(38):8. Sept.19, 1966. A281.9 F76Fo
- 777 RICE, G. P. Current trends in international liquidity. U. S. D. A. Econ. Res. Serv. Foreign Gold Exch. Reserves, Dec.1965, 16 p. A284.9 Ag842
- 778 ROSSITER, F. Rosin export slump continues. Nav. Stores Rev. Terpene Chem. 76(4):8-9. July 1966. 99.81 N22
- 779 SANTOS, N. DOS. Overseas fruit in national fruit trade. (Por) Gaz. Agr. Angola 11(7): 1194-1197,1214. July 1966. 24 G252
- 780 SCHNITTKER, J. A. Today's farm policy geared to revolution in production; moving out of the stalemate of the 1950's, our present farm policy is largely dictated by exploding opportunities in world agricultural markets. Foreign Agr. Incl. Foreign Crops Markets 4 (38):3-5. Sept.19,1966. A281.9 F76Fo
- 781 SCHUTJER, W. A. Foreign agricultural trade review. Penn. State Univ. Coop. Ext. Work Agr. Home Econ. Farm Econ., Sept.1966, 4 p. 275.28 P38
- 782 SHAPIRO, B. S. A look at LAFTA. Foreign Trade 126(4):56. Aug.20,1966. 286.8 C162
Venezuela's entry into the Latin American Free Trade Association.
- 783 SHARMA, K. N. Trade prospects with Japan. J. Indus. Trade 16(5):609,612. May 1966. 286.8 J824
Chiefly Indian tea.
- 784 SHEPHERD, R. E. Dutch research foresees steep decline in EEC [European Economic Community] grain imports by 1970. Foreign Agr. Incl. Foreign Crops Markets 4(38):5-7. Sept.19,1966. A281.9 F76Fo
- 785 SINGAPORE. DEPT. OF STATISTICS. Malaya, Singapore and the States of Malaya: External trade statistics (excluding trade between Singapore and the States of Malaya) October to December 1965 and twelve months ended December 1965. Singapore, 1966. 963 p. 269.6 B77
- 786 SINGAPORE INTERNATIONAL CHAMBER OF COMMERCE. Annual report, 1965. Singapore, 1965. 142 p. 287 S16R
Includes statistics of trade in agricultural products.
- 787 SINGH, H. K. Growing Indo-U.S. trade. J. Indus. Trade 16(5):637-641. May 1966. 286.8 J824
- 788 SORENSON, V. L. Foreign trade policies in western Europe. Mich. State Univ. Ext. Mich. Farm Econ. 284,4 p. Sept.1966. 275.29 M58A
- 789 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Aussenhandel, 1965, I/XII, Export, Analytische Übersichten, January-Dezember [Foreign trade, 1965, I/XII, Exports, Analytical review, January-December], Luxembourg, 1966. 776 p. 286.9 St2S
Text also in French.
- 790 SURVEY of the world banana trade. Int. Fruit World 25(2):135-136,139-140,143,145-146,149-150,153,155-156,159,161,163. Summer 1966. 286.83 F9426
Text also in French and German.
- 791 THOMAS, M. U.S.S.R. sets its economic goals. Foreign Trade 126(5):5-8. Sept.3,1966. 286.8 C162
Chiefly trade outlook.
- 792 TIMBER TRADE FEDERATION OF THE UNITED KINGDOM. Analysis of U.K. timber imports by ports of entry together with Irish Republic, 1965 (including comparable figures for 1938, 1963 and 1964). London, 1965. 3 p. 99.9 T483A
- 793 TOGO. SERV. DE LA STATISTIQUE GENERALE. Bulletin de statistique [Statistical bulletin], 1965. Lome, 1966. 145 p. 270 T572
Trade statistics.
- 794 TURKEY. DEVLET İSTATİSTİK ENSTİTUSU. Dis ticaret yıllık istatistik. Seri: 1. Özel ticaret: madde ve memleketer itibariyle ithalat ve ihracat [Annual statistics of foreign trade. Series 1. Special trade: imports and exports by commodities and countries] 1963/1964. Ankara, 1966. 625 p. 269.9 St2Ca
Text also in French.
- 795 VANHORICK, F. F. J. The International Coffee Agreement and its objectives. (Fr) Cafe Vert 193(spec.no.):3. 1966. 286.3689 F31
- 796 VENKATARAMAN, S. Expansion of Indo-Hungarian trade. J. Indus. Trade 16(5):596-597. May 1966. 286.8 J824
- 797 WEST German imports of citrus and tropical fruits. Int. Fruit World 25(2):197-198,201-202, 205,207-208,211-212,215-216,219,221-222,225, 227,229,231-232,235,237-238,241-242,245-246. Summer 1966. 286.83 F9426
Text also in French and German.
- 798 WEST Germany, a true "common" market. Int. Fruit World 25(2):165-166,169,171-172, 175-176,179-180,183,185-186,189,190,193-194. Summer 1966. 286.83 F9426
Text also in German and French.
Includes vegetables.
- 799 WILSON, J. C. The International Coffee Agreement; purpose and reality. (Fr) Cafe Vert 193(spec.no.):5. 1966. 286.3689 F31
- 800 WILLAHAN, L. T., and RUBBECK, J. P. Record world wheat crop will relieve short supplies; the big world wheat crop in prospect this year will be ample for world import needs, which are expected to show a small decline. Foreign Agr. Incl. Foreign Crops Markets 4 (39):3-5,15. Sept.26,1966. A281.9 F76Fo
- 801 WILSON, C. F. Canada's trade relations with Eastern Europe. Foreign Trade 126(5):2-4. Sept.3,1966. 286.8 C162
Includes outlook.
- 802 WOOD, F. I. Czechoslovakia modifies state planning. Foreign Trade 126(5):14-16. Sept.3, 1966. 286.8 C162
To stimulate foreign trade and improve agriculture; includes trade with Canada.

- 803 WOOD, F. I. Hungary begins third plan. Foreign Trade 126(5):25-27. Sept.3,1966. 286.8 C162
On industry, agriculture, and foreign trade.
- 804 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Saobracaj i verze [Transportation and communications], 1964. Beograd, 1965. 156 p.,map. 266.9 Sa95
Includes agricultural products.

- 805 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Statistika spoljne trgovine SFR Jugoslavije za 1965. godinu. Statistics of foreign trade of the SFR Yugoslavia, year 1965. Beograd, 1966. 526 p. 269.54 M27

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 806 ABBAS, M. Freedom from Hunger. Int. Ass. Seed Crushers. Congr. 1966:25-28. 307.9 1n8
- 807 ARANGO TAMAYO, F. Agricultural prospects for 1966. II. (Sp) Rev. Nac. Agr. 60(736):17-20. Aug. 1966. 94 R32
Outlook for various agricultural products in Colombia.
- 808 BAADE, F. Developed and under-developed countries in the world fight against hunger. Int. Ass. Seed Crushers. Congr. 1966:28-33. 307.9 1n8
- 809 BORGSTROM, G. The hungry planet; the modern world at the edge of famine. New York, Macmillan, 1965. 487 p. Ref. HD9000.5.B5
- 810 CANNER/PACKER, Equipment & supplies directory. Canner/Packer 135(10):53-112. Sept. 25, 1966. 286.83 C16
- 811 DELP, G. C. The equipment industry' stake in resource development. Nat. Ass. Soil Water Conserv. Dist. Proc., 20th Annu. Conv.:48-53. 1966. 56.9 N212A
Chiefly population and food supply.
- 812 EUROPEAN ECONOMIC COMMUNITY. COMMISSION. Comparaison entre les "trends" actuels de production et de consommation et ceux prévus dans l'étude des perspectives "1970": 1. Produits laitiers, 2. Viande bovine, 3. Cereales [Comparison between present "trends" in production and consumption and those forecast in the "1970": 1. Dairy products, 2. Beef, 3. Grains]. Europe. Econ. Community. Inform. Internes Agr. 7, 248 p. June 1966. 281.9 Eu71
- 813 FARRIS, P. L. Economics and future of the starch industry. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.23-41. 1965. TP415.W5
Review of the literature.
- 814 GARCIA OLIVER, P. Population explosion, food requirements, and agricultural production. (Sp) Bolsa Com. Rosario. Rev. 56(1309):3-8. Aug. 15, 1966. 287 R71
- 815 COULD, P. Appraising investment values today in the vital food industry. Mag. Wall St. 119(3):120-123, 138-139. Oct. 15, 1966. 286.8 M27
- 816 HORAN, F. E. Contribution of non-animal proteins and fats. Nat. Inst. Anim. Agr. Proc., 15th Conf.:53-60. Ref. 1965. 49.9 N219
Includes consumption.
- 817 HUTCHINSON, J., and FOSTER, P. W. Foreign donations of American agricultural abundance by voluntary agencies, 1950-1964. Md. Agr. Exp. Sta. Misc. Publ. 570, 25 p., map. Ref. June 1966. 100 M36M
Under Food for Peace Program.
- 818 HYDE, A. D. Food and economic growth. Nat. Ass. Soil Water Conserv. Dist. Proc., 20th Annu. Conv.:34-37. 1966. 56.9 N212A
In relation to population.
- 819 JOHNSON, D. G. The crisis of hunger? Tractor Farming, Fall 1966:5. 58.8 T672
In relation to population.
- 820 KARKI, R. M. Plantation crops in North Kanara. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p.14-20. 1965. S471.14K3
- 821 KOIVISTOINEN, P. Observation of teaching and research in the food science field at the American Universities. (Fi) Suomen Kem. A, 39(7/8):143-146. 1966. 385 Su7
- 822 KOMAR, I. V. Dynamics and structure of utilization of natural resources in USSR. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 3:30-42. Ref. May/June 1966. 331.9 Ak12
Includes agricultural raw materials; statistical comparison between USA and USSR.
- 823 KOPPALKAR, S. S. Agro-industries in North Kanara. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p.21-28. 1965. S471.14K3
- 824 SCHIOPU, B. Development of the food industry in the period 1966-1970. (Rum) Probl. Econ. [Bucharest] 19(8):17-27. Aug. 1966. 280.8 P947
English summary, p.168.
- 825 SCHIOPU, B. The food industry during the Five-Year Plan—high quality indices for all food products. U. S. Joint Publ. Res. Serv. Transl. East, Europe, Agr. Forest, Food Indus. 476:1-7. Sept. 19, 1966. (JPRS 37,713; TT 66-34141) 173 J663St6
Romania.
Translation from Viata Economica 4(29):3. July 22, 1966.
Issued by CFSTI.
- 826 SCOTT, F. Multnomah food stamp program. Nutr. News [Chicago] 28(3):10. Oct. 1966. 389.8 N959
- 827 SEN, B. R. Fight against hunger. (Ge) Molk.-Kaserei-Zeitung 17(26):964. June 29, 1966. 44.8 M736
Freedom-from-Hunger Campaign.
- 828 SILC, J., and others. Plant production under new economic conditions. (Sl) Soc. Kmetijstvo Gozdarstvo 16(15):365-366. Oct. 28, 1965. 21.5 Sol4
J. Spanning, V. Repansek, and J. Korosec, joint authors.
Field crops.
- 829 STATE BANK OF PAKISTAN. Annual report, 1965-66. Karachi, 1966. 63 p. 284.9 St23A
Includes the food and agricultural credit situations.
- 830 STEIKHARDT, H. Situation and outlook of catch crop production in the D.D.R. (Ge) Feldwirtschaft 7(6):286-289. Ref. June 1966. 18 W763
- 831 THOMA, J. A., and STEWART, L. Cycloamyloses. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.209-249. 1965. TP415.W5
Review of the literature.
- 832 U. S. DEPT. OF AGRICULTURE. Protecting our food; the yearbook of agriculture, 1966. Washington, 1966. 386 p. Ref. 1 Ag84Y
Foreword by O. L. Freeman; preface by J. Hayes.
Plant and livestock pest and disease control, and food storage, marketing, processing, and regulation.
- 833 WARE, T. M. The many-sided world food problem needs many combinations of answers. Foreign Agr. Incl. Foreign Crops Markets 4(37):3-4. Sept. 12, 1966. A281.9 F76Fo
- 834 WEST, Q. M. World food balance and U.S. role in meeting needs. Great Plains Agr. Council. Proc. 1966:31-41. Feb. 28, 1966. 37992
Includes the Food for Freedom Program.
- 835 WHISTLER, R. L. Starch—its past and future. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.1-9. 1965. TP415.W5
Review of the literature.
- 836 WRIGHT, SIR N. C. Food and the future. Nutrition 20(3):99-104. Autumn 1966. 389.8 N959
In relation to population.
- 837 YTTTERBORN, G. R. The struggle against poverty and hunger in the world. (Sw) Jordbruksekons. Medd. 28(7/8):175-186. July/Aug. 1966. 257.3 J76
English summary, p.174.

ANALYSIS AND COMPOSITION

- 838 BEMILLER, J. N. Acid hydrolysis and other lytic reactions of starch. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.495-520. 1965. TP415.W5
Review of the literature.
- 839 BEMILLER, J. N. Alkaline degradation of starch. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.521-532. 1965. TP415.W5
Review of the literature.

- 840 CALZOLARI, C., CERMA, E., and LOKAR, L. C. Applications of chromatographic methods in the analysis of food product components. (It) *Rass. Chim.* 18(2):73-88. Mar./Apr. 1966. 385 R18
Bibliography, p.81-88.
- 841 CALZOLARI, C., CERMA, E., and LOKAR, L. C. Application of chromatographic methods in the analysis of food product constituents. (It) *Rass. Chim.* 18(4):182-192. July/Aug. 1966. 385 R18
Bibliography, p.187-192.
- 842 CASU, B., and REGGIANI, M. Conformation of amylose and its derived products. I. *Starke* 18(7):218-229. Ref. July 1966. 309 St22
Infrared spectra.
- 843 CONDON, P. A. Activated charcoal, 1953-1964; a list of selected references. U. S. Natl. Agr. Libr. Lib. List 82,51 p. May 1966. 1.916 L612
- 844 DEBIARD, R., and DUPRAZ, M. L. The determination of fluorine in plants by microdiffusion. (Fr) *Chim. Analyt.* 48(7):384-387. Ref. July 1966. 383 An72
English summary.
- 845 FOSTER, J. F. Physical properties of amylose and amylopectin in solution. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.349-391. 1965. TP415.W5
Review of the literature.
- 846 GIOLITTI, G., and CANTONI, C. A medium for the isolation of staphylococci from foodstuffs. *J. App. Bacteriol.* 29(2):395-398. Ref. Aug. 1966. 448.39 So12
- 847 GRACZA, R. Minor constituents of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.105-131. 1965. TP415.W5
Review of the literature.
- 848 GREAT BRITAIN. MINISTRY OF TECHNOLOGY. Pesticide residue analysis; research on air pollution. London, 1965. 12 p. TX571.P467
Royal Society of Health Exhibition, Eastbourne, 26th-30th April, 1965.
Includes food analysis.
- 849 GROOM, R. A., and STRONG, D. H. Sporulation of *Clostridium perfringens* (welchii) in four laboratory media. *J. App. Bacteriol.* 29(2):308-318. Ref. Aug. 1966. 448.39 So12
- 850 HAMENCE, J. H. Pesticides residues—the public analysts' point of view. *Chem. Indus.* 29:1255-1261. July 16, 1966. 382 M31C
In foods.
- 851 HOCH, V., and LASZLO, V. Introduction of a sensitive method for rapid diagnosis in food bacteriology. (Ge) *Zentralbl. Bacteriol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 200(3):394-397. July 1966. 448.3 C35
English summary.
The detection of *Salmonella typhimurium* in food.
- 852 HOLM, N. W., and JARRETT, R. D. An evaluation of dosimetry procedures applicable for use in food irradiation. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:361-382. Ref. 1965. TX611.5 R3
- 853 HORTON, D. Pyrolysis of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.421-437. 1965. TP415.W5
Review of the literature.
- 854 HUSSELS, H. Quantitative studies of food infected with staphylococci. (Ge) *Gesundheitswesen Desinfekt.* 58(4):53-56. Apr. 1966. 449.8 Z36P
- 855 JOLY, M. A physico-chemical approach to the denaturation of proteins. London, Academic Press, 1965. 350 p. Ref. (Molecular Biology; an International Series of Monographs and Textbooks, v.6) QD431.36
- 856 JOPPIEN, P. H. Identification and determination of vanillin and ethyl vanillin in foods. 16 p. Transl. 16070
Translation from *Zeitschrift für Lebensmittel-Untersuchung und Forschung* 115(1):20-26. 1961.
- 857 LEACH, H. W. Gelatinization of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.289-307. 1965. TP415.W5
Review of the literature.
- 859 MOZERSKY, S. M., PETTINATI, J. D., and KOLMAN, S. D. An improved method for the determination of orthophosphate suitable for assay of adenosine triphosphatase activity. *Anal. Chem.* 38(9):1182-1187. Ref. Aug. 1966. 381 J825A
- 859 MYERS, R. R., and KNAUSS, C. J. Mechanical properties of starch pastes. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.393-407. 1965. TP415.W5
Review of the literature.
- 860 NANGNIOT, P. Rapid polarographic determination of selenium in plants. (Fr) *J. Electroanal. Chem.* 12(3):187-193. Ref. Sept. 1966. 385 J824
English summary.
- 861 PAZUR, J. H. Enzymes in synthesis and hydrolysis of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.133-175. 1965. TP415.W5
Review of the literature.
- 862 PETER, G., and TUCHSCHEERER, T. On the determination of calcium and potassium in foods with variable matrix. I. Determination with the aid of Röntgen fluorescence. (Ge) *Z. Anal. Chem.* 220(5):351-359. 1966. 384 Z3
Pire, F. R. S. The merits of food proteins from novel sources. *Sci. Progr. [Oxford]* 54(215):401-412. Ref. Autumn 1966. 472 Sci22
- 864 RICHTER, M., and STROH, H. H. The fractionation of starch carbohydrates by paper chromatography. V. (Ge) *Starke* 18(7):205-207. July 1966. 309 St22
- 865 ROBERTS, H. J. Nondegradative reactions of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.439-493. 1965. TP415.W5
Review of the literature.
- 866 RODRIGUES, J. A. R. Control of vitamins in food products. (Por) *Rev. Brasil. Quim. (Cienc. Indus.)* 61(364):265-272. Apr. 1966. 385 R322
Analysis.
- 867 RUTTLUFF, H., and others. Enzymatic determination of starches in dietetic foods. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(4):201-212. Ref. 1966. 384 Z39
M. Rothe, R. Fries, and F. Schierbaum, joint authors.
- 868 SIMPSON, G. R., and BLAY, R. A. Rapid method for the determination of the metals copper, zinc, tin, iron and calcium in foodstuffs by atomic absorption spectroscopy. *Food Trade Rev.* 36(6):35-37. Aug. 1966. 589.8 F7334
- 869 THOMA, J. A. The oligo- and megalosaccharides of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.177-208. 1965. TP415.W5
Review of the literature.
- 870 THOMAS, C. T., WHITE, J. C., and LONGREE, K. Thermal resistance of salmonellae and staphylococci in foods. *Appl. Microbiol.* 14(5):815-820. Ref. Sept. 1966. 448.3 Ap5
Salmonella senftenberg and *Staphylococcus aureus*.
- 871 WHISTLER, R. L. Fractionation of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.331-347. 1965. TP415.W5
Review of the literature.
- 872 WHISTLER, R. L., and PASCHALL, E. F., ed. *Starch: chemistry and technology*, Volume I. Fundamental aspects. New York, Acad. Press, 1965. 579 p. TP415.W5
Review of the literature.
- 873 WOLFROM, M. L., and EL KHADEM, H. Chemical evidence for the structure of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.251-278. 1965. TP415.W5
Review of the literature.

- 874 ZASLOW, B. Crystalline nature of starch. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.279-287. 1965. TP415.W5
Review of the literature.

CONSUMPTION AND UTILIZATION

- HEMBREE, H. W., and BURT, T. B. Troop-acceptance testing of irradiated foods. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:109-119. 1965. TX611.5.R3
- 875 HIEMSTRA, S. J., and EKLUND, H. M. Food expenditures in 1960-61. U. S. D. A. Econ. Res. Serv. Nat. Food Situation. NFS 117:37-50. (Cont.) Ref. Aug.1966. 1.941 S2F73
- 876 MCWHINNEY, I. Patterns of family spending. Can. Home Econ. J. 16(3):63,79. Sept.1966. 321.8 C162
Includes food.
- 877 U. S. DEPT. OF AGRICULTURE. A consumer's guide to USDA services. U. S. D. A. Misc. Publ. 959,49 p. Ref. June 1966. 1 Ag84M
Includes publications.
- 878 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. U. S. food consumption, sources of data and trends, 1909-63; supplement for 1965. U. S. D. A. Statist. Bull. 364, 32 p. Sept.1966. 1 Ag84S
- 880 WHITE, L. S., and JOHNSON, B. J. Use of electric housewares and convenience foods. J. Home Econ. 58(8):675-677. Oct.1966. 321.8 J82

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 881 BEEM, E. R., and OXENFELDT, A. R. A diversity theory for market processes in food retailing. J. Farm Econ. 48(3,pt.2):69-95. Ref. Aug.1966. 280.8 J822
- 882 BIRD, K. Ketchup for a small boy: the marketing marvel. U. S. D. A. Yearbook Agr. 1966: 92-101. 1 Ag84Y
- 883 BOLES, P. P., OVERHEIM, R. K., and DO-DRILL, R. Wholesale food distribution facilities for Huntington, West Virginia. U. S. Agr. Res. Serv. ARS-52-(n.s.)13,33 p.,map. Aug. 1966. A289.9 R31
West Virginia University, Cooperative Extension Service, cooperating.
- 884 BRANDOW, G. E. Scope and purpose of the National Commission on Food Marketing. Nat. Inst. Anim. Agr. Proc., 15th Conf.:77-80. 1965. 49.9 N219
- 885 BRINEGAR, C. K., and BAKER, C. B. Welfare gains and changes in food procurement. J. Farm Econ. 48(3,pt.2):96-110. Ref. Aug.1966. 280.8 J822
Economic model for estimating income gain.
- 886 BROUILLETTE, L. P., and FITZGERALD, G. A. Procurement of foods by grocers. II. Design of a self-dressing display rack. Mass. Univ. Ext. Publ. 428-A,28 p. Ref. Apr.4,1965. 275.29 M381L
Published jointly with Massachusetts Agricultural Experiment Station.
- 887 BUNJE, R. B. Critical problems in cooperative bargaining (the legal climate for the growth of cooperative bargaining). Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 20-26. 1966. A280.39 C76
- 888 CLAYTON, J. E. Shipping, handling, and "T.L.C." U. S. D. A. Yearbook Agr. 1966:118-122. 1 Ag84Y
Food.
- 889 CONSEJO DE BIENESTAR RURAL. OFICINA DE ESTUDIOS ESPECIALES. El mercado de productos agropecuarios y pesqueros en Maracaibo [The marketing of agricultural and fish products in Maracaibo]. Caracas, 1965. 2 v. (Estudios Especiales) HD9014.V4M3
Vol. 2 by E. F. Seiller.
- 890 CREW, B. Road transport in the melting pot. Agr. Merchant 46(9):57,59,61. Sept.1966. 10 Ag89
Great Britain.

- 891 DOROW, N. A. Farm bargaining power; potentials and limitations. N. Dak. State Univ. Ext. Circ. A-483,4 p. Jan.1966. 275.29 N812Sa
- 892 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Report on agricultural marketing schemes for the period 1963-1964. London, 1965. 94 p. 280.39 G793R
Department of Agriculture and Fisheries for Scotland and Home Office, cooperating.
- 893 HAGEN, H. The need for marketing and bargaining power for farmers. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 48-52. 1966. A280.39 C76
- 894 HATHAWAY, D. E., and others. Michigan farmers in the mid sixties: a survey of their views of marketing problems and organizations. Mich. Agr. Exp. Sta. Res. Rep. 54,76 p., map. Aug.1966. 284.9 M58
R. L. Feltnor, J. D. Shaffer, and D. Morrison, joint authors.
Includes attitudes.
- 895 HOECKER, R. W. Supermarket safeguards. U. S. D. A. Yearbook Agr. 1966:166-169. 1 Ag84Y
- 896 ILLES, T. Marketing activity of production cooperatives. (Hu) Magyar Mezőgazdaság 21 (30):12-13. July 27,1966. 19 M27
- 897 JASDANWALLA, Z. Y. Marketing efficiency in Indian agriculture. Bombay, Allied Publishers, 1966. 132 p. Ref. HD9016.142I3
Issued also as thesis, University of Bombay.
- 898 KOHLIS, R. L. Can cooperative bargaining associations succeed? Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.:2-7. 1966. A280.39 C76
- 899 LEVERTON, R. M. Consumer responsibility. U. S. D. A. Yearbook Agr. 1966:378-379. 1 Ag84Y
Food purchasing.
- 900 MARKS, H. F. Market intelligence and outlook work in the U.S.A. Great Brit. Min. Agr. Fish. Food, Agr. 73(7):338-341. July 1966. 10 G79J
Market reports.
- 901 METZDORF, H. J. Concentration of supply of farm products and producers' associations (Erzeugergemeinschaften). (Ge) Agrarwirtschaft 15(9):285-290. Ref. Sept.1966. 281.8 Ag826
English summary.
- 902 MID-ATLANTIC FOOD PROCESSORS ASSOCIATION. 30th annual buyers' guide and Mid-Atlantic directory of vegetable-fruit-seafood-meat processors: subscriber and service directory, 1966. Easton, Maryland, 1966. 88 p. 389.8 T73
- 903 MIKLUS, W. Comparison of for-hire motor carriers operating under the agricultural exemption with regulated motor carriers. U. S. D. A. Marketing Res. Rep. 769,20 p. Aug.1966. 1 Ag84Mf
- 904 MOORE, J. R. The causes and consequences of major changes in the organization of agricultural marketing activities. J. Farm Econ. 48(3,pt.2):148-161. Ref. Aug.1966. 280.8 J822
- 905 MOORE, T. Critical problems in cooperative bargaining (grower support). Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 8-10. 1966. A280.39 C76
- 906 MORGAN, H. E. Concentration in food retailing: criteria and causes. J. Farm Econ. 48 (3,pt.2):122-136. Ref. Aug.1966. 280.8 J822
- 907 MORI, H., and GORMAN, W. D. An empirical investigation into the relationship between market structure and performance as measured by prices. J. Farm Econ. 48(3,pt.2):162-171. Ref. Aug.1966. 280.8 J822
Food retailing.
- 908 NELSON, P. E. Price competition among retail food stores—theory, practice, and policy cues. J. Farm Econ. 48(3,pt.2):172-187. Aug. 1966. 280.8 J822
- 909 OTTOSON, H. W., and DAVIDSON, J. R. Transportation problems and policies in the Trans-Missouri West. Great Plains Agr. Coun. Proc. 1966:61-78. 282.9 G7992

- OWENS, W., and VANGSNESS, E. North Dakota retail sales summary. N. Dak. State Univ. Ext. Circ. A-477.4 p.,map. Sept. 1965. 275,29 N812Sa
- PATHO, K. Sale-procurement relations of agricultural installations in Czechoslovakia. (Hu) Magyar Mezőgazdaság 21(33):23. Aug. 17, 1966. 19 M27
- PHILLIPS, J. The theory and practice of futures trading. Rev. Marketing Agr. Econ. 34 (2):43-63. June 1966. 286.8 N47M
- QUEENSLAND, DIRECTOR OF MARKETING. Report for the year ended 30th June, 1965. Brisbane, 1965. 96 p. 280.39 Q32
Agricultural products.
- RUSHING, A. O. Good food buymanship. Miss. State Univ. Ext. Publ. 548.6 p.-folder. Jan. 1966. 275.29 M68Ext
- SADIKOVIC, E. Problems and results of contract purchasing of agricultural products in the Mostar district. (Se) Poljoprivredni Pregl. 14 (9/10):357-367. Sept./Oct. 1965. 21.5 P753
- SCHMITT, G. Marketing agreements and orders; a strategic instrument for marketing agricultural products in the U.S.A. (Ge) Agrarwirtschaft 15(8):245-255. Aug. 1966. 281.8 Ag826
English summary.
- SCHNITTKER, J. A. The Department's [U. S. Dept. of Agriculture] interest in bargaining cooperatives. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.:32-38. 1966. A280.39 C76
- SCHOPEN, W. Types and extent of interfirm cooperation in marketing farm products. (Ge) Agrarwirtschaft 15(9):291-302. Ref. Sept. 1966. 281.8 Ag826
English summary.
Vertical integration.
- SCHULTZ, H. W. Education for 500 careers. U. S. D. A. Yearbook Agr. 1966:236-246. 1 Ag84Y
In food handling, marketing, and regulation.
- SVENTO, I. Über die Zonen der Vermittlungsintensität im Einflussgebiet von Mikkeli [On the zones of trading intensity in the sphere of influence of Mikkeli]. Fennia 92(3),31 p.,map. 1965. 511 H367
- TURNER, D. F. Antitrust issues in cooperative bargaining. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.:71-78. 1966. A280.39 C76
- U. S. CONSUMER AND MARKETING SERV. 1965 Honolulu unloads; fruits, vegetables, meats, dairy and poultry products, by R. Yamaguchi. Honolulu, 1966. 30 p. A286.9 M343
Hawaii State Department of Agriculture, cooperating.
Statistics.
- U. S. CONSUMER AND MARKETING SERV. INFORMATION DIV. Federal-State market news reports; a directory of services available. U. S. Consum. Marketing Serv. C M8-21,48 p.,map. June 1966. A280.39 C762
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Cost components of farm-retail price spreads for foods. Nat. Comm. Food Marketing. Tech. Stud. 9,55 p. June 1966. HD9001.A3
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Food from farmer to consumer; report. Washington, 1966. 203 p. HD9005.N3
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Frequency of use of private labels by distributors, 212 foods. Nat. Comm. Food Marketing. Tech. Stud. 10(sup.1),213 p. June 1966. HD9001.A3
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Organization and competition in food retailing. Nat. Comm. Food Marketing. Tech. Stud. 7,568 p. June 1966. HD9001.A3
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Special studies in food marketing: private label products in food retailing; retail food prices in low and higher income areas; notes on economic regulation. Nat. Comm. Food Marketing. Tech. Stud. 10,299 p. June 1966. HD9001.A3
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Studies of organization and competition in grocery manufacturing. Nat. Comm. Food Marketing. Tech. Stud. 6,270 p. June 1966. HD9001.A3
Food marketing.
- U. S. NATIONAL COMMISSION ON FOOD MARKETING. Supplemental appendix to Technical Study No. 1 and Technical Study No. 2. Washington, 1966. 138 p.,map. HD9001.A3
Statistics.
- WARLEY, T. K. A synoptic view of agricultural marketing organizations in the United Kingdom. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:3-15. Spring 1966. 281.8 N842
- WILLIAMS, W. F. Toward improved performance in agricultural marketing research. J. Farm Econ. 46(3,pt.2):37-52. Ref. Aug. 1966. 280.8 J822
- YOUBE, J. G., and HELMBERGER, P. G. Marketing cooperative in the U.S.: membership policies, market power, and antitrust policy. J. Farm Econ. 46(3,pt.2):23-36. Aug. 1966. 280.8 J822
- YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Promet poljoprivrednih proizvoda 1964 (otkup i prodaja) [Turnover of agricultural products 1964 (authorized purchase and sale)]. Yugoslavia. Savezni Zavod Statist. Statist. Bilten 381,91 p. 1965. 266.9 Sa9S
Contents, introduction, and table headings in English.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- ANDERSON, R. J. Regulation. U. S. D. A. Yearbook Agr. 1966:364-366. 1 Ag84Y
Interrelationship of Federal, State, and local regulations to protect the food supply.
- BATE-SMITH, E. C. Growing points in food science. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:415-417. 1965. TX611.5.R3
Producing foods for processing.
- BEGG, R. C. Food poisoning doesn't have to happen, it is in your hands to prevent it. Health [Wellington] 18(1):4-5. Autumn 1966. 449.8 H342
- EL-BISI, H. M. Principles of microbiological safety and stability of radiation-sterilized foods. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:223-232. Ref. 1965. TX611.5.R3
- BRUCE, R. S. Radionuclides in the United Kingdom diet, 1962-1964. Radiol. Health Data Rep. 7(6):331-334. June 1966. 151.65 R11
- THE CARRYING OUT of food control in Switzerland in the year 1964. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(5):321-422. 1965. 389.9 Sw6
Text partly in French.
- COOK, C. W. What the food industry needs from the FDA. Food Drug Cosmet. Law J. 21 (7):373-388. July 1966. 389.58 F732
- GODDARD, J. L. FDA statement and an industry response. Issues and some answers. Food Drug Cosmet. Law J. 21(7):368-373. July 1966. 389.58 F732
Standards.
- GOLDSBOROUGH, G. H. State departments of agriculture. U. S. D. A. Yearbook Agr. 1966:329-338. 1 Ag84Y
Food regulatory activities.
- GRANGE, G. R. Grading—assurance of quality. U. S. D. A. Yearbook Agr. 1966:297-305. 1 Ag84Y
Food.
- GROOT, A. P. DE, and TIL, H. P. Research and food toxicology. Utrecht. Cent. Inst. Voedingsonderz. Publ. B307:201-210. 1965. 389 Ut7
- HENSEL, H. L. Food package labelling—legal requirements and commercial practices. Food Drug Cosmet. Law J. 21(8):392-395. Aug. 1966. 389.58 F732

- 947 KIEFE, R. Reflections on the control of adulteration. (Fr) *Ann. Nutr. Aliment.* 20 (3, mem. originaux):301-320. 1966. 389.8 An73
- 948 KLINE, O. L. Introductory remarks. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:183-184. 1965. TX611.5.R3
On regulation of irradiated foods.
- 949 KOENIG, N. Food standards for the world. U. S. D. A. Yearbook Agr. 1966:312-321. 1 Ag84Y
Codex Alimentarius.
- 950 KRAYBILL, H. F. Wholesomeness considerations in radiation preservation of foods. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:191-198. Ref. 1965. TX611.5.R3
- 951 LOFROTH, G. Toxic effects of irradiated foods. *Nature [London]* 211(5046):302. July 16, 1966. 472 N21
- 952 MARKARIAN, H., and others. Insecticide residues in foods subjected to aerosols under simulated warehouse conditions. *J. Econ. Entomol.* 59(4):844-846. Ref. Aug. 1966. 421 J822
J. J. Pratt, F. Kane, and B. H. Kantack, joint authors.
Food packaged in various containers treated with DDT and lindane.
- 953 MCLAUGHLIN, F. E. The Food and Drug Administration. U. S. D. A. Yearbook Agr. 1966:290-296. 1 Ag84Y
- 954 MOORE, A. N. Meals away from home. U. S. D. A. Yearbook Agr. 1966:179-190. 1 Ag84Y
Food sanitation and nutritive value in relation to public health.
- 955 MORRELL, C. A. Aspects of food legislation in Canada relative to wholesomeness. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:199-203. 1965. TX611.5.R3
- 956 PANNHORST, H. Control of food industry, food sanitation and related tasks and problems. (Ge) *Gesundheitswesen Desinfekt.* 58(4):57-59. Apr. 1966. 449.8 Z36P
- 957 PARK, A. B. Fallout and food. U. S. D. A. Yearbook Agr. 1966:339-344. 1 Ag84Y
- 958 RAICA, N. Data on wholesomeness studies; a progress report. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:185-190. Ref. 1965. TX611.5.R3
- 959 RAINWATER, H. I., and SMITH, C. A. Quarantines—first line of defense. U. S. D. A. Yearbook Agr. 1966:216-224. 1 Ag84Y
Fruits and vegetables, livestock, and plant and animal materials.
- 960 ROBEV, S. Ways to control radioactive contamination. (Bu) *Priroda [Sofia]* 14(5):14-17. Sept./Oct. 1965. 410 P934
Includes food.
- 961 RUPPERT, E. L., and MACKISON, F. W. Public health programs. U. S. D. A. Yearbook Agr. 1966:306-311. 1 Ag84Y
Food regulation.
- 962 SAMPAOLO, A., and others. Chemical contamination of foods. (It) *Ris. Chim.* 18(4):193-199. Ref. July/Aug. 1966. 385 R18
N. Gandolfo, G. C. Ramelli, and I. Camoni, joint authors.
- 963 SCHAPER, K. "Der Schwarze Peter"; another opinion expressed from the rank of practitioners on the results of the new food law on the work of the pest control operator. (Ge) *Prakt. Schadlingsbekämpfer* 18(6):91-92. June 1966. 421 P882
In relation to pesticide residues in food.
- 964 SPAANDER, J. Some international aspects of wholesomeness of irradiated foods. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:205-208. 1965. TX611.5.R3
- 965 SPIESS, W. The quality of industrially freeze-dried food. (Ge) *Indus. Obst. Genussverwertung* 51(16):489-498. Aug. 1966. 389.8 K832
- 966 SPIKER, E. G., and STAFFORD, P. G. A look at FDA's new rules of practice and problems still unsolved. *Food Drug Cosmet. Law J.* 21(9):448-457. Sept. 1966. 389.58 F732
- 967 SYMPOSIUM ON THE MICROBIOLOGY OF DESIRABLE FOOD FLAVOURS. *Papers, J. App. Bacteriol.* 29(2):217-259. Aug. 1966. 446.39 So12

- 968 VENTURA, S. The Common Market and harmonization of the food laws. *Food Drug Cosmet. Law J.* 21(9):440-447. Sept. 1966. 389.58 F732
- 969 WEISS, H. On food legislation planning for licensing emulsifiers in the area of the European Economic Community. (Ge) *Fette, Seifen, Anstrichmittel* 68(6):625-628. Aug. 1966. 384 C422
English summary.
- 970 WHITEHAIR, L. A. Wholesomeness, microbiological, and biochemical aspects of the AEC radiation pasteurization of foods program. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:315-324. 1965. TX611.5.R3

PACKING AND PACKAGING

- 971 BURDITT, G. M. The packaging industry looks at the model law and regulation. *Food Drug Cosmet. Law J.* 21(8):396-403. Aug. 1966. 389.58 F732
- 972 GROEBEL, W. Determination of the monomer content in polystyrol. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(3):180-182. 1966. 384 Z39
Used for food containers.
- 973 HARDENBURG, R. E. Packaging and protection. U. S. D. A. Yearbook Agr. 1966:102-117. 1 Ag84Y
- 974 JACKSON, L. Developments in flexible packaging materials. *Food Technol. Australia* 18 (7):382-384, 387, 389, 391. July 1966. 389.8 F7333
For food.
- 975 JONES, R. Closure trends for the packaging of food in glass. *Food Manufacture* 41(9):55-57. Sept. 1966. 389.8 F736
- 976 PAYNE, G. O., and SPIEGEL, C. J. Packaging aspects of radiation preservation of foods. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:99-107. 1965. TX611.5.R3
- 977 RONSVALL, L. J., BERNSTEIN, J. B., and TINKER, B. L. Method for determining the bacterial permeability of plastic films. *Food Technol.* 20(6):98-99. Aug. 1966. 389.8 F7398

PRICES, PRICE CONTROL, AND RATIONING

- 978 BUISSON, J., and ALAIN, J. P. New successes for green Europe. (Fr) *Economie* 22(1017): 10-11. July 29/Aug. 5, 1966. 280.8 Ec726
Prices and marketing of agricultural products on the European Common Market.
- 979 CARPENTER, B. H. Agriculture's share of the food dollar. *Cattleman* 53(5):40, 42, 44. Oct. 1966. 49 C29
Prices.
- 980 CHOJNACKA, H. Price changes in farm products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 470:1-6. Aug. 26, 1966. (JPRS 37,252; TT 66-33681) 173 J663Ste
Translation from *Zycie Gospodarcze* 30:6. July 24, 1966.
Issued by CFSTI.
- 981 DULOY, J. H. More on buffer stocks and producers' incomes. *J. Agr. Econ. [Reading]* 17 (2):197-201. Sept. 1966. 281.9 Ag8
Comment by D. I. Bateman.
Statistical study of price stabilization under buffer stocks.
- 982 GAINSBURGH, M. R., and BACKMAN, J. Inflation and the price indexes. *Nat. Indus. Conf. Board Stud. Bus. Econ.* 94, 129 p. Ref. 1966. 280.9 N216St
Includes agricultural price indexes.
- 983 HIEMSTRA, S. J. Seasonally adjusted retail food price indexes. U. S. D. A. Econ. Res. Serv. Nat. Food Situation. *NFS* 117:30-36. Aug. 1966. 1.941 S2F73

- 984 HINE, R. C., and MORRISSEY, M. J. Price change and the East Midlands farmer. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 35:29-31. Spring 1966. 281.9 N842 Indexes.
- 985 KRILEK, J. The uniform basic purchase prices and their role. (Cz) Ekon. Zemedelstvi 5(7): 176-177. July 1966. 281.8 Ek7
- 986 MARTIN, S. Why one factor will force up frozen food prices next year. Quick Frozen Foods 29(2):39-42, 148. Sept. 1966. 389.8 Q4
- 987 PORTER, C. W. Upward pressures on retail food prices. Penn. State Univ. Coop. Ext. Work Agr. Home Econ. Farm Econ., Oct. 1966, 4 p. 275, 28 P38
- 988 SELMER-ANDERSEN, C. Prisutviklingen i jordbruket [Price trends in agriculture] 1965. Vollebekk, 1965. 27 p. (Norges Landbruks-hogsk. Inst. Driftslære Landbruksokon. Jord-br. Prisindeks) 284.39 N76
- 989 SILVA, D. H. Multiple-pricing at work for U.S. agriculture. Econ. Planning [Montreal] 2(2): 5-6. Apr./May 1966. HD1785.A1
- 990 STARNOVSKY, Z. The role of prices in the improved management of agriculture. (Cz) Ekon. Zemedelstvi 5(7):173-176. July 1966. 281.8 Ek7
- PROCESSING AND STORAGE
- 991 BERREBL, H. Pulsair solutions for the maintenance and bulk storage of powdered foods. (Fr) Indus. Aliment. Agr. 83(6):751-761. June 1966. 383 As7 English summary.
- 992 BERTSCH, A. A. Business opportunities and responsibilities in food irradiation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:419-424. 1965. TX611.5.R3
- 993 BOSUND, I. Modern methods of food preservation. (No) Svensk Kem. Tidskr. 78(8):413-431. Ref. 1966. 385 Sv22
- 994 BOUR, H. From compounded foods to synthetic foods. (Fr) Equilibre 22:22-32. July 1966. 389.8 Eq5
- 995 CAYLE, T., and VIEBROCK, F. The application of Mathew's formula in enzymatic starch conversions. Wallerstein Lab. Commun. 29 (98/99):29-35. Apr./Aug. 1966. 390.9 W15
- 996 CLARK, L., and BURGESS, C. Choosing and using your food freezer. Okla. State Univ. Ext. Circ. E-778, 12 p. Apr. 1966. 275.29 OK41C
- 997 CLIVER, D. O. Viruses and rickettsia in foods and the possible role of radiation preservation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964: 269-274. Ref. 1965. TX611.5.R3
- 998 COB, M. DEL VAL, and SUNE, N. O. Food preservation by irradiation. I. Evolution and present status in the world. 62 p. (AEC-Tr-6690) Transl. 16213 Translation from Junta de Energia Nuclear 158/SL/15. 1965. CFSTI: \$3.00.
- 999 DENNY, C. B., TAN, P. L., and BOHRER, G. W. Heat inactivation of staphylococcal enterotoxin A. J. Food Sci. 31(5):762-767. Ref. Sept./Oct. 1966. 389.8 F7322 Impact on food processing.
- 1000 DIETZ, G. R. Facilities supporting AEC food-irradiation research. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:303-313. 1965. TX611.5.R3
- 1001 EAST, E., SMITH, B. J., and BORDSEN, D. G. Yeast products and their role in food development. Food Manufacture 41(9):62, 65, 70. Sept. 1966. 389.8 F736
- 1002 FERNANDEZ GONZALEZ, A. Irradiation of foods; considerations on the recent international symposium at Karlsruhe. (Sp) Agricultura [Madrid] 35(41):381-383. July 1966. 15 Ag84 FITZGERALD, G. A. Procurement of foods by grocers. III. Total unitization in food distribution. Mass. Univ. Ext. Publ. 428-B, 22 p. July 1965. 275.29 M381L Warehousing; including palletization.
- 1004 FRIED, M. International and technical aspects of the food-irradiation program of the joint IAEA-FAO Division of Atomic Energy in agriculture. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:411-413. 1965. TX611.5.R3
- 1005 GILPIN, G. L., and MERRILL, A. L. Protecting food quality in the home. U. S. D. A. Yearbook Agr. 1966:170-178. Ref. 1 Ag84Y Storage, refrigeration, and cookery.
- 1006 GLAUBITZ, M. Atlas der Garungsorganismen; Leitfaden für mikrobiologische Übungen an Fach- und Hochschulen und die Betriebskontrolle in der Garungstechnik [Atlas of fermentation organisms; guide to microbiological exercises for technical schools and universities and for industrial control in fermentation techniques]. Ed. 3, rev., by R. Koch. Berlin, Parey, 1965. 92 p. QR151.G5
- 1007 GOLDBLITH, S. A. World-wide status of the treatment of foods by ionizing energy. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:3-15. Ref. 1965. TX611.5.R3
- 1008 GOLUMBIC, C., and LAUDANI, H. Storage and warehousing. U. S. D. A. Yearbook Agr. 1966: 139-152. 1 Ag84Y
- 1009 GORESLINE, H. E. Need for international co-operation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:17-21. 1965. TX611.5.R3 In irradiation processing of food.
- 1010 HAND, D. B. Food technology and the world food problem. Food Technol. 20(6):55-58. Ref. Aug. 1966. 389.8 F7398 Food supply, economic development, and nutrition.
- 1011 HEIMSTRA, S. J. Concentration and competition in the food industries. J. Farm Econ. 48 (3, pt. 2):137-147. Ref. Aug. 1966. 280.8 J822 Legal aspects of mergers in food manufacture and marketing.
- 1012 INTERNATIONAL CONFERENCE ON RADIATION PRESERVATION OF FOODS, BOSTON, 1964. Proceedings. Washington, National Academy of Sciences—National Research Council, 1965. 425 p. Ref. (NAS/NRC 1273) TX611.5.R3 Sponsored by U. S. Atomic Energy Commission, U. S. Army Natick Laboratories, and Advisory Board on Military Personnel Supplies of National Academy of Sciences—National Research Council. Summary by R. G. H. Siu, p. 277-280.
- 1013 KOCH, H. W., and EISENHOWER, E. H. Electron accelerators for food processing. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:149-180. Ref. 1965. TX611.5.R3
- 1014 KORNFIELD, F. Properties and techniques of application of biocidal ampholytic surfactants. Food Manufacture 41(3):39-42, 45-46. Ref. Aug. 1966. 389.8 F736
- 1015 KOZIN, N. I., ed. Primenenie emul'sii v pishchevoi promyshlennosti [Using emulsions in food industry]. Moskva, Pishcheyaya Promyshlennost', 1966. 249 p. Ref. TP374.E4K6
- 1016 LABELLE, R. L. Characterization of foams for foam-mat drying. Food Technol. 20(8):89-94. Ref. Aug. 1966. 389.8 F7398
- 1017 LEVEQUE, P. The work of the OECD's European Nuclear Energy Agency (ENEA) in food irradiation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:23-24. 1965. TX611.5.R3
- 1018 LIVERANI, R. Lyophilized foods at the Bologna Fair. (It) Mercanzia 21(6):441-443. June 1966. 287 B635
- 1019 LODGE, G. C. Food processing key to economic development. Harvard Bus. Rev. 44(5): 6-5, 10, 12, 14, 16, 180. Sept./Oct. 1966. 280.8 H262
- 1020 MANOWITZ, B. Isotopic sources. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:143-148. 1965. TX611.5.R3
- 1021 MEHLTRETTER, C. L. Recent progress in dialdehyde starch technology. Starke 18(7): 208-213. Ref. July 1966. 309 St22

- 1022 MOSSEL, D. A. A., and GROOT, A. P. DE. The use of pasteurizing doses of gamma radiation for the destruction of salmonellae and other enterobacteriaceae in some foods of low water activity. *Int. Conf. Radiat. Preserv. Foods*. Proc. 1964:233-264. Ref., p.261-264. 1965. TX611.5.R3
- 1023 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Industrial programmes for the fourth plan, Madras State. New Delhi, 1965. 360 p. HC437.M3N2
Includes industries based on agriculture, livestock, and forest resources.
- 1024 NEAL, W. T. L. Prospects for radiation preservation of foods in Britain. *Int. Conf. Radiat. Preserv. Foods*. Proc. 1964:25-30. 1965. TX611.5.R3
- 1025 PENTZER, W. T. The giant job of refrigeration. U. S. D. A. Yearbook Agr. 1966:123-138. 1 Ag84Y
- 1026 POTKE, E. Tasks for improving green forage and root crop drying in the DDR. (Ge) *Feldwirtschaft* 7(5):245-246, map. May 1966. 13 W763
- 1027 QUICK FROZEN FOODS. 1966-67 directory of frozen food processors & products; 19th annual edition, edited and revised by B. C. Horrocks. New York, E. W. Williams Publ., 1966. 426 p. 225 Q4
- 1028 RASMUSSEN, C. L., ROGERS, R. O., and MICHENER, H. D. Processing—a prime protector. U. S. D. A. Yearbook Agr. 1966:153-165. 1 Ag84Y
Food.
- 1029 REED, G. Enzymes in food processing. New York, Acad. Press, 1966. 463 p. (Food Science and Technology; a Series of Monographs, No.3) TX501.R4
Bibliography, p.415-463.
Includes Production of Commercial Enzymes, by L. A. Underkofler.
- 1030 REYNOLDS, J. E. Industry: profit and protection. U. S. D. A. Yearbook Agr. 1966:247-257. 1 Ag84Y
History of food processing and marketing.
- 1031 RIECHE, A. Grundriss der technischen organischen Chemie [Outline of technical organic chemistry]. Ed. 3. Leipzig, S. Hirzel, 1965. 550 p. Ref. TP145.R5
Includes a section on the processing of agricultural and forest products.
- 1032 SCHNEIDAU, R. E. Opportunities for frozen food locker operators. Purdue Univ. Ind. Agr. Ext. Mimeo EC-296, 10 p. Ref. Feb. 1965. 100 In2Ag
- 1033 SHEA, K. G. The USAEC program on food irradiation. *Int. Conf. Radiat. Preserv. Foods*. Proc. 1964:283-301. 1965. TX611.5.R3
- 1034 SLADE, F. H. Developments in bulk centrifuging. 1. Food Process. Marketing [London] 35(420):353-357. (Cont.) Sept. 1966. 389.8 F738
- 1035 SPAIN. INSTITUTO NACIONAL DE ESTADÍSTICA. Estadística industrial [Industrial statistics], 1963. Madrid, 1965. 523 p. HA1554.S6
Includes processed foods.
- 1036 STRASSER, J., HEISS, R., and GORLING, P. The water vapor and heat transport during vacuum freeze drying with reference to optimal process conditions. (Ge) *Kaltetechnik* 16(6): 286-293. Ref. Aug. 1966. 295.8 K123
English summary.
Foods.
- 1037 THERON, J. J. Welcoming address at the symposium: Food Science Requirements in S. Africa. *Food Indus. S. Afr.* 19(4):45, 47, 49. Aug. 1966. 389.8 F7372
Text partly in English, partly in Afrikaans.
- 1038 THORNLEY, M. J. The salmonellosis problem and prospects for the irradiation treatment of foods. *Int. Conf. Radiat. Preserv. Foods*. Proc. 1964:265-268. Ref. 1965. TX611.5.R3
- 1039 TIMKO, B. Processing plants on the producing farms. (Hu) *Magyar Mezőgazdaság* 21(31):10-11. Aug. 3, 1966. 19 M27
- 1040 UEDA, K. Dynamics of bacterial growth and fermentation in continuous L-glutamic acid fermentation. *J. Ferment. Technol.* 44(6):275-282. 1966. 390.08 H12
- 1041 U. S. FEDERAL TRADE COMMISSION. The structure of food manufacturing. Nat. Comm. Food Marketing. Tech. Stud. 8, 292 p. June 1966. HD9001.A3
- 1042 WALTER, G. H. Government food reserves. U. S. D. A. Yearbook Agr. 1966:345-350. 1 Ag84Y
- 1043 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. 4-H home food preservation contest—awards and requirements (Sears Roebuck Foundation sponsorship). Wash. State Univ. Ext. E. M. 902, rev., 1 p. June 1966. 275.29 W27M1
- 1044 WHISTLER, R. L., and INGLE, T. R. Radiation of starch. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.409-419. 1965. TP415.W5
Review of the literature.
- 1045 WILLIAMS, E. W. Europe's frozen food boom accelerates: 15-20% increase anticipated in 1966. *Quick Frozen Foods* 29(1):35-43. Aug. 1966. 389.8 Q4
- 1046 WILLIAMS, E. W. West Germany upgrades industry cold chain: total FF consumption up 25% in Sweden. *Quick Frozen Foods* 29(2): 43-47, 120, 143-144, 146. Sept. 1966. 389.8 Q4

STATISTICS

- 1047 APACIBLE, A. Taiwan's progress and her effort for self sufficiency. *Sugar News* [Manila] 42(7):359-360, 362, 364, 366, 370, 372, map. July 1966. 65.8 Su36
Agricultural production and trade statistics.
- 1048 COSTA RICA. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Censo agropecuario [Agricultural census]. San Jose, 1965. 308 p. S169.A5
- 1049 FOGELBERG, P. Regionale Differenzierung in der Finnischen Landwirtschaft; einige Beispiele im Lichte der Landwirtschaftszählung 1959 [Regional differentiation in Finnish agriculture; some examples in the light of the agricultural census 1959]. *Fennia* 92(5), 50 p., map. Ref. 1965. 511 H367
- 1050 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Index numbers of agricultural production, prices and trade statistics. *Food Agr. Organ. UN. Suppl. Econ. Statist.* 2, 53 p. Dec. 1964. HD9000.4.F6
- 1051 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Statistisches Jahrbuch für die Bundesrepublik Deutschland [Statistical year book for the German Federal Republic], 1966. Wiesbaden, 1966. 836 p. 265 B4532
Statistics for agriculture and forestry included.
- 1052 IRELAND. CENTRAL STATISTICS OFF. Statistical abstract of Ireland, 1965. Dublin, 1965. 377 p. 256.12 In28
Agricultural and forestry statistics included.
- 1053 ITALY. ISTITUTO CENTRALE DI STATISTICA. 1° censimento generale dell'agricoltura, 15 aprile 1961. Volume III. Coltivazioni [First general census of agriculture, April 15, 1961. Volume III. Crops]. Roma, 1966. 393 p. 261 Is70
Forest statistics included.
- 1054 JAPAN. NORINSHO. Food balance sheet 1964. Tokyo, 1965. 13 p. HD9016.J3A3
- 1055 JORDAN. DEPT. OF STATISTICS. Statistical yearbook 1965, number 16. Amman, 1966. 189 p. 269.8 T6222
Text also in Arabic.
Agricultural and forestry statistics included.
- 1056 MAHARASHTRA. BUR. OF ECONOMICS AND STATISTICS. Hand-book of basic statistics of Maharashtra State, 1964. Bombay, 1966. 130 p. 269.54 M27H
Agriculture included.

- 1057 NORTH CAROLINA. FEDERAL-STATE CROP REPORTING SERV. North Carolina agricultural statistics, annual, number 114, 1965. Raleigh, 1965. 2 N815F
Division of Agricultural Statistics, North Carolina Department of Agriculture and Statistical Reporting Service, U. S. Department of Agriculture, cooperating.
- 1058 NORTH DAKOTA CROP AND LIVESTOCK REPORTING SERV. Agricultural census data for North Dakota 1964. N. Dak. Crop Livestock Rep. Serv. Ag. Statist. 16,31 p., map. Sept. 1966. 2 N818A
Statistical Reporting Service of U. S. Department of Agriculture and Department of Agricultural Economics, North Dakota State University of Agriculture and Applied Science, cooperating.
- 1059 NORWAY. STATISTISK SENTRALBYRA. Industristatistikk, 1964. Industrial statistics, 1964. Oslo, 1966. 149 p. 257.2 S22P
Table of contents, summary and some tables also in English.
Includes food.
- 1060 NORWAY. STATISTISK SENTRALBYRA. Statistisk arbok, 1966. Statistical yearbook of Norway, 1966, 85th issue. Oslo, 1966. 367 p. 257.2 S22S
Table of contents and table headings also in English.
Includes agriculture and forestry.
- 1061 ROBSON, S. Food and agricultural statistics; a chartbook for the United Kingdom. Newcastle-upon-Tyne. Univ. Dep. Agr. Econ. Rep. 164G, 183 p. May 1966. 281.9 K61R
- 1062 EL SALVADOR. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Anuario estadístico, volumen II, 1964 [Statistical annual, volume II, 1964]. San Salvador, 1966. 429 p. 254 Sa52
Agricultural statistics included.
- 1063 SAVEZNI ZAVOD ZA STATISTIKU. Anketa o seljacksim gazdinstvima 1964 [Survey of peasant holdings 1964]. Yugoslavia. Savezni Zavod. Statist. Statist. Bilten 387,60 p. 1966. 266.9 Sa9S
Contents, introduction, and table headings in English.
- 1064 SPAIN. INSTITUTO NACIONAL DE ESTADISTICA. Primer censo agrario de Espana, octubre de 1962 [First agricultural census of Spain, October 1962], 5, 15, 24, 32, 34, 40, 49. Madrid, 1966. 7 Pt. 263 Sp14Pe1
5, Avila; 15, La Coruna; 24, Leon; 32, Orense; 34, Palencia; 40, Segovia; 49, Zamora.
- 1065 SRIVASTAVA, S. S. Impact of rainfall on crop yield and acreage: a comment. Indian J. Agr. Econ. 21(2):108-109. Apr./June 1966. 281.8 In2
Statistical analysis.
- 1066 SUPER MARKET INSTITUTE. Excerpts from figure exchange reports 1954-1964. Nat. Comm. Food Marketing. Tech. Stud. 7(sup.1), various paging. June 1966. HD9001.A3
- 1067 SWEDEN. STATISTISKA CENTRALBYRAN. Industri [Manufacturing], 1963. Stockholm, 1965. 434 p. 257.3 S22I
Table of contents, some table headings and summary also in English.
Includes food statistics.
- 1068 SWEDEN. STATISTISKA CENTRALBYRAN. Jordbruksstatistisk årsbok [Statistical yearbook of agriculture], 1966. Stockholm, 1966. 233 p. 257.3 S22J
Table of contents and summary also in English.
- 1069 SWITZERLAND. BAUERNSEKRETARIAT. Prices and crops in Swiss agriculture 1965. (Ge) Landwirt. Jahrbuch Schweiz 80(67):79-96. 1966. 17 L23
Text also in French.
- 1070 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE, IDAHO. Annual statistical report, 1964. Boise, 1965. 106 p. 1.956 F45Id13
U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program: summary by States, 1964. Washington, 1965. 71 p. A281.9 C76
- 1072 U. S. BUR. OF RECLAMATION. Federal reclamation projects: 1965 crop report and related data. Washington, 1966. 43 p., map. 156.84 D26
- 1073 U. S. BUR. OF RECLAMATION. Federal reclamation projects: statistical appendix to 1965 crop report and related data. Washington, 1966. 215 p. 156.84 D26
- 1074 U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Century of agriculture in charts and tables. U. S. D. A. Agr. Handbook 318,44 p. July 1966. 1 Ag44h
Commodity trends.
- 1075 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Anuario estadístico agropecuario [Agricultural statistical annual], 1964. Caracas, 1965. 438 p. 255.9 Ec74
- 1076 VIENNA. STATISTISCHES AMT. Statistisches Taschenbuch der Stadt Wien [Statistical manual of the City of Vienna], 1964. Wien, 1964. 84 p. 266 V672
Agricultural statistics included.
- 1077 VIENNA. STATISTISCHES AMT. Statistisches Taschenbuch der Stadt Wien [Statistical manual of the City of Vienna], 1965. Wien, 1965. 84 p. 266 V672
Agricultural statistics included.
- 1078 WYOMING. AGRICULTURAL EXPERIMENT STATION. Wyoming agriculture; economic statistics of Wyoming's agricultural industry. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 211,84 p., map. Mar. 1965. 100 W99M

BEVERAGES AND CONDIMENTS

- 1079 AKMAN, A., and PAMIR, H. The use of sorbic acid for the preservation of sugar-containing wines. (Ge) Ankara Univ. Fac. Agr. Yearbook 1964:41-52. Ref. p.50-52. 1965. 25 An42
- 1080 BALAGOPALAN, D. Marketing and export of plantation products--coffee. Planters' Chron. 61(16):342-346. Aug. 15, 1966. 22 P693 India.
- 1081 BARBAGALLO, L. Viticulture and wine production in insular Italy. (It) Agricoltura 15 (350):55-63. Sept. 1966. 16 Ag8226
- 1082 BEAVER, J. N. P. Productivity approach in tea plantations. Planters' Chron. 61(16):348. Aug. 15, 1966. 22 P693
Industry in India.
- 1083 BENDA, I., and SCHMITZ, A. Enological studies of the biological decomposition of acids in musts with Schizosaccharomyces pombe. (Ge) Weinberg Keller 13(6):239-254. Ref. June 1966. 95.8 W435
English summary.
Malic acid.
- 1084 BOWDEN, A. Focus on Ceylon. New Commonwealth 44(8):397,399,401-402. Aug. 1966. 280.8 C88
Includes the tea industry.
- 1085 BUTANESCU, G. Aspects of the wine industry and grape culture of Georgia. (Rum) Gradina, Via Livada 15(5):74-78. May 1966. 80 G75
- 1086 CARLES, J., LAYOLE, J., and LATTES, A. A new organic acid of wine, the dimethylglyceric acid. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2788-2790. June 27, 1966. 505 P21
- 1087 CEYLON. TEA CONTROL DEPT. Administrative report for 1965. Colombo, 1966. 67 p. 286.3689 C332
Text also in Sinhalese.
- 1088 DESANA, P. The tiring road of protection of origin denominations of wines. (It) Colt. G. Vinicolo Ital. 112(5):154-156. May 1966. 16 C72
- 1089 DOHOLICI, V. Criteria for the development of an effective technology of wine. (Rum) Indus. Aliment. 16(10):544-548,551. Oct. 1965. 389.8 In26
English summary, p.2 of supplement.
Includes clarification and bottling.

- 1090 GHOSH, B. N. A review of the mechanization problems of coffee processing in East Africa. *Kenya Coffee* 31(366):245,247,249,251. June 1966. 38,29 C652
- 1091 INAL, T. Investigation on the bacterial flora of spices with special reference to the aerobic spore formation. (Ge) Ankara Univ. Vet. Fak. Dergisi 12(1/2):82-93. Ref. 1965. 41,9 An4d
- 1092 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Coffee in India 1959-60 and 1960-61. New Delhi, 1965. 51 p. 269.5 C733
- KEEN, H. L. Tea in Canada: the searching look. *World Coffee Tea* 7(5):59. Sept.1966. 286,83 W89
- 1093 KENYON, R. Spices adding variety and zest. *Meat* 32(9):56,61. Sept.1966. 286,85 M464 Analysis.
- 1094 KUNDERT, J. Investigations on the effect of fungicides on alcoholic fermentation. (Ge) Schweiz. Z. Obst- Weinbau 102(14):366-374. Ref. July 9,1966. 80 Sch9 Wine.
- 1095 LUFF, R. The marketing of tea. *Planters' Chron.* 61(15):322-324. Aug.1,1966. 22 P693 India.
- 1096 MANNELLI, G., and MANCINI, P. The minor constituents in hydro-alcohol liquids. III. Ethyl acetate and acetaldehyde in Italian wines. (It) Rass. Chim. 18(2):70-72. Mar./Apr.1966. 365 R18
- 1097 MARAVALLAS, N. Mycological deterioration of cocoa beans during fermentation and storage in Bahia. *Rev. Int. Choc.* 21(8):375-378. Ref. Aug.1966. 68,38 R32
- 1098 MARCUS, I. H. Report on a visit to the wineries of Australia. *Wines Vines* 47(8):14-18, map. Aug.1966. 95,8 C122
- 1099 MARESCALCHI, C. Vine, wine, and tourism. (It) Agricoltura 15(350):77-82, map. Sept.1966. 16 Ag8226
- 1100 MARQUARDT, P., and WERRINGLOER, H. W. J. Toxicity of wine. *Food Cosmet. Toxicol.* 3(5/6):803-810. Nov./Dec.1965. 391,8 F73
Review of the literature.
- 1101 MATTIA, M. Viticulture and wine production in southern Italy. (It) Agricoltura 15(350):43-54. Sept.1966. 16 Ag8226
- 1102 MAYER, K., and PAUSE, G. Enzymatic determination of citric acid (preliminary report). (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(5):454-458. 1965. 389,9 Sw6
English summary.
In wine and grapejuice.
- 1103 MHALCA, A. Chief technological indices of red wine Minis. (Rum) Gradina, Via Livada 15(6):36-40. June 1966. 80 G75
- 1104 MITRA, K. K. The tea industry and tea research in Soviet Russia. *Planters' Chron.* 61(15):325-334. Aug.1,1966. 22 P693
- 1105 MOELLER, W. M. The brewing industry, eastern Pennsylvania and Philadelphia. IV. *Brewers Dig.* 41(9):58,60,62,64,66,128-129. Sept. 1966. 390,8 B75
Historical.
- 1106 MONTANARI, V. The most prized wines of Vicenza. (It) Vicenza Econ. 21(7):458-466. July 1966. 287 V562
Industry.
- 1107 MONTANARI, V. Viticulture and wine production in central-southern Italy. (It) Agricoltura 15(350):33-42. Sept.1966. 16 Ag8226
- 1108 MUJDABA, F. Aspects of the wine industry of France. II. (Rum) Gradina, Via Livada 15(5):59-64. May 1966. 80 G75
- 1109 MUSTIANI, A. How to appreciate our wines. (It) Agricoltura 15(350):83-84,86-91. Sept. 1966. 16 Ag8226
Promotion.
- 1110 NOVELLIE, L. Kaffircorn malting and brewing studies. XIV. Mashing with kaffircorn malt: factors affecting sugar production. *J. Sci. Food Agr.* 17(8):354-361. Aug.1966. 382 S012
- 1111 O'DONOVAN, M. B., and NOVELLIE, L. Kaffircorn malting and brewing studies. XV. The fusel oils of kaffir beer. *J. Sci. Food Agr.* 17(8):362-365. Aug.1966. 382 S012
- 1112 OUGH, C. S., and COOKE, G. M. A rapid semi-quantitative reducing sugar test for dry wines. *Wines Vines* 47(8):27,29. Aug.1966. 95,8 C122
- 1113 PINTO, A., and CHICHESTER, C. O. Changes in the content of free amino acids during roasting of cocoa beans. *J. Food Sci.* 31(5):726-732. Ref. Sept./Oct.1966. 389,8 F7322
- 1114 POLLARD, A., KIESER, M. E., and BEECH, F. W. Factors influencing the flavour of cider: the effect of fermentation treatments on fusel oil production. *J. App. Bacteriol.* 29(2):253-259. Ref. Aug.1966. 448,39 S012
- 1115 PORTER, A. L. 15 different blends of tea-coffee: new formula for Canada? *World Coffee Tea* 7(5):57-58. Sept.1966. 286,83 W89
- 1116 PORTUGAL. MISSAO DE ESTUDOS AGRONOMICOS DO ULTRAMAR. Bibliografia de cafe [Coffee bibliography]. 1965. Port. Missao Estud. Agron. Ultramar. Commun. 53,186 p. Apr.1966. 15,5 P836C
- 1117 RADLER, F. Microbiological bases of acid decomposition in wine. (Ge) (Condensed) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(3):237-287. 1966. 448,3 C33
English summary.
Bibliography, p.279-287.
Fermentation study; the role of lactic acid bacteria.
- 1118 RIBEREAU-GAYON, J. Influence of fermentation and storage temperatures of wine and special wines on their chemical, microbiological and organoleptic characteristics; French report. (Fr) Office Int. Vigne Vin. Bull. 39(424):728-736. June 1966. 390,8 B87
Presented at the 11th International Congress of Grapes and Wine, Lisbon, 1965.
- 1119 RIGONE DE PRITZ, M. J. A., and LLOP, A. Zymosis in wines. (Sp) Univ. Nac. Cuyo. Fac. Cienc. Agr. Rev. 11(1/2):151-158. 1964, pub. 1966. 102,5 M52
English summary.
Defect caused by yeasts.
- 1120 ROMANIN, M. V. Ricerche sui pigmenti antocianici nella vite e nei vini. Nota III [Research on the anthocyanin pigments in grapes and wine. Note III]. Udine. Sta. Chim.-Agr. Sper. Pubbl. 80,16 p. Ref., p.15-16. 1965. 385 U45
- 1121 SAFAR, O. Application of yeasts cultures in enology. (Se) Agron. Glas. 16(4/5):325-330. Ref. May 1966. 21,5 Ag84
English summary.
- 1122 SARDZHEVLADZE, G. P. The quality of the black Balkhovya tea processed from selected varieties. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:39-40. 1965. 68,19 M28
English summary.
- 1123 SCHEU, J. J. Successful trading in coffee futures. *World Coffee Tea* 7(5):36-37,40-46. Sept.1966. 286,83 W89
- 1124 STREULLI, H. Fractionation of coloring and flavoring materials in roasted coffee by means of Sephadex G 25. 4 p. Transl. 16091
Translation from *Chimia* 16:371-372. Nov. 1962.
- 1125 TANNER, H. On the use of hard-polyvinyl chloride single-use bottles. (Ge) Schweiz. Z. Obst- Weinbau 102(14):361-366. July 9,1966. 80 Sch9
For wine.
- 1126 TANNER, H. A visit in a Danish winery. (Ge) Schweiz. Z. Obst- Weinbau 102(16):441-443. Aug.6,1966. 80 Sch9
- 1127 TARANTOLA, C. The great Italian industry of sparkling and aromatized wines. (It) Agricoltura 15(350):65-75. Sept.1966. 16 Ag8226
- 1128 TROOST, G. New materials for the manufacture and covering of wine receptacles; manufacturing and storage vats, transportation tanks, bottles, and various packings; general report. (Fr) Office Int. Vigne Vin. Bull. 39(424):737-756. (Concl.) June 1966. 390,8 B87
Presented at the 11th International Congress of Grapes and Wine, Lisbon, 1965.

- 1130 TRUJILLO M., F. F. Data on domestic wine; historical antecedents. (Sp) Paraguay Indus. Com. 22(261/262):27-29, 31-33, 35-37. June/July 1966. 280.8 P213
- 1131 VEGA, R., DIOS MORALES, R. J. DE, and OFRIA, H. Study of the higher alcohol content in Mendoza wines. (Sp) Univ. Nac. Cuyo. Fac. Cienc. Agr. Rev. 11(1/2):180-188. 1964, pub. 1966. 102.5 M52
English summary.
- 1132 VITICULTURE and wine production in Italy. (It) Agricoltura 15(350):18-32. Sept. 1966. 16 Ag8226
- 1133 WAILIS, J. A. N. Arabica coffee storage; a review of the problem in Kenya. Kenya Coffee 31(366):257-259. June 1966. 68.29 C652
- 1134 WEINFURTER, F., WULLINGER, F., and PIENDL, A. Malt quality—wort composition—fermentation course. 10. (Ge) Brauwelt 106 (73):1311-1316. Sept. 14, 1966. 390.8 B732
- 1135 WERNER, H., and HARTMANN, G. Possible use of colorimetry for determination of "soluble" grape protein with regard to protein stability of wines. (Ge) Weinberg Keller 13(1):5-36. Ref. Jan. 1966. 95.8 W435
English summary.
- 1136 WILLEMS, J. J. L. Survey of the results obtained in the determination of caffeine in a sample of raw coffee. Utrecht. Cent. Inst. Voedingsonderz. Publ. B412:97-105. May 1965. 389.9 U7
- 1137 WOOTTON, A. E., and BROWNBIDGE, J. M. The use of pectic enzyme preparations in coffee processing. Kenya Coffee 31(366):253-255. June 1966. 68.29 C652
- 1138 WUCHERPFENNIG, K., and KLEINKNECHT, E. M. On the behavior of carbon dioxide during the bottling of wine by various bottling and filling systems and its determination. (Ge) Weinberg Keller 12(12):547-556. Dec. 1965. 95.8 W435
English summary.
- 1139 XABREGAS, J. Contributions to the study of the coffees of Angola. (Por) Agron. Angola 18:37-42. 1963, pub. 1965. 24 Ag83
English summary.
Composition and quality.
- DAIRY PRODUCTS**
- 1140 ALBERTA, DEPT. OF AGRICULTURE, DAIRY BR. Annual report, 1965. Edmonton, 1965. 24 p. 44.9 AL1
Includes report of the Board of Public Utility Commissioners concerning milk control for the Province of Alberta.
- 1141 ANDRIEU, P. Parmesan cheese. (Fr) Rev. Conserv. 21(5):137-143. July 1966. 389.8 R326
History and manufacture.
- 1142 ARTHUR, H. B. Opportunities for growth in the dairy industry. Va. Polytech. Inst. Ext. Va. Farm Econ. 198:8-12. July/Aug. 1966. 275.29 V813
- 1143 BAKER, E. Twin City target—complete accounting mechanization. Milk Dealer 56(1):50-51. Oct. 1966. 44.8 M595
Data processing equipment in the dairy industry; includes the Twin City Milk Producers Association, St. Paul, Minnesota and its activities in this field.
- 1144 COOK, D. J. Dairy education can profit from programmed learning. Dairy Indus. 31(9):731-733. Sept. 1966. 44.8 D1427
- 1145 COOPER, T. B. Dairy industry situation. (Fr) Quebec Lait. Aliment. 25(9):12, 14-15. Sept. 1966. 44.8 Q3
- 1146 DORADO CHACON, A. The program of milk products for infant and social welfare in Spain and its comparison with that of Belgium. (Sp) Rev. Espan. Leche. 60:103-109. June 1966. 44.8 R325
- 1147 DZHABAROV, F. Ice cream shortage in Azerbaydzhan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade, 135:18-19. Sept. 6, 1966. (JPRS 37,450; TT 66-33978) 173 J663Tro
Translation from Vyshka, July 16, 1966:3. Issued by CFSTI.
- 1148 EDDY, D. K. A look at Vermont's dairy future. VT. Farm Home Sci. 9(1):19. Summer 1966. 100 V593
- 1149 EEDE, J. R. Production topics. Town Milk 14 (3):14-15, 17-19. Aug. 1966. 44.8 T66
New Zealand.
- 1150 ELLINGER, R. Production and consumption of milk and dairy products in the world. (Ge) Milk.-Kaserei-Zeitung 17(26):967-978. June 29, 1966. 44.8 M736
- 1151 FISCHNICH, O. E. Milk for the world: a review. (Ge) Milk.-Kaserei-Zeitung 17(26):965-966. June 29, 1966. 44.8 M736
FAO dairy program.
- 1152 FISHER, A. N. Some observations on butter production in U. S. A. and Canada. I. Observations on butter production in U. S. A. (Da) Maekkeritidende 79(33):629-634. Aug. 19, 1966. 44.8 M26
- 1153 FISHER, A. N. Some observations on butter production in U. S. A. and Canada. 2. Observations on butter production in Canada. (Da) Maekkeritidende 79(34):652-655. Aug. 26, 1966. 44.8 M26
- 1154 FRAHM, J. 75 years professional organization of dairymen. (Ge) Milk.-Kaserei-Zeitung 17(37):1453-1459. Sept. 14, 1966. 44.8 M736
- 1155 HAAS, H. L. Milk money reckoning. (Ge) Milk.-Kaserei-Zeitung 17(37):1515-1520. Sept. 14, 1966. 44.8 M736
- 1156 HAISCH, K. H., MERL, H., and KIERMEIER, F. The determination of the optimal production program. (Ge) Deut. Milk.-Zeitung 87 (37):1605-1609. Ref. Sept. 15, 1966. 44.8 Su2
Linear programming in milk plants.
- 1157 HEIBER, J. Imports not responsible for the butter surplus. (Ge) Milk.-Zeitung Welt Milch. 20(38):1208-1209. Sept. 23, 1966. 44.8 M735
- 1158 HEMMANN, A. Milk money reckoning with punched cards. (Ge) Milk.-Kaserei-Zeitung 17(37):1531-1532. Sept. 14, 1966. 44.8 M736
- 1159 HILL, R. A. The FAO/UNICEF milk supply program. (Ge) Milk.-Kaserei-Zeitung 17(26):982-984. June 29, 1966. 44.8 M736
- 1160 HOCHERL, H. Thoughts on the situation of the German dairy industry in the Common Market. (Ge) Milk.-Kaserei-Zeitung 17(37):1447-1450. Sept. 14, 1966. 44.8 M736
- 1161 HOSFORD, D. R. The future outlook of dairying. Oxford Farming Conf. Rep. Proc., 19th Conf. 66-74. 1965. 5 Ox22
- 1162 KESTEVEN, K. V. Dairy cattle raising as a prerequisite for every dairy industry. (Ge) Milk.-Kaserei-Zeitung 17(26):985-986. June 29, 1966. 44.8 M736
In developing areas.
- 1163 KEUNE, O. Progress through cooperation. (Ge) Milk.-Kaserei-Zeitung 17(26):959-960. June 29, 1966. 44.8 M736
International Dairy Congress.
- 1164 KNIPPRATH, K., and KONIG, W. Development of the private dairy industry. (Ge) Milk.-Kaserei-Zeitung 17(37):1462-1464. Sept. 14, 1966. 44.8 M736
- 1165 KNOX, W. D. The changing dairy policy arena. Nat. Ass. Anim. Breeders. Proc., 18th Annu. Conv.:111-117. 1965. 43.9 N212
Includes history.
- 1166 LEHMANN, F. Coordination between production and sale of dairy products. (Ge) Deut. Milk.-Zeitung 87(34):1509-1512; (35):1543-1545. (Concl.) Aug. 25 - Sept. 1, 1966. 44.8 Su2
- 1167 LOVIO, A. Milk in Taiwan/Formosa. (Ge) Milk.-Kaserei-Zeitung 17(26):990-991. June 29, 1966. 44.8 M736
Dairy industry.

- 1168 MADDEVER, K. Cheese, str? Double Gloucester. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):368-370. Aug. 1966. 10 G79J
- 1169 MARKS, J. J. What will dairying be like in 1980? Hoard's Dairyman 111(18):1077,1109. Sept. 25, 1966. 44.8 H65 Michigan
- 1170 MILKE, R. C. Tips to engineers and architects for plant layout. Southern Dairy Prod. J. 79(4):44,46-47,51. Oct. 1966. 44.8 S083
- 1171 MURRAY, D. L., and others. The dairy industry: project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 45,11 p. June 1966. 284.9 M58
C. R. Hoglund, A. L. Rippen, and L. E. Juers, joint authors.
Published jointly with Michigan State University, Cooperative Extension Service.
The dairy farm enterprise, by D. L. Murray, C. R. Hoglund, and A. L. Rippen; Processing plants and milk utilization, by A. L. Rippen, D. L. Murray, and L. E. Juers.
- 1172 NATIONAL DAIRY ASSOCIATION OF NEW ZEALAND. 1965 annual conference. Wellington, 1965. 28 p. 44.9 N2172
National Dairy Federation and New Zealand Cooperative Rennet Co., cooperating.
- 1173 NEW ZEALAND DAIRY PRODUCTION AND MARKETING BOARD. 35th Dominion Dairy Conference, Wellington, held on June 23rd and 24th 1966. Wellington, 1966. 80 p. 44.9 D712
- 1174 NIELSEN, A. S., and MARSDEN, A. W. Dairy instruction and education. (Ge) Molk.-Kaserei-Zeitung 17(26):996-1000. June 29, 1966. 44.8 M736
- 1175 NIENHAUS, A. The position of the German milk industry within the European Economic Community. (Ge) Molk.-Zeitung Welt Milch 20(38):1213-1217. (Cont.) Sept. 23, 1966. 44.8 M735
- 1176 NIROUMAND, K. Möglichkeiten einer Modernisierung der Milchwirtschaft persischer Städte [Possibilities of modernizing the dairy industry of Persian cities]. Giessen, Justus-Liebig- Univ. Landwirt. Fak. [Diss.] 11,112 p. 1965. 105.8 G36
Bibliography, p. 107-112.
- 1177 PEDERSEN, E. Milk production and processing in Guyana. (Ge) Molk.-Kaserei-Zeitung 17(26):994-995, map. June 29, 1966. 44.8 M736
- 1178 PEDERSEN, H. A world plan for the dairy industry. (Ge) Molk.-Kaserei-Zeitung 17(26):1004-1008. June 29, 1966. 44.8 M736
- 1179 RAO, M. B., and ANANTAKRISHNAN, C. P. Cost reduction through standardization. Indian Dairyman 18(5):181-184. May 1966. 44.8 In282
Includes raw materials in the dairy and food industries.
- Analysis and Composition
- 1180 APARICIO, M. Determination of the protein index. (Sp) Rev. Espan. Leche. 60:97-102. June 1966. 44.8 R325
In milk.
- 1181 ASHTON, W. M., and YOUSEF, I. M. A study of the composition of Clun Forest ewe's milk. II. Mineral constituents. J. Agr. Sci. [London] 67(1):77-80. Ref. Aug. 1966. 10 J622
- 1182 BELITZ, H. D. The biochemical studies of milk. (Ge) Umschau 66(8):245-249. Ref. Apr. 15, 1966. 474 U n7
Includes composition.
- 1183 BJERRE, P., and POULSEN, N. Process of crystallization of butterfat. (Da) Nord. Mejeri-Tidsskr. 32(5/6):152-153. July 1966. 44.8 N752
- 1184 BOARD, R. G. Review article: the course of microbial infection of the hen's egg. J. App. Bacteriol. 29(2):319-341. Ref. Aug. 1966. 448.39 S012
- 1185 BRUS, H. J., and others. Comparison of batches of butter prepared from milks with a low and a high cell count. (Du) Ned. Melk-Zuivelijdschr. 20(1):37-47. Ref. Jan./Mar. 1966. 44.8 N283
F. H. J. Jaartveld, E. Van Werven, and H. J. Bannenberg, joint authors.
English summary.
- 1186 BULLOCK, E. J. Variations in milk and cream tests. Dairyfarming Dig. 13(4):26-28. July/Aug. 1966. 44.8 D1443
- 1187 BUMA, T. J. The physical structure of spray milk powder and the changes which take place during moisture absorption. Ned. Melk-Zuivelijdschr. 20(2):91-112. Ref. Apr./June 1966. 44.8 N283
- 1188 BURT, R. A. Bacteria in milk; knowledge of their behaviour aids practical control. Dairyfarming Dig. 13(3):16-22. May/June 1966. 44.8 D1443
- 1189 COLENSO, R., COURT, G., and HENDERSON, R. J. Fresh cream in Worcestershire: a bacteriological study. Milk Indus. 59(4):32-36, 40. Oct. 1966. 44.8 M593
- 1190 COSSEDU, A. M., and PISANU, S. Contribution to the study of variations in the lipide and protein content of cow's milk and the yield in "spun paste" cheese. (It) Agr. Italia 12(4):11-15. Apr. 1966. 16 Ag8232
- 1191 EBNER, K. E., DENTON, W. L., and BRODBECK, U. The substitution of alpha-lactalbumin for the B protein of lactose synthetase. Biochem. Biophys. Res. Commun. 24(2):232-236. Ref. July 20, 1966. 442.8 B5236
Milk proteins.
- 1192 EWY, Z., BOBEK, S., and KAMINSKI, J. Iodine content in water and milk in Katowice voivodship. (Pol) Rozz. Nauk Roln. 88-B-2:131-136, map. Ref. 1966. 20.5 R59
English summary.
- 1193 FAIRMAN, W. D., and SEDLET, J. A rapid and sensitive method for the determination of iodine-131 in milk by ion exchange on silver chloride. Anal. Chem. 38(9):1171-1175. Ref. Aug. 1966. 381 J825A
- 1194 GALOPPINI, C., and LOTTI, G. The trans-acids in cows' milk fat. (It) Ric. Sci. Parte II. Rendic. Sez. A. Biologica (ser. 28):5:1049-1055. Ref. Sept./Oct. 1965. 475 ItRA
English summary.
- 1195 GIGLIOTTI, A. Sulla determinazione del residuo secco magro in una serie di lattici di Friuli [Determination of the non-fat solids of a series of Friulian milks]. Udine. Sta. Chim.-Agr. Sper. Pubbl. 77, 23 p. Ref. 1965. 385 U d5
- 1196 GRIFFIN, A. T. Simple coliform tester for butter. Dairyfarming Dig. 13(4):37-40. July/Aug. 1966. 44.8 D1443
Bacteria.
- 1197 HARRIGAN, W. F. The nutritional requirements and biochemical reactions of Corynebacterium bovis. J. App. Bacteriol. 29(2):380-394. Ref. Aug. 1966. 448.39 S012
Isolated from milk.
- 1198 HENDRICKX, H., MOOR, DE H., and HUYGHEBAERT, A. Free amino acids in freshly drawn raw whole milk. (Du) Ned. Melk-Zuivelijdschr. 20(2):123-139. Ref. Apr./June 1966. 44.8 N283
English summary.
- 1199 JORGENSEN, H. Occurrence of coli bacteria in cheese. (Da) Mælkeritidende 79(33):634-637. Aug. 19, 1966. 44.8 M26
- 1200 KEENAN, T. W., LINDSAY, R. C., and DAY, E. A. Acetaldehyde utilization by Leuconostoc species. Appl. Microbiol. 14(5):802-806. Sept. 1966. 448.3 Ap5
Leuconostoc dextranum and L. mesenteroides isolated from milk.
- 1201 KOETSVELD, E. E. VAN. The iodine content of milk, and of fresh and spray dried whey. Ned. Melk-Zuivelijdschr. 20(1):3-12. Ref. Jan./Mar. 1966. 44.8 N283

- 1202 LEONHARD, I. Preliminary investigations on the clotting of cow milk. (Pol) Roczn. Nauk Roln. 88-B-2:161-168. Ref. 1966. 20.5 R5K English summary.
- 1203 LING, T. W. Identification of lactobacilli. (Ch) Acta Microbiol. Sinica 11(4):600-605. Nov. 1965. 44.8 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Commun. Chin. Sci. Abstr. Bio-Med. Sci. 46:18-19. Feb. 28, 1966.
(JPRS 34,134: TT 66-30755) 241.7 Un34C
Issued by CFSIL
- 1204 LUEDECKE, L. O., and HARMON, L. G. Thermal resistance of *Pseudomonas fragi* in milk containing various amounts of fat. Appl. Microbiol. 14(5):716-719. Ref. Sept. 1966. 44.8 Ap5
- 1205 LYSTER, R. L. J., and others. Comparative biochemical studies of milks. III. Immunoelectrophoretic comparisons of milk proteins of the artiodactyla. Compar. Biochem. Physiol. 17(3):967-971. Ref. Mar. 1966. 44.8 C73
R. Jenness, N. I. Phillips, and R. E. Sloan, joint authors.
Electrophoresis of milk proteins.
- 1206 MAIR-WALDBURG, H., and HEINRICH, C. Ca and P content of Edam and Tilsiter cheeses. (Ge) Z. Lebensmittel-Untersuchung - Forsch. 130(3):168-171. Ref. 1966. 384 Z39
- 1207 MICKELSON, M. N. Effect of lactoperoxidase and thiocyanate on the growth of *Streptococcus pyogenes* and *Streptococcus agalactiae* in a chemically defined culture medium. J. Gen. Microbiol. 43(1):31-43. Ref. Apr. 1966. 44.8 J323
Bacteria of milk.
- 1208 MIKKELSEN, P., and NIELSEN, E. W. Indicator paper in the control of milk acidity at reception time. (Da) Mælkertidende 79(38):774-778. Sept. 23, 1966. 44.8 M26
- 1209 NEFF, E. Quality tests for raw milk supplies. Dairyfarming Dig. 13(4):32-36. July/Aug. 1966. 44.8 D1443
Bacteria.
- 1210 PAMIR, M. H. A study of the bactericidal effect of yoghurt. Ankara Univ. Fac. Agr. Yearbook 1964:12-16. 1965. 25 An42
- 1211 PAYENS, T. A. J., and SCHMIDT, D. G. Boundary spreading of rapidly polymerizing α s1-casein B and C during sedimentation. Arch. Biochem. Biophys. 115(1):136-145. Ref. July 1966. 381 Ar2
- 1212 PEERBOOM, J. W. C. Studies on alkaline milk phosphatase. I. Non-identity of raw and reactivated alkaline phosphatases from cream. Ned. Melk- Zuiveltijdschr. 20(2):113-122. Ref. Apr./June 1966. 44.8 N263
- 1213 PIRAUX, E. La qualité du beurre: ses composantes et les moyens de l'apprécier [The quality of butter: its components and methods of evaluating them]. I.R.S.I.A. (Inst. Encour. Rech. Sci. Indus. Agr.) Compt. Rend. Rech. 34, 170 p. Ref. July 1966. 330.9 In7C
English summary.
- 1214 RICHARDSON, G. A. Milk and milk products. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 64-81. Ref. 1966. SF61.C6
Composition and properties.
- 1215 SEALS, R. G. Further developments on the movement of radionuclides in the food chain with special reference to 131 I in milk. Tuskegee Vet. 9(2):54-60. Ref. Dec. 1965. 41.8 T87
- 1216 SEIBEL, P. Die Einwirkung von Kochsalz auf Mikroorganismen unter besonderer Berücksichtigung kasereitechnisch wichtiger Arten [The effect of cooking salt on microorganisms with special attention to types important in cheese manufacture]. Giessen. Justus-Liebig-Universität Landwirt. Fak. [Diss.] 13,83 p. 1965. 105.8 G36
Bibliography, p. 77-83.
- 1217 SHAMA, F., and SHERMAN, P. The texture of ice cream. 2. Rheological properties of frozen ice cream. J. Food Sci. 31(5):699-706. Sept./Oct. 1966. 389.8 F7322
- 1218 SHERMAN, P. The texture of ice cream. 3. Rheological properties of mix and melted ice cream. J. Food Sci. 31(5):707-716. Ref. Sept./Oct. 1966. 389.8 F7322
- 1219 SKERMAN, T. M., and JAYNE-WILLIAMS, D. J. Nutrition of corynebacteria from milk and dairy sources. J. App. Bacteriol. 29(1):167-178. Ref. Apr. 1966. 44.8 S012
- 1220 SMIDT, D. G. The form of casein particles in milk and dairy products. (Du) Ned. Zuivelbond. Off. Organ 57(41):848-850. Oct. 13, 1965. 44.9 AL3
- 1221 SOBECK-SKAL, E., and BRANDL, E. On the determination of raw milk quality by means of the reductase test with special regard to Austrian delivery conditions. (Ge) Osterr. Milchwirt. 20(20, wiss. beilage 4):51-61. Oct. 21, 1965. 44.8 Os72
English summary.
- 1222 THOMAS, S. B. Sources, incidence and significance of psychrotrophic bacteria in milk. Milchwissenschaft 21(5):270-275. Ref. May 1966. 44.8 M5933
- 1223 THOMAS, W. R., REINBOLD, G. W., and NELSON, F. E. Effect of pH of plating medium on enumeration of pasteurization-resistant bacteria in milk. J. Milk Food Technol. 29(5):156-160. May 1966. 44.8 J824
- 1224 THOMPSON, M. P. DEAP-cellulose-urea chromatography of casein in the presence of 2-mercaptoethanol. J. Dairy Sci. 49(7):792-795. Ref. July 1966. 44.8 J822
- 1225 TIMASHEFF, S. N., and others. Conformational transitions of bovine beta-lactoglobulins A, B, and C. J. Biol. Chem. 241(11):2496-2501. Ref. June 10, 1966. 381 J824
L. Mescanti, J. J. Basch, and R. Townend, joint authors.
- 1226 TSUGO, T., IWAIDA, M., and KAWAGUCHI, Y. Application of various acid dyes for estimation of protein in milk by dye-binding. J. Dairy Sci. 49(5):455-459. May 1966. 44.8 J822
- 1227 TUCKER, H. A., and PAAP, M. J. Effects of milk storage duration on various tests for abnormal milk. J. Dairy Sci. 49(2):173-175. Feb. 1966. 44.8 J822
- 1228 TUROWSKI, H. Origins of moisture variations in continuous manufacture of butter. (Ge) Mol.-Kaserei-Zeitung 17(4):102-103. Jan. 26, 1966. 44.8 M736
- 1229 TUROWSKI, H. Origins of variations in the moisture content of butter. (Ge) Mol.-Zeitung Welt Milch 19(48):1573-1574. Dec. 3, 1965. 44.8 M735
- 1230 VENTURA, J. A. The phosphate test in pasteurized butters. (Sp) Indus. Leche. 46(563):104-105, 108. June 1966. 44.8 In26
- 1231 WAES, G. Some observations on the enumeration of psychrotrophic bacteria in milk. Milchwissenschaft 21(5):282-285. May 1966. 44.8 M5933
- 1232 WALSTRA, P., and BORGGREVE, G. J. Note on the refractive index of individual milk fat globules. Ned. Melk- Zuiveltijdschr. 20(2):140-143. Apr./June 1966. 44.8 N283
Studied with electron microscope.
- 1233 WEIK, R. W., and HORWITZ, W. Comparison of the AOAC Schmid-Bondzynski-Ratzloff and official AOAC methods for determining the fat content of cheese. Ass. Offic. Anal. Chem. J. 49(3):515-517. June 1966. 381 As7
- 1234 WEIK, R. W. Determination of salt in butter. Ass. Offic. Anal. Chem. J. 49(3):518-521. June 1966. 381 As7
- 1235 WILKINS, E. D. Thermometers used in the cheese industry. Dairyfarming Dig. 13(3):38-40. May/June 1966. 44.8 D1443
In Australia.
- 1236 WINKELMANN, F. Coordination of standardization operations in the field of milk research in Germany. (Ge) Mol.-Kaserei-Zeitung 17(4):677-678. May 4, 1966. 44.8 M736
- 1237 ZITTE, C. A., and CUSTER, J. H. Identification of the k-casein among the components of whole goat casein. J. Dairy Sci. 49(7):788-791. Ref. July 1966. 44.8 J822

Consumption and Utilization

- 1239 BURK, M. C., and HAMMILL, A. E. Milk consumption patterns of a sample of Iowa women. *Amer. Diet. Ass. J.* 49(4):319-325. Oct.1966. 389,8 Am34
- 1239 DAVIS, J. G. Profitable uses of separated and low fat milk by smaller dairies. *Milk Indus.* 59(3):20-24. Sept.1966. 44,8 M593
- 1240 GROVES, F. W., and GRAF, T. F. An economic analysis of whey utilization and disposal in Wisconsin. *Wis. Univ. Coll. Agr. Dep. Agr. Econ. Agr. Econ.* 44,61 p. July 1965. 281,9 W75
- 1241 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Summary of purchases and utilizations of dairy products under the price support program, 1965-66 marketing year. Washington, 1966. 14 p. aHD9275.U4A3 Statistics.

Distribution, Marketing, and Transportation

- 1242 BABB, E. M. Changing marketing patterns and competition for fluid milk. *J. Farm Econ.* 48 (3,pt.2):53-68. Ref. Aug.1966. 280,8 J822
- 1243 BAY OF ISLANDS CO-OPERATIVE DAIRY CO. 65th annual report and balance sheet, 31st May, 1966. Moerewa, 1966. 25 p. 280,2449 B34
- 1244 CARLEY, D. H., and PURCELL, J. C. Patterns of fluid milk distribution in the Southeast, 1959 and projected 1975. *Southern Coop. Ser. Bull.* 105,71 p.,map. June 1965. 100 G298o
- 1245 GRAF, T. F. Cheese production in the United States. *Nat. Comm. Food Marketing, Tech. Stud.* 3(sup.1),78 p. June 1966. HD9001.A3 Marketing.
- 1246 HENDERSON, L. Marketing of milk and dairy products. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.753-765. 1966. SF61.C6
- 1247 JUERS, L. W., and GROVES, F. W. Organization and competition in the dairy industry. *Nat. Comm. Food Marketing, Tech. Stud.* 3,409 p. June 1966. HD9001.A3
- 1249 MASON, D. Milk for children and a place in the sun for Kaira's farmers. *Freedom Hunger* 7(44):14-19. Sept./Oct.1966. 389,8 F872
- 1249 MCCLAIN CO., (EDWARD B.). Distribution survey. *Milk Dealer* 56(1):48-49. Oct.1966. 44,8 M595
- 1250 MOA FARMERS' CO-OPERATIVE DAIRY CO. Seventy-first annual report and balance sheet, 1966. Inglewood, New Zealand, 1966. 16 p. 280,2449 M71
- 1251 NERTINGER, J. Cooperation in the dairy industry. (Ge) *Deut. Milk-Zeitung* 87(36):1575-1576. Sept.8,1966. 44,8 Su2
- 1252 NEW ZEALAND CO-OPERATIVE DAIRY CO. Annual report and balance sheet, 1966. Hamilton, 1966. 20 p. 44,9 N488
- 1253 PINARD, G. Trends in whole milk merchandising. *Can. Dairy Ice Cream J.* 45(9):19,21-22. Sept.1966. 44,8 C162
- 1254 ROGERS, W. Food brokers play new dairy industry role. *Milk Dealer* 56(1):73,76. Oct. 1966. 44,8 M595
- 1255 SMITH, L. P. Changes in distribution of milk production in England and Wales. *Outlook Agr.* 4(6):302-309. 1965. 10 Ou8

- 1256 SOCIEDAD COOPERATIVA DE TAMBEROS DE LA ZONA DE ROSARIO. Memoria y balance correspondiente al XXVIII ejercicio comprendido entre el 1° de junio de 1965 al 31 de mayo de 1966 [Report and balance-sheet for the XXVIII season between June 1, 1965 and May 31, 1966]. Rosario, 1966. 87 p. 280,2449 So1
- 1257 STAMER, H. Milk or milk-fat production: the problem as viewed by market research. (Ge) *Agrarwirtschaft* 15(8):255-259. Aug.1966. 281,8 Ag826
- 1258 U. S. CONSUMER AND MARKETING SERV. Dairy market statistics, 1965; annual summary of market statistics. U. S. D. A. *Statist. Bull.* 371,35 p. Mar.1966. 1 Ag84St
- 1259 U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. Sources of milk for Federal order markets by State and county. U. S. Consum. Marketing Serv. C&MS-50,52 p.,map. Sept. 1966. A280,39 C762

Grading, Inspection, Standardization, and Quality

- 1260 AHRENS, P. The prohibition to mix butter. *Deut. Milk-Zeitung* 87(36):1573-1575. Sept.8, 1966. 44,8 Su2
- 1261 BALLESTER CRESPO, P. Commercial quality of pasteurized milk. (Sp) *Rev. Espan. Leche.* 60:93-95. June 1966. 44,8 R325
- 1262 BRUCE, R. S. Radioactivity in milk in the United Kingdom, 1962-1965. *Radiol. Health Data Rep.* 7(6):326-330,map. June 1966. 151,65 R11
- 1263 COPENHAGEN, SUNDHEDSKOMMISSIONEN. Dyrslaeger. Arsbereitning. [Veterinarians. Annual report], 1965. Kobenhavn, 1965. 40 p. 280,39 C79
- 1264 GRAF, T. F. One grade of milk. *Milk Dealer* 55(12):66-67,70-72. Sept.1966. 44,8 M595
- 1265 HEDGES, R. Factors affecting the keeping quality of milk. *Farming Zambia* 2(1):23-25. Oct.1966. 519,F3
- 1266 KOCH, G. DLG quality testing for fresh cheese in consumer packages. (Ge) *Deut. Milk-Zeitung* 87(37):1615-1616. Sept.15,1966. 44,8 Su2
- 1267 KYNAST, S. DLG quality testing 1966 for drinking milk. (Ge) *Molk-Zeitung Welt Milch* 20(38):1209-1210. Sept.1966. 44,8 M735
- 1269 LOEPER, H. F. VON. The most important changes in the cheese regulation. (Ge) *Molk-Zeitung Welt Milch* 20(40):1263-1264. Oct.7, 1966. 44,8 M735
- 1269 REITER, B., and others. Studies on cheese flavour. *J. App. Bacteriol.* 29(2):231-243. Ref. Aug. 1966. 44,8 S12
- 1270 RUBIS, J. A. Why not sell a grade AA Cheddar cheese. *Amer. Dairy Rev.* 28(10):86,88. Oct. 1966. 44,8 Am38
- 1271 SJETNE, O. Judging of ice cream. (No) *Meieriposten* 55(34):737-742. Aug.27,1966. 44,8 M47
- 1272 STACEY, C. W. Public health control in the dairy industry. *Milk Indus.* 59(4):37-40. Oct. 1966. 44,8 M593
- 1273 STEHLE, G. Results of the DLG tests for mixed milk beverages and fermented milk products 1966. (Ge) *Deut. Milk-Zeitung* 87(35):1541-1542. Sept.1,1966. 44,8 Su2
- 1274 SWARTLING, P. The quality of milk stored on the farm at very low temperature in the case of bulk tank collecting every two days. (Fr) *Tech. Lait.* 531:13,15,17. Sept.20,1966. 44,8 O12
- 1275 U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. STANDARDIZATION BR. A summary of laws and regulations affecting the cheese industry. U. S. D. A. *Agr. Handbook* 265,rev.,56 p. July 1966. 1 Ag84Ah

Packing and Packaging

- 1276 BALLARD, P. J. M. Flexible plastic sachets as single service containers. Town Milk 14(3): 4-6. Aug.1966. 44.8 T66
Milk containers in New Zealand.
- 1277 DEVRIENDT, K. L. Problem of dairy product packaging. (Fr) Belg. Lait. 111:15-16,21. Sept.1966. 44.8 B412
- 1278 HARRIS, R. P. Making a profit on retail de-liverly through packaging. Milk Dealer 55(12): 55-58. Sept.1966. 44.8 M595
- 1279 KELLY, N., EVANS, W., and DUDDLESTON, J. M. "Total" approach to dairy packaging covers all the bases. Milk Dealer 56(1):84-85. Oct.1966. 44.8 M595
Chiefly to reduce costs.
- 1280 NIELSEN, V. H. Causes and cures for swelling of packaged ice cream. Amer. Dairy Rev. 28 (10):92,202-204. Oct.1966. 44.8 Am38
- 1281 PEERBOOM, J. W. The analysis of cheese coatings. I. General considerations identification of plasticizers. Ned. Melk- Zuiveltijd. schr. 20(1):48-72. Ref. Jan./Mar.1966. 44.8 N283

Prices, Price Control, and Rationing

- 1282 SPENCER, L. Proposed changes in Federal order pricing of class I milk. Amer. Dairy Rev. 28(10):154,156,158,160,215-217. Oct.1966. 44.8 Am38

Processing and Storage

- 1283 ALM, J. L. Delicatessen production in a dairy plant? Milk Dealer 55(12):52-54. Sept. 1966. 44.8 M595
Production of convenience foods by dairies.
- 1284 BLEUMINK, E. Preparation of alpha-lactalbumin from milk whey by precipitation with acetone. Ned. Melk- Zuiveltijdschr. 20(1):13-16. Jan./Mar.1966. 44.8 N283
- 1285 BURK, J. A contribution to the efficient manufacture of yoghurt. (Ge) Deut. Milk.-Zeitung 87(34):1512-1515. Aug.25,1966. 44.8 Su2
English summary.
- 1286 COMPAIRE FERNANDEZ, C. Study of "tetilla" cheese. (Sp) Rev. Espan. Leche. 60:73-91. June 1966. 44.8 R325
Manufacture.
- 1287 COUSINS, C. M., DAWKINS, J., and HOYLE, J. B. Automatic spray cleaning of bulk milk tanks. Farm Mech. 18(204):16-19. Aug.1966. 58.8 B772
- 1288 DEMIRER, M. A. Study on the technology of "Grana" cheese. (Tu) Ankara Univ. Vet. Fak. Dergisi 12(1/2):112-123. 1965. 41.9 AnD
French summary.
- 1289 DEVELOPING dairy research; Moorepark present and future. Farm Res. News 6(3):56-66. May/June 1965. 10.5 F223
National Dairying Research Centre, Moorepark, Ireland.
- 1290 FISCHER, F. Manufacture of dried milk with the Lurgi pulverization process. (Ge) Fette, Seifen, Anstrichmittel 68(8):628-630. Aug. 1966. 384 C422
- 1291 GALESLOOT, T. E. Cleaning and disinfection in the dairy industry. Milk Indus. 59(3):27-28, 30-31. Sept.1966. 44.8 M593
- 1292 GROSSMANN, U., and FROHLICH, M. A new uperization system for ultra-high heating. (Ge) Schweiz. Milchzeitung 92(77):610. Sept.27,1966. 44.8 Sch92
- 1293 HANSEN, J. Manufacture of recombined sweetened condensed milk in Asia. (Da) Nord. Mejeri-Tidsskr. 32(7):199. 1966. 44.8 N752
- 1294 HAYTER, R. Improved methods of handling milk from processing to retail depots. 1. Milk Indus. 59(3):38-40. Sept.1966. 44.8 M593
Great Britain.
- 1295 HAYTER, R. Improved methods of handling milk from processing to retail depots. 2. Milk Indus. 59(4):42,44,48. Oct.1966. 44.8 M593
- 1296 HEGYESI, P. High quality of starters as an essential factor in the manufacture of yoghurt. (Rum) Indus. Aliment. 16(9):476-478. Sept. 1965. 389.8 In26
English summary, p.3 of supplement.
- 1297 INDIA, NATIONAL DAIRY RESEARCH INSTITUTE. Annual report 1961-62. Faridabad, 1965. 97 p. 1965. 44.9 Im7
- 1298 JUREIT, S. Comparison of manufacturing costs for fresh cheese. (Ge) Milk.-Kaserei-Zeitung 17(37):1467-1470. Sept.14,1966. 44.8 M736
- 1299 KELLY, F. Long-life cream development in Ireland. Dairy Indus. 31(9):725-727. Sept. 1966. 44.8 D1427
- 1300 KIERMEIER, F. Independent research as a prerequisite for the progress of dairy science. (Ge) Milchwissenschaft 21(8):487-492. Ref. Aug.1966. 44.8 M5933
English summary.
- 1301 LO, C. Y., and others. A study of the lactose crystallization method of producing quick-dissolving powdered whole milk. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:35-41. Sept.1965. Not in Libr.
W. S. Wang, P. F. Chang, Y. T. Wang, and H. H. Hao, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:77-78. Mar.2,1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 1302 MANN, E. J. Ice cream technology. 2. Dairy Indus. 31(9):737-738. Ref. Sept.1966. 44.8 D1427
- 1303 MANTZANAS, N. Technology in the production of Feta cheese from cow milk. (Gre) Delt. Agrotikes Trapezes 150:4-8. May/June 1966. 21.7 D38
- 1304 MITTEN, H. L. Adjusting to high speed, high temperature operations. Milk Dealer 56(1):54, 56-58. Oct.1966. 44.8 M595
Dairy processing equipment.
- 1305 MOL, J. J. Experiences with a new fungicide in the control of molds on cheese rind. (Du) Ned. Melk- Zuiveltijdschr. 20(1):73-84. Jan./Mar.1966. 44.8 N283
English summary.
Pimaricin.
- 1306 NEITZKE, A. Urgent problems of dairy economics. (Ge) Milchwissenschaft 21(8):501-503. Aug.1966. 44.8 M5933
English summary.
Research.
- 1307 PERROCHON, H. Let us not forget the cheese. (Fr) Ann. Agr. 5:77-79. 1965/66. 17 An73
Includes manufacture.
- 1308 RAMCHANDANI, H. W. Spray drying in the milk industry. Indian Dairyman 18(7):255-258. July 1966. 44.8 In282
- 1309 ROBERTSON, P. S., and BYSOUTH, R. New developments in pre-pressing and vacuum pressing of cheese. Dairy Indus. 31(9):721-724. Ref. Sept.1966. 44.8 D1427
- 1310 RUHMANN, H. Milk cooling procedures for selection. (Ge) Mitt. Deut. Landwirt.-Ges. 81(31):1191-1194. Aug.4,1966. 18 N39
- 1311 SAINCLIVIER, M., KERHERVE, L., and BARBIER, N. Disinfection with iodophors in dairying. (Fr) Rev. Lait. Franc. 235:507-515. Ref. Sept.1966. 44.8 In2
- 1312 SCHEIB, B. J. Iodine compounds prove effective in dairy plant sanitation. Milk Dealer 56(1):82-83. Oct.1966. 44.8 M595
- 1313 SCHULZ, M. E. Dairy technology. (Ge) Deut. Milk.-Zeitung 87(35):1546-1547. (Cont.) Sept.1,1966. 44.8 Su2

- 1314 SCHULZ, M. E. Urgent problems of dairy technology. (Ge) *Milchwissenschaft* 21(8): 497-501. Aug. 1966. 44.8 M5933 English summary.
- 1315 SEELEMAN, M. Cooling and every-other-day delivery of milk. (Ge) *Molk.-Zeitung Welt Milch* 20(40):1267-1268. (Cont.) Oct. 7, 1966. 44.8 M735
- 1316 SPECK, M. L. Safeguarding our milk. U. S. D. A. Yearbook Agr. 1966:61-68. 1 Ag84Y Sanitation and regulation.
- 1317 STEL, G. H. Review of the research carried out in 1965 by the Netherlands Institute for Dairy Research [Nederlands Instituut voor Zuivelonderzoek]. (Du) *Alg. Zuivelbl.* 59(19): 344-347. Sept. 19, 1966. 44.8 AL32
- 1318 THRIPP, R. C., AMUNDSON, C. H., and RICHARDSON, T. High milkfat powders—a study involving their preparation, method of measuring physical instability, and determination of the relationship of processing variables to physical stability. *Manufactured Milk Prod. J.* 57(9):6-10. Ref. Sept. 1966. 286.85 B98Bu
- 1319 TOBIAS, J. One of the most important steps in making a quality ice cream is the mix pasteurization. *Amer. Dairy Rev.* 28(10):111, 166. Oct. 1966. 44.8 Am38
- 1320 TOLLE, A. Actual problems of milk hygiene. (Ge) *Milchwissenschaft* 21(8):493-497. Aug. 1966. 44.8 M5933 English summary.
- 1321 TOURVILLE, D. R. The case of the dead vats. *Vt. Farm Home Sci.* 9(1):4-5. Summer 1966. 100 V593 Killing of lactic-acid producing bacteria by bacteriophage, a problem in cheesemaking industry.
- 1322 TRENDS towards the mechanisation of yogurt manufacture in Europe. *Milk Indus.* 59(3):32-34. Sept. 1966. 44.8 M593
- 1323 U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Facts about pasteurization of milk. U. S. D. A. Leaflet, 408, slightly rev., 6 p., folder. Aug. 1966. 1 Ag84L
- 1324 WITTIG, A. B. Advanced heat treatment and homogenization of milk products. (Da) *Nord. Mejeri-Tidsskr.* 32(5/6):161. July 1966. 44.8 N752
- Statistics
- 1325 BEVINS, M. I., and SYKES, J. G. Vermont dairy and poultry profile. *Vt. Agr. Exp. Sta. Misc. Publ.* 40, 43 p., map. June 1966. 100 V59M Statistics.
- 1326 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California dairy industry statistics for 1965; manufactured dairy products, milk production, utilization and prices. Sacramento, 1966. 77 p. 281.3449 C122 California Bureau of Agricultural Statistics and Statistical Reporting Service of U. S. Department of Agriculture, cooperating.
- 1327 SWITZERLAND BAUERNSEKRETARIAT. Dairy statistics of Switzerland 1965. (Ge) *Landwirt. Jahrbuch Schweiz* 80(67):1-77. 1966. 17 L23 Text also in French.
- 1328 WASHINGTON STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: U. S. dairy products. Wash. State Univ. Ext. E. M. 2415, rev., 2 p. June 1966. 275.29 W27M1
- FEED AND FORAGE CROPS
- 1329 AKOPYAN, E. SH. Decontamination of fodder contaminated with the anthrax pathogen. 10 p. (JPRS 9562; OTS 61-23898) Transl. 14858 With formaldehyde. Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Veterinarnoi Sanitatsil. Trudy 15(15):204-212. 1959. Issued by CFSTI.
- 1330 ARCHAMBAUD, J., and LEVY, B. R. The ideal compound feed factory. (Fr) *Indus. Aliment. Agr.* 83(6):735-743. June 1966. 383 As7 English summary.
- 1331 ASYUTINA, E. I. Improvement of feed yeast manufacture. (Rus) *Gidrolizn. Lesokhim. Promysh.* 2:23-24. 1965. 301.8 G36
- 1332 BARKER, E. How about a career in the feed industry. *Hoard's Dairyman* 111(18):1126-1127. Sept. 25, 1966. 44.8 H65
- 1333 BOUDREAUX, E. C. Pesticide residues in feeds. *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ.* 23:55-58. 1965/66. 389.79 As7
- 1334 BOYD, L. AFMA and feed control. *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ.* 23:36-38. 1965/66. 389.79 As7
- 1335 CASTELLA BERTRAN, E. Contribution to the methods for detection of feed adulteration with hydrolyzed feather meal. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:61-75. 1964-65. 41.9 M262 English summary.
- 1336 COLLEY, R. J. The utilisation of grassland, concentrates and roughages for stock feeding. *Farm Econ. [Oxford]* 11(1):24-30. 1966. 281.8 F223 Includes feed requirements.
- 1337 DAGHETTA, A. The stabilization of salts of oligo-dynamic elements in animal nutrition. (It) *Aliment. Anim.* 10(8/9):383-386. Aug./Sept. 1966. 389.78 AL4
- 1338 DAVYDOVA, YU. S. Azotropic method of obtaining fish meal. 8 p. (JPRS 23,470; OTS 64-21691) Transl. 15480 Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy 45:139-142. 1962. CFSTI: \$0.50.
- 1339 DAY, C. L., and PANDA, H. H. Physical properties of alfalfa hay. 1. Specific weight of chopped hay fragments. 2. Porosity of alfalfa hay masses. *Mo. Agr. Exp. Sta. Bull.* 909, 11 p. June 1966. 100 M693
- 1340 DEYO, C. W. Relationship of amino acids to upgrading protein quality of feedstuffs. *Merck Agr. Memo* 10(4):1-2.5. Mar. 1966. 41.8 M53 From corn and sorghum.
- 1341 FABIJANSKA, M., ABBAGROWICZ, F., and SZYMONA, K. Effect of preparation and preservation of samples of some green and silage fodders and cow faeces on the results of analytical determinations. (Pol) *Rocz. Nauk Roln.* 87-B:4:545-554. 1966. 20.5 R59 English summary. Alfalfa green and grass silage.
- 1342 FEDOROV, N. N., and MOZHAEV, V. P. Accumulation register used in feed accounting. (Rus) *Uchet Finansy Kolkhoz. Sovkhov.* 8:6-7. Aug. 1966. 30.69 Uc4
- 1343 FELLERS, D. A., and others. Protein concentrates by dry milling of wheat middlings. *Northwest. Miller* 273(10):18, 20, 22-24, 28. Ref. Oct. 1966. 298.8 N81 A. D. Shepherd, N. J. Bellard, and A. P. Mossman, joint authors.
- 1344 FERRANDO, R. The animal feed industry; present state and prospects. (Fr) *Indus. Aliment. Agr.* 83(6):677-680. June 1966. 383 As7
- 1345 GERCHTER, C. B., and SECHTER, I. Comparison of methods for the isolation of *Salmonella* from bone meal. *Appl. Microbiol.* 14(5): 711-715. Ref. Sept. 1966. 448.3 Ap5
- 1346 GREER, R. C., and DAHL, D. C. Industrial, geographic changes in Minnesota feed manufacturing. *Feedstuffs* 38(28):32-33, map. July 16, 1966. 286.81 F322
- 1347 HONGSLO, T. Control of feedstuffs and feed mixtures. (No) *Fjorfe* 83(7/8):135-140. July/Aug. 1966. 47.8 T432
- 1348 KIRK, L. D., MUSTAKAS, G. C., and GRIFFIN, E. L. Crambe seed processing improved feed meal by ammoniation. *Amer. Oil Chem. Soc. J.* 43(9):550-555. Ref. Sept. 1966. 307.8 J82

- 1349 KONING, A. J. DE, and MCMULLAN, K. B. Phospholipids of marine origin. III. The pilchard (*Sardina ocellata*, Jenyns) with particular reference to oxidation in pilchard meal manufacture. *J. Sci. Food Agr.* 17(8):385-388. Ref. Aug. 1966. 382 So12
- 1350 KREBS, O. Sufficient feed through high catch crop production. (Ge) *Feldwirtschaft* 7(6): 285. June 1966. 18 W763
- 1351 MAKSAKOV, V. YA., and others. Stabilization of carotene in grass meals. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:87-90. Ref. July 1966. 20 V633
L. E. Dolgoruchenko, N. A. Miroshnichenko, and M. K. Shakhova, joint authors.
English summary.
Proper preservation.
- 1352 MALETT, S. Ionizing radiation and animal feeds. (It) *Riv. Zootec.* 39(7/8):399-406. July/Aug. 1966. 49 R52
- 1353 MCARTHUR, J., and TAYLOR, G. C. Feasibility of establishing alfalfa dehydrating plants in Northwest Resource Conservation and Development Project areas. U. S. D. A. Econ. Res. Serv. ERS-296, 14 p. July 1966.
A281.9 Ag83E
Upper Willamette, Oregon; and Idaho-Washington project areas.
- 1354 MINSAS, J. Manufacture of feed concentrates. (No) *Fjorfe* 83(7/8):145-149. July/Aug. 1966. 47.8 T432
- 1355 MOORE, L. A. Evaluation of feeds for ruminants. *Feedstuffs* 38(28):18-20, 23. Ref. July 16, 1966. 286.81 F322
- 1356 MOSSEL, D. A. A. The tropical countries as the principal sources of materials contaminated by *Salmonella*: actual situation and means of correction. (Fr) *Soc. Pathol. Exot. Bull.* 58(4):687-695. Ref. July/Aug. 1965. 448.9 So13
English summary.
Contaminated feed.
- 1357 MUELLER, A. G. On-farm feed processing and handling—what are the economics? *Hog Prod.* 2(3):16-18. Apr. 1966. 46.8 H675
In Canada.
- 1358 MUNCK, L. The problem of quality concerning cereal for feed with special respect to the effect of heat at different moisture content on amino acid availability. (Sw) *Sveriges Utsädesören. Tidskr.* 76(2/3):194-212. Ref. 1966. 61.9 Sv23
English summary.
- 1359 NAGARCENKAR, R., and ANANTAKRISHNAN, C. P. Crop patterns for dairying and animal feeds. *Indian Dairymen* 18(7):249-254. July 1966. 44.8 In282
Chiefly forage statistics.
- 1360 NELSON, D. C., and AUSTIN, P. E. Analysis of feed manufacturing costs; how big should your plant be? *Feedstuffs* 38(35):56-58, 60. Sept. 3, 1966. 286.81 F322
- 1361 NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Inspection of commercial feeds, fertilizers, and agricultural liming materials, sold in New York State, January 1 to December 31, 1964. N. Y. (State) Agr. Exp. Sta. Bull. 810, 98 p. June 1965. 100 N48
- 1362 OLIVE, J. P. Twenty years of progress in research; twenty years of development in the compound feed industry. (Fr) *Indus. Aliment. Agr.* 83(6):883-894. June 1966. 383 As7
- 1363 PILAR GALVEZ MORROS, M. Qualitative evaluation of amino acids in feeding mixtures by means of chromatography. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:95-103. 1964-65. 41.9 M262
- 1364 RATCLIFF, R. G. The feed industry's view on control. *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Publ.* 23:51-54. 1965/66. 389.79 As7
- 1365 RODIONOVA, G. S., and others. Adaptation of feed yeasts to furural. (Rus) *Gidroliz. Lesokhm. Pronysh.* 2:3-5. 1965. 301.8 G36
G. I. Vorob'eva, A. P. Kryuchkova, and V. G. Stepanenko, joint authors.
- 1366 ROIG MIRO, J. Is deficient wheat returning? (Sp) *Avicult. Tec.* 17(7/8):377-378. July/Aug. 1966. 47.8 Av57
Situation of wheat as feed in Spain.
- 1367 RUTKOWSKI, A., and CHODKOWSKA-LOSSOW, B. Available lysine in plant protein concentrated feed. (Pol) *Rocz. Nauk Roln.* 88-B-2: 217-224. Ref. 1966. 20.5 R59
English summary.
- 1368 SILGUY, C. DE, HY, M., and LE BIHAN, J. Weaning feeds. (Fr) *Indus. Aliment. Agr.* 83(6):727-731. June 1966. 383 As7
Industry.
- 1369 SKOLA, V. Industrial production of feed proteins in Czechoslovakia. (Ge) *Za Sotsialist. Sel'skokhoz. Nauk.* 15(1):17-44, map. 1966. 64.8 Z1
English summary.
- 1370 TOTH, A. Satisfying disintegrating requirements in mixed feed production with sledge mills. (Hu) *Malomipar Termenyforgalom* 13(3):86-90. May/June 1966. 298.8 M292
- 1371 WILLIAMS, F. H. Stock foods for 1966. *J. Agr. [Melbourne]* 64(8):380, 382. Aug. 1966. 23 V66j
Inspection.
- 1372 WOLDEN, T. H. Statistical survey of feed concentrates consumption for poultry. (No) *Fjorfe* 83(7/8):150. July/Aug. 1966. 47.8 T432
- 1373 WRIGHT, S. War on freight rates. *Tex. Nutr. Conf. Proc.* 20th Annu. Conf.:101-106. 1965. 389.79 T31
Feed transportation by rail.
- 1374 ZELTER, S. Z., and DELORT-LAVAL, J. Influence of technological treatments on the effectiveness of feeds. (Fr) *Indus. Aliment. Agr.* 83(6):703-712. Ref. June 1966. 383 As7

FIBERS AND TEXTILES

- 1375 ACHWAL, W. B., and PITALE, B. B. Acid hydrolysis of melamine-formaldehyde resins condensed on cotton fabrics in presence of different catalysts. *Textile Res. J.* 36(9):844-848. Ref. Sept. 1966. 304.8 T293
- 1376 ALDRICH, V. The application of radioisotopes in a study of fibre breakage during recombining on the rectilinear system. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 79, 25 p. July 1966. 304.9 So83T
- 1377 ALGERINO, A. Tecnologia della tintura delle fibre tessili [Technology of textile fiber dyeing]. Biella, Laniera, 1966. 2 v. TP897.A4
Chapter II deals with the various fibers, their chemistry, structure, and properties.
- 1378 ASQUITH, R. S., and WATSON, P. A. The validity of N-terminal amino acid determination of keratin fractions. *Textile Res. J.* 36(8):763. Aug. 1966. 304.8 T293
In wool.
- 1379 BARELLA, A. The application of the "stelo-meter" to measurement of wool strength in fiber bundles. *Textile Res. J.* 36(8):759-761. Aug. 1966. 304.8 T293
- 1380 BINDER, M., and FRANCL, F. Twenty years of Czechoslovak flax growing. (Cz) *Len Kono-pi* 5:3-19. 1965. 73.8 L543
English summary.
- 1381 BRITISH and Commonwealth textile industry [excluding Lancashire and Yorkshire], 75th edition, 1965. Oldham, Worrall, 1965. 666 p. 304 B776
Directory.
- 1382 BRITISH WOOL MARKETING BOARD. 16th annual report & accounts 1966. Brentford, Middlesex, 1966. 19 p. 280.3459 B77
- 1383 BRYSSON, R. J., and TRASK, B. J. Measurement of the ultraviolet optical characteristics of cotton. *Textile Res. J.* 36(8):753-756. Aug. 1966. 304.8 T293
- 1384 BURR, F. K., FOX, K. R., and PANTO, J. S. Jute—new visions for an old fiber. *Textile Res. J.* 36(9):794-799. Sept. 1966. 304.8 T293
Consumption and new products.

- 1385 CREMONESI, P. Methods of acrylonitrile polymerization with cellulose fibers. (It) Ric. Doc. Tessile 3(2):67-71. Ref. Apr./June 1966. 304.8 R36
- 1386 DALGETY. Annual wool digest, season 1965-66. Sydney, 1966. 65 p. 266.3459 D15
New Zealand Limited, cooperating.
Includes statistics.
- 1387 DARUWALLA, E. H. Research in dyestuffs and textiles: review of work done in India in 1965. Indian Textile J. 76(910):444-448. (Cont.) July 1966. 304.8 In2
Review of literature.
Includes fiber properties.
- 1389 DIDIER, I. M. S-l-r-e-t-c-h fabrics. N. Dak. State Univ. Ext. Circ. A-486, 2 p. Feb. 1966. 275.29 N612Sa
- 1389 DU TOIT, E. H., and LOUW, D. F. Dichloro-succinic acid pretreatment of wool prior to shrinkproofing with polyacrylate resin. S. Afr. Wool Textile Res. Inst. Tech. Rep. 65, 13 p. Nov. 1965. 304.9 So83T
- 1390 DUCK, E. W., and FRIEDL, A. R. The shrinkproofing of wool using modified polybutadiene rubbers. Textile Res. J. 36(8):724-729. Ref. Aug. 1966. 304.8 T293
- 1391 ENDER, C. S. Woolmark—yesterday—today & tomorrow. Can. Textile J. 83(18):41-44. Sept. 2, 1966. 304.8 C16
Certification mark of the International Wool Secretariat.
- 1392 FERREIRA, C. H. G. Competitors of sisal. (Por) Gaz. Agr. Angola 11(7):1198-1199. July 1966. 24 G252
- 1393 FEUGHELMAN, M., and WATT, I. C. Tor sional properties of chemically modified wool fibers. Textile Res. J. 36(9):849-850. Sept. 1966. 304.8 T293
- 1394 FINLEY, E. L. Influence of cotton fiber elongation on fabric properties of Type 140 cotton sheeting. La. Agr. Exp. Sta. Bull. 610, 20 p. Ref. Apr. 1966. 100 L93
- 1395 FLANAGAN, S. P. Irish wool; what do we know about it? Farm Res. News 6(4):77-81. July/Aug. 1965. 10.5 F223
Grading.
- 1396 FORTRESS, F. A fiber producer's view. Mod. Textiles Mag. 47(11):48-50. Nov. 1966. 304.8 R21
Durable press.
- 1397 GIL MONTERO, J. Recovery of chemical products in textile plants. (Sp) Ion 26(300):391-393. July 1966. 385 I6
Includes fiber processing.
- 1399 GODAWA, T. O., and HELER, Z. M. M. DEN. On the processing characteristics of South African wools. II. German Merino (7/9-months). S. Afr. Wool Textile Res. Inst. Tech. Rep. 58, 10 p. Ref. Sept. 1965. 304.9 So83T
- 1399 GODAWA, T. O. Studies on the forepart of the continental card. S. Afr. Wool Textile Res. Inst. Tech. Rep. 68, 21 p. May 1966. 304.9 So83T
- 1400 GREAT BRITAIN. COMMONWEALTH ECONOMIC COMMITTEE. Industrial fibres: a review. London, 1966. 244 p. 280.39 G794C
Statistics included.
- 1401 GROSECLOSE, M. Fabric labels. Va. Polytech. Inst. Ext. Leaf. 287, 4 p. June 1966. 275.29 V81L
- 1402 GROSECLOSE, M. Today's fabrics. Va. Polytech. Inst. Ext. Leaf. 289, 6 p.-folder. June 1966. 275.29 V81L
Identification.
- 1403 GROVE, C. C., and ALBERTYN, D. Modifications to the rapid method for the determination of residual grease. S. Afr. Wool Textile Res. Inst. Tech. Rep. 77, 6 p. July 1966. 304.9 So83T
- 1404 GRUONER, S. Spinning problems in the half-worsted-yarn sector. (Ge) Mellandi Textilber. 47(9):968-974. Sept. 1966. 304.8 T312
- 1405 GUNNE, I., and SAMUELSON, O. Determination of carbonyl groups in cotton by the hydrazine method. Svensk Papperstidn. 69(11):391-394. Ref. June 15, 1966. 302.8 Sv2
- 1406 HELJER, Z. M. M. DEN. The influence of various wetting agents on the Basolan shrinkproofing process. S. Afr. Wool Textile Res. Inst. Tech. Rep. 80, 10 p. Aug. 1966. 304.9 So83T
- 1407 HELM, E. Acetate and triacetate—today. (Ge) Chemiefasern 16(8):618-622, 624, 626. Aug. 1966. 304.8 J45
- 1409 HIGGINS, E. B. Finishing for water repellency. Textile Inst. Indus. 4(9):255-257. Sept. 1966. 304.8 T3133
- 1409 HILL, D. D., and MICHIE, R. I. C. Nonwoven fabric studies. IX. Characterization of binder distribution. Textile Res. J. 36(9):787-794. Ref. Sept. 1966. 304.8 T293
- 1410 HOCH, P. E., WAGNER, G. M., and VULLO, W. J. The bactericidal properties of THPC-resinated cotton fabric. Textile Res. J. 36(8):757-758. Aug. 1966. 304.8 T293
- 1411 HOLLOWAY, M. The people speak on shirts and slips. R. I. Agr. 12(3):6. June 1966. 100 R342
- 1412 INDIAN JUTE MILLS ASSOCIATION RESEARCH INSTITUTE. Annual report 1965. Calcutta, 1966. 79 p. 304.9 In22
- 1413 JACOB, J. M. New method for the calculation of a table for the regulation of the Uster automatic dynamometer in the case of combed wool yarn. (Fr) Indus. Textile Belg. Belg. Textiel-nijverheid 8(9):63, 65, 67, 69-70, 73, 75-76, 79, 81. Sept. 1966. 304.8 In29
- 1414 JAYME, G., and HARDERS-STEINHAUSER, M. Microscopic investigation of Arundo donax L. and the cellulose made from it. 4 p. Transl. 15540
Translation from Papier-Fabrikant 40(23/24):89-93. 1942.
- 1415 JOHNSTON, A. Standards for preparing and marketing grease wool for wool growers and wool pools. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 212, 7 p. June 1965. 100 W99M
- 1416 KACHELMUSS, H. J. Double belt rolls in worsted spinning. (Ge) Mellandi Textilber. 47(7):723-727. July 1966. 304.8 T312
- 1417 KAUSCH, W. Permanent press. (Ge) Mellandi Textilber. 47(7):804-807. July 1966. 304.8 T312
- 1418 KERRIDGE, W. J. Cotton: the effect of current trends on producer prices. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(2):57-72. Apr. 1966. 281.9 Au73
Australia.
- 1419 KING, N. E. Static and dynamic bending moduli of animal fibres. I. An apparatus for the determination of the static bending modulus of single fibres. S. Afr. Wool Textile Res. Inst. Tech. Rep. 74, 33 p. Ref. May 1966. 304.9 So83T
- 1420 KIRSCHNER, E. Developments in fibre blending. Man-Made Textiles 43(506):36-38. Aug. 1966. 304.8 S13
- 1421 KOH, S. J. Stages of industrial development in Asia: a comparative history of the cotton industry in Japan, India, China, and Korea. Philadelphia, University of Pennsylvania Press, 1966. 461 p. Ref. HD9886.E18K6
- 1422 KONISHEV, P., and TOPALOV, V. Certain economic problems of cotton production in Bulgaria. (Bu) Selskospanska Nauk. 4(3):3-14, map. 1965. 21 S492
- 1423 KRIEL, W. The modification of wool and mohair by alkali treatment for short periods. S. Afr. Wool Textile Res. Inst. Tech. Rep. 60, 8 p. Sept. 1965. 304.9 So83T
- 1424 KRUGER, P. J. Carding and combing of mohair. II. S. Afr. Wool Textile Res. Inst. Tech. Rep. 71, 25 p. Mar. 1966. 304.9 So83T
- 1425 KRUGER, P. J. A new method to determine the mean fiber length in a sliver. Textile Res. J. 36(8):687-691. Aug. 1966. 304.8 T293
- 1426 KRUGER, P. J. Withdrawal forces in the processing of wool slivers. I. Determination of withdrawal force. S. Afr. Wool Textile Res. Inst. Tech. Rep. 64, 24 p. Ref. Nov. 1965. 304.9 So83T

- 1427 KRUGER, P. J. Withdrawal forces in the processing of wool slivers, II. Influence of variations in gilling on withdrawal force. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 66,18 p. Jan.1966. 304.9 S083T
- 1429 KRUGER, P. J. Withdrawal forces in the processing of wool slivers, III. Influence of pin density variations. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 78,22 p. July 1966. 304.9 S083T
- 1429 LENNOX, F. G., INGLIS, A. S., and HOLT, L. A. Studies in wool yellowing. XIII. Partial bleaching with visible light. *Textile Res. J.* 36(9):837-843. Ref. Sept.1966. 304.8 T293
- 1430 LIPSON, M. Some unusual surface reactions of wool. *Textile Res. J.* 36(8):715-718. Ref. Aug.1966. 304.8 T293
- 1431 LOUIS, G. L., and others. Cotton growing affects cotton spinning. *Textile Indus.* 130(10):247-252. Ref. Oct.1966. 304.8 C823
- 1431 L. A. Fiori, H. W. Little, and E. C. Kingsberry, joint authors. Effect of harvesting and ginning on spinning performance and yarn properties.
- 1432 LUDWIG, M. Analysis of the world cotton situation. (Fr) *Indus. Coton. Franc.* 49(9):16-19. Sept.1966. 286.3729 Sy7
- 1433 LUNDGREN, H. P. Wool and mohair. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.82-99. Ref. 1966. SF61.C6
- 1433 Chiefly properties.
- 1434 MARSH, C. A. Fragmentation of cotton fibres during early stages of enzymic cellulolysis. *Biochim. Biophys. Acta* 122(2):367-379. Aug.10,1966. 381 B522
- 1435 MCNEAL, X. Units for measuring changes that take place during storage. *Ark. Farm Res.* 15(3):12. May/June 1966. 100 Ar42F
- 1435 Cotton.
- 1436 MEHTA, S. B., PARIKH, D. V., and NANJUNDAYYA, C. The dependence of crease recovery on location of cross links. *Textile Res. J.* 36(8):761-762. Aug.1966. 304.8 T293
- 1436 In cellulose fabrics.
- 1437 METCALF, V. A. Assembling, storing and ginning cotton in the Mississippi Delta. *Mo. Agr. Exp. Sta. Res. Bull.* 878,67 p. Ref. Jan. 1965. 100 M693
- 1437 Agricultural Experiment Stations of Arizona, Arkansas, Georgia, Louisiana, Mississippi, Missouri, New Mexico, Tennessee, and Texas, cooperating.
- 1438 PATIL, N. B., and RADHAKRISHNAN, T. Studies on decrystallization of cotton. *Textile Res. J.* 36(8):746-752. Ref. Aug.1966. 304.8 T293
- 1439 PHILLIPS, G. O., and others. Photochemical initiation of free radicals in cotton cellulose. *Textile Res. J.* 36(9):822-827. Ref. Sept.1966. 304.8 T293
- 1439 O. Hinojosa, J. C. Arthur, and T. Mares, joint authors.
- 1440 POULE, E. M. New wool standards. *Fibre Fabric* 119(3638):7,12. Oct.1966. 304.8 F44
- 1441 PRATI, G. Infrared spectrophotometric analysis of cellulose fibers. (It) *Ric. Doc. Tessile* 3(2):63-66. Apr./June 1966. 304.8 R36
- 1442 RAUCH, H. Pre-spinning of viscose in the cone principle. (Ge) *Melliand Textilber.* 47(7):730-732. July 1966. 304.8 T312
- 1443 REINE, A. H., REID, J. D., and REINHARDT, R. M. Chemical factors affecting chlorine resistance of cotton treated with carbamate finishing agents. *Amer. Dyestuff Rep.* 55(19):91-94,153-156. Ref. Sept.12,1966. 305.8 Am3
- 1444 ROSS, J. C. Tender wool. *Can. Wool Grower Sheep Breeder* 37(3):12-13. Fall 1966. 280.28 C16
- 1444 Defect.
- 1445 ROWLAND, S. P., PITTMAN, P. F., and BRANNAN, M. A. F. Cotton formate at low degree of substitution. *Textile Res. J.* 36(8):764. Aug.1966. 304.8 T293
- 1446 RUSCA, R. A. Cotton needs a new processing system. *Textile Indus.* 130(9):177-179. Sept. 1966. 304.8 C823
- 1447 SEIDEL, G. R. Natural vs. synthetic products. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.:61-66. 1965. 49.9 N219
- 1447 Chiefly fibers.
- 1448 SERKOV, A. T., POKROVSKII, V. N., and KOTOMINA, I. N. On the cause of structural inhomogeneity of rayon fibres. *Svensk Papperstidn.* 69(17):559-565. Ref. Sept.15,1966. 302.8 Sv2
- 1449 SEVES, A., PRATI, G., and CENTOLA, G. Rheology of concentrated solutions of cellulose. II. Behavior of viscose. (It) *Ric. Doc. Tessile* 3(2):51-60. Apr./June 1966. 304.8 R36
- 1449 English summary.
- 1450 SLINGER, R. L., and GODAWA, T. O. On the processing characteristics of South African wools. III. A comparison of good and poor quality Merino wools. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 81,13 p. Aug.1966. 304.9 S083T
- 1451 SMITH, H. E. Sales, incentive payments and prices for Texas wool, 1964 marketing year. *Tex. Agr. Exp. Sta. MP-810,20 p., map.* Aug. 1966. 100 T31M
- 1452 SMITH, L. New principles and applications in the field of permanent creasing of cotton textiles. (Fl) *Textilis* 22(7/8):12-14,16-18,20-21. July/Aug.1966. 304.8 T3147
- 1453 SMUTS, S., and SLINGER, R. L. The interrelationship between plasticity and other fibre characteristics. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 73,10 p. Ref. May 1966. 304.9 S083T
- 1454 SOLOVYEV, A. YA. More fibers for the government. (Rus) *Len Konoplya* 9:2-4. 1966. 73.8 L542
- 1454 Flax policies and outlook.
- 1455 SPEAKMAN, P. T., and YARWOOD, R. E. Trypsin inhibition by phenylmethylsulfonyl fluoride with reduced wool as substrate. *Nature [London]* 211(5045):201-202. July 9,1966. 472 N21
- 1456 SPURLOCK, G. M. Classification, grading, and marketing of wool and mohair. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.740-752. 1966. SF61.C6
- 1457 SPURLOCK, H. C., and ROSS, J. E. Fiber quality characteristics of South Carolina cotton in 1965. *S. C. Agr. Exp. Sta. AE 294,115 p., map.* July 1966. 281.9 C59
- 1458 STREICHER, W. G. USDA & cotton industry mark fifty years of cooperation. *Agr. Marketing [Washington]*, Sept.1966:16. A280,38 Ag8
- 1459 SVIRIDENKO, S. A. Flax processing plants are ready for purchasing raw materials. (Rus) *Len Konoplya* 9:33-34. 1966. 73.8 L542
- 1460 SWEETMAN, B. J. Hydrodisulfide groups in untreated and irradiated wool keratin. *Textile Res. J.* 36(8):718-724. Ref. Aug.1966. 304.8 T293
- 1461 SYITIL, Z. The effect of the storage of flax stalks on the output and quality of fibers. (Cz) *Len Konopi* 5:51-73. 1965. 73.8 L543
- 1461 English summary.
- 1461 Includes retting.
- 1462 TALLANT, J. D., PITTMAN, R. A., and SCHULTZ, F. The changes in fiber-number length distribution under various breakage models. *Textile Res. J.* 36(8):729-737. Aug. 1966. 304.8 T293
- 1462 Cotton.
- 1463 U. S. BUR. OF THE CENSUS. Cotton production and distribution, year ending July 31, 1965. *U. S. Bur. Census. Bull.* 202,73 p. 1966. 157.41 B89
- 1464 U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Young people's use and appraisal of natural and competing fibers in wearing apparel. *U. S. D. A. Marketing Res. Rep.* 767,190 p. Aug.1966. 1 Ag64Mr

- 1465 VAN RENSBURG, N. J. J. The yellowing by light of wool bleached by various methods. S. Afr. Wool Textile Res. Inst. Tech. Rep. 76, 12 p. Ref. May 1966. 304.9 S083T
- 1466 WALN, B. A. Finishes for today's fabrics. Va. Polytech. Inst. Ext. Leaflet 288, 6 p.-folder. June 1966. 275.29 V81L
- 1467 WATSON, C. M. Spinning, winding and weaving jute yarns. Textile Manufacturer 92(1101): 356-359. Sept. 1966. 304.8 T3126
- 1468 WATT, I. C., and MCMAHON, G. B. The effects of heat of sorption in the wool-water sorption system. Textile Res. J. 36(8):738-745. Aug. 1966. 304.8 T293
- 1469 WHAM, G. S. The consumers' view. Mod. Textiles Mag. 47(11):52-53. Nov. 1966. 304.9 R21
Durable press.
- 1470 WILLIAMSON, J. All about plaids. N. Dak. State Univ. Ext. Circ. A-492, 6 p. May 1966. 275.29 N8125a
- 1471 WILLIAMSON, J. Permanent press. N. Dak. State Univ. Ext. Circ. A-488, 4 p. Mar. 1966. 275.29 N8125a
- 1472 WINKS, J. M. A survey of complaints about upholstery fabrics. Textile Inst. Indus. 4(9): 263-264. Sept. 1966. 304.8 T3133
Textile properties.
- 1473 WITTMANN, C. H., and DONALD, J. R. Fibers used in textiles delivered to the military forces. U. S. D. A. Econ. Res. Serv. CS-228:9-18. Sept. 1966. 1.9 Ec752F
Statistics.
- 1474 WOJCIKOWSKA-SOROCZYNSKA, M. Comparative characteristics of some fibre properties investigated by single wool staple method. I-II. (Pol) Roczn. Nauk Roln. 87-B-4:595-650. Ref. 1966. 20.5 R59
English summary.
- FRUITS, VEGETABLES, AND NUTS**
- 1475 ACIL, A. F. Filberts in the Turkish economy and filbert plantations in the Province of Giresun. Ankara Univ. Fac. Agr. Yearbook 1964:102-120, map. Ref. 1965. 25 An42
- 1476 THE APPLE industry in Canada. Int. Fruit World 25(2):249, 251-252, 255. Summer 1966. 286.83 F9426
Text also in French and German.
- 1477 AROPE, A. B. Vermont vegetables; a \$300,000 business. Vt. Farm Home Sci. 9(1):3, 5. Summer 1966. 100 V593
- 1478 ASADOV, A. A. Efficient production of early vegetables in Lenkoran lowland of Azerbaijan SSR. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:162-167. 1965. 281.9 M852
- 1479 BIGL, F. Note on the culture of grapefruit in Somalia: origin, development, and prospects. (R) Riv. Agr. Subtrop. Trop. 60(1/3):53-78. Jan./Mar. 1966. 26 Ag82
Industry, including production costs.
- 1480 BRYAN, H. C. The almond industry of Italy. U. S. Foreign Agr. Serv. FAS-M-174, 33 p., map. July 1966. A281.9 F76Fm
- 1481 DOMINICK, B. A. What's the outlook for apples? Prod. Marketing 9(9):23-24. Sept. 1966. 280.38 P943
- 1482 DZHAFAROV, A. F., ANTONOV, M. V., and VOLKOV, E. N. Tovarovedenie ovoshchei i plodov [Expert knowledge of vegetables and fruit]. Ed. 2, rev. and enl. Moskva, Ekonomika, 1966. 440 p. Ref. TX391.D9
Chemical composition, storage, processing and transportation.
- 1483 FANNING, J. Horticulture—gold mine or quagmire? Development 85:16-18. Sept. 1966. 280.8 D49
Industry in Ireland.
- 1484 GERRITSEN, L. Netherlands berry and cherry harvest in the year 1966. (Ge) Indus. Obst-Gemüseverwertung 51(17):528. Sept. 1, 1966. 389.8 K832
- 1485 HADZIOMERSPAHIC, R. Professional observations on the state of fruit culture in Bulgaria. (Se) Poljoprivredni Pregl. 14(9/10):421-425. Sept./Oct. 1965. 21.5 P753
- HNATYUK, E. V. Potato production regions in the Ukraine. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:8-10. June 1965. 20 V82
Russian summary.
- 1486 IONESCU, A. Trends in viticulture of France. (Rum) Gradina, Via Livada 15(6):67-69. June 1966. 80 G75
- 1487 JOHNSON, J. M., and BELL, J. B. Fruit, Va. Polytech. Inst. Ext. Va. Farm Econ. 198: 15-16. July/Aug. 1966. 275.29 V813
Outlook.
- 1488 JUSCAFRESA, B. Importance of fruit culture in Gerona. (Sp) Cult. Mod. 49(6):216. June 1966. 15 C89
Industry.
- 1489 KRASILNIKOV, P. K., and NIKITIN, A. A. Resources of red bilberry, blueberry and cranberry within the limits of the European part of the U.S.S.R. (Rus) Rastitel. Resursy 1(1): 130-149. Ref. 1965. 450 R18
Production regions, acreage and statistics.
- 1490 KRAUSE, H. Present tasks of out industry. (Ge) Indus. Obst-Gemüseverwertung 51(15): 463-470. Aug. 1966. 389.8 K832
- 1491 MODIC, D. T. The production and trade of pears in Slovenia and world. (Sl) Soc. Kmetijstvo Gozdarstvo 17(3):63-67. Ref. Feb. 24, 1966. 21.5 S014
Includes acreage.
- 1492 NELSON, L., and others. Field crops, market firms, and farm supply; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 44, 17 p. June 1966. 284.9 M58
L. Kyle, R. E. Lucas, F. Elliott, G. K. Dike, H. Ecker, and R. Heifner, joint authors.
Published jointly with Michigan State University, Cooperative Extension Service.
Field crops, by L. Nelson, L. Kyle, R. E. Lucas, and F. Elliott; Market firms, by G. K. Dike, H. Ecker, R. Heifner, and R. E. Lucas; Fertilizer and limestone usage in 1980, by R. E. Lucas.
- 1493 NERI, M., LUNATI, U., and AGRESTA, M. Tomato culture in Imola. (It) Mercanzia 21 (7/8):521-528. July/Aug. 1966. 287 B635
Industry; includes costs.
- 1494 PY, C., and TISSEAU, M. A. L'ananas [The pineapple]. Tech. Agr. Prod. Trop. 4, 298 p. 1965. 26 T22
Bibliography, p. 279-288.
Chapters included taxonomy, morphology, ecology, culture, utilization, and costs.
- 1495 REPUBLIC OF SOUTH AFRICA. POTATO BOARD. Report for the financial year ended 30 September 1965. Pretoria, 1966. 60 p. 286.3759 S082
- 1496 RICHARDS, R. Fruit juice production in Spain. Food Process. Marketing [London] 35(420):345-349. Sept. 1966. 389.8 F738
Industry.
- 1497 SCHWEIZERISCHER OBSTVERBAND. Jahresbericht 1964/65 [Annual report 1964/65]. Zug, 1965. 68 p. 86 Sch9
Text in German and French.
- 1498 STEFAN, N. Aspects of the organization of fruit and grape production in the USA. (Rum) Gradina, Via Livada 15(7):65-73. 1966. 80 G75
- 1499 SURVEY of Italian production and exports of table grapes. Int. Fruit World 25(2):325-326, 329, 331-332, 335, 337, 339, 341-342, 345-348, 351, 353. Summer 1966. 286.83 F9426
Text also in Italian and German.
- 1500 VANDEZANDE, P. Grape culture in the European Economic Community. (Fl) Tuinbouwbeichten 30(7):238-241. (Cont.) July 1966. 80 T817
Production, export and import in Belgium.

Analysis and Composition

- 1502 ANGELESCU, E., STOICESCU, A., and BRAD, S. Study of bacterial contamination in the canning of peas. (Rum) *Indus. Aliment.* 16(10): 525-529, 535. Oct. 1965. 389,8 In26
English summary, p.2 of supplement.
- 1503 CHENG, K. W., and KILGORE, W. W. Gas chromatographic determination of pentachlorophenol and sodium pentachlorophenate residues in fruits. *J. Food Sci.* 31(5):742-745. Sept./Oct. 1966. 389,8 F7322
- 1504 CURL, A. L. The carotenoids of muskmelons. *J. Food Sci.* 31(5):759-761. Sept./Oct. 1966. 389,8 F7322
Utilizing chromatography.
- 1505 GIERSCHNER, K. Possibilities for the analytical determination of microbial-caused changes in fruit juice products. (Ge) *Indus. Obst-Gemüseverwertung* 51(17):532-534. Sept. 1966. 389,8 K832
- 1506 GUNTHER, F. A., and OTT, D. E. Rapid automated determination of biphenyl in citrus fruit rind. *Analyst* 91(1085):475-481. Aug. 1966. 382 An1
- 1507 HAMED, M. G. E. Spectrophotometric methods of determining the beta carotene and lycopene content of tomatoes and tomato products. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(3):164-167. 1966. 384 Z39
- 1508 KHASHIMOV, KH. KH. Some data on sanitary evaluation of apples treated with DDT. (Rus) *Med. Zh. Uzbekistana* 2:27-28. 1965. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:40. Aug. 1965. Film S-202
- 1509 KNUDSEN, E. Determination of dry matter and ash content as a basis of quantitative control during the storage of potatoes. *Acta Agr. Scand.* 16(1):18-20. 1966. 11 Ac82
- 1510 KOSMATYI, E. S., MIRONOVA, I. B., and BUGAENKO, L. T. Chromatopolarographic and polarographic determination of the chlorophors in plants. (Rus) *Khim. Sel'sk'om Khoz.* 4(4):64-67. Apr. 1966. 385 K524
Apples and potatoes.
- 1511 LAMBETH, V. N., STRATEN, E. F., and FIELDS, M. L. Fruit quality attributes of 250 foreign and domestic tomato accessions. *Mo. Agr. Exp. Sta. Res. Bull.* 908, 53 p. Ref. May 1966. 100 M693
Analysis and composition.
- 1512 LIPPARINI, L., and RIGHT, R. Determination of the residues of ETM (ethylenthiamuron sulfide) in tubers of potatoes submitted to foliar treatment with a zineb-base fungicide with "controlled decomposition." (It) *Rass. Chim.* 18(2):53-59. Ref. *Marr./Apr.* 1966. 385 R18
- 1513 MATTUS, G. E. Apple firmness tests with the mechanical thumb. *Va. Agr. Exp. Sta. Res. Rep.* 108, 12 p. Ref. *Apr.* 1966. 100 V81R
- 1514 MORROW, C. T., and MOHSEIN, N. N. Consideration of selected agricultural products as viscoelastic materials. *J. Food Sci.* 31(5):686-698. Ref. Sept./Oct. 1966. 389,8 F7322
Apples.
- 1515 MULLER, V. Comparison of the chloramine and formal value of fresh and concentrated citrus products and data on their mutual interdependence. (Ge) *Indus. Obst-Gemüseverwertung* 51(16):499-501. (Cont.) Aug. 1966. 389,8 K832
- 1516 NORTJE, B. K. Some catechins and proanthocyanidins in the cores of Bartlett pears. *J. Food Sci.* 31(5):733-735. Ref. Sept./Oct. 1966. 389,8 F7322
- 1517 PANDELE, I. A study of chemical composition of walnuts of the chief centers of culture in Rumania. (Rum) *Gradina, Via Livada* 15(7): 45-54. 1966. 80 G75
English summary, p.1 following p.93.
- 1518 PRODAN, G., and MHAESCU, G. A contribution to the study of quality of some strawberry varieties recently introduced in Rumania. (Rum) *Gradina, Via Livada* 15(8):97-102. Aug. 1966. 80 G75
Include composition and properties.
- 1519 RHEE, K. S., and WATTS, B. M. Effect of antioxidants on lipoxidase activity in model systems and pea (*Pisum sativum*) slurries. *J. Food Sci.* 31(5):669-674. Ref. Sept./Oct. 1966. 389,8 F7322
Effect on lipid oxidation during processing.
- 1520 RHEE, K. S., and WATTS, B. M. Evaluation of lipid oxidation in plant tissues. *J. Food Sci.* 31(5):664-668. Ref. Sept./Oct. 1966. 389,8 F7322
During fruit and vegetable processing.
- 1521 RHEE, K. S., and WATTS, B. M. Lipid oxidation in frozen vegetables in relation to flavor change. *J. Food Sci.* 31(5):675-679. Ref. Sept./Oct. 1966. 389,8 F7322
Peas.
- 1522 RODIN, J. O., and others. Volatile flavor and aroma components of pineapple. III. The sulfur-containing components. *J. Food Sci.* 31(5): 721-725. Sept./Oct. 1966. 389,8 F7322
D. M. Coulson, R. M. Silverstein, and R. W. Leeper, joint authors.
- 1523 ROMANI, R. J. Electron spin resonances in irradiated fruit. *Radiat. Bot.* 6(4):371-372. Aug. 1966. 450 R11
- 1524 ROSIK, J., and others. Polysaccharides from the blackthorn gum (*Prunus spinosa* L.). Collect. Czech. Chem. Commun. 31(8):3410-3415. Ref. Aug. 1966. 385 C68
M. Brutenicova-Soskova, V. Zitko, and J. Kubala, joint authors.
- 1525 SAFTIUC, E. Development of an adequate method for the determination of starch content in potatoes. (Rum) *Indus. Aliment.* 16(9):460-464. Ref. Sept. 1965. 389,8 In26
English summary, p.3 of supplement.
Includes statistical method of research.
- 1526 SCHORMULLER, J., and WEDER, J. Research on the aromatic substances of foods. IV. On the occurrence of carbonyl compounds in potatoes. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(3):158-164. Ref. 1966. 384 Z39
- 1527 SCHORMULLER, J., and WEDER, J. Research on the aromatic substances in foods. V. On the occurrence of alcohols and amines in potatoes. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(4):213-220. Ref. 1966. 384 Z39
- 1528 TAIRA, H., TAIRA, H., and SAKURAI, Y. Studies on amino acid contents of processed soybean. IX. Effect of heating on amino acid liberation with enzymes in defatted soybean flour. (Ja) *Agr. Chem. Soc. Jap.* 40(1):41-47. Ref. 1966. 385 Ag8
English summary.
- 1529 TSYAREN'TSEVA, M. V., LOBACH, T. YA., and STSYAN'KO, L. YA. Content of more important minor elements in some fruit and berry varieties of Belorussia. (Be) *Minsk, Belorussk. Akad. Navuk. Vestsi. Ser. Sel'sk'okhoz-padarachykh Navuk* 4:46-51. 1964. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:33. Aug. 1965. Film S-202
- 1530 WALTER, W. M., and PURCELL, A. E. Elimination of color quench in liquid scintillation counting of ^{14}C -carotenoids. *Anal. Biochem.* 16(3):466-473. Ref. Sept. 1966. 381 An13
From tomatoes.
- 1531 YOKOYAMA, H., and WHITE, M. J. Citrus carotenoids. V. The isolation of 8'-hydroxy-8', 9'-dihydrocrocinaxanthin. *J. Org. Chem.* 31(10) (10):3452-3454. Oct. 1966. 381 J827

Consumption and Utilization

- 1532 ASPINWALL, J. The potato required by the frozen chip industry. *Food Trade Rev.* 36(8): 40-41, 52. Ref. Aug. 1966. 389,8 F7334
- 1533 GREENSMITH, M. Potatoes for dehydration. *Food Trade Rev.* 36(8):42-44. Aug. 1966. 389,8 F7334
Processors' requirements.
- 1534 OTA, E. S., and BROWN, M. L. Fruit preferences of college students in Hawaii. *J. Home Econ.* 58(9):749-750. Nov. 1966. 321.8 J82
- 1535 RAUNIKAR, R., PURCELL, J. C., and ELROD, J. C. Consumption and expenditure analysis for fruits and vegetables in Atlanta, Georgia. *Ga. Agr. Exp. Sta. Tech. Bull.* (n.s.) 53, 65 p., map. June 1966. 100 G293T

Distribution, Marketing, and Transportation

- 1536 BAKER, J. A. Challenges. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 44-47, 1966. A280.39 C76
Fruit and vegetable marketing cooperatives.
- 1537 BERNER, F. G. The changing fruit beverage market. Citrus Eng. Conf. Trans. 12:66-75, Mar.23,1966. 389.9 C49
- 1538 BLUM, M. A. Critical problems in cooperative bargaining (the organization structure). Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.:11-19, 1966. A280.39 C76
Fruits and vegetables.
- 1539 BROOKE, D. L. Florida truck crop competition. 1. Inter-state and foreign. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 67-1,29 p. Sept.1966. 281.9 F663
Vegetables and fruits; statistics.
- 1540 CALDENTEY ALBEAT, P. Marketing margins for dried fruit. (Sp) Rev. Estud. Agro-Soc. 15 (55):73-78, Apr./June 1966. 281.8 R327
English summary.
- 1541 COOKE, M. C. F. Vegetable marketing—the modern approach. Agr. Northern Ireland 41(4): 119-122, Aug.1966. 256.13 Ag82M
- 1542 COVEY, C. D. Orange concentrate futures and the grower. Citrus Indus. 47(7):9-10, July 1966. 80 C49
- 1543 CRISIS for Britain's apple growers. Int. Fruit World 25(2):121-122,125-126,129,132. Summer 1966. 286.83 F9426
Text also in German and French.
Supply-consumption problem.
- 1544 DIAMOND FRUIT GROWERS. 53rd annual report for fiscal year ended April 30, 1966. Hood River, Oregon, 1966. 17 p. 281.3939 Ap5
- 1545 FARRELL, K. R. Federal and State enabling legislation for fruit and vegetable marketing orders: evolution and current status. Nat. Comm. Food Marketing. Tech. Stud. 4(sup.3), 137 p. Ref. June 1966. HD9001.A3
- 1546 FLORIDA CITRUS COMMISSION. Annual report, 1965-66. Lakeland, 1966. 16 p. 280.3939 F66
- 1547 THE FRUIT co-operatives of South Tyrol—one of Europe's leading fruit-growing regions. Int. Fruit World 25(2):354-357,359,361. Summer 1966. 286.83 F9426
Text also in French and German.
Italy.
- 1548 GODWIN, M. R. Organization and competition in the fruit and vegetable industry. Nat. Comm. Food Marketing. Tech. Stud. 4,392 p. June 1966. HD9001.A3
- 1549 GODWIN, M. R. The role of bargaining cooperatives in the activities of the National Commission on Food Marketing. Nat. Conf. Fruit Veg. Bargaining Coop. Proc., 10th Nat. Conf.: 27-31, 1966. A280.39 C76
Fruits and vegetables.
- 1550 HANUS, I. G. Anlieferung und Preisgestaltung bei Stein- und Beerenobst in den Erntejahren 1955 bis 1960 an den Erzeugergrossmärkten Bonn und Roisdorf [Delivery and price formation of stone and berry fruits in the crop years 1955 to 1960 on the Bonn and Roisdorf wholesale markets]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 10,91 p. Ref. 1964. 105.8 B644
- 1551 HULSE, F. E. METTIN, J. R., and HAMILTON, H. G. Pooling by Florida citrus cooperatives, following the 1962 freeze. U. S. D. A. Marketing Res. Rep. 764,16 p.,map. July 1966. 1 Ag84Mr
Florida Agricultural Experiment Stations, cooperating.
- 1552 JONES, D. O. Liquid nitrogen refrigeration. Citrus Eng. Conf. Trans. 12:14-26, Mar.23, 1966. 389.9 C49
In-transit refrigeration.
- 1553 KLOTSCHER, T. Fruit and vegetable market organization. (Ge) Indus. Obst- Gemüseverwertung 51(15):479-481, Aug.4,1966. 389.8 K832
- 1554 KRAUSE, H. Standpoint of the fruit and vegetable processing industry in relation to the new EEC market regulations. (Ge) Indus. Obst- Gemüseverwertung 51(16):505-509, Sept. 1966. 389.8 K832
- 1555 LASZLO, I. Transportation, packing, storing and marketing of table grapes. (Rum) Gradi-na, Via Livada 15(8):24-33, Aug.1966. 80 G75
- 1556 MCNAVY, A. Apple vending—how big a future? Prod. Marketing 9(9):29-30, Sept.1966. 280.38 P943
- 1557 MOSTERT, G. J. Advice to the vegetable farmer: aim at a "good" market. 2. Farming S. Afr. 42(4):55-57, July 1966. 24 S0842
- 1558 MULES, T. J., and JARRETT, F. G. Supply responses in the South Australian potato industry. Australian J. Agr. Econ. 10(1):52-59, June 1966. 281.8 Au74
Acreage-price relationship.
- 1559 NATIONAL CONFERENCE ON FRUIT AND VEGETABLE BARGAINING COOPERATIVES, 10, WASHINGTON, D. C., 1966. Proceedings. Washington, U. S. Farmer Coop. Serv., 1966. 92 p. A280.39 C76
Includes welcoming remarks by R. N. Hampton.
- 1560 RIDLER, D. Imperfect competition and the cobweb theorem: a vegetable case. J. Agr. Econ. [Reading] 17(2):181-195, Sept.1966. 281.9 Ag8
New Zealand.
- 1561 SHERBINI, A. A. Planning fruit and vegetable wholesale market facilities in developing countries. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(6):1-4, June 1966. 251 F73Mb
- 1562 U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, winter vegetables and potatoes. U. S. Consum. Marketing Serv. AMG 51,44 p. Aug.1966. A281.3919 M34
- 1563 U. S. NATIONAL COMMISSION ON FOOD MARKETING. Study of selected Government services used by shippers and receivers of fresh fruit and vegetables. Nat. Comm. Food Marketing. Tech. Stud. 4(sup.2),156 p. June 1966. HD9001.A3
Federal Inspection Service, Federal Market News Service, and Federal grades.

Grading, Inspection, Standardization, and Quality

- 1564 BERAN, F. No more application of aldrin and dieldrin in vegetable culture. (Ge) Pflanzen-erzt 19(4):39-40, Apr.1,1966. 464.9 P482
Because of persistency of residues.
- 1565 CARLTON, L. D. The need to continue quality. Citrus Indus. 47(7):12-13, July 1966. 80 C49
Orange juice standards.
- 1566 CAVALETTO, C., and others. Factors affecting Macadamia nut stability. Food Technol. 20(8):108-111, Ref. Aug.1966. 389.8 F7398
A. D. Cruz, E. Ross, and H. Y. Yamamoto, joint authors.
- 1567 CHARLEY, V. L. S. Fruit juice characteristics: food technology in Europe. Food Technol. Australia 18(8):454-457,459. (Cont.) Aug.1966. 389.8 F7333
Standards.
- 1568 CHARLEY, V. L. S. Fruit juice characteristics: food technology in Europe. Food Technol. Australia 18(9):508-509,511. (Cont.) Sept.1966. 389.8 F7333
Grading and nutritive value.
- 1569 DALMASSO, G. Marketability characteristics for table grapes. (It) Colt. G. Vinicolo Ital. 112(5):170-174, May 1966. 16 C72
- 1570 LEVIN, R. E., and VAUGHN, R. H. Desulfovibrio aestuarii, the causative agent of hydrogen sulfide spoilage of fermenting olive brines. J. Food Sci. 31(5):768-772, Ref. Sept./Oct. 1966. 389.8 F7322

- 1571 OROS, V. Economic effects of proper grading and timely delivery of tomatoes. (Rum) Gradi-na, Via Livada 15(6):4-9, June 1966. 80 G75
- 1572 OSMAN, A. E. E. M. Untersuchungen zur objektiven Erfassung der Qualität des Apfelaromas [Research on the objective determination of apple aroma]. Giessen, Justus-Liebig-Universität, Fak. [Diss.] 12,123 p. 1964. 105.8 G36
Bibliography, p.117-122.
- 1573 RENVALL, S. Residues of pesticides. (Sw) Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnötiser 29(4):47-49, 1965. 464.9 Sv3V
In fruit and vegetables.
- 1574 ROSA, L. DALLA, and STANCHINA, G. DE. Influence of time of harvesting on keeping quality of apples. (It) Terra Trentina 12(4):135-140, Apr. 1966. 16 T277
- 1575 U. S. CONSUMER AND MARKETING SERV. Shopper's guide for canned peas. U. S. D. A. PA-728, 4 p. July 1966. 1 Ag84Pro
Quality found in grading.
- 1576 WAARDENBERG, J. VAN. EEC regulations for processed vegetables and fruit. (Dn) Conserva 15(3):62-64, Sept. 1966. 389.8 C7632
French summary.
- Packing and Packaging
- 1577 TINDELL, W. Where do we go from here with tight fill packing? Blue Anchor 43(3):19-20, Aug./Sept. 1966. 286.83 B62
Fruit.
- 1578 WOOD, W. D. Wrap-around case packing. Citrus Eng. Conf. Trans. 12:1-6, Mar. 23, 1966. 389.9 C49
- Prices, Price Control, and Rationing
- 1579 KUPPUSWAMY, G. R. Price analysis of betelnut (arecanut) in North Kanara markets. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p.66-82. 1965. S471.14K3
Includes discussion.
- 1580 RICKS, D. J. Economic relationships in red tart cherry marketing, 1947-1965. Mich. State Univ. Dep. Agr. Econ. Agr. Econ. Rep. 43, 62 p. June 1966. 281.9 M5842
Prices.
- 1581 SCHUL, J. J., and NEURAY, G. Variation du prix des pommes en fonction du calibre des fruits et du poids des lots [Variation in the prices of apples in relation to fruit calibration and lot weight]. Brussels. Inst. Econ. Agr. Cah. I.E.A. 50(R-21), 61 p. May 1966. 281.9 B832
- Processing and Storage
- 1582 AAS, A. Cold storage of onions and leek. (No) Gartneryrket 56(34):792, Aug. 19, 1966. 80 G1938
- 1583 BAJC, V. Storage of apples in polyethylene bags. (Sl) Soc. Kmetijstvo Gozdarstvo 16(17):417-420, Dec. 11, 1965. 21.5 So14
- 1584 BELL, A. Fluidized freezing. Can. Refrig. Air Cond. 32(9):18-19, 21, Sept. 1966. 295.8 C16
Vegetables.
- 1585 CHANG, S. C., WANG, A. K., and KUNG, L. S. Storage of potatoes. III. Simple measures to store long potatoes, which are easily spoiled. (Ch) Tung-pei Nung Yeh Yuan Hsueh pao 3:9-12, Sept. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:74-75, Mar. 2, 1966.
(JPRS 34,362; TT 66-30802) 241.7 Un34C
- 1586 CITRUS ENGINEERING CONFERENCE, 12, LAKELAND, FLA., 1966. Transactions of the 1966 conference. n.p., Amer. Soc. Mech. Engin., 1966. 77 p. 389.9 C49
- 1587 CONDELLI, F. Storage system for fruit and vegetable products. (It) Agricoltura 15(5):79-90, May 1966. 16 Ag8226
Refrigeration and gas storage.
- 1588 EISENBERG, G. Processed legumes. (Ge) Indus. Obst- Gemüseverwertung 51(15):474-476, Aug. 4, 1966. 389.8 K832
- 1589 FARBER, E. A. Fundamentals of fluid flow applicable to the citrus industry. Citrus Eng. Conf. Trans. 12:27-43, Mar. 23, 1966. 389.9 C49
- 1590 FIAVZ, F. How to raise the consumption of currants. (Sl) Soc. Kmetijstvo Gozdarstvo 16(15):358, Oct. 28, 1965. 21.5 So14
By diversified processing.
- 1591 FRUIT nectar. Int. Processed Fruits 10(2):41-44, 1966. 286.83 In82
Text also in German and French
Processed fruit juice.
- 1592 GINSBURG, L. Considerations on nitrogen transport and irradiation of horticultural products. II. Food Indus. S. Afr. 19(4):53, 55, 57, 59, Aug. 1966. 389.8 F7372
- 1593 GINSBURG, L. Horticultural products and refrigeration present and future. Food Indus. S. Afr. 19(3):27, 29, 31, 33, 35, July 1966. 389.8 F7372
Fruit.
- 1594 CRIZZELL, W. G., and BENNETT, A. H. Hydrocooling stacked crates of celery and sweet corn. U. S. Agr. Res. Serv. ARS-52-12, 40 p. July 1966. A289.9 R31
Florida Agricultural Experiment Stations, co-operating.
Florida.
- 1595 HALL, E. G. The precooling of fruits and vegetables—a review. Food Technol. Australia 18(8):442-443, 445, 447, 449, 451, Ref. Aug. 1966. 389.8 F7333
- 1596 HAMED, M. G. E., and FODA, Y. H. Freeze-drying of onions. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 130(4):220-227, Ref. 1966. 384 Z39
- 1597 JANEBA, D. Situation and outlook of the fruit and vegetable processing industry. (Ge) (Extr.) Indus. Obst- Gemüseverwertung 51(15):470-474, Aug. 4, 1966. 389.8 K832
- 1598 KETT, G. General aspects of the canning of "new" potatoes. Food Trade Rev. 36(8):38-39, Aug. 1966. 389.8 F7334
- 1599 KOVAL'SKAYA, L. P., and SILAEVA, S. V. Preliminary research in the study of the action of ionizing rays on the storage life of fresh tangerines. 9 p. Transl. 15230
Translation from Konservnaya i Ovoshchesushil'naya Promyshlennost' 9:26-29, 1963.
- 1600 KROCHMAL, A., and KILBRIDE, B. An inexpensive laboratory method for cassava-starch extraction. P. R. Univ. J. Agr. 50(3):252-253, July 1966. 8 P832J
- 1601 LALATTA, F. Influence of ecology and culture on storage. (It) Agricoltura 15(5):41-48, May 1966. 16 Ag8226
Fruit environment, soils, and culture as they relate to storage quality.
- 1602 LEE, C. Y., and SALUNKHE, D. K. Effects of gamma radiation on freeze-dehydrated apples (Pyrus malus). Nature [London] 210(5039):971-972, Ref. May 28, 1966. 472 N21
- 1603 LUTHI, H. R. New technical solutions for juice removal from fruit and grapes. (Ge) Schweiz. Z. Obst- Weinbau 102(14):376-382, (Cont.) July 9, 1966. 80 Sch9
- 1604 LUTHI, H. R. New technical solution for juice removal from fruit and grapes. (Ge) Schweiz. Z. Obst- Weinbau 102(15):398-404, (Concl.) July 23, 1966. 80 Sch9
- 1605 MACQUEEN, K. F. Sprout inhibition of vegetables using gamma radiation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:127-140. 1965. TX611.5.R3

- 1606 MAXIE, E. C., and SOMMER, N. F. Irradiation of fruits and vegetables. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:39-52. 1965. TX611.5.R3
- 1607 MEFFERT, H. F. T. Course in the preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.10. Concentration of liquid fruit products. (Da) Conserva 15(3):76-82. Sept. 1966. 389.8 C7632
- 1608 MERKENS, W., and WIERSMA, O. Course in the preservation of foods. 20. Vegetables and fruit. 20.1. Refrigerated storage of vegetables and fruit. (Da) Conserva 15(2):51-56. Aug. 1966. 389.8 C7632
- 1609 MEZZETTI, A. Physiopathology and rot of refrigerated apples. (It) Agricoltura 15(5):49-68. May 1966. 16 Ag8226
- 1610 MODUN, E. Preservation of olives of the variety Duzica by fermentation in salted water. (Se) Agron. Glas. 16(4/5):331-338. May 1966. 21.5 Ag84
English summary.
- 1611 MONEY, R. W. Raw peeled potatoes. Food Trade Rev. 36(8):44-45. Aug. 1966. 389.8 F7334
Peeling, quality, and varieties.
- 1612 MONZINI, A. Fruit preservation with the application of cold. (It) Agricoltura 15(5):29-32. May 1966. 16 Ag8226
Chiefly refrigeration.
- 1613 NEW YORK (STATE) CROP REPORTING SERV. Statistics relative to the apple processing industry in New York State, 1956-1965, by W. I. Bair, O. E. Grenier, and D. H. Foster. Albany, 1966. 4 p. 1.942 P6Ap5
U. S. Department of Agriculture, Statistical Reporting Service; and New York State Department of Agriculture and Markets, Bureau of Statistics, cooperating.
- 1614 OLSSON, K. On the occurrence of different Gloeosporium species on apples in different types of storage. (Sw) Wed. Stat. Vaxtskydds-anst. Vaxtskyddsnotiser 29(5):59-61. 1965. 464.9 Sw3V
Gloeosporium album, G. fructigenum and G. perennans.
- 1615 OPRIS, S., and BUGULESCU, M. Research in the preservation of tomato juice. (Rum) Indus. Aliment. 16(9):454-459. Ref. Sept. 1965. 389.8 Iz26
English summary, p.3 of supplement.
- 1616 PERERABOTKA ovoshechi, plodov i yagod v domashnikh usloviyakh [Processing vegetable, fruit and berries at home]. Leningrad, Lenizdat, 1965. 159 p. TX612.F7P4
- 1617 POINTERS on canning white cherries in syrup (artificially coloured with erythrosine). Int. Processed Fruits 10(2):4-6, 9-13, 15. 1966. 286.83 In82
Text also in German and French.
- 1618 POTKE, E. Preparation and storage of seed and food potatoes with reference to industrial organization of potato production. (Ge) Feldwirtschaft 7(4):208-210. Apr. 1966. 18 W763
East Germany.
- 1619 PRATELLA, G. Principal alterations in refrigerated fruit. (It) Agricoltura 15(5):69-78. May 1966. 16 Ag8226
Pears, peaches, and grapes.
- 1620 RASMUSSEN, P. M. How to improve keeping quality of fruit. (Da) Erhvervsfrugtavlere 33(7):279-281. July 1, 1966. 80 Er3
Apples.
- 1621 RASMUSSEN, P. M. Storage of apples. (Da) Erhvervsfrugtavlere 33(9):369-369. Sept. 1, 1966. 80 Er3
- 1622 ROCKLAND, L. B., and ROBE, K. WURDD develops quick-cooking dry beans. Food Process./Marketing [Chicago] 27(9):107. Sept. 1966. 389.8 F7325
Western Utilization Research and Development Division of U. S. Dept. of Agriculture.
- 1623 ROSELLO BELTRAN, B. Frozen concentrated orange and lemon juices. (Sp) Agricultura [Madrid] 35(411):369-376. (Cont.) July 1966. 15 Ag84
Various aspects of the industry.
- 1624 SAPETTI, C. Gas exchanges with the atmosphere during storage and ripening of fruit products. (It) Ann. Sperim. Agr. (n.s.) 18(5/6):799-814. 1964, pub. 1966. 16 Am76
English summary.
- 1625 SCHALES, F. D. Sprout inhibitors for Irish potatoes. Va. Polytech. Inst. Ext. Leaf. 291, 2 p. July 1966. 275.29 V811
- 1626 SEVAST'YANOV, I. A. More attention to the management of the potato storage. (Rus) Sakharu. Prom. 9:60-64. Sept. 1966. 65.8 Sa2
- 1627 SLJBRING, P. H. Irradiation of horticultural products. (Da) Conserva 15(2):50. Aug. 1966. 389.8 C7632
French summary.
- 1628 SIRCHI, Z. An economic method of storing grapes. (Rum) Gradina, Via Livada 15(8):40-42. Aug. 1966. 80 G75
- 1629 SYMPOSIUM ON POTATOES FOR FOOD PROCESSING. [Papers]. Food Trade Rev. 36(8):38-52. Aug. 1966. 389.8 F7334
Sponsored by the Borough Polytechnic and the Fruit and Vegetable Preservation Research Association.
- 1630 THORPE, R. H., and FELMINGHAM, J. D. The canning of potatoes. Food Trade Rev. 36(8):51-52. Aug. 1966. 389.8 F7334
- 1631 THORUP, S. Fruit storage. (Da) Erhvervsfrugtavlere 33(9):366-367. Sept. 1, 1966. 80 Er3
- 1632 TRECCANI, C. P. Physiology of ripening and storage. (It) Agricoltura 15(5):33-40. May 1966. 16 Ag8226
Fruit.
- 1633 US CANNED fruit. Int. Processed Fruits 10(2):45, 47-48, 51, 53-54. 1966. 286.83 In82
Text also in German and French.
- 1634 VAN BLARICOM, L. O., and WEBB, H. J. The discoloration of fresh peaches. S. C. Agr. Exp. Sta. Res. Ser. 74, 21 p. Dec. 1965. SB21.S6
- 1635 VAN BLARICOM, L. O., SEIFICK, H. J., and SKELTON, B. J. Production of frozen peaches in institutional size containers. S. C. Agr. Exp. Sta. Res. Ser. 73, 7 p. Dec. 1965. SB21.S6
Processing.
- 1636 VERAJU, P., and KAREL, M. Controlling atmosphere in a fresh-fruit package. Mod. Packaging 40(2):168, 170, 172, 174, 254. Oct. 1966. 309.8 M72
Gas storage.
- 1637 VILLEBERT, L. Effect of storage conditions on the content of nitrogen substances in potatoes. (Rus) Tartusk. Unt. Uch. Zap. 151:142-156. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:22. Aug. 1965. Film S-202
- 1638 WIERTSEMA, P. Research on potato processing in the Netherlands. Food Trade Rev. 36(8):45-48. Aug. 1966. 389.8 F7334
- 1639 ZEEUW, D. DE. European radiation preservation of fruits and vegetables. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:31-37. Ref., p.34-37. 1965. TX611.5.R3

Statistics

- AARSJAND, S. Is the greenhouse acreage too big? (No) Gartneryrket 56(32):745-746. Aug. 5, 1966. 80 G1938
Vegetables and ornamentals.
- 1641 ALCARAZ LUNA, M. In 1964 there was registered the greatest production of Canary Islands bananas. (Sp) Rev. Sindical Estad. 21(81):20-26. First Q. 1966. 263 Es8B
Statistics.
- 1642 ARLITT, M. The German vegetable market—production and imports. II. (Ge) Obst Gemuse 30(8):30-32. Aug. 1966. 286.83 Ob72
Statistical.
- 1643 GLISERS, L. F. Horticulture under glass and plastics in Italy. (Du) Neth. Dir. Tuinbouw. Mededel. 29(8):319-322, map. Aug. 1966. 86 N384
English summary, p.355.
Acreage of vegetables and ornamentals.

- 1644 NEW YORK CROP REPORTING SERV.
New York fruit tree and vineyard survey—
1966. N. Y. Crop Rep. Serv. AMA Release
98, 34 p. Sept. 1966. 280, 3939 Y483
Statistical Reporting Service of U. S. Department of Agriculture and Bureau of Statistics of New York State Department of Agriculture and Markets, cooperating.
- 1645 STANKOVIC, D. Yugoslav and world fruit production. (Se) Glasnik 15(6):26-31. 1966. 280, 28 Z13
Chiefly statistics.
- 1646 TODD, J. W. New citrus census through aerial photography. Citrus Indus. 47(7):18-20. July 1966. 80 C49
- 1647 U. S. DEPT. OF AGRICULTURE, STATISTICAL REPORTING SERV. Commercial fruit tree census, Idaho, 1966. n.p., 1966. 39 p. A281, 3939 Ag82
Idaho Department of Agriculture, Bureau of Plant Industry, cooperating.
- 1648 ZINGSTRA, H. Acreage of 39 potato varieties. (Du) Zaadbelangen 20(2):30-31. Jan. 31, 1966. 6 L 1, 6 Z1
- 1649 ZUCCHINI, M. Origin and development of Italian fruit culture. (It) Agricoltura 15(5):25-28. May 1966. 16 Ag8226
Statistical.
- GRAIN AND GRAIN PRODUCTS**
- 1650 ADKINS, G. K., and GREENWOOD, C. T. The isolation of cereal starches in the laboratory. Starke 18(7):213-218. Ref. July 1966. 309 St22
- 1651 ADKINS, G. K., and GREENWOOD, C. T. Studies on starches of high amylose-content. V-VI. Starke 18(6):237-243. Aug. 1966. Ref. 309 St22
Amylomaize.
- 1652 ARBEITSGEMEINSCHAFT ZUR FORDERUNG DES QUALITÄTSGERSTENBAUES IM BUNDES-GEBIET. Braugersten-Jahrbuch [Malting barley yearbook], 1963-1965. Nurnberg, 1965. 150 p. 59.8 B73
Research programs.
- 1653 ASSOCIAZIONE GRANARIA MILANESE. Annuario [Annual], 1966. Milano, 1966. 161 p. 286.3599 M582
- 1654 BELOQUI, M. Necessity and suitability of greater wheat production. (Sp) Bolsa Com. Rosario. Rev. 54(1310):3-4. Aug. 31, 1966. 287 RT1
- 1655 BEYER, H. Increased problems of Bavarian malters. (Ge) Brauwelt 106(72):1291-1294. Sept. 9, 1966. 390.8 B732
- 1656 BITTING, H. W. Organization and competition in the milling and baking industries. Nat. Comm. Food Marketing. Tech. Stud. 5, 167 p., map. June 1966. HD9001.A3
- 1657 BODE, H. E. History of the corn starch industry. In Whistler, R. L., and Paschall, E. F., ed. Starch: chemistry and technology, v.1, p.11-21. 1965. TP415.W5
Review of the literature.
- 1658 BRISCOE, N. A., BAKER, A. J., and CORLEY, E. M. Cost characteristics and management decisions of Oklahoma cooperative grain elevators. Okla. Agr. Exp. Sta. Process. Ser. P-545, 26 p. Aug. 1966. 100 Ok4M
- 1659 BRITNELL, R. H. Production for the market on a small fourteenth-century estate. Econ. Hist. Rev. 19(ser.2):380-387. Aug. 1966. 277.8 Ec7
Grain marketing.
- 1660 BROOKS, B. L. Hedging wheat as a marketing alternative for Washington country elevators. Wash. Agr. Exp. Sta. Bull. 673, 15 p. Ref. Aug. 1966. 100 W27E
- 1661 CAIN, D. Elevators gear up! Less congestion expected this fall. Doane's Agr. Rep. 29(26):28-30. Sept. 8, 1966. 281.8 D652
Corn storage and drying and charges.
- 1662 CANADA. BOARD OF GRAIN COMMISSIONERS. Grain elevators in Canada for crop year, 1966-67. Ottawa, 1966. 216 p. 225 C1633
Statistics.
- 1663 CARTER, J. E., and HUTCHINSON, J. B. Liquefaction of gelatinised starch by wheaten flour. Chem. Indus. 29:1265-1266. Ref. July 16, 1966. 382 M31C
- 1664 CLARK, J. G. The grain trade in the Old Northwest. Urbana, Univ. Ill. Press, 1966. 324 p. HD9037.A14C4
Bibliography, p.289-304.
- 1665 CLOUGH, M. Food consumption of corn, oats, and barley products. U. S. D. A. Econ. Res. Serv. Nat. Food Situation. NFS 117:27-29. Aug. 1966. 1,941 S2F73
- 1666 DAVEY, P. M., and ELCOATE, S. Moisture content/relative humidity equilibria of tropical stored produce. 1. Cereals. Trop. Stored Prod. Inform. 11:439-467. 1965. 421 T752
- 1667 DOTY, W. Flour evaluation in a laboratory continuous mixer. Amer. Soc. Bakery Eng. Proc., 42nd Annu. Mtg.:58-63. 1966. 389.9 Am37P
Includes discussion.
- 1668 EZEKIEL, H. Disguised unemployment and marketed surplus of foodgrains in a developing economy. Developing Econ. 4(2):220-230. June 1966. 280.8 D493
- 1669 FISHER, N., and others. The lipids of wheat. III. Further studies of the lipids of flours from single wheat varieties of widely varying baking quality. J. Sci. Food Agr. 17(6):370-382. Ref. Aug. 1966. 382 Sc12
B. M. Bell, C. E. B. Rawlings, and R. Bennet, joint authors.
- 1670 GAST, I. Chopped straw storage on the Karow seed Production State Farm [VEG Saatucht Karow]. (Ge) Feldwirtschaft 7(7):349-350. July 1966. 18 W763
Handling during harvest.
- 1671 GEHLE, H. H. Aspects of power reduction in pneumatic conveying of millstocks. Ass. Oper. Millers. Bull., Sept. 1966:2936-2938. 298.9 As7
- 1672 GOTOVA, V. Technological characteristics of the Bezostaya 1 Soviet winter wheat variety. (Bu) Rastenievudni Nauk. 2(6):23-30. Ref. 1965. 64.5 R18
English summary.
- 1673 GRIJALBA TORRE, M. Zaragoza, granary of Spain. (Sp) Rev. Sindical Estad. 21(61):2-19. First Q. 1966. 283 Es8B
Statistical.
- 1674 HALL, O. Wheat gluten. (Sw) Sveriges Utsa-desforen. Tidsskr. 76(2/3):165-170. 1966. 61.9 Sv23
English summary.
- 1675 HELMBRECHT, G. Drying and cleaning in mills and grain storage structures: considerations on grain drying. (Ge) Deut. Muller-Zeitung 64(18): 436, 438-440, 442-443. Sept. 8, 1966. 298.8 Su2
- 1676 HOLBROOK, J., ORTANDERL, F., and PFLEIDERER, G. Purification and properties of an exophosphodiesterase from malted barley seedlings. (Ge) Biochem. Z. 345(2):427-439. Ref. Aug. 5, 1966. 384 B522
English summary.
- 1677 HONAN, N. D. Wheat policies and programmes: U.S.A. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(2):73-82. Apr. 1966. 281.9 Au73
- 1678 HRDLICKA, J., and KMONICEK, J. Manufacture of precooked rice. 8 p. Transl. 15227
Translation from Prumysl Potravin 14(5):262-265. 1963.
- 1679 HURTIG, H. Pesticide residues on cereal grains and their milled fractions. Pesticide Progr. 4(4):87-97. July 1966. 79.8 P434
- 1680 KAPOR, S., and RAKIC, B. The problem of parity in the sale of imported wheat. (Se) Glasnik 15(7):37-39. 1966. 280.28 Z13

- 1681 KARP, D., KLING, R., and GARPING, B. Experiences in research on rye for knackebrod and other "flat breads." (Ge) Brot Geback 20 (9):169-174. Ref. Sept.1966. 293.8 G33
- 1682 KENT, N. L. Technology of cereals with special reference to wheat. Oxford, Pergamon Press, 1966. 262 p. Ref. (The Commonwealth and International Library of Science, Technology, Engineering, and Liberal Studies. Food Science and Technology Division, 2384) TS2145.K4
- 1683 KLEIMAN, I. L. Automatic control of sulfur dioxide in production of raw cornstarch. (Rus) Sakhar. Prom. 9:65-67. Sept.1966. 68.5 Sa2
- 1684 KUNZE, J. Die Kostenstruktur des westdeutschen Braugewerbes [Cost structure of the West German brewing industry]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 15,304 p. 1964. 105.8 B644
Bibliography, p.293-303.
Marketing of barley, malt, and hops and prices of the last two.
- 1685 LARSEN, M. R. Communist Chinese agricultural ills are still problem. Grain Age 7(9): 9-10. Sept.1966. 281.8 G76
- 1686 LARSON, L. H. Nighttime aeration gives brief protection to wet shelled corn. Doane's Agr. Rep. 29(26):20-21. Sept.8,1966. 281.8 D652
- 1687 LONGWORTH, J. W. The Australian Wheat Industry Stabilization Scheme: An analytical model. Econ. Rec. 42(98):244-255. June 1966. 280.8 Ec74
- 1688 MAMARIL, F. P., and POMERANZ, Y. Isolation and characterisation of wheat flour proteins. IV. Effects on wheat flour proteins of dough mixing and of oxidising agents. J. Sci. Food Agr. 17(8):339-343. Ref. Aug.1966. 382 So12
- 1689 MANDER, K. C., and CAM, D. Victorian wheat crop; quality characteristics, season, 1965-66. J. Agr. [Melbourne] 64(8):351-359, map. Aug. 1966. 23 V66J
- 1690 MCVEY, D. H. Grain co-ops show their muscle. Co-op Grain Quart 24(2):38-44. Summer 1966. 280.28 C7898
- 1691 MOSHKOV, YU. A. Zernovaya problema v gody sploshnoi kollektivizatsii sel'skogo khozyaistva SSSR, 1929-1932 gg [Grain problems in the time of general collectivization of the farms in USSR, 1929-1932]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1966. 230 p. Ref. HD9045.U4M6
- 1692 NAIR, K. K., and BROWNELL, L. E. The clearance of gamma-irradiated wheat and the international importance of this act. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:325-359. Ref. 1965. TX611.5.R3
- 1693 NATZ, D. Elevator managers learn grain hedging techniques to improve storage profits. Feedstuffs 38(39):48-50, 52. Oct.1,1966. 286.81 F322
- 1694 PEDERSEN, T. T. Kornkernens slagstyrke, slaglemollens effektivitet [Shear stress of grain kernel—and energy requirement of the hammer mill]. Copenhagen, Vet. Landbohøjsk. Jordbrugstek. Inst. Meddel. 9,49 p. Ref. June 1966. 58.9 C792
English summary.
- 1695 PETERSEN, H. J. Grain storage. (Da) Landbonytt 20(8):275-282. Aug.1966. 11 L2322
- 1696 PINGALE, S. V. Storage of food grains in India. Trop. Stored Prod. Inform. 11:415-423. Ref. 1965. 421 T752
- 1697 PORTERES, R. The names of rice in Guinea. (Fr) J. Agr. Trop. Bot. Appl. 13(1/3):1-32. (Cont.) Jan./Mar.1966. 26 J822
- 1698 PORTERES, R. The names of rice in Guinea. (Fr) J. Agr. Trop. Bot. Appl. 13(4/5):207-232. (Cont.) Apr./May 1966. 26 J822
- 1699 RAJAMA, J., NIKKILA, O. E., and MAKELA, P. Strontium-90 in Finnish and some imported cereals during the harvest period 1963-64. Nature [London] 211(5045):213-214, map. July 9,1966. 472 N21
- 1700 REXEN, F. P. Industrial utilization of surplus straw. (Da) Tølmandsbladet 37(12):605-608. Dec.1965. 11 T58
In the cellulose industry, as feed and in fiber-board manufacture.
- 1701 RICKENBACKER, J. E., and THOMPSON, W. H. Losses in transporting and handling grain by selected grain marketing cooperatives. U. S. D. A. Marketing Res. Rep. 766,22 p. Aug. 1966. 1 Ag84Mr
By rail and barge.
- 1702 RODRIGUEZ CRISTOBAL, J. A. Variation of carotene contents in cereals in relation to storing time. (Sp) Madrid. Inst. Invest. Vet. An. 14/15:85-92. 1964-65:85-92. 1964-65. 41.9 M262
- 1703 ROESTEL, S. Erzeugung und Verwertung von Roggen und Hafer in der Europäischen Wirtschaftsgemeinschaft; Anbau und Bedeutung dieser Getreidearten in der Bundesrepublik Deutschland [Production and utilization of rye and oats in the European Economic Community; culture and importance of these grains in the German Federal Republic]. Giessen, Justus-Liebig-Universität. Fak. [Diss.], 14,121 p., map. Ref. p.118-120. 1964. 105.8 G36
- 1704 ROHRICH, M., and BRUCKNER, G. Das Getreide. I. Das Getreide und seine Verarbeitung [Grain. I. Grain and its processing]. Grundlagen Fortsch. Lebensmitteluntersuch. 4 (pt.1,ed.2,rev.), 227 p. Ref. 1966. 389.8 G92
Includes milling.
- 1705 ROHRMOSER, K. Untersuchungen über Beziehungen zwischen Witterung und Ertrag bei Weizen, Gerste und Baumwolle in einigen Gebieten der Türkei [Research on relation between weather and yield of wheat, barley (and cotton) in some districts of Turkey]. Hohenheim. Landwirt. Hochsch. Diss. 15,130 p. 1964. 105.8 H686D
Bibliography, p.134-138.
A statistical correlation.
- 1706 RUTGERS, R. Pre-cooked dried grain products. (Du) Conserva 15(2):46-49. (Concl.) Aug.1966. 389.8 C7632
- 1707 SCHEPER, W. Demand for grain for human nutrition in the German Federal Republic to the year 1975. (Ge) Brot Geback 20(9):177,180-186. Sept.1966. 298.8 G33
- 1708 SCHILLER, G. W., and CRANDALL, L. G. Laboratory studies of flour; characteristics for continuous-mix bread. Cereal Sci. Today 11 (9):373,378-380,428. Sept.1966. 59.8 C333
- 1709 SHELLENBERGER, J. Basic differences in oxidative responses of wheat flour. Amer. Soc. Bakery Eng. Proc., 42nd Annu. Mtg. 112-120. 1966. 389.9 Am37B
Includes discussion.
- 1710 SPURLOCK, H. C., and others. An economic analysis of harvesting, processing, and storing Coastal bermudagrass [Cynodon dactylon] hay and pellets. S. C. Agr. Exp. Sta. Buil. 527,15 p. July 1966. 100 So8
N. A. Wynn, W. A. Balk, and D. E. Crawford, joint authors.
- 1711 STAWICKI, S., and KAMINSKI, E. Effect of quantitative and qualitative infection of wheat flour on its stability, biochemical and technological properties; final technical report. Poznan, 1965. 73 p. TX545.S7
Foreign grant No:FG-Po-128-61; Project No:E21-AMS-7.
Bibliography, p.64-73.
- 1712 STEERS, D. Grain harvest prospects far from bright. Agr. Merchant 46(9):6-7. Sept.1966. 10 Ag89
Outlook on barley and wheat in Great Britain.
- 1713 STERMER, R. A., and SCHROEDER, H. W. Market quality research of rice in Texas, 1965-66. Rice J. 69(7):80-81. June 30,1966. 59.8 R36
- 1714 SZALAY, GY. Acreage ratio of winter and summer barley in northern Hungary. (Hu) Magyar Mezőgazdaság 21(32):8-9. Aug.10, 1966. 19 M27

- 1715 SZARF, A. Modern flour mills in developing countries. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(6):5-15. June 1966. 251 F73MB
- 1716 TANDA, Y. On moisture content of rice. I. Hygroscopic equilibrium of rice in relation to the grain texture. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):38-42. Aug. 1966. 22.5 C88 English summary.
- 1717 VEEN, W. J. H. VAN. Mobile grain drier for the contract firm. (Du) Loonbedrijf Land-Tuinbouw 19(7):603,605,607. July 1966. 283.8 L87
- 1718 WICHSE, W. R. A miller's challenge: the future of U.S. milling industry. Milling 147(7):126. Aug. 19, 1966. 298.8 M622
- 1719 WINNIPEG GRAIN EXCHANGE. List of members, March 1, 1966. Winnipeg, 1966. 48 p. 287 W73L

HONEY AND BEESWAX

- 1720 EVENIUS, J. Forty years of the standard glass of the German Beekeepers Federation [Deutscher Imkerbund]. (Ge) Deut. Bienenwirtsch. 17(3):145-148. June 1966. 424.8 D489 Container for honey.
- 1721 LASZLO, F. Historical data on honey. (Hu) Magyar Allatorv. Lapja 21(6):280-281. Ref. June 1966. 41.8 V644

LIVESTOCK AND LIVESTOCK PRODUCTS

- 1722 ANDERSEN, P. P. Production and marketing of beef in U.S.A. (Da) Tolvmåndsbladet 38(3):149-155. Mar. 1966. 11 T58
- 1723 ANTONOV, S. Progress in the meat and dairy industry. U. S. Joint Publ. Res. Serv. Transl. USSR Commun. Goods Dom. Trade 135:1-9. Sept. 6, 1966. (JPRS 37,450; TT 66-33878) 173 J663Tro
Translation from Sovetskaya Torgovlya 7:6-11. July 1966.
Issued by CFSTI.
- 1724 BAKER, F. H. Making our best better. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:69-83, map. 1965. 49.9 W27
In livestock production.
- 1725 BELVILLE, L. Cattle raising in Brazil—problems on the pasture. Brazil. Bus. (7):19-21. July 1966. 286.8 B732
- 1726 BORGIOI, E. Zootechnical crisis and responsibility. (It) Inform. Zootec. 13(10):427-428. May 15, 1966. 49 In3
- 1727 BROADBENT, E. E., and HINTON, R. A. Live-stock-feed surpluses increase faster than meat production in the St. Louis trade territory. Ill. Res. 8(3):12-13, map. Summer 1966. 100 IL64
Includes marketing trends in Missouri and Illinois.
- 1728 BUCAR, F. Possibilities in meat industry. (Sl) Soc. Kmetijstvo Gozdarstvo 16(16):398-400. Nov. 18, 1965. 21.5 S014
Includes prices.
- 1729 BUTZ, E. L. Never was the future so close as now. Nat. Inst. Anim. Agr. Proc., 15th Conf.: 5-9. 1965. 49.9 N219
- 1730 COLEOU, J. The development of relations between the livestock producer and the feed manufacturer in relation to the orientation of animal production ateliers. (Fr) Indus. Aliment. Agr. 83(6):697-700. June 1966. 383 As7
- 1731 CORONEL, A. B. The role of the Bureau of Animal Industry in livestock and poultry production. Philippine J. Anim. Indus. 21(4):211-213. Fourth Q. 1960, pub. 1965. 49.9 P53P
- 1732 DAVIES, A. P. The need for a free market. Leather Shoes 152(18):47-49. Oct. 29, 1966. 303.8 H53
Hides industry.
- 1733 DEGRAFF, H. Hog production has many ifs. Nat. Provisioner 155(12):43-44, 104-106. Sept. 17, 1966. 286.85 N21
Industry.
- 1734 DIFFIDENTI, G. A. New horizons in zootechny. (It) Inform. Zootec. 13(8):345-347. Apr. 30, 1966. 49 In3
- 1735 GAD, H. Regional trends in Danish agricultural production. (Da) Tidsskr. Landokon. 7:339-346. Aug./Sept. 1966. 11 T43
Livestock production.
- 1736 GACLIARDI, P. Aspects of production, distribution, and consumption of beef in Italy. (It) Romagna Agr. Zootec. 51(7):269-272. (Cont.) July 1966. 16 R66
- 1737 GUPTA, P. P. Animal husbandry and cattle problem in India. Gosamvardhana 14(4):18-21. July 1966. 43.8 G69
- 1738 HEISIG, C. P. Geographic adjustments. Nat. Inst. Anim. Agr. Proc., 15th Conf.:10-15. 1965. 49.9 N219
In livestock production.
- 1739 HENDERSON, H., and others. Livestock and meat; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 50, 20 p. June 1966. 284.9 M58
E. C. Miller, G. Blank, J. Price, H. Riley, and W. McLeod, joint authors.
Published jointly with Michigan State University, Cooperative Extension Service.
I. Michigan's beef cattle, swine, sheep, and horse industry, by H. Henderson, E. C. Miller, and G. Blank; II. Livestock and meat marketing, by J. Price, H. Riley, and W. McLeod.
- 1740 HOBSON, K. Beef cattle outlook. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:125-126. 1965. 49.9 W27
- 1741 HOBSON, K. Outlook for hogs. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:127. 1965. 49.9 W27
- 1742 KIRSTEN, G. J. C. The production and marketing of Karakul pelts. Agrekon 5(3):22-29. July 1966. 281.8 Ag835
In South Africa.
- 1743 LANG, H. G. Higher living standards through increased livestock numbers. Massey Univ. Manawatu. Sheepfarming Annu. 1965:123-128. 45.9 M38S
New Zealand.
- 1744 LAW, N. H. Meat Industry Research Institute of New Zealand. Meat Trades J. Australia 29(7):40, 42, 44-47. July 1966. 50.8 M465
- 1745 LITWINOWICZ, J. Present problems of the Italian meat economy. (Pol) Gosp. Miesna 18(4):23-25. Apr. 1966. 50.8 G69
- 1746 MACASKILL, D. W. G. Wanted: men with imagination; challenge: to modernize; reward: profits. Can. Wool Grower Sheep Breeder 37(3):5. Fall 1966. 280.28 C16
Sheep industry.
- 1747 MAYNARD, E. C. Sheep industry in Britain. Can. Wool Grower Sheep Breeder 37(3):6-8. Fall 1966. 280.28 C16
- 1748 MEDINA MUNOZ, G. F., and POZO SANCHEZ, G. DEL. Domestic swine raising. (Sp) Panagra 5(66):30-33. Apr. 1966. 8 P196
Industry in Mexico.
- 1749 MOOS, D. Livestock picture in the state of Washington. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:63-67. 1965. 49.9 W27
- 1750 MUIR, J., and MCNEELY, G. History of the cattle industry in Contra Costa & Alameda Counties. Calif. Cattleman 49(3):26-32. Mar. 1966. 43.8 C12
- 1751 NATIONAL INSTITUTE OF ANIMAL AGRICULTURE. Fifteenth Institute-proceedings, Purdue University, Lafayette, Indiana, April 4-5-6, 1965. 127 p. 49.9 N219
Program: Animal agriculture gears up for 1980.
- 1752 NEILSON, H. R. The future pattern of beef production. Oxford Farming Conf. Rep. Proc., 19th Conf.:127-136. 1965. 5 Ox2
- 1753 NEW ZEALAND. MEAT AND WOOL BOARDS' ECONOMIC SERV. Annual review of the sheep industry, 1965/66. Wellington, 1966. 40 p. 281.3459 N482
Statistics included.

- 1754 NEW ZEALAND MEAT PRODUCERS BOARD. Forty-fourth annual report and statement of accounts to be submitted to the annual meeting of delegates constituting the Electoral Committee to be held on 25th and 26th August, 1966. Wellington, 1966. 72 p. 50.9 N48
- 1755 PHILLIPS, R. W. The livestock industry: its scope and potential. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.1-34, map. Ref. 1966. SF61.C6
- 1756 RASTOGI, V. K. Increasing food production: cattle a vital link. Gosamvardhana 14(4):5-8. July 1966. 43.8 C69
- 1757 REDD, C. Animal adjustments. Nat. Inst. Anim. Agr. Proc., 15th Conf.:16-18. 1965. 49.9 N219
Policies and situation of industry.
- 1758 REMOUNDOS, D. K. Need for speeding the development of livestock as a goal of the economic program. (Gre) Delt. Agrotikes Trapezes 150:22-23. May/June 1966. 21.7 D38
- 1759 RESTIVO. Prospects and lines of action for livestock raising. (It) Agricoltura 15(350):15-17. Sept. 1966. 16 Ag8226
- 1760 ROF CODINA, J. Improvement of meat quality. (Sp) Cult. Mod. 49(6):217. June 1966. 15 C89
Beef products and cattle castration.
- 1761 SHAFRAN, A. M., and FEDICHKIN, A. G. Improved index of animal husbandry production per 100 hectares of land. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:112-118. 1965. 281.9 M852
- 1762 SIGURDSSON, H. Meat crisis in Argentina. (Nov) Tolvmandsbladet 37(11):535-541. Nov. 1965. 11 T58
- 1763 SPIESZ, A., and WATZKA, J. Livestock husbandry of the Tekov district in the 18th century. (Cz) Agrikultura 4:7-28, map. 1965. 19.5 Ag6
German summary.
- 1764 STAIGER, W. B. The challenge of change. Calif. Cattleman 49(2):20-21, 23. Feb. 1966. 43.8 C12
To the California Cattlemen's Association.
- 1765 TISDALE, W. H. J. A centennial project for the sheep industry. Can. Wool Grower Sheep Breeder 37(3):9-18. Fall 1966. 280.28 C16
- 1766 TOWNSLEY, R. J., and JOHNSON, R. W. M. A review of the Argentine beef cattle situation. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 28, 34 p. Mar. 1966. 281.9 L632
- 1767 VAN WYK, S. P. Some important trends in beef production in South Africa. Agrekon 5(3):8-16. July 1966. 281.8 Ag835
Cattle and meat.
- 1768 VICKERY, J. R. Meat research—aspects of an Australian venture. Food Technol. Australia 18(7):375, 377-381. July 1966. 389.3 F7333
Research programs of the Australia Commonwealth Scientific and Industrial Research Organization.
- 1769 WILLIAMS, W. F. Structure and conduct of the commercial cattle feeding industry. Nat. Comm. Food Marketing. Tech. Stud. 1(sup.1), 80 p. June 1966. HD9001.A3
- 1770 WOODS, N. R. Problems facing the sheep industry. Oxford Farming Conf. Rep. Proc., 19th Conf.:136-144. 1965. 5 O22
- 1771 WYCKOFF, J. B. The cattle producer in a changing beef economy. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:51-57. 1965. 49.9 W27
- 1773 BEREK, MRS. G. Measuring of the fur homogeneity from the point of view of wrinkledness. (Hu) Kiserletugyi Közlemenyek 56(B(1)):39-52. 1965, pub. 1966. 105.9 H89
English summary.
Sheep.
- 1774 DOTY, D. M. Chemical changes in irradiated meats. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:121-125. Ref. 1965. TX611.5.R3
- 1775 GARDNER, G. A., and STEWART, D. J. The bacterial production of glutamic acid in stored comminuted beef. J. App. Bacteriol. 29(2):365-374. Ref. Aug. 1966. 448.39 Sol2
Pseudomonas.
- 1776 GRASENICK, F. On the fine structure of gelatin, thixotropic gels, and other examples. (Ge) Kolloid- Z. Z. Polymere 211(1/2):62. July/Aug. 1966. 384 Z315
- 1777 GREENBERG, R. A., and others. Incidence of mesophilic Clostridium spores in raw pork, beef, and chicken in processing plants in the United States and Canada. Appl. Microbiol. 14(5):789-793. Sept. 1966. 448.3 Ap5
R. B. Tompkin, B. O. Bladel, R. S. Kittaka, and A. Anellis, joint authors.
Clostridium botulinum.
- 1778 HAMM, R., and HOFMANN, K. Sulfur-containing compounds of meat. III. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 130(3):133-145. Ref. 1966. 384 Z39
- 1779 HEIDEMANN, E., MAGERKURTH, B., and BRESLER, H. Research on the stretch of leather. 2. (Ge) Leder 17(8):199-206. Aug. 1966. 303.8 L492
English summary.
- 1780 INGRAM, M. Introductory remarks, with special reference to meat. J. App. Bacteriol. 29(2):217-221. Ref. Aug. 1966. 448.39 Sol2
- 1781 JAY, J. M. Relationship between the phenomena of extract-release volume and water-holding capacity of meats as simple and rapid methods for determining microbial quality of beef. Health Lab. Sci. 3(2):101-110. Ref. Apr. 1966. 449.8 H343
- 1782 MORTELMANS, J. The problem of Salmonella in meat and its importance in tropical countries. (Fr) Soc. Pathol. Exot. Bull. 58(4):680-686. July/Aug. 1965. 448.9 Sol3
English summary.
- 1783 PEAU, A., LOHSE, B., and SCHRODER, J. Photometric determination of meat quality characteristics. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 130(3):145-152. 1966. 384 Z39
- 1784 RADAN, M. A practical method for the differentiation of frozen beef from fresh chilled beef. Refuah Vet. 22(2):111. June 1965. 41.8 R25
Text also in Hebrew.
- 1785 URTUBEY, C. R. Some concepts on hydrolyzates. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):53-56. Jan./Feb. 1966. 41.8 B86
Chiefly protein hydrolyzates of animal origin.
- 1786 WERHAHN, E. Untersuchungen über die Eignung des Festigkeitssprügerates nach N. Wolodkewitsch zur objektiven Messung der Zartheit von Kalb- und Hühnerfleisch [Research on the suitability of the N. Wolodkewitsch resistance tester for the objective measurement of tenderness in calf and poultry meat]. Hohenheim. Landwirt. Hochschule. Diss. 16, 80 p. Mar. 1964. 105.8 H686D
Bibliography, p.73-78.
- 1787 YANG, S. P., and others. Study shows beef steaks provide essential fatty acids. La. Agr. 9(4):6-7. Summer 1966. 100 L939
M. E. Cole, M. M. Fielder, and E. C. Glaze, joint authors.

Analysis and Composition

- 1772 BANU, C., and CIORITA, C. Biochemical processes in stored meat and the protection of color of fresh meat with plastic packing. (Rum) Indus. Aliment. 16(9):465-467. Sept. 1965. 389.8 In26
English summary, p.3 of supplement.

Consumption and Utilization

- 1788 BROOKOVER, S. Let's buy meat, an educational program. U. S. Consum. Marketing Serv. C&MS-47.4 p. July 1966. A280.39 C762
- 1789 COLMAN, D. R. Elasticity of demand for two grades of beef. Ill. Agr. Econ. 6(2):11-18. July 1966. 281.9 IL61

- 1790 LAW, H. M., and BEESON, M. S. Consumers prefer low-fat content in ground beef. *J. Home Econ.* 58(8):678-681. Oct. 1966. 321.8 J82
- 1791 PEARSON, A. M. Meats. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p. 37-63. Ref. 1966. SF61.C6
Consumption and products.

Distribution, Marketing, and Transportation

- 1792 ALLEN, A. V. Demand for yearlings continues to mount while supply is growing weaker. *Livestock Breeder J.* 9(9):24. Sept. 1966. 49 L758
Calves.
- 1793 ANDERSON, A. W., and KORTAN, L. J. Buying feeder pigs? An economic and management guide. S. Dak. State Univ. Ext. FS 317, 4 p. July 1966. 275.29 S085Fs
- 1794 ASDRUBALI, G., and PAGLIA LUNGA, S. Supply and consumption of fresh meat in an ordinary chief town of a province for the predominant agricultural economy: research done in a town of Perugia. (It) *Vet. Ital.* 15(6):442-468. Ref. June 1964. 41.8 C87
- 1795 BERG, M. The role of the wholesaler in the meat industry. *Oxford Farming Conf. Rep. Proc.*, 19th Conf.:98-104. 1965. 5 Ox22
- 1796 BOWDEN, E. Buying at the sheep sales—a guide. *Beef Sheep Farming* 2(4):14-15. July/Aug. 1965. 43.8 B392
Great Britain.
- 1797 CARPENTER, G. A., Marketing of livestock and meats. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p. 721-739. 1966. SF61.C6
- 1798 CARROLL, M. A. Need for reorganization of beef marketing: a researcher's view. *Farm Res. News* 7(3):63-66. May/June 1966. 10.5 F223
Ireland.
- 1799 COLEBROOK, P. M. The role of the retail meat trader. *Oxford Farming Conf. Rep. Proc.*, 19th Conf.:104-111. 1965. 5 Ox22
- 1800 COLLEY, R. J. A further study in the demand for fatstock. *J. Agr. Econ. [Reading]* 17(2): 171-180. Sept. 1966. 281.9 Ag8
Pork, beef, and bacon markets.
- 1801 COOK, M. K. Georgia sales are growing in number and reputation. *Feedlot* 8(9):76-77. Sept. 1965. 43.8 F32
Of calves.
- 1802 FOCACCI, A., and GHILARDI, G. Supplying-distribution and consumption of animals for slaughter meats in the Commune of Grosseto during the years 1959-1964; considerations. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18: 101-114. 1965, pub. 1966. 41.9 P87
English summary.
- 1803 GOODWIN, J. D. Optimum distribution patterns of feeder cattle from the Southeast. *Southern Coop. Ser. Bull.* 101, 75 p., map. Ref. Oct. 1965. 100 G29S6
Agricultural Experiment Stations of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Tennessee, Virginia, West Virginia, and Puerto Rico; U. S. Department of Agriculture, and Tennessee Valley Authority, cooperating.
- 1804 HIERONYMUS, T. A. Futures trading in hogs. *Ill. Agr. Econ.* 6(2):1-10. July 1966. 281.9 IL61
- 1805 HILLINGER, C. Sheep walking along the California Sheep Trail. *Our Public Lands* 16(2):14-15, map. Fall 1966. 156.55 Ou7
- 1806 JUCKES, T. S. The place of the farmers' meat group. *Oxford Farming Conf. Rep. Proc.*, 19th Conf.:111-116. 1965. 5 Ox22
Marketing association.
- 1807 KOZLOWSKI, S. On possibility of changes in the payment system in livestock purchasing. I. (Pol) *Gosp. Miesna* 18(4):15-16. Apr. 1966. 50.8 G69
- 1808 LOMEN, D. A former cattle buyer talks about direct selling. *Doane's Agr. Rep.* 29(26):22-24. Sept. 8, 1966. 281.8 D652
- 1809 MACKIN, L. M. How are you shipping your rabbits? *Amer. Rabbit J.* 36(5):7-8. May/June 1966. 40.28 Am3
- 1810 MASSI, O., and ROSETTI, V. Pork; analysis of costs of marketing according to age, type, commercial utilization. (It) *Agricoltura* 15 (2):33-40. Feb. 1966. 16 Ag8226
- 1811 NEIMAN, P. Finding a market for rabbits. *Amer. Rabbit J.* 36(2):1. Feb. 1966. 40.28 Am3
- 1812 OUZTS, C. A. Marketing decisions must be based on statistics which are accurate. *Fla. Cattleman Livestock J.* 30(11):22, 34B. Aug. 1966. 43.8 F66
Beef cattle.
- 1813 PETER, E. The crisis in the pork supply. (Ge) *Osterr. Inst. Wirtschaftsforsch. Monatsber.* 39(7):258-264. July 1966. 280.9 V672
Includes prices and control.
- 1814 REHBERG, W. A. Evaluation of marketing alternatives. *WSU (Washington State Univ.) Stockmen's Short Course*, 13th Course:59-61. 1965. 49.9 W27
For beef.
- 1815 SCHUSTER, L. R. How we use the futures market. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.: 84-88. 1965. 49.9 N219
- 1816 SEGER, J. F. How we use the futures market. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.:81-83. 1965. 49.9 N219
- 1817 SHAW, S. T. What will be on the meat counters in 1980? *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.:99-102. 1965. 49.9 N219
- 1818 SHINN, J. E. Schools use Florida beef products. *Fla. Cattleman Livestock J.* 30(10):68-69. July 1966. 43.8 F66
- 1819 ST. CLAIR, J. S. Truck size and weight laws as barriers to the interstate movement of livestock. *Wyo. Agr. Exp. Sta. Mimeogr. Circ.* 213, 14 p. Ref. June 1965. 100 W99M
- 1820 U. S. CONSUMER AND MARKETING SERV. PACKERS AND STOCKYARDS DIV. The Packers and Stockyards Act; what it is, how it operates. U. S. D. A. PA-399, slightly rev., 9 p., map. July 1966. 1 Ag85Pro
- 1821 U. S. NATIONAL COMMISSION ON FOOD MARKETING. Organization and competition in the livestock and meat industry. *Nat. Comm. Food Marketing. Tech. Stud.* 1, 189 p. June 1966. HD9001.A3
- 1822 UYACEK, E. Hedging on the futures market. *Okl. Cowman* 6(9):4. Sept. 1966. 43.8 Ok42
Of cattle.
- 1823 WALKER, D. Building a better beef market. *Calif. Cattleman* 49(4):14. Apr. 1966. 43.8 C12
Advertising.
- 1824 WIRAK, O. S., and REHBERG, W. A. Marketing alternatives for feeder and stocker cattle in the Pacific Northwest. *WSU (Washington State Univ.) Stockmen's Short Course*, 13th Course: 123-124. 1965. 49.9 W27
- 1825 WOOD, D. Economic aspects of pigmeat marketing. *Oxford, University of Oxford, Agricultural Economics Research Institute*, 1965. 61 p. HD9435.G72W6

Grading, Inspection, Standardization, and Quality

- 1826 ALDOR, T. Some methods of the objective estimation of ready made meals. II. (Hu) *Elovilg* 10(6):345-347. 1965. 410 EL6
Meat judging.
- 1827 DUCKWORTH, N. What the label means on the sausage you buy. *Agr. Marketing [Washington]*, Sept. 1966:14-15. A280.38 Ag8
- 1828 FERGUSON, D. R. The United States Department of Agriculture meat grading system. *WSU (Washington State Univ.) Stockmen's Short Course*, 13th Course:85-89. 1965. 49.9 W27
Consumer and Marketing Service Meat Inspection Division.

- 1829 GREENE, B. E., and WATTS, B. M. Lipid oxidation in irradiated cooked beef. *Food Technol.* 20(8):111-114. Ref. Aug.1966. 389.8 F7396
- 1830 GRZEGORZEWICZ, J., and BYKOWSKI, W. Supplying the market with meat of definite quality and culinary value. (Pol) *Gosp. Miesna* 18(4):5-10. Apr.1966. 50.8 G69
Standards for beef and pork cuts.
- 1831 HANSON, W. C. Cesium-137 body burdens in Alaskan Eskimos during the summer of 1965. *Science* 153(3735):525-526. July 29,1966. 470 Sc12
From caribou meat.
- 1832 JUDGE, M. D., and WALLENTINE, M. V. Beef carcass evaluation. *Purdue Univ. Ext. Ext. Circ.* 522,8 p. Nov.1965. 275.29 In2E
- 1833 KING, G. T., and CARPENTER, Z. L. Bull beef passes taste test. *Amer. Cattle Prod.* 48(4):12. Sept.1966. 49 P94
- 1834 LEE, R. J., and HARPER, H. W. Meat and poultry inspection. U. S. D. A. Yearbook Agr. 1966:280-289. 1 Ag84Y
- 1835 LEVINGER, I. M. Percentage of trefot in Shehita. (Sum.). *Refuah Vet.* 22(4):258. Dec.1965. 41.8 R25
Text also in Hebrew.
Of carcasses condemned in Israel, Yugoslavia and Ethiopia.
- 1836 NORTH DAKOTA. LIVESTOCK SANITARY BOARD. Laws and regulations pertaining to livestock sanitary control work. Bismarck, 1966. 114 p. 41.5 N812
- 1837 PIERCE, J. C., HALLETT, D., and MURPHEY, C. E. Classification and grading of livestock. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed.2, p.708-720. 1966. SF61.C6
- 1838 PIERCE, J. C., HALLETT, D., and MURPHEY, C. E. Classification and grading of meats. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed.2, p.683-707. Ref. 1966. SF61.C6
- 1839 POTTER, G. What constitutes a well-fleshed hide? *Nat. Provisioner* 155(12):86,88. Sept.17,1966. 286.85 N21
- 1840 SOCIETA ITALIANA PER IL PROGRESSO DELLA ZOOTECNICA. 51° convegno sociale sul tema: la qualificazione ed il mercato delle carni bovine, Milano 1964 [51st conference of the society on the subject: Evaluation and marketing of beef, Milan, 1964]. *Zootec. Vet.* 20 (spec.no.),61 p. May 1965. 51.8 Z7
- 1841 STEPHENS, M. R. Public health regulations and restrictions. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.:69-76. 1965. 49.9 N219
- 1842 TANCOS, J. J. Current defects of hide, skin and leather. *Leather Shoes* 152(8):25-26. Ref. Aug.20,1966. 303.8 H53
- 1848 HARRIS, E. Tomorrow's opportunities in futures. *Nat. Inst. Anim. Agr. Proc.*, 15th Conf.:89-92. 1965. 49.9 N219
Chiefly prices.
- 1849 MONTGOMERY, G. A. Lower prices for replacements? *Feedlot* 8(9):22,24. Sept.1966. 43.8 F32
Of calves.
- 1850 PASSAMONTI, G. Orientation to new prices of beef cattle. (It) *Inform. Zootec.* 13(6):247-249. Mar.31,1966. 49 In3
- 1851 PURCELL, J. C., ROHDY, D. D., and FISHEL, W. L. Analysis of prices of hogs in the Southeast. *Southern Coop. Ser. Bull.* 103,43 p.,map. Apr.1965. 100 G29S0
Agricultural Experiment Stations of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Virginia, West Virginia, and Puerto Rico; and U. S. Department of Agriculture, cooperating.
- 1852 SHEEP AND GOAT RAISER.CHICAGO BUR. Analyzing livestock and meat situation. *Sheep Goat Raiser* 46(12):11,14. Sept.1966. 45.8 Sh3
Chiefly prices.
- 1853 SIMPSON, F. M. Consumer spending might be factor that decides prices in the fall. *Livestock Breeder J.* 9(9):14. Sept.1966. 49 L758
For cattle.
- 1854 STERN, V., RIHTARZIC, N., and GLIHA, S. Profitability of milk production and cattle feeding before and after economic reform. (SI) *Soc. Kmetijstvo Gozdarstvo* 16(16):377-382. Nov.18,1965. 21.5 So14
Prices and costs.

Processing and Storage

- 1855 ASDRUBALI, G. Investigations of the sterilization of salt meat products by irradiation. *Vet. Ital.* 17(3/4):107-122. Ref. Mar./Apr. 1966. 41.8 C87
Text also in Italian.
- 1856 COHEN, E. H. Protein changes related to ham processing temperatures. I. Effect of time-temperature on amount and composition of soluble proteins. *J. Food Sci.* 31(5):746-750. Ref. Sept./Oct.1966. 389.8 F7322
- 1857 HANSEN, N. H. Radiation preservation of ham and other cured meats. *Int. Conf. Radiat. Preserv. Foods. Proc.* 1964:81-85. 1965. TX611.5.R3
- 1858 HETZEL, V., SOMERVILLE, I. C., and CARES, C. J. Further studies on dimethylamine in hair-destroying processes. *Amer. Leather Chem. Ass. J.* 61(10):536-548. Oct.1966. 303.9 Am32
Includes discussion.
- 1859 HORMANN, H., and HAFTER, R. Development work for the use of soluble collagen for the manufacture of leather materials. (Ge) *Leder* 17(8):185-198. Ref. Aug.1966. 303.8 L492
English summary.
- 1860 ITAKAWA, O., and others. Histochemical studies of hides in process from fresh skins to tanned leathers. III. *Tohoku J. Agr. Res.* 16(4):275-288,290-297. Mar.1966. 2.5 T574
T. Hoshino, T. Yanaguchi, K. Hata, A. Suzuki, and K. Minegishi, joint authors.
- 1861 KROL, B. The importance of cold in the small-scale packing of meat. (Du) *Conserva* 15(2):34-40. Ref. Aug.1966. 389.8 C7632
French summary.
Refrigeration.
- 1862 LAUER, V. H. Impact of conveyORIZED smoke-houses. *Meat* 32(10):34-37. Oct.1966. 286.85 M464
Automation.
- 1863 NEMES, K. Pretreatment of salami-meat. (Hu) *Husipar* 15(3):99-101. May/June 1966. 50.8 H95
English summary.
- 1864 PASTUSKA, G., KRUGER, R., and HOHN, R. Analytical research for determination of pit tanning according to an old method. (Ge) *Leder* 17(8):207-213. Aug.1966. 303.8 L492
English summary.
- Packing and Packaging
- 1843 CATELLANI, G., and others. Some precise remarks prompted by our recent work on meat preserved in plastic cover. (It) *Vet. Ital.* 17(3/4):155-157. Mar./Apr.1966. 41.8 C87
A. Giordano, L. Pesino, and C. Pojer, joint authors.
- 1844 LOWMAN, W. H. Marketing forum: is centralized packaging inevitable? II. *Meat* 32(9):45-49. Sept.1966. 286.85 M464
Statements by W. H. Lowman, J. A. Brewer, D. B. Stirling, C. LeBeau, T. Gorman, and F. W. Spannagel.
- 1845 MANASSE, P. Shipping hides on pallets. *Leather Shoes* 152(18):29-31. Oct.29,1966. 303.8 H53
- 1846 RAMSBOTTOM, J. M. Packaging luncheon meats. I. *Meat* 32(10):46,48,50. Oct.1966. 286.85 M464
- Prices, Price Control, and Rationing
- 1847 BANKS, Q. D. Expect lower hog prices this fall and winter. *Kans. Stockman* 51(11):46. Sept.1966. 49 K134

- 1865 PIERSON, F. Technical considerations on the vacuum drying of box calf. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Bull. Doc. Inform. 28(4):119-131. Apr.1966. 303.8 B87 English summary.
- 1866 SMOLINSKA, T., and LABECKA, S. Selection of chemicals accelerating the soaking of dried skins preserved for laboratory purposes. (Pol) Wroclaw, Wyzsza Szkola Roln. Zeszyty Nauk, Zootech. 13:227-239. 1964, pub.1965. 49.9 B75 English summary.
Of nutria and foxes.
- 1867 STRASZEWSKI, T. Experiences from freezing cured meat products in Poznan. (Pol) Gosp. Miesna 18(4):10-12. Apr.1966. 50.8 G69
- 1868 THOMPSON, J. W. Cost for beaming hides at the source of supply. Leather Shoes 152(18): 31,33-34. Oct.29,1966. 303.8 H53
- 1869 URBAIN, W. M. Radiation preservation of fresh meat and poultry. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:87-98. Ref. 1965. TX611.5.R3
- 1870 VAN VILMMEREN, P. J., and KOOPMAN, R. C. Investigations on side leather manufacture. Amer. Leather Chem. Ass. J. 61(9):444-467. Sept.1966. 303.9 Am32
- 1871 WIERBICKI, E., SIMON, M., and JOSEPHSON, E. S. Preservation of meats by sterilizing doses of ionizing radiation. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:383-409. Ref., p.406-409. 1965. TX611.5.R3
- 1872 WITT, M. N. The lore of catlelhides. Leather Shoes 152(18):24-25. Oct.29,1966. 303.8 H53 Developments in the past fifty years.
- Statistics
- 1873 DALY, P. J. Killmaine sheep census, Farm Res. News 6(4):85-87. July/Aug.1965. 10.5 F223
Ireland.
- 1874 GRUSZECKI, S. Remarks on slaughtering livestock on the farm. (Pol) Gosp. Miesna 18(4):17-18. Apr.1966. 50.8 G69
Economic aspects and statistics.
- 1875 KADIC, M. Horses, cattle and swine in the south-eastern part of Slavonia during 1895-1964. (Se) Stocarstvo 20(5/6):242-247. May/June 1966. 43.8 St6
Statistics and history.
- 1876 LACAL GARCIA, M. Production and marketing of sheep. (Sp) Rev. Sindical Estad. 21(81): 38-55, map. First Q.1966. 263 Es8B
Statistics.
- 1877 LIDEN, N. Number and distribution of fur animals. (Sw) Vara Palsdjur 37(9):383-384, 389-390, 393, map. Sept.15,1966. 410 V42
- 1878 LOPEZ ZUMEL, J. M. Increased importance of livestock in the final agricultural product. (Sp) Rev. Sindical Estad. 21(82):18-25. Second Q.1966. 263 Es8B
Statistical.
- 1879 LOPEZ ZUMEL, J. M. Livestock: prime factor in the Segovia economy. (Sp) Rev. Sindical Estad. 21(81):27-37. First Q.1966. 263 Es8B
Statistics.
- 1880 PAVLOVIC, U. Analysis of data of questionnaire on the production of swine and pork in 1964 and 1965. (Se) Ekon. Poljoprivrede 13(6):463-469. June 1966. 261.5 Ek72
- 1881 PUPPIS, N. Rezultati kontrole proizvodnosti krav za leta 1959-1960 to 1963-1964 [Results of the production of cattle for the period 1959/60-1963/64]. Ljubljana, Kmetijski Institut Slovenije, 1965. 19 p. 21.5 SL5
German summary.
Statistics.
- 1882 SARMIENTO UCEDA, C. The hides sector in Spain and Europe. (Sp) Rev. Sindical Estad. 21(82):26-43, 52. Second Q.1966. 263 Es8B
Statistics.
- 1883 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Stocarstvo i ribarstvo 1964 [Stock breeding and fisheries 1964]. Yugoslavia. Savezni Zavod Statist. Statist. Bilten 379,166 p. Dec.1965. 266.9 Sa9S
Contents, introduction, and table headings in English.
- OILS AND OILSEEDS
- 1884 AGRAWAL, N. J. Report of the All India Cottonseed Crushers Association. Int. Ass. Seed Crushers. Congr. 1966:24-25. 307.9 In8
- 1885 BHUWALKA, S. A projection of India's demand for fats and oils in the future five year plans to 1976. Int. Ass. Seed Crushers. Congr. 1966:42-47. 307.9 In8
- 1886 CECIL, E. D. The shift from cotton to soybeans. Soybean Dig. 26(9):33. June 1966. 60.38 So9
In the oilseed crushing industry.
- 1887 CHAMBLESS, R. L. Soybeans, Va. Polytech. Inst. Ext. Va. Farm Econ. 198:13-14, map. July/Aug.1966. 275.29 V813
Industry.
- 1888 CHU, T. J., and WEI, Y. C. Studies on the principal unsaturated fatty acids of the seed oil of Xanthium strumarium L. (Ch) Acta Pharm. Sinica 12(11):709-712. Nov.1965. 396.8 Y1
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 46:21. Feb.28,1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSIL.
- 1889 COPPOLA, G. Report of the olive oil industry. Int. Ass. Seed Crushers. Congr. 1966:17-20. 307.9 In8
- 1890 CORRAO, A. Research on the autoxidation of virgin and crude olive oils produced in Sicily. (It) Olearia 20(1/2):5-17. Jan./Feb.1966. 307.8 OL2
English summary, p.3.
- 1891 COWAN, J. C. Key factors and recent progress in flavor stability of soybean oil. (Fr) Rev. Franc. Corps Gras 13(8/9):515-524. Ref. Aug./Sept.1966. 307.8 R32
English summary.
- 1892 CUCURACHI, A. Olive oil tuna fish canning. (It) Riv. Ital. Sostanze Grasse 43(8):335-342. Aug.1966. 307.8 OL3
English summary.
- 1893 FRANZKE, C., and STOLZ, P. The occurrence of mono- and diglycerides in fats from ripening plant seeds. (Ge) Fette, Seifen, Anstrichmittel 68(8):591-594. Ref. Aug.1966. 384 C422
English summary.
- 1894 FREIXO, J. Action of cold in food preservation. (Por) Conserv. Peixe 21(245):31. (Cont.) Aug.1966. 389.8 C7692
Refrigeration of fats.
- 1895 GAMKRELIDZE, G. L. On the desirability of the wide utilization of bay-laurel [Laurus nobilis] waste for the production of essential oil. (Rus) Makharadze, Ves. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 1: 87-92. 1965. 68.19 M28
English summary.
- 1896 GESTETNER, B., BIRK, Y., and BONDI, A. Soybean saponins. VI. Composition of carbohydrate and aglycone moieties of soybean saponin extract and of its fractions. Phytochemistry 5(4):799-802. Ref. July 1966. 450 P5622
- 1897 GESTETNER, B., and others. Soybean saponins. VII. A method for the determination of saponenin and saponin contents in soybeans. Phytochemistry 5(4):803-806. July 1966. 450 P5622
Y. Birk, A. Bondi, and Y. Tencer, joint authors.
Studied with Liebermann-Burchard reagent.

- 1898 GLUSHCHENKO, A. I., KRINITSKAYA, L. E., and MARKMAN, A. L. Oil in four *Ferula* seed varieties. (Rus) *Uzbekskii Khim. Zhur.* 4:54-60, 1964. 385 U21
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:29. Aug. 1965. Film S-202
- 1899 GONDAR, E. Application of a high frequency field of force for processing of various oil seeds. 22 p. Transl. 15490
Translation from *Nahrung* 5(1):49-65. 1961.
- 1900 HAIGHTON, A. J. The consistency of margarines and fats. 9 p. Ref. (TT 64-10181)
Transl. 16015
Translation from *Fette, Seifen, Anstrichmittel* 65(6):479-482. June 1963.
Issued by CFSTI.
- 1901 HARTMAN, L. Esterification rates of some saturated and unsaturated fatty acids with glycerol. *Amer. Oil Chem. Soc. J.* 43(9):536-538. Ref. Sept. 1966. 307.8 J82
- 1902 HOERR, C. W., MONCRIEFF, J., and PAULICKA, F. R. Crystallography of shortenings. *Baker's Dig.* 40(2):36-40. Apr. 1966. 389.8 S11
- 1903 HOGDAHL, O. T. Determination of copper in hydrogenated fats by neutron activation analysis. *Anal. Chem.* 38(10):1414-1415. Sept. 1966. 381 J825A
- 1904 HOPKINS, C. Y., and CHISHOLM, M. J. Acetylenic fatty acids of Buckley seed oil. *Chem. Indus.* 36:1533-1534. Sept. 3, 1966. 382 M31C
- 1905 HUNTER, G. L. K., and BROGDEN, W. B. Analysis of cold-pressed orange oil paraffin waxes. *Phytochemistry* 5(4):807-809. July 1966. 450 P5622
- 1906 IGOLEN, G. The Turkish rose. (Fr) *Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet.-Aerosol* 48(7):397-408, map. Ref. July 1966. 308.8 R52
English summary.
Culture and oil distillation.
- 1907 INTERNATIONAL ASSOCIATION OF SEED CRUSHERS. Congress held in Rome, June 1st to June 3rd 1966. London, 1966. 119 p. 307.9 In8
- 1908 JOUBERT, L., and GATTEFOSSE, M. On the bactericidal and pharmacodynamical properties of the oils of detepened lavender and concentrated lemon or orange. (Fr) *Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet.-Aerosol* 48(6):363-366. June 1966. 308.8 R52
English summary.
- 1909 KAUFMANN, H. P., and MUKHERJEE, K. D. Modern technology of fats and fat products. CXIII. The refining of fats. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):651-659. Ref. Aug. 1966. 384 C422
- 1910 KAWAKISHI, S., and MURAMATSU, K. Studies on the decomposition of sinabin. I. *Agr. Biol. Chem.* 30(7):688-692. July 1966. 385 Ag8B
Mustard oil glucoside.
- 1911 KAWAMURA, S. A chromatographic study of the sugars and oligosaccharides in soybeans; final report of research conducted under grants authorized by Public Law 480 for the United States Department of Agriculture. Takamatsu, Kagawa University, 1966. 51 p. Ref. QD321.K3
For food and feed.
- 1912 KLEINERT, J. Cocoa butter from the point of view of food chemists; trends in the Codex Alimentarius. (Ge) *Rev. Int. Choc.* 21(8):368,370-374. Aug. 1966. 68.38 R32
- 1913 KORITALA, S., and DUTTON, H. J. Selective hydrogenation of soybean oil. II. *Amer. Oil Chem. Soc. J.* 43(9):556-558. Sept. 1966. 307.8 J82
- 1914 KROMER, G. W. Corn oil in the United States. (Fr) *Oleagineux* 21(8/9):505-507. Aug./Sept. 1966. 77.8 OL2
- 1915 KROMER, G. W., GAZELLE, S. A., and NORRIS, E. L. U.S. fats and oils statistics, oilseeds, oils and meals, animal fats and oils, food fats, nonfood fats. U. S. D. A. Statist. Bull. 376,222 p. 1966. 1Ag84St
- 1916 KURKJIAN, G. S. Oilseeds in the Sudan. Int. Ass. Seed Crushers. Congr. 1966:52-55. 307.9 In8
- 1917 LOGAN, J. R., and MEDVED, E. Simulated meats. *J. Home Econ.* 58(8):677-678. Oct. 1966. 321.8 J82
Usually made from soybean protein.
- 1918 LORANT, B. Thermo-analytical methods in fat analysis. (Ge) *Seifen-Ole-Fette-Wachse* 92(19):617-621. Sept. 1, 1966. 307.8 Se4
English summary.
- 1919 LUCK, H., and MAAK, R. Oscillographic polarography of oxidized fats. III. Polarographic peroxide value. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):609-616. Ref. Aug. 1966. 384 C422
English summary.
- 1920 MAGNE, F. C., and others. Methods for the determination of cyclopropanoid fatty acids. VII. *Amer. Oil Chem. Soc. J.* 43(9):519-524. Sept. 1966. 307.8 J82
J. A. Harris, R. A. Pittman, and E. L. Skau, joint authors.
- 1921 MALONE, P. J. Corn oil margarine sales gaining rapidly. *Amer. Oil Chem. Soc. J.* 43(9):434A-435A. Sept. 1966. 307.8 J82
- 1922 MANJARREZ, A., and MENDOZA, V. The volatile oils of *Agastache mexicana* (Benth) Espl. and *Canilla lythralia* Benth. *Perfumery Essent. Oil Rec.* 57(9):561-562. Sept. 1966. 306.8 P41
- 1923 MARCUSE, R. Importance of oxygen pressure on the oxidation of fats in modern food storage. (It) *Riv. Ital. Sostanze Grasse* 43(7):302-309. Ref. July 1966. 307.8 OL3
English summary.
- 1924 MCMILLEN, D. W. United States report [on the fats and oils situation]. Int. Ass. Seed Crushers. Congr. 1966:10-14. 307.9 In8
- 1925 MICICH, T. J., and others. Sulfonated branched chain fatty acids and esters. *Amer. Oil Chem. Soc. J.* 43(9):539-541. Sept. 1966. 307.8 J82
E. A. Diamond, R. G. Bistline, A. J. Stirtion, and W. C. Ault, joint authors.
Properties.
- 1926 MOBLEY, J. E. Cooperative peanut selling programs. *Peanut J. Nut World* 45(11):9. Sept. 7, 1966. 77.8 P313
Chiefly the efforts of a new committee of the National Peanut Council.
- 1927 MONTEFREDINE, A. On the presence of trans isomers in non-esterified olive oils. (It) *Riv. Ital. Sostanze Grasse* 43(8):343-346. Ref. Aug. 1966. 307.8 OL3
English summary.
- 1928 MORRIS, L. J., and MARSHALL, M. O. Occurrence of *cis,trans*-linoleic acid in seed oils. *Chem. Indus.* 35:1493-1494. Ref. Aug. 27, 1966. 382 M31C
Dimorphotheca sinuata and *Crepis rubra*.
- 1929 MULLER, P. A. Essential oils from Italy and the Mediterranean area. (Ge) *Seifen-Ole-Fette-Wachse* 92(19):625-627. Ref. Sept. 1, 1966. 307.8 Se4
- 1930 NANO, G. M., MARTELLI, A., and SANCIN, P. Chemical observations on the *Artemisia* grown in Piedmont. (It) *Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet.-Aerosol* 48(7):409-412. July 1966. 308.8 R52
English summary.
Composition of the essential oil.
- 1931 NELSON, J. S., and APPLEWHITE, T. H. Castor-based derivatives: synthesis of some acrylate esters. *Amer. Oil Chem. Soc. J.* 43(9):542-545. Ref. Sept. 1966. 307.8 J82
Of hydroxy acid derivatives obtainable from castor oil.
- 1932 NIEWIADOMSKI, H., and SAWICKI, J. Composition of the sterol fraction of refined vegetable oils. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):641-644. Aug. 1966. 384 C422
English summary.
- 1933 PAUL, A. B. Pricing below cost in the soybean processing industry. *J. Farm Econ.* 48(3,pt.2):2-22. Ref. Aug. 1966. 280.8 J822

- 1934 PETRUCCIOLI, G. Physical and chemical characteristics of Umbrian virgin olive oils. (It) *Olearia* 20(1/2):24-29. Ref. Jan./Feb. 1966. 307.8 OL2
English summary, p.4.
- 1935 PEYRON, L. Little-known essential oils used in perfumery. (Fr) *Riv. Ital. Essenze—Profumi—Plante Offic.—Aromi—Saponi—Cosmet.—Aerosol* 48(6):369-380. June 1966. 306.8 R52
English summary.
- 1936 PURCELL, J. M., MORRIS, S. G., and SUSI, H. Proton magnetic resonance spectra of unsaturated fatty acids. *Anal. Chem.* 38(4):588-592. Ref. Apr. 1966. 381 J825A
- 1937 QUEENSLAND, PEANUT MARKETING BOARD. Forty-first annual crop report covering the 1964 season pools, to be presented to a general meeting of growers to be held in the Wooroolin Memorial Hall on Monday, 26th September, 1966, commencing at 8 p.m. n.p., 1966. 4 p. 280.3779 Q3
- 1938 RAO, P. R., VENKATARATNAM, R. V., and SIDHU, G. S. (-) trans-isopentyl alcohol from Hyderabad gingergrass oil. *Perfumery Essent. Oil Rec.* 57(9):554-556. Sept. 1966. 306.8 Am3
- 1939 RICHARDS, N. H. Report of the National Institute of Oilseed Products. *Int. Ass. Seed Crushers. Congr.* 1966:15-16. 307.9 In8
- 1940 SAKAGUCHI, Y. Report from Japan. *Int. Ass. Seed Crushers. Congr.* 1966:49-52. 307.9 In8
Oilseed processing and consumption of edible oils.
Includes discussion.
- 1941 SANTOS, S. R. DOS, and others. A new Brazillian essential oil from *Baccharis dracunculifolia*. *Riv. Ital. Essenze—Profumi—Plante Offic.—Aromi—Saponi—Cosmet.—Aerosol* 48 (7):428-429. July 1966. 308.8 R52
T. R. M. Mollan, A. J. D. Pinto, C. C. Brilao, M. R. Donalizio, and C. J. de Souza, joint authors.
- 1942 SCHEMANN, G., and SCHNEIDER, W. Epoxidations with peracetic acid. I. The peracetic acid and related epoxidations of soybean oil. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):603-609. Ref. Aug. 1966. 384 C422
English summary.
- 1943 SCHOLLNER, R., and HERZSCHUH, R. Auto-oxidation of unsaturated fatty acid esters in presence of methanol and protons. II. The auto-oxidation of methyl linoleate. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):616-622. Ref. Aug. 1966. 384 C422
English summary.
- 1944 SEHER, A. Cooperative activities of the DGF [German Society for Fat Science]. 50. Revision of the "Unified methods of analysis for the fats and wax industry." XXXVI. Analysis of fat-accompanying substances. (Ge) *Fette, Seifen, Anstrichmittel* 68(8):595-600. Aug. 1966. 384 C422
- 1945 SISIDO, K., and others. Fragrant flower constituents of *Osmanthus fragrans*. *Perfumery Essent. Oil Rec.* 57(9):557-560. Sept. 1966. 306.8 P41
S. Kurozumi, K. Utimoto, and T. Isida, joint authors.
Essential oil.
- 1946 STELLA, C. Production of good quality refined olive oils. (It) *Olearia* 20(1/2):18-23. Ref. Jan./Feb. 1966. 307.8 OL2
English summary, p.4.
- 1947 STOPFORTH, J. Statement on behalf of the Food and Agriculture Organization. *Int. Ass. Seed Crushers. Congr.* 1966:38-41. 307.9 In8
Fats and oils situation and outlook.
- 1949 TAPONECO, G. Preliminary investigations on the presence of elaidinic acid in highly oxidized olive oils and variations during the various processes of decoloration, decodorization and after irradiation with ultraviolet light. (It) *Riv. Ital. Sostanze Grasse* 43(8):357-360. Aug. 1966. 307.8 OL3
English summary.
- 1949 TOLLENAAR, F. D. The influence of industrial and household handling on fats seen from the chemical point of view. *Utrecht. Cent. Inst. Voedingsonderz. Publ.* B306:106-109. 1965. 389.9 U17
- 1950 VANASPATI MANUFACTURERS' ASSOCIATION OF INDIA. Annual report for 1965. Bombay, 1966. 23 p. 307.9 V26
- 1951 WEIGEL, K. Oil-containing paints. (Ge) *Seifen-Ole-Fette-Wachse* 92(19):634-636. (Cont.) Sept. 1, 1966. 307.8 Se4
- 1952 YAPI VE KREDİ BANKASI. Turkish oil-bearing seeds, January 1966. *Yapi Kredi Bankasi A. S. Market Stud.* 4,95 p. Ref. 1966. 280.39 Y1M
Industry.
- 1953 YERMANOS, D. M. Variability in seed oil composition of 43 *Linum* species. *Amer. Oil Chem. Soc. J.* 43(9):546-549. Sept. 1966. 307.8 J32

POULTRY AND POULTRY PRODUCTS

- 1954 BANKS, E. L., and MAULDON, R. G. Effects of pricing decisions of a statutory marketing board. *Australian J. Agr. Econ.* 10(1):1-13. June 1966. 281.8 Au74
Econometric analysis of Western Australia Egg Board decisions.
- 1955 BEARSE, G. E. Pesticide residues and poultry products: U.S.A. legislation and pertinent research. *World's Poultry Sci. J.* 22(3):194-206. Ref. July/Sept. 1966. 47.8 W89
- 1956 BELE, L. M., and others. Evaluation of objective methods of measuring differences in texture of freeze-dried chicken meat. *J. Food Sci.* 31(5):791-800. Ref. Sept./Oct. 1966. 389.8 F7322
H. H. Palmer, A. A. Klose, and T. F. Irmiter, joint authors.
- 1957 BELITZ, H. D. Egg yolk proteins and their fission products. VI. (Ge) *Z. Lebensmittel-Untersuchung—Forsch.* 130(3):152-157. Ref. 1966. 384 Z39
- 1958 BEN-ADAM, Z. Trends in the poultry industry. *Agr. Israel* 11(3):47. Dec. 1965. 22.5 Ag825
- 1959 BRETH, F. E. Soviets move "North" with poultry enterprises. *Poultry Internat.* 5(6):64-65, map. Nov./Dec. 1966. 47.8 P8698
- 1960 BUDNY, J., KWIATKIEWICZ, M., and RUT-KOWSKI, A. Presence of egg yolk fat and quality of the albumin crystals in chicken eggs. (Pol) *Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Bul. Inform.* 8(1):30-33. Mar. 1966. 47.9 P87
German summary.
Effects on egg whites.
- 1961 BULLING, E., and PIETZSCH, O. Report on the diagnosis of *Salmonella*. II. *Salmonella* enrichment and differentiating culture mediums for food examination. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(13):246-251. Ref. July 1, 1966. 41.8 B45
English summary.
Poultry meat.
- 1962 DARRAH, L. B. Marketing of poultry and eggs. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p.766-781. Ref. 1966. SF61.C6
- 1963 FORD, H. E. Processor view: what it will take to get prepackaging in orbit! *Broiler Indus.* 29(9):30,32-33,35,38. Sept. 1966. 47.8 N45
Of poultry meat.
- 1964 GERMS, A. C. Applied enzymes in the manufacture of egg products. (Du) *Conserva* 15(2):41-45. Ref. Aug. 1966. 389.8 C7632
French summary.
- 1965 HAMDY, M. K., and BARTON, N. D. Microbiology of poultry bruises. *Ga. Agr. Res.* 7(4) 3-4. Spring 1966. 100 G295
- 1966 HAMRE, M., and MIKESH, V. Know the eggs you buy. *Minn. Univ. Ext. Ext. Folder* 174, rev., 6 p. May 1966. 275.29 M66Ex

- 1967 JABAT, J. V. Poultrymen find ready market for products. *Poultry Internat.* 5(6):44,46. Nov./Dec.1966. 47.8 P8698
Vietnam.
- 1968 JASPER, W. The evaluation of the heat removal during the partial immersion freezing of poultry. (Ge) *Kaltetechnik* 18(8):294-297. Aug.1966. 295.8 K123
English summary.
- 1969 JORDAN, H. C. Some guidelines in charting a course for a changing poultry industry. *Everybody's Poultry Mag.* 71(1):22. Jan.1966. 47.8 F213P
- 1970 KATZ, M. A., DUGAN, L. R., and DAWSON, L. E. Fatty acids in neutral lipids and phospholipids from chicken tissues. *J. Food Sci.* 31(5):717-720. Ref. Sept./Oct.1966. 389.8 F7322
- 1971 KLENOV, V. A., and FEDOTOV, B. N. Spectrophotometric determination of polychloroprene in the tissue of livestock. (Rus) *Khim. Sel'skom Khoz.* 4(4):53-55. Apr.1966. 385 K524
Poultry and rabbits.
- 1972 KNOTT, E. M. Homemakers' opinions about and preferences for broiler-fryers and turkeys. U. S. D. A. Marketing Res. Rep. 760,137 p. July 1966. 1 Ag84Mr
- 1973 MCCLUSKEY, W. H. Despite plenty of chickens, Nigerian diets lack protein. *Poultry Internat.* 5(6):30. Nov./Dec.1966. 47.8 P8698
Industry.
- 1974 MICEK, J. Increasing cooperation to intensify and industrialize poultry production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:22-30. Aug.29, 1966. (JPRS 37,287; TT 66-33716)
173 J663Ste
In the U.S.S.R. bloc.
Translation from *Mezinarodni Zemedelsky Casopis* 2:14-17. 1966.
Issued by CFSTI.
- 1975 MILLER, H. Poultry Division launches safety program. *Agr. Marketing* [Washington], Sept. 1966:11. A280.38 Ag8
Hazards to inspectors and graders in Consumer and Marketing Service.
- 1976 MOUNTNEY, G. J. Poultry products technology. Westport, AVI Publishing Company, 1966. 264 p. Ref. TX612.P74M6
- 1977 NEBRASKA POULTRY IMPROVEMENT ASSOCIATION. Poultry statistics & directory—1966 yearbook. Lincoln, 1966. 100 p.,map. 47.9 N272
- 1978 PEQUERO, F. Poultry raising in the Dominican Republic. (Sp) *Agricultura* [Santo Domingo] 430:5,25. Mar.1966. 8 R323
- 1979 ROY, E. P. Effective competition and changing patterns in marketing broiler chickens. *J. Farm Econ.* 48(3,pt.2):188-201. Aug.1966. 280.8 J822
- 1980 RYAN, J. P. Liquid nitrogen freezing of poultry products. II. Quick Frozen Foods 29(1):45. Aug.1966. 389.8 Q4
- 1981 SADLER, W. W., and others. Relative prevalence of bacterial agents and histopathology in passed and condemned poultry carcasses and livers. *J. Food Sci.* 31(5):773-780. Sept./Oct. 1966. 389.8 F7322
R. E. Corstvet, H. E. Adler, and R. Yamamoto, joint authors.
- 1982 SCHARPF, L. G., MARION, W. W., and FORSYTHE, R. H. Post-rigor changes in selected physicochemical properties of myosin B fraction of turkey muscle. *J. Food Sci.* 31(5):680-685. Ref. Sept./Oct.1966. 389.8 F7322
Turkey meat.
- 1983 SCHURMANN, E. Meat inspection of chicken—critically examined; systematic opinion to the proposed guidelines of the European Economic Community and some suggestions. (Ge) *Deut. Tierarztl. Wochenschr.* 73(13):305-311. Ref. July 1,1966. 41.8 D482
English summary.
- 1984 SHEPPARD, C. C., and LARZELERE, H. E. Eggs and poultry; project '80, rural Michigan now and in 1980. *Mich. Agr. Exp. Sta. Res. Rep.* 51,10 p. June 1966. 284.9 M58
Published jointly with Michigan State University, Cooperative Extension Service.
Poultry and turkey meat industry.
- 1985 SPIEGEL, L. S. Few cents' worth of flavor can ruin (or make!) batch. *Broiler Indus.* 29(9):64,66. (Cont.) Sept.1966. 47.8 N45
Of poultry meat products.
- 1986 STADELMAN, W. J. Eggs and poultry meats. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.100-116. 1966. SF61.C6
Industry.
- 1987 STEMBERGER, A. P. Are you selling grade A's and B's? *Everybody's Poultry Mag.* 71(1):25. Jan.1966. 47.8 F213P
Eggs.
- 1988 SUGIHARA, T. F., IICHI, K., and KLINE, L. Heat pasteurization of liquid whole egg. *Food Technol.* 20(8):100-107. Ref. Aug.1966. 389.8 F7398
- 1989 SVENSKA AGGHADELSEFORBUNDET. Arsedovisning [Annual report of the Swedish Egg Marketing Association], 1964. Landskrona, 1965. 26 p. 286.3479 Sv2
- 1990 TOBEY, J. S. What's ahead for the Northeast poultry industry? *Everybody's Poultry Mag.* 71(1):12,31. Jan.1966. 47.8 F213P
- 1991 U. S. CONSUMER AND MARKETING SERV. How to buy eggs by USDA grades and weight classes. U. S. D. A. Leaflet 442,rev.8 p.-folder. Aug.1966. 1 Ag84L
- 1992 U. S. CONSUMER AND MARKETING SERV. Poultry market statistics, 1965; annual summary of market statistics. U. S. D. A. Statist. Bull. 370.64 p. Mar.1966. 1 Ag84S
- 1993 U. S. CONSUMER AND MARKETING SERV. USDA poultry inspection; a consumer's safeguard. U. S. D. A. PA-289, slightly rev., 6 p.-folder. Sept.1966. 1 Ag85Pro
- 1994 U. S. CONSUMER AND MARKETING SERV. POULTRY DIV. INSPECTION BR. List of chemical compounds authorized for use under USDA poultry, rabbit and egg products inspection programs. U. S. Consum. Marketing Serv. C MS-SRA-187,rev.,71 p. Mar.1966. 1M34S
- 1995 U. S. NATIONAL COMMISSION ON FOOD MARKETING. Organization and competition in the poultry and egg industries. Nat. Comm. Food Marketing. Tech. Stud. 2,118 p. June 1966. HD9001.A3
- 1996 VINCENT, R., POWRIE, W. D., and FENNEMA, O. Surface activity of yolk, plasma and dispersions of yolk fractions. *J. Food Sci.* 31(5):643-648. Ref. Sept./Oct.1966. 389.8 F7322
- 1997 WCISLO, H., and GRABOWSKI, T. Processing of poultry meat. (Pol) *Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform.* 8(1):34-42. Ref. Mar.1966. 47.9 P87
- 1998 WOS, Z. Effect of processing on the bacterial contamination and keeping quality of ducks stored at temperature 2—3° C. (Pol) *Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform.* 8(1):19-29. Ref. Mar. 1966. 47.9 P87
English summary.

RUBBER AND RUBBER SUBSTITUTES

- 1999 CIANETTI, E., and PECCI, G. Thermal analysis in the study of elastomers. (It) *Rass. Chim.* 18(2):60-69. Ref. Mar./Apr.1966. 385 R18
- 2000 DUBOIS, J. E. Elastomers in the space field. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(7/8):947-948. July/Aug.1966. 305.8 R32
- 2001 GROSCH, K. A., SWIFT, P. M., and WHEELANS, M. A. Oil-extended natural rubber, its compounding and service testing. *Rubber J.* 148(9):76-81. Sept.1966. 305.8 In21

- 2002 HON, L. S. The place of Malaysian natural rubber in the world rubber economy. *Planting Com.* 14(2):9-12. June 23, 1966. 22 P697
- 2003 HURET, M. Elastomers and supersonic plains. (Fr) *Rev. Gen. Caoutchouc Plast.* 43 (7/8):949-954. July/Aug. 1966. 305.8 R32 English summary.
- 2004 KANAVAL, G. A., KOONS, P. A., and LAUËR, R. E. Fungus resistance of millable urethanes. *Rubber World* 154(5):80-81, 83, 85, 87. Aug. 1966. 305.8 In2
- 2005 KOHN, S. Elastomers and spacecraft. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(7/8):957-967. Ref. July/Aug. 1966. 305.8 R32 English summary. Includes discussion.
- 2006 SCHEELLE, W. Various types of sulfur binding in rubber during the vulcanization process. (Ge) *Kolloid-Z. Z. Polymere* 211(1/2):63-76. Ref. July/Aug. 1966. 384 Z315 Includes discussion.
- 2007 THOMAS, A. G. Durability—strength. *Rubber India* 18(6):11-14. June 1966. 305.8 R829 Properties; includes tests.
- 2008 THOMAS, D. K. Rubbers for high temperature use. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(7/8):1001-1006. July/Aug. 1966. 305.8 R32 English summary.
- 2009 WESTLINNING, H. On the reciprocal action of rubber with finely divided substances. (Ge) *Kolloid-Z. Z. Polymere* 211(1/2):76-84. Ref. July/Aug. 1966. 384 Z315 Includes discussion.
- 2010 WHITE, D. W., and GROVER, G. H. The application of mineral process oils in the rubber industry. *Rubber India* 18(3):11-14, 20-23. Mar. 1966. 305.8 R829
- 2011 WHITTLE, K. J., DUNPHY, P. J., and PEN-NOCK, J. F. The isolation and properties of delta-tocotrienol from Hevea latex. *Biochem. J.* 100(1):138-145. July 1966. 382 B52

SEEDS

- 2012 GERM, H. Quality problems for seed. (Ge) *Forderungsdienst* 14(2):43-48. Feb. 1966. 19 F75 Regulation in Austria.
- 2013 INDIANA CROP IMPROVEMENT ASSOCIATION. SEED CERTIFICATION SERV. 1966 summer Indiana certified seed, wheat, barley, winter oats and rye, directory. Lafayette, 1966. 23 p. 225 In2272
- 2014 KOPPIKAR, G. R. Cotton seed procurement in Vidarbha Region. *Indian J. Agron.* 10(4):440-442. Dec. 1965. 22 In235
- 2015 OHIO SEED IMPROVEMENT ASSOCIATION. Ohio certified seeds: 1967 directory. Columbus, 1966. 57 p. 225 Oh32D
- 2016 SVERIGES UTSÄDESFORENING. Annual report of the Swedish Seed Association. (Sw) *Sveriges Utsädesforen. Tidskr.* 76(2/3):89-164. 1966. 61.9 Sv23
- 2017 WIENTJES, J. F. Views on Dutch seed and seedling production in the coming year. (Du) *Zaadbelangen* 20(4):72, 74-75. Feb. 28, 1966. 61.8 Z1 Regulation and prices.

SUGAR AND SIRUPS

- 2018 BARNES, W. J. G. Price for cane will remain relatively low. *S. Afr. Sugar J.* 50(6):529, 531. June 1966. 65.8 So8
- 2019 BINKLEY, W. The chromatographic analysis of cane final molasses. (Ge) *Z. Zuckerindus.* 16(4):195-196. Ref. Apr. 20, 1966. 65.8 D48 English summary.
- 2020 CHERNOVALYUKH, A. P. Producing sugar juice from the sugarcane. (Rus) *Sakharn. Prom.* 9:27-28. Sept. 1966. 65.8 Sa2
- 2021 CHOWDHURY, A. T. M. S. I. Aspects of sugar industry in East Pakistan. *Com. Indus.* 16(6):33-37. Aug. 1966. 286.8 C734
- 2022 DELAVIER, H. J., and KROCHER, R. Determination of the water content of crystal sugar by means of the DDS slope angle measuring instrument. (Ge) *Z. Zuckerindus.* 16(3):134-136. Mar. 20, 1966. 65.8 D48 English summary.
- 2023 DOBRZYCKI, J. Research on automation of technological processes carried out by the Chair of Sugar Technology of the Technical University of Lodz [Lodz, Politechnika, Katedra Cukrownictwa]. (Pol) *Gaz. Cukrownicza* 73(9):207-209. Ref. Sept. 1965. 66.8 G25
- 2024 FARINHA, M. A. F. P. Contributions to the study of Angola molasses. (Por) *Agron. Angola* 18:25-35. 1963, pub. 1965. 24 Ag63 English summary. Industry.
- 2025 FISHER, E. Inversion of sucrose—causes and effects. *Sugar News [Manila]* 42(6):303-306, 308, 310. June 1966. 65.8 Su36
- 2026 GOLOVNYAK, YU. D. Investigation of processes of continuous boiling of massecuite in order to build a boiler. (Pol) *Gaz. Cukrownicza* 73(9):205-206. Sept. 1965. 66.8 G25 In USSR.
- 2027 GUSEV, E. A., and ZELIKMAN, I. F. Sugar manufacturing and refining in 1965. (Rus) *Sakharn. Prom.* 9:5-10. Sept. 1966. 65.8 Sa2
- 2028 HANGVAL, K. Changes in technological properties of sugar beet during storage. (Hu) *Cukoripar* 19(4):139-142. (Concl.) July/Aug. 1966. 65.8 C89 German summary.
- 2029 JENKINS, G. H. Introduction to cane sugar technology. Amsterdam, Elsevier Publishing Company, 1966. 478 p. Ref. TP377.4
- 2030 KLAUSHOFFER, H., and PARKKINEN, E. The significance of aerobic and anaerobic thermophilic spore-forming organisms as causative factors of infection in beet sugar factories. III. The extent of the losses of sucrose caused in sugar factory juices by aerobic and anaerobic sporeforming organisms. (Ge) *Z. Zuckerindus.* 16(3):125-130. Mar. 20, 1966. 65.8 D48 English summary.
- 2031 KORBONITS, A. The effect of changes in sugar content on the national economic value of sugar beet. (Hu) *Cukoripar* 19(4):120-123. July/Aug. 1966. 65.8 C89 German summary. Processing and storage losses.
- 2032 LEFFINGWELL, R. J. Marketing Hawaiian sugar and molasses. *Sugar Azucar* 61(9):54-55. Sept. 1966. 65.8 F11 Text also in Spanish, p. 104, 116.
- 2033 MANTOVANI, G., and FAGIOLI, F. Solubility and crystallization rate of sucrose in the presence of inorganic salts. (It) *Indus. Sac. Ital.* 59(1/2):16-21. Ref. Jan./Feb. 1966. 65.8 In23 English summary.
- 2034 MARVIN, J. W. New maple lab honors pioneer scientist. *Vt. Farm Home Sci.* 9(1):18. Summer 1966. 100 V93 Charles Howland Jones Maple Research Laboratory at the University of Vermont.
- 2035 MATHUR, R. B. L. Sugar technology: Factors contributing to the figures of increased "total" losses and increased "undetermined" losses and steps suggested for keeping these low. *Indian Sugar [Calcutta]* 16(1):27-30. Apr. 1966. 65.8 In26 Chiefly sugarcane processing.
- 2036 NOVIKOV, V. A., KICHIGIN, N. M., and KHUSID, N. I. Different types of piling equipment. (Rus) *Sakharn. Prom.* 9:29-34. Sept. 1966. 65.8 Sa2
- 2037 PARATELLA, A. Exhaustion curve of an ionic exchanger; calculation and experimental verification. (It) *Indus. Sac. Ital.* 59(3/4):71-81. Ref. Mar./Apr. 1966. 65.8 In23 English summary.
- 2038 PASETTI, A. Molasses: factors determining its yields and purity, and criteria for verification of the degree of exhaustion. (It) *Indus. Sac. Ital.* 58(5/6):160-165. Ref. May/June 1965. 65.8 In23 English summary.

- 2039 PERK, C. G. M. Reducing the retention time of the juice at high temperatures. S. Afr. Sugar J. 50(6):565,567,569. June 1966. 65.8 So8
With pressure evaporators.
- 2040 PERK, C. G. M. Remelting of sugars. S. Afr. Sugar J. 50(6):563. June 1966. 65.8 So8
- 2041 PITTALUGA, F. On processing massecuites of low productivity. (It) Indus. Sac. Ital. 58 (11/12):348-357. Ref. Nov./Dec.1965. 65.8 In23
English summary.
- 2042 PREY, V. Coloring matters and their formation during sugar manufacture. (It) Indus. Sac. Ital. 59(3/4):55-70. Mar./Apr.1966. 65.8 In23
English summary.
- 2043 RASHKOVAN, G. A., and GERZHOI, N. B. Automatic line for pressing, drying, splitting and packing of sugar. (Rus) Sakhar. Prom. 9:34-36. Sept.1966. 65.8 Sa2
- 2044 RUNGE, SIR P. The implications of agricultural planning. S. Afr. Sugar J. 50(6):539,541, 543. June 1966. 65.8 So8
With reference to the International Sugar Agreement.
- 2045 SILIN, P. M. Return of the beet pulp water into diffuse apparatus of continuous action. (Rus) Sakhar. Prom. 9:22-24. Sept.1966. 65.8 Sa2
- 2046 SILINA, N. P. Molasses coefficient of separated nonsugar substances. (Rus) Sakhar. Prom. 9:15-18. Sept.1966. 65.8 Sa2
- 2047 SOMORJAI, K. The tasks of sugar industry within the frame of economic mechanism reform plan. (Hu) Cukoripar 19(4):117-119. July/Aug.1966. 65.8 C89
- 2048 VORONA, L. G., KARTASHOV, A. K., and PUSTOKHOD, G. P. Spectrophotometric investigation of coloring substances absorbed by activated carbon. (Rus) Sakhar. Prom. 9:19-21. Sept.1966. 65.8 Sa2
- 2049 WALLENSTEIN, H. D., and KAGELMANN, G. Control of mass alteration during storage of sugar beets by way of determination of their unchangeable constituents, especially of their potassium content. (Ge) Z. Zuckerindus. 16 (4):189-194. Apr.20,1966. 65.8 D48
English summary.
- 2050 WEBER, E. E., and others. The relationship between meteorological factors and yield characteristics in sugar beet. (Ge) Z. Acker-Pflanzenbau 124(2):154-164. Ref. July 1966. 18 J825
K. H. Barocka, W. Haufe, and W. Oltmann, joint authors.
English summary.
Statistical correlations.
- 2051 WIRTSCHAFTLICHE VEREINIGUNG ZUCKER. Jahresbericht für das Wirtschaftsjahr 1964/65 [Annual report for the fiscal year 1964/65]. Bonn, 1965. 231 p. 286.3659 W74
- 2052 ZAGRODZKI, S., and ZAORSKA, H. Effects of decolorization of juices and syrups on the speed of sucrose crystallization in impure solutions. (It) Indus. Sac. Ital. 58(11/12):315-323. Ref. Nov./Dec.1965. 65.8 In23
English summary.
- 2053 ZAORSKA, H. Methods of decolorization of sugar syrups with activated carbon. (It) Indus. Sac. Ital. 58(11/12):324-347. Ref. Nov./Dec.1965. 65.8 In23
English summary.
- 2054 ZHUKOVSKI, F. G. Sorter for waste obtained by washing sugar beets. (Rus) Sakhar. Prom. 9:38-41. Sept.1966. 65.8 Sa2
- 2056 ARSENYAN, E., and others. Effect of fermentation level of first class Virginia tobacco on its technological and smoking properties. (Bu) Bulgarski Tyutyun 3:26-30. 1965. 69.8 B872
E. Yazudzhyan, T. Tinchev, and K. Paskaleva-Tomova, joint authors.
- 2057 ATANASOV, D., GRUNCHAROV, KH., and STOILOV, S. Tobacco production in Plovdiv Region. (Bu) Bulg. Tyutyun 5:21-24. 1965. 69.8 B872
- 2059 CANADA. BUR. OF STATISTICS. Leaf tobacco acreage, production and value, 1965 (crop year ending September 30, 1965). Ottawa, 1966. 4 p. 253 S2T7
- 2059 DOCHEV, KH. Tobacco industry of Lovesh Region. (Bu) Bulg. Tyutyun 6:23-25. 1965. 69.8 B872
- 2060 FATEJEV, N. Mechanization of preliminary processing of tobacco. (Se) Poljoprivredni Pregl. 14(11/12):491-493. Nov./Dec.1965. 21.5 P753
- 2061 GHIGORESCU, I. Quality of tobacco related to some processes of cellular metabolism. (Rum) Indus. Aliment. 16(10):539-543. Ref. Oct.1965. 389.8 In26
English summary, p.2 of supplement.
- 2062 GYZULEV, L., and others. Rukovodstvo za proizvodstven i laboratoren kontrol na tyutyuna i tyutyunevite izdeliya [Handbook for the processing and laboratory control of tobacco and the tobacco products]. Sofiya, Tekhnika, 1965. 298 p. Ref. TS2240.R8
Ts. Boyadzhiev, E. Dedova, and P. Dimitrov, joint authors.
- 2063 MCLURE, D. Trends in Oriental tobacco production at Serenje. Farming Zambia 2(1):25-26. Oct.1966. S19.F3
- 2064 MCMURTY, G. Price supports: what's ahead? Flue Cured Tobacco Farmer 2(9):12-13. Nov. 1965. SB2173.A1F58
- 2065 MIKHAILOV, S. Some data on tobacco industry of Greece. (Bu) Bulgarski Tyutyun 3:42-45. 1965. 69.8 B872
- 2066 MOLINARI, E. Austria and the science of tobacco. 6 p. Transl. 16080
History.
Translation from Revue Internationale des Tabacs 25:196. Nov.1950.
- 2067 MULLER, H. F., and OYERBECK, W. Knowledge of annual plants. 19 p. Transl. 16082
Analysis and composition of tobacco and sunflowers.
Translation from Berichte 75(7):909-920. 1942.
- 2069 NACHEV, N. Tobacco production in Nigeria. (Bu) Bulgarski Tyutyun 4:44-46. 1965. 69.8 B872
- 2069 NANKOV, I. G. Reminiscence on Father Sava Popov. (Bu) Bulg. Tyutyun 6:39-42. 1965. 69.8 B872
Founder of tobacco cooperative movement.
- 2070 PANITSIDIS, G. Tobacco industry of Greece. (Bu) Bulg. Tyutyun 6:42-45. 1965. 69.8 B872
- 2071 PANOVA, T. Tobacco production in Targovishte Region. (Bu) Bulg. Tyutyun 11:12-14. 1965. 69.8 B872
- 2072 PORCSALMY, I. The transformation of tannin (polyphenol) during drying and fermentation. 9 p. Transl. 16118
Translation from Revue Internationale des Tabacs 28:223-225. 1953.
- 2073 RUSKOV, D. Success in tobacco production in Blagovgrad Region. (Bu) Bulg. Tyutyun 8:5-11. 1965. 69.8 B872
- 2074 SHABANOV, D. Tobacco industry in Poland. (Bu) Bulgarski Tyutyun 2:38-41. 1965. 69.8 B872
- 2075 SILBERMAN, H. C. The action of commercial cellulase preparations on alkaloids in tobacco. Tobacco [New York] 163(13):29-32. Ref. Sept.23,1966. 286.89 T552
Treatment of the cured tobacco.
- 2076 SWAIN, A. P., PETERSON, R. F., and STEDMAN, R. L. Composition studies on tobacco. XXI. The headspace vapours of leaf. J. Sci. Food Agr. 17(6):349-353. Ref. Aug.1966. 392 So12

TOBACCO

- 2077 UNIONE TABACCHICOLTORI ITALIANI. Importance and problems of tobacco culture. (It) Agr. Italia 12(4):35-36,38-39,41-42,44-45. Apr.1966. 16 Ag8232
- 2078 U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Light air-cured tobacco market review, 1965 crop (1966 season), II. Type 32-Maryland. Washington, 1966. 16 p.,map. (Its TOB-LA-10) 1.9 Ec714T
- 2079 VARTANYAN, A. Some problems of tobacco industry of Armenian SSR. (Bu) Bulgarski Tyutyun 2:42-45. 1965. 69.8 B872
- MISCELLANEOUS PRODUCTS**
- 2080 ANDERSON, A. W. A survey of the status of Clostridium botulinum research. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:217-222. Ref. 1965. TX611.5.R3
In fish.
- 2081 BERNINGER, L. M. Ban the four inch geranium. Florists' Rev. 138(3588):17,58-59. Sept.1,1966. 80 W41
- 2082 BROWN, D. C. Liquid nitrogen freezing in the shrimp industry. Quick Frozen Foods 29(1):111-112,142-143. Aug.1966. 389.8 Q4
- 2083 BURGESS, G. H. O. Fish processing problems. Inst. Weights Meas. Admin. Mon. Rev. 74(8):183-186. Aug.1966. 212.9 In2
- 2084 CAIN, J. L. Wholesale seafood marketing in Baltimore, Maryland. Md. Univ. Ext. Agr. Econ. Inform. Ser. 32,13 p.,map. June 1966. 275.29 M36Agr
- 2085 DASSOW, J. A., and MIYAUCHI, D. T. Radiation preservation of fish and shellfish of the Northeast Pacific and Gulf of Mexico. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:53-68. Ref. 1965. TX611.5.R3
- 2086 DAVIDSON, H., and others. The nursery industry and floriculture; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 43,11 p. June 1966. 284.9 M58
C. E. Lewis, R. A. Mecklenburg, P. R. Krone, R. Lindstrom, T. Fossum, J. C. Krone, and H. Hutchings, joint authors.
Published jointly with Michigan State University, Cooperative Extension Service.
- 2087 ELLEGAARD, J. Proteins and protein denaturation. (Da) Konserver Dybfrost 24(7):76-84. Ref. 1966. 389.8 K835
Chiefly in connection with freezing and refrigeration of fish.
- 2088 FARRAR, W. V. Tecuitlatl; a glimpse of Aztec food technology. Nature [London] 211(5047):341-342. Ref. July 23,1966. 472 N21
Algae as food.
- 2089 HAUN, J. R., CLARK, T. F., and WHITE, A. Fiber and papermaking characteristics of bamboo. U. S. D. A. Tech. Bull. 1361,19 p. Ref. Aug.1966. 1 Ag84Te
- 2090 HOUWING, H. Technological aspects of manufacture of mussel marinades. (Da) Conserva 15(3):65-67. Sept.1966. 389.8 C7632
French summary.
- 2091 JARVESOO, E. Commercial Gladiolus production and our cut flower market. Gladiolus 41:168-178. 1966. 96.43 N44
- 2092 JENSEN, A. The Norwegian Institute of Seaweed Research [Norsk Institutt for Tang- og Tareforskning]. (No) Svensk Kem. Tidskr. 78(8):393-403. 1966. 385 Sv22
English summary.
- 2093 KEMPE, L. L. The potential problems of type-E botulism in radiation-preserved seafoods. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:211-215. Ref. 1965. TX611.5.R3
- 2094 MACLAREN, G. Small ads, big results. Florists' Rev. 139(3594):27,55-58. Oct.13,1966. 80 W41
Ornamental plants.
- 2095 MELGAR ARNAIZ, F. Feed for snails of the genus Helix; chemical composition. (Sp) Madrid. Inst. Invest. Vet. An. 14/15:105-107. 1964-65. 41.9 M262
For human nutrition.
- 2096 NICHOLS, R., and TOPPING, A. Absorption of ethylene by self-indicating soda-lime. Nature [London] 211(5045):217. July 9,1966. 472 N21
Cut flowers.
- 2097 REBL, A. Beginning of the hops season 1966/67. (Ge) Brauwelt 106(72):1283-1285. Sept.9,1966. 390.8 B732
Production and market regulation.
- 2098 RONSIVALLI, L. J., STEINBERG, M. A., and SEAGRAN, H. L. Radiation preservation of fish of the Northwest Atlantic and the Great Lakes. Int. Conf. Radiat. Preserv. Foods. Proc. 1964:69-80. Ref. 1965. TX611.5.R3
- 2099 VENT, L., and VANCURA, M. Criteria of the quality of hops. (Cz) Chmelarstvi 38(9):129-131. Sept.5,1965. 70.8 C33
French and German summaries.
Volatile substances.
- 2100 VENT, L. Grading equipment of raw hops increases the value of supplies. (Cz) Chmelarstvi 38(8):120-121. Aug.5,1965. 70.8 C33
- 2101 WECKEL, K. G., and WOSJE, D. Brine salting of Great Lakes chub (Leucichthys hoyi) for smoking. Wis. Agr. Exp. Sta. Res. Rep. 24, 12 p. Ref. July 1966. 100 W75R

ANIMAL INDUSTRY

FEEDS AND FEEDING

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 2102 BONADONNA, T. Environmental factors and season cycles in animal fertility. (It) Zootec. Vet. 21(3/4):52-62. Mar./Apr.1966. 41.8 Z7 English summary.
- 2103 BONADONNA, T. New methods for the dilution and conservation in vitro of semen. (It) Zootec. Vet. 20(9/10):200-223. (Cont.) Sept./Oct. 1965. 41.8 Z7 English summary.
- 2104 BRATANOV, K., ed. Problemi na razmnozhavaneto pri zhivotnite [Problems in reproduction of livestock]. Sofiya, Izdatel'stvo na Bulgarskata Akademiya na Naukite, 1966. 301 p. Ref. SF105.B67
- 2105 CASSARD, D. W. Introduction to modes of inheritance. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.221-241. 1966. SF61.C6 Includes cytology.
- 2106 DEBETAZ, B. Artificial insemination is the grand turning of Swiss agriculture. (Fr) Ann. Agr. 5:53-55,57,59,61-63. 1965/66. 17 An73
- 2107 DUTT, R. H. Reproduction. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.373-392. Ref. 1966. SF61.C6 Includes sex organs.
- 2109 FRASER, A. F. Failure in livestock reproduction. Vet. Rev. 17(3):43-46. Mar.1966. 41.8 V6466 Includes artificial insemination, in Great Britain.
- 2109 LERNER, I. M., and DONALD, H. P. Modern developments in animal breeding. London, Academic Press, 1966. 294 p. SF105.L43 Bibliography, p.271-289. Livestock.
- 2110 MARTIN, I. C. A., and EMMENS, C. W. Artificial insemination of livestock in Australia. Zootec. Vet. 20(7/8):169-180, map. July/Aug. 1965. 41.8 Z7
- 2111 NETHERLANDS, CENTRALE COMMISSIE VAN TOEZICHT OP DE UITVOERING DER KUNSTMATIGE INSEMINATIE. Jaarverslag K.I. [Annual report on artificial insemination], 1965. Utrecht, 1966. 72 p. 43.9 N38 English summary.
- 2112 NORDSKOG, A. W. The evolution of animal breeding practices—commercial and experimental. World's Poultry Sci. J. 22(3):207-216. Ref. July/Sept.1966. 47.8 W69 Livestock and poultry.
- 2113 STONAKER, H. H. Selection and mating systems. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.242-255. 1966. SF61.C6
- 2114 TANDON, H. S., and SEHGAL, D. V. Synthetic media for semen-effect of dilution and preservation of fertility. Gosamvardhana 14(3):16-17. June 1966. 43.8 G69
- 2115 TILREM, H. Livestock breeding before and now. (No) Norsk Landbruk 6:24-25,35. Mar.25,1966. 11 N8122
- 2116 WELLS, M. Artificial insemination of Ethiopia livestock. Imp. Ethiopian Coll. Agr. Mech. Arts Exp. Sta. Bull. 34,30 p. Jan.1965. 107 Et3
- 2117 ZUK, B. A simplified method of calculating the relationship of breeding animal populations. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootec. 12:15-23. 1964, pub.1965. 49.9 B75 English summary.
- 2118 ZUK, B. A simplified method for calculating the relationship of a population in case when some ancestors are direct relatives. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootec. 13:47-52. 1964, pub.1965. 49.9 B75 English summary.
- 2119 ARKANSAS FORMULA FEED CONFERENCE, FAYETTEVILLE, 1965. Program. n.p., 1965. 78 p. Ref. 389.79 Ar42 Arkansas Feed Manufacturers Association and the Department of Animal Sciences of the University of Arkansas.
- 2120 BABICKA, J., ZALABAK, V., and VESELY, F. Survey of results of the utilization of algae for feed in Czechoslovakia. (Ge) Za Sotsialist. Sel'skokhoz. Nauk. 2:141-162. 1966. 64.8 Z1 English summary.
- 2121 BAINTRNER, K. Utilization of agricultural by-products. (Hu) Magyar Mezogazdasag 21(37):16-17. Sept.14,1966. 19 M27 Waste silage for livestock.
- 2122 BENTLEY, O. G. General nutritional considerations. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.487-502. Ref. 1966. SF61.C6
- 2123 BERGAMI, G. The importance of antibiotics in the composition of feeds and their harmlessness in regard to human nutrition. (It) Agricoltura 15(2):44-48. Feb.1966. 16 Ag8226
- 2124 BERRY, B. Carcass value as affected by nutritional factors. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:31-33. 1965. 49.9 W27
- 2125 BLANCO, M. M., and others. Comparative experiences on silages. II. (Sp) Arch. Zootec. 15(57):52-65. Ref. Jan./Mar.1966. 49 Ar22 E. P. Lucena, A. G. G. Castro, and A. G. Arroyo, joint authors. English summary. Analysis.
- 2126 BOHMAN, V. R. Estimation of nutritional values of feeds. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.503-514. 1966. SF61.C6 Includes digestibility.
- 2127 BORDEIANU, C. New feeds for Rumanian animal husbandry. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 473:13-14. Sept.9,1966. JPRS 37,506; TT 66-33934) 173 J663Stc Translation from Scinteia 35(7053):1,3. July 27,1966. Issued by CFSTI.
- 2128 BORGIOI, E. Marine and cultivated algae: chemical and nutritive characteristics and their use in animal nutrition. (It) Aliment. Anim. 10(8/9):371-380. Ref. Aug./Sept.1966. 389.78 AL4
- 2129 CHERMYKH, N. I., POPOVTSEVA, A. A., and ROSHCHEVSKII, M. P. Use of chemical method with application of chromic acid as oxidation factor to determine calories in feed. (Rus) Khim. Sel'sk. Khoz. 4(4):67-70. Ref. Apr. 1966. 385 K524
- 2130 CHIL, L. Importance of sweet water in the nutrition of animals. (It) Inform. Zootec. 13(4):141-144. Feb.28,1966. 49 In3
- 2131 CLAYTON, W. S. Feeding home-grown beans. Farm Bus. 5(4):35-38. Sept.1966. 281.8 F2284 Nutritive value of broadbeans.
- 2132 CORIO, I. Iodine in livestock nutrition used with caution. (It) Inform. Zootec. 13(10):429-432. May 31,1966. 49 In3
- 2133 CORIO, I. Scientific feeding; economy and production. (It) Inform. Zootec. 13(13):587-589. July 15,1966. 49 In3
- 2134 CUMMINGS, K. R., NOLLER, C. H., and RHYKERD, C. L. The effect of ensiling and the addition of limestone on the nitrate content of corn silage. Ind. Agr. Exp. Sta. Res. Progr. Rep. 262,4 p. July 1966. 100In2Res
- 2135 DANI, A., and others. On the growth factors of distillers' dried solubles. (Ge) Justus Liebig's Ann. Chem. 695:226-229. 1966. 384 An7 A. D. Pozzo, C. Zanini, E. Meneghini, and A. Craveri, joint authors. Used as feed supplement.

- 2136 DIFFIDENTI, G. A. Animal nutrition and human health. (It) Inform. Zootec. 13(1):14-17. Jan.15, 1966, 49 In3
- 2137 DMITROCHENKO, A. P. Problem of proteins in feed production and in feeding livestock. (Rus) Rastitel'n. belki i ix ispol'z. v kormlenii s.-kh. zhivotnykh 1964:3-10. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:8. Aug. 1965. Film S-205
- 2138 DUCHON, F. Problem of the distribution of urea in plants and animals. (Cz) Agrochemia [Bratislava] 6(6):177-180, 1966, 385 Ag88 English summary, p.1 of supplement.
- 2139 DUDKIN, M. S., SHKANTOVA, N. G., and LEMLE, N. A. Chemical reaction during treatment of wheat straw with ammonia. (Rus) Khim. Sel'skom Khoz. 4(4):48-53. Ref. Apr. 1966, 385 K524
- 2140 FEHER, K. Delayed silage preparation means loss of nutrients. (Hu) Magyar Mezogazdasag 21(31):16-17. Aug.3, 1966, 19 M27
- 2141 FREDERIKSEN, J. H., WEIDNER, K., and EGGUM, B. In vitro digestibility trials. Investigation of digestibility of some grasses and protein and mineral content. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting): 461-465. 49.9 D41
- 2142 FROST, D. V. Meeting the challenge for high quality food animal drugs: their present and future role and the scientific and regulatory environment in which they are developed and used. Feedstuffs 38(37):29-30, 34, 36. Sept. 17, 1966, 286.81 F322
- 2143 GREAT BRITAIN, AGRICULTURAL RESEARCH COUNCIL. The nutrient requirements of farm livestock. 2. Ruminants; summaries of estimated requirements. London, 1965. 37 p. 389.79 G792
- 2144 HARTLEY, J. H. More TDN in drier corn silage. Doane's Agr. Rep. 29(26):14-16. Sept. 8, 1966, 281.8 D652
- 2145 JENNINGS, J. B. Feeding, digestion and assimilation in animals. Oxford, Pergamon Press, 1965. 228 p. Ref. (The Commonwealth and International Library. Zoology Division) SF95 J4
- 2146 KARAS, J. Chemical composition and nutritive value of hay and the yield of the meadow irrigated by Ner river sewage waters. (Pol) Roczn. Nauk Roln. 87-B-4:527-544. Ref. 1966, 20.5 R59 English summary.
- 2147 KJELGAARD, W. L., BRATZLER, J. W., and GRAHAM, J. R. Nutritive value of corn silage not improved by extra processing. Sci. Farmer [Penn. Sta.] 13(4):8. Summer 1966. 100 P3618
- 2148 KORSHAKOV, P. N. Effect of cobalt in increasing the nutritive value of yeast-enriched feeds. 3 p. Transl. 15229 Translation from Zhivotnovodstvo 5:61-63. 1953.
- 2149 LAGUTA, A. F. Preservation of carotene in grass meal. (Rus) Zhivotnovodstvo 7:37-39. July 1966, 49 Z6
- 2150 LARSEN, J. B., FREDERIKSEN, J. H., and KIRSGAARD, E. Ensiling trials. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):465-467. 49.9 D41
- 2151 LUKYANTSEV, F. I. Preparing grass silage in trench. (Rus) Zhivotnovodstvo 7:36-37. July 1966, 49 Z6
- 2152 MAKAROVA, K. G. Making silage of peas and pea-oats mixtures. (Rus) Zhivotnovodstvo 7: 28-31. July 1966, 49 Z6
- 2153 MARKO, L. Silage preparation in time and in good quality. (Hu) Magyar Mezogazdasag 21(31):15. Aug.3, 1966, 19 M27
- 2154 MARKS, J. J. Cornage—this feed's called convenient, profitable, Dairy Herd Manage. 2(8): 18, 21. Sept. 1966, SF191.D3 Processed.
- 2155 MEILAKHS, I. I., and SKARIN, P. A. Peculiarities in preparation of mixed silage. (Rus) Zhivotnovodstvo 7:31-34. July 1966, 49 Z6
- 2156 MEREGALLI, A. The use of molasses and HCl solutions, and various antibiotics in the making of alfalfa silage by means of miniature silos. (It) Ann. Sperim. Agr. (n.s.) 18(5/6): 851-864. Ref. 1964, pub. 1966, 16 An76 English summary.
- 2157 MERTZ, E. T., and NELSON, O. E. Opaque-2 maize: a new source of high quality protein. Poultry Livestock Comment 23(1):1-3. Ref. Spring 1966, 47.8 D92
- 2158 MONTICELLO, S. A. The relationship of proper nutrition to parasitism. Southwest. Vet. 19(1):56-58. Ref. Fall 1965, 41.8 So82
- 2159 MULLER, Z. New developments in feed supplements in Czechoslovakia. Za Sotsialist. Sel'skokhoz. Nauk. 2:115-139. Ref. 1966, 64.8 Z1
- 2160 NAIK, A. H. Mineral status of grasses and soils of part of Mbulu District of Tanzania in relation to animal health. East Afr. Agr. Forest. J. 31(2):175-182, map. Ref. Oct. 1965, 24 Ea74
- 2161 PAYNE, W. J. A. Nutrition of ruminants in the Tropics. Nutr. Abs. Rev. 36(3):853-870. Ref. 667-870. July 1966, 389.8 N95 Review of the literature.
- 2162 PICCIONI, M. Utility and limits in the use of whey. (It) Inform. Zootec. 13(3):95-98. Feb. 15, 1966, 49 In3 As feed.
- 2163 PORTER, J. E. The salmonella problem. III. Vet. 8(4):25-26, 28. Ref. Fall 1965, 41.8 IL62 Contamination of livestock feeds, initiating infection in the animal.
- 2164 REBISCHUNG, J. Is it possible to modify the nutrition of ruminants? (Fr) Fourrages 25: 3-16. Mar. 1966, 60.8 P62 English summary, p.91. Includes formulas.
- 2165 RODRIGUEZ CRISTOBAL, J. A., CHIMENO-CHIMENO, B., and FERNANDEZ ZAFRA, M. Evaluation of the vitamin B complex in grain. (Sp) Spain. Patronato Biol. Anim. Rev. 10(1): 51-58. Apr. 1966, 49.9 Sp16 English summary. Importance in animal nutrition.
- 2166 ROWETT RESEARCH INSTITUTE (ABERDEEN). Annual report on animal nutrition and allied sciences. Vol. XXI, 1965. Aberdeen, 1965, 83 p., map. 389.9 Ab3C
- 2167 RUFFINI, L. Analysis of the chemical processes of forage ensiled in plastic silos. (It) Inform. Zootec. 13(4):137-140. Feb. 28, 1966, 49 In3
- 2168 RUSZCZYC, Z., and others. The influence of the degree of wilting and sodium metabisulphite addition on the legume silage quality. (Pol) Roczn. Nauk Roln. 88-B-1:51-59. Ref. 1966, 20.5 R59 Z. Fritz, J. Pres, and D. Jamroz, joint authors. English summary.
- 2169 SALOBIR, K., OSET, D., and ENGELMAN, D. Tests with feeding with green cut on the farm combine Emona. (Sl) Soc. Kmetijstvo Gozdarstvo 17(6):124-126. Apr. 15, 1966, 21.5 So14
- 2170 SCOTT, M. L. Importance of lysosomes in nutrition and disease. Poultry Livestock Comment 23(1):4-6. Ref. Spring 1966, 47.8 D92
- 2171 SENLLORENTI, R. Livestock feed supplement: mineral salts. (Sp) Cult. Mod. 49(6): 225. June 1966, 15 C89
- 2172 SHCHOLOKOVA, I. P. Yeasts and yeasts-like fungi in silage. (Uk) Mikrobiol. Zhur. 26(6): 20-25. Ref. 1964, 448.3 K54 English summary.
- 2173 STEINBERG, D., and others. Effects of dietary phytol and phytanic acid in animals. J. Lipid Res. 7(5):684-691. Ref. Sept. 1966, 381 J8282 J. Avigan, C. E. Mize, J. H. Baxter, J. Cammermeyer, H. M. Fales, and P. F. Highest, joint authors.

- 2174 VSESOYUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. Ispol'zovanie vitaminov dlya povysheniya produktivnosti zhivotnovodstva [Use of vitamins to increase productivity of the livestock]. Moskva, 1966. 482 p. SF95.V75
Papers of a conference held in Moscow, Nov. 24-26, 1964.
- 2175 WIERZCHOWSKI, Z., and BASAJ, J. The vitamin A potency of green crop silages. (Pol) Roczn. Nauk Roln. 88-B-1:79-92. Ref. 1966. 20.5 R59
English summary.
- 2176 ZALABAK, V., and BABICKA, J. Present views regarding the utilization of antibiotics and the development of their application in animal nutrition in Czechoslovakia. Za Sotsialist. Sel'skokhoz. Nauk. 14(4):367-396. Ref. 1965. 64.8 Z1
- VETERINARY MEDICINE**
- 2177 AKESSON, M. Swedish veterinary bibliography, 1965. (Sw) Svensk Veterinartidn. 18(17): 501-505, 512-522. Sept. 1966. 41.9 Sv23
- 2178 AMBROSII, F. The bringing up to date of pharmacology. (It) Vet. Ital. 17(3/4):191-204. Mar./Apr. 1966. 41.8 C87
- 2179 AMBROSII, F. The bringing up to date of pharmacology. (It) Vet. Ital. 17(5/6):286-299. May/June 1966. 41.8 C87
- 2180 AMERICAN VETERINARY MEDICAL ASSOCIATION. Proceedings of the business sessions of the 102nd annual meeting, July 11-15, 1965, Portland, Oregon. n.p., 1965. 164 p. 41.9 Un3a
- 2181 ANDERSON, N. V. The diagnostic importance of hyperlipemia. Auburn Vet. 22(1):30-32, 38. Fall 1965. 41.8 Aul
- 2182 ANNENKOV, B. N. Main results of studies on radioactive bromine metabolism in livestock. (Russ) Zhivotnovodstvo 7:82-86. July 1966. 49 Z6
- 2183 ATLAS of protein sequence and structure. Silver Spring, Maryland, National Biomedical Research Foundation, 1965. various paging. QD431.A8
Includes livestock.
- 2184 BAUER, F. Reverin, a modern antibiotic belonging to the tetracycline series. Blue Book Vet. Prof. 8:21-26. Ref. 1964. 41.9 B61Ae
- 2185 BELL, T. M. The rabies viruses—a new group. Arch. Gesamte Virusforsch. 18(2):257-259. Ref. 1966. 448.3 Ar23
- 2186 BENEDICT, J. K. Prescription for a laboratory. Vet. Econ. 7(9):21-22. Sept. 1966. 41.8 V6458
- 2187 BLAXLAND, J. D. The problem of drug resistance. Chicken, Egg 1(8):16-18. July/Aug. 1966. 47.8 C432
Antibiotic-resistant strains of Escherichia coli and Salmonella typhimurium.
- 2188 BOCHAROV, D. A. Disinfecting animal quarters when livestock are affected with foot-and-mouth disease. (Russ) Vses. Nauch.-Issled. Inst. Vet. Sanit. Tr. 24:227-230. 1964. 41.9 V964T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:26. Sept. 1965. Film S-205
- 2189 BOIKO, A. A. The practice of brucellosis eradication. Office Int. Epizoot. Bull. 63(7/8):1191-1203. July/Aug. 1965. 41.8 Of2
In USSR.
- 2190 BONU, V. Dimethyl sulfoxide (DMSO) without becoming miraculous is useful in veterinary medicine. (It) Inform. Zootec. 13(1):13. Jan. 15, 1966. 49 In3
- 2191 BOYCE, K. J., and EDGAR, A. W. Production of freeze-dried Brucella abortus strain 19 vaccine using cells produced by continuous culture. J. App. Bacteriol. 29(2):401-408. Aug. 1966. 448.39 So12
- 2192 BRADISH, C. J., and KIRKHAM, J. B. The morphology of vesicular stomatitis virus (Indiana C) derived from chick embryos or cultures of BHK21/13 cells. J. Gen. Microbiol. 44(3):359-371. Sept. 1966. 448.3 J823
- 2193 BRITISH SMALL ANIMAL VETERINARY ASSOCIATION. Proceedings of the eighth annual congress, 1965. I. J. Small Anim. Pract. 6(6):x, 405-484. Ref. Dec. 1965. 41.8 J8292
- 2194 BUCK, W. B., and MARSHALL, V. L. Veterinary toxicology and diagnosis. Southwest. Vet. 19(2):129-133. Winter 1966. 41.8 So82
- 2195 BUKOWSKI, K. Phosphatase activity in Pasteurella multocida. A test for differentiation between var. mammalian and var. avium of this organism. Acta Microbiol. Polon. 15(1): 13-16. 1966. 448.3 Ac82
Isolated from cattle, pigs and birds.
- 2196 BUSTAD, L. K., and MCCLELLAN, R. O. Host reaction to disease: application of radio-nuclides. U. S. Agr. Res. Serv. ARS-45-5:94-110. Ref. May 1966. A41.9 R315A
Radioactive isotopes in animal research.
- 2197 CAMAND, R., and others. Adaptation of the aphthous virus of type SAT 1 to Frenkel culture and preparation of an inactive saponin vaccine. (Fr) Inst. Razi. Arch. 17:101-110. Dec. 1965. 41.9 In72
H. Gilbert, M. Amighi, and A. Korour, joint authors.
English summary.
- 2198 CARATI, M. Sanitary protection of livestock. (It) Agr. Spezia 14(9/10):168-170. Sept./Oct. 1966. 16 Ag8223
Disease control.
- 2199 CHADLI, A., and BAKOSS, P. Leptospirosis in Tunisia. (Fr) Inst. Pasteur Tunis. Arch. 42 (1):45-58. Ref. Mar. 1965. 448.3 In72
Includes cattle, dogs and rodents.
- 2200 CHEBOTAREV, I. T. Metodika prepodavaniya anatomii i fiziologii sel'skokhozyaistvennykh zhivotnykh [Methodology of teaching the anatomy and physiology of livestock]. Moskva, Kolos, 1966. 287 p. Ref. SF761.C45
- 2201 CH'EN, C. H. Two cases of retained placenta of a female animal treated by use of shen-ling broth. (Ch) Chung-kuo Shou I Tsa Chih 4(1): 21. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:13. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 2202 CHIN, T. H., LI, K. C., and WEI, T. F. A study of trematodes of the Eurytrema species (Trematoda: Dicrocoeliidae) infesting domestic animals of the Kuei-chou Province and description of a new species. (Ch) Acta Parasitologica Sinica 2(1):28-33. 1965. Not in Libr.
Lancet fluke of ruminants.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:20. Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 2203 CHINEME, C. J. Research in the Department of Pathology and Parasitology at Tuskegee. Tuskegee Vet. 9(2):61-62. Dec. 1965. 41.8 T87
- 2204 CHINEME, C. N. The need for and the role of the public health veterinarians in the developing countries of Africa. Tuskegee Vet. 9(2): 51-53. Dec. 1965. 41.8 T87
- 2205 CHOLVIN, N. R. Recent advances in instrumentation for clinical medicine. Iowa State Univ. Vet. 27(3):112-114. 1965. 41.8 V6425
- 2206 CLAYTON, F. W. Expansion of scientific research at the University of Missouri. Mo. Vet. 15(2):5-8. Mar. 1966. 41.8 V6444
Chiefly of School of Veterinary Medicine.
- 2207 CLEGG, M. T. Growth. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 432-449. Ref. 1966. SF61.C6
- 2208 COCKRILL, W. R. Veterinary periparturition. Vet. Rev. 18(1):3-12. Sept. 1966. 41.8 V6466
Chiefly activities in controlling infectious diseases.
- 2209 COHEN, G. H., and WILCOX, W. C. Soluble antigens of vaccinia-infected mammalian cells. I. J. Bacteriol. 92(3):676-686. Ref. Sept. 1966. 448.3 J82

- 2210 COONEY, D. G. Practical laboratory methods for the culture and identification of fungi. Southwest. Vet. 18(3):207-211. Spring 1965. 41.8 So82
Causing disease to livestock.
- 2211 CRAWFORD, K. L. Some ways to prevent hemolysis of blood specimens. Md. Vet. 8(2):6. Feb. 1966. 41.8 M36
- 2212 CRICK, J., and others. The assay, extraction and storage of infective ribonucleic acid from foot and mouth disease virus. J. Gen. Microbiol. 43(1):59-70. Ref. Apr. 1966. 448.3 J823
A. I. Lebedev, D. L. Stewart, and F. Brown, joint authors.
- 2213 DERIVAUX, J., and EXTORS, F. A glance at progesterone derivatives and estrus synchronization. (Fr) Cah. Med. Vet. 35(2):63-89. Ref. Mar./Apr. 1966. 41.8 C11
- 2214 DIERKS, R. E. Mycoplasma in man and animals. Southwest. Vet. 19(2):107-112. Ref. Winter 1966. 41.8 So82
- 2215 DIPLOCK, P. T. Animal disease investigation and control in Indonesia. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:26-29, 31. 1965. 41.9 In73
- 2216 DYE, O. D. An unethical practice involving an interstate health certificate. Ga. Vet. 18(2):11-12. Mar./Apr. 1966. 41.8 G29
- 2217 EDMONDS, R. S. The business aspect of a small animal practice. Saint-Hyacinthe. Ecole Med. Vet. Inform. Vet. 8(2):19-28. Mar./Apr. 1966. 41.9 Sa2
- 2218 EGYED, M., and BRISK, Y. Experimental fluoroacetamide poisoning in mice, rats and sheep. Refuah Vet. 22(4):274-278. Ref. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 2219 ENGELBRECHT, H., ed. Parasitologische Arbeitsmethoden in Medizin und Veterinarmedizin [Work methods in parasitology for medicine and veterinary medicine]. Berlin, Akademie-Verlag, 1965. 259 p. Ref. RC119.E5
East Germany.
- 2220 ENTESSAR, F. The agglutination test with Brucella sera absorbed into filter paper. Inst. Razi. Arch. 17:43-46. Dec. 1965. 41.9 In72
- 2221 ERSHOV, F. I. Symplasm forming activity of viruses. (Rus) Vop. Virusol. 1:3-7. Ref. Jan./Feb. 1965. 448.8 P942
Includes livestock viruses.
- 2222 FEDII, E. M. Putting fistula on ventral part of ruminant paunch. (Uk) Visnyk Sil's'koho-spodar. Nauk. 6:103-104. June 1965. 20 V82
Russian summary.
- 2223 FIELD, L. E. The birth of the New York State Veterinary Medical Society. Vet. News 29(4):4-5. July/Aug. 1966. 41.8 V6491
- 2224 FIOCRE, B. Abortion and neonatal disease; two manifestations of ova infection. (Fr) Rev. Pathol. Comp. 66(777):253-257. Ref. Apr. 1966. 448.8 R326
English summary.
- 2225 FLEISCHMAN, R. Principals of efficient hospital design. Vet. Econ. 7(3,1.e.4):19-24. Apr. 1966. 41.8 V6458
- 2226 FOLDES, I. Reflections on some state veterinary medicine administration problems. (Hu) Magyar Allatorv. Lapja 21(6):245-246. June 1966. 41.8 V644
- 2227 FRANCE, SERV. VETERINAIRE SANITAIRE DE LA PREFECTURE DE POLICE. Rapport sur les operations pendant l'annee 1964 [Report of operations during the year 1964]. Paris, 1965. 90 p., map. 41.9 F842
- 2228 FRACHIGER, E., O'HARA, P. J., and SHORT-RIDGE, E. H. Pinealomas of animals. (Ge) Schweiz. Arch. Tierheilk. 108(7):368-372. Ref. July 1966. 41.8 Sch9
English summary.
- 2229 FRUTSCHI, E. Foot-and-mouth disease campaign 1965/66. (Ge) Grune 95(27):949-957. map. July 8, 1966. 17 Sch9
Switzerland.
- 2230 GAUMONT, R. On the lack of significance of low titre agglutination reactions in brucellosis material. (Fr) Office Int. Epizoot. Bull. 63(7/8):1047-1054. Ref. July/Aug. 1965. 41.8 Or2
English summary.
- 2231 GEDDERF, H. Tierarztee-Adressbuch fur die Deutsche Bundesrepublik und West-Berlin [Veterinary directory for the German Federal Republic and West Berlin]. Ed. 5. Hannover, 1966. 476 p. 225 Ad8
- 2232 CEERING, H. Tetanus and rabies—hazards for the veterinarian. Blue Book Vet. Prof. 11:19-21. 1966. 41.9 B61Ae
- 2233 GILBERT, H., and others. Production of vaccine against the aphthous virus type SAT 1 and its control during the year 1963-1964 at the Iranian Razi National Institute of Serums and Vaccines [Iran Institut National des Serums et Vaccins Razi]. (Fr) Inst. Raz. Arch. 17:47-51. Dec. 1965. 41.9 In72
M. Amighi, J. Santucci, and A. Korour, joint authors.
English summary.
- 2234 GILL, H. I., and GRANT, A. A. The anatomy of the pterygoid region of the cat, sheep, goat, and monkey. Australian J. Zool. 14(2):265-274. Ref. May 1966. 410 Au73
- 2235 GOLDING, N. K. Eradication of foot and mouth disease and rinderpest in overseas countries. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:22-26. 1965. 41.9 In73
In livestock, the programs chiefly in the United States, Great Britain, and Republic of South Africa.
- 2236 GOSS, H., and COLE, H. H. Physiology of the digestive system. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 450-466. Ref. 1966. SF61.C6
- 2237 GOULD, W. B. The clinical laboratory's increasing role in veterinary medicine. Veterinarian [Boston] 11(6):7,12-17. Nov. 1965. 41.8 V6457
- 2238 GRANIERI, M., and SANFILLE, V. Epizootiological, clinical, and prophylactic data on the cases of rabies occurring in the commune of Rome in 1963. Vet. Ital. 15(6):409-424. June 1964. 41.8 C87
Text also in Italian.
- 2239 GREAT BRITAIN, AGRICULTURAL RESEARCH COUNCIL, INSTITUTE OF ANIMAL PHYSIOLOGY, BABRAHAM, CAMBRIDGE. Report for 1964-1965; 3d biennial report. London, 1966. 120 p. Ref. 444.9 G792
- 2240 GREATHOUSE, T. R. Principles of digestion in ruminants. (In) Inform. Zootec. 12(23):863-891. Dec. 15, 1965. 49 In3
- 2241 GREENHAM, L. W. The wet preservation of vaccinia virus. Arch. Gesamte Virusforsch. 18(2):172-185. Ref. 1966. 448.3 Ar23
- 2242 GRETILLAT, S. Notes and remarks on the collection of trematodes at the Royal Museum of Central Africa. (Fr) Rev. Zool. Bot. Afr. 73(1/2):166-185. Mar. 30, 1966. 410 R326
Causing paramphistomiasis in livestock collected in the Congo.
- 2243 GRION, A. The rabies of animals. (Fr) Schweiz. Arch. Tierheilk. 108(7):388-396. July 1966. 41.8 Sch9
English summary.
- 2244 GUDREV, KH. Anatomy of domestic animals in antiquity. (Bu) Pirroda [Sofia] 14(1):97-102. Jan./Feb. 1965. 410 P934
- 2245 GULA, P. Development of cooperation in the veterinary field among CEMA [Council for Mutual Economic Assistance] member countries. 8 p. Transl. 16211
Translation from Veterinarstvi 12:529-531. Dec. 1965.
CFSTI: \$ 1.00.
- 2246 HAGAN, W. A., BRUNER, D. W., and GILLESPIE, J. H. Hagan's infectious diseases of domestic animals, with special reference to etiology, diagnosis, and biologic therapy. Ed. 5. Ithaca, New York, Comstock, 1966. 1105 p. Ref. SF781.H3
- 2247 HARBOURNE, J. F. Risks associated with intensive animal production. Outlook Agr. 5(1):35-43. Ref. 1966. 10 Ou8
Diseases of swine, cattle, and poultry in Great Britain.
- 2248 HARKER, K. W. The weighing of farm animals. Veterinarian [Oxford] 4(2):97-101. Aug. 1966. 41.8 V6467

- 2249 HASHIMOTO, Y., and YASUI, T. Protective effect of some neutral solutes on the inactivation of myosin A-adenosine-triphosphatase. *Nature* [London] 211(5045):194-195. Ref. July 9, 1966. 472 N21
In animal physiology.
- 2250 HATCHER, G. A do-it-yourself foreign aid program. *Mod. Vet. Pract.* 47(10):35-39. Sept. 1966. 41.8 N812
Assistance to natives of Central America by U. S. veterinarians.
- 2251 HEJL, J. M. Veterinary biologics. U. S. D. A. Yearbook Agr. 1966:266-270. 1 Ag84Y
- 2252 HENDERSON, J. A. Trends in veterinary education. *Can. Vet. J.* 7(3):51-53. Mar. 1966. 41.8 R3224
- 2253 HENDRIKS, H. J. The influence of aldosterone and its antagonists on mineral metabolism. I. Review of literature. (*Du*) *Tijdschr. Diergeneesk.* 91(13):829-837. July 1, 1966. 41.8 T431
English summary.
- 2254 HERBERG, H. Once again: carrying out the medical science with man and animal. (*Ge*) *Prakt. Tierarzt* 47(8):422-423. Aug. 1, 1966. 41.8 P882
Legislation.
- 2255 HINTZ, H. F. Meeting nutrient requirements for various physiological conditions. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p. 537-552. Ref. 1966. SF61.C6
- 2256 HOOK, K. R. The role of the veterinarian in disaster planning. *Southwest. Vet.* 18(4):283-285. Summer 1965. 41.8 S082
- 2257 HORVATH, Z. Development of veterinary internal medicine over the past 20 years in Hungary. 11 p. (*JPRS* 36,193; *TT* 66-32626) Transl. 16115
Translation from Magyar Allatorvosok Lapja 3:97-100. 1966.
CFSTI: \$1.00.
- 2258 HSU, H. L. The interference phenomenon and interferon in animal viruses. (*Ch*) *Chung-Shou I Tsa Chin* 4(1):31-32. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:20-21. Mar. 25, 1966. (*JPRS* 34,724; *TT* 66-31163) 241.7 Un34C
Issued by CFSTI.
- 2259 HUNGATE, R. E. The rumen and its microbes. New York, Academic-Press, 1966. 533 p. QR171.H8
Bibliography, p. 466-525.
- 2260 HUSSEL, L., and BURCKHARDT, A. Public veterinary science—a branch of veterinary medicine. (*Ge*) *Monatsh. Veterinarmed.* 21(13):481-491. Ref. July 1, 1966. 41.8 M742
English summary.
- 2261 HUSTON, K. Problems in diagnosis of genetic diseases and defects. *Kans. Vet.* 22(2):8, 10-15. Mar./Apr. 1966. 41.9 K133B
In livestock.
- 2262 INSTITUTE OF VETERINARY INSPECTORS OF NEW SOUTH WALES. Veterinary inspector—annual 1965, volume 29. Wyong, 1965. 60 p. Ref. 41.9 In73
- 2263 INTERNATIONAL ACADEMY OF PATHOLOGY. Fifty-fifth annual meeting, 1966. Abstract of papers. *Lab. Invest.* 15(6):1104-1142. June 1966. 448.8 L11
Includes livestock diseases.
- 2264 IVANOV, M. M. Brucellosis diagnosis in farm animals and some brucellosis vaccines; evaluation questions. *Office Int. Epizoot. Bull.* 63(7/8):1033-1046. July/Aug. 1965. 41.8 Or2
- 2265 JOVANIK, P. Results of use of killed brucellosis vaccine U.I.E.V. and test of a new non-agglutinogenic vaccine. (*Fr*) *Office Int. Epizoot. Bull.* 63(7/8):1167-1176. July/Aug. 1965. 41.8 Or2
English summary.
- 2266 JUNEJA, G. C. Communicable diseases and public health. *Gosamvardhana* 14(2):16-20. 22. May 1966. 43.8 G69
Of livestock.
- 2267 KILKIERAN (Cill Ciaran): new animal husbandry and pharmacology unit, Ballycoolin Road, Dublin 11. *Irish Vet. J.* 20(4):69-71. Apr. 1966. 41.8 Ir4
Teaching.
- 2268 KINDYAKOV, V. I., and RUBLEV, L. N. Study on the residual virulence of foot-and-mouth disease virus in FMD vaccines of the Kazakh Scientific Research Veterinary Institute [Kazakhskii Nauchno-Issledovatel'skii Veterinarnyi Institut]. (*Rus*) *Vestnik Sel'skokhoz. Nauk.* [Alma-Ata] 1:71-75. 1965. 20 Ak45
Abstracted in *Ref. Zh. Otd. Vypusk* [Ser.] 58, *Zhivotnovod. Vet.* 14:26. July 1965. Film S-205
- 2269 KIRILLOV, L. V. Some research on obtaining vaccinal strains of Brucella. (*Fr*) *Office Int. Epizoot. Bull.* 63(7/8):1143-1154. July/Aug. 1965. 41.8 Or2
English summary.
- 2270 KLEINSCHMIDT, A. K., and others. Cyclic DNA of Shope papilloma virus. *J. Mol. Biol.* 13(3):749-756. Ref. Oct. 1965. 442.8 J8224
S. J. Kass, R. C. Williams, and C. A. Knight, joint authors.
- 2271 KNISELY, R. F. Selective medium for *Bacillus anthracis*. *J. Bacteriol.* 92(3):784-786. Sept. 1966. 448.3 J82
- 2272 KOLB, E. Physiologie des animaux domestiques [Physiology of domestic animals]. 918 p. Ref. SF766.K6
Translation of *Lehrbuch der Physiologie der Haustiere*.
- 2273 KURMANOV, I. A. Fusariotoxicosis of farm animals. 7 p. Transl. 15980
Caused by contaminated grain.
Translation from *Veterinariya* 10:55-58. 1963.
- 2274 LAIRD, A. K. Dynamics of embryonic growth. *Growth* 30(2):263-275. Ref. June 1966. 442.8 G91
Livestock.
- 2275 LAMAND, M. Muscular dystrophy in young ruminants. (*Fr*) *Ann. Nutr. Aliment.* 20(3, revues):13-39. Ref. 1966. 389.8 An73
- 2276 LEE, D. G. Selection of the veterinary student. *Penn. Vet.* 8(3):10-12. Sept. 1966. 41.8 P38
- 2277 LE GUEDES, G., and RAULIN, J. A new center of interest in nutrition: prostaglandins derived from essential fatty acids. (*Fr*) *Ann. Nutr. Aliment.* 20(3, revues):1-12. Ref. 1966. 389.8 An73
Review of the literature.
In animals and man.
- 2278 LITTLE, R. G. Improper sales of veterinary prescription drugs. *Penn. Vet.* 8(1):12-13, 15. Mar. 1966. 41.8 P38
- 2279 LOW, D. G. Veterinary education in the clinical years. *J. Small Anim. Pract.* 7(7):499-504. July 1966. 41.8 J8292
- 2280 LOWE, E. G. Anthrax outbreak—Macquarie Marsh area. *Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu.* 29:43-44. 1965. 41.9 In73
- 2281 LUSSIER, G. Morphological and physiological characteristics of cancerous cells. (*Fr*) *Saint-Hyacinthe. Ecole Med. Vet. Inform. Vet.* 7(5):75-81. Sept./Oct. 1965. 41.9 S22
- 2282 LUTON, E. F. Avoiding and managing penicillin reactions. *Norden News* 41(1):15-17. Jan. 1966. 41.8 N75
Includes veterinary use.
- 2283 LYNN, G. E. A review of toxicological information on tordon herbicides. *Pract. Vet.* 38(4):118-123. July/Aug. 1966. 41.8 AL5
Tested on animals.
- 2284 MACHADO, A. V., and others. Statistical data of veterinary pathological anatomy in Minas Gerais, Brazil. (*Por*) *Minas Gerais. Univ. Fed. Escol. Vet. Agr.* 16:375-417. 1964, pub. 1965. 41.9 M662
J. M. L. da Silva, W. R. Costa, and W. F. Lucio, joint authors.
English summary.
- 2285 MAISSOURADZE, G. I. Microbes antagonistic to Brucella and trials to obtain new specific antibiotics against brucellosis of domestic animals. (*Fr*) *Office Int. Epizoot. Bull.* 76(7/8):1185-1190. July/Aug. 1965. 41.8 Or2
English summary.

- 2286 MARIOTTI, L. Foot and mouth disease almost conquered. (It) *Agr. Italia* 12(4):7-9. Apr.1966. 16 Ag8232
- 2287 MAROIS, P. H. Causes and epizootology of neoplasms. (Fr) *Saint-Hyacinthe, Ecole Med. Vet. Inform. Vet.* 7(6):95-99. Nov./Dec.1965. 41.9 Sa2
- 2288 MARTIN MARTIN, E. Contributions of euthanasia to veterinary medicine. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:23-28. 1964-65. 41.9 M262
- 2289 MATHIEU, J. S. A. For the evolution of veterinarian's wife in Quebec. (Fr) *Saint-Hyacinthe, Ecole Med. Vet. Inform. Vet.* 7(5):82-83. Sept./Oct.1965. 41.9 Sa2
- 2290 MCELROY, L. W. The veterinarian and animal production. *Can. Vet. J.* 7(3):66-68. Mar.1966. 41.8 R3224
Chiefly education.
- 2291 MCGOWAN, J. E., and KARSTAD, L. Field and laboratory studies of skunks, raccoons and groundhogs as reservoirs of *Leptospira pomona*. *Can. Vet. J.* 6(10):243-252. Oct.1965. 41.8 R3224
- 2292 MCGOWAN, J. E. The veterinarian in provincial veterinary services. *Can. Vet. J.* 7(3):54. Mar.1966. 41.8 R3224
- 2293 MEGALE, F. Peritoneoscopic movie films of abdominal and pelvic organs in large and small animals. *Minas Gerais, Univ. Fed. Escol. Vet. Arq.* 16:373-374. 1964, pub.1965. 41.9 M662
- 2294 MEISINGER, G. Agriculture and veterinary medicine in the Democratic Republic of Vietnam. (Ge) *Monatsh. Veterinarmed.* 21(12):449-452. (Cont.) June 15.1966. 41.8 M742
- 2295 MEISINGER, G. Agriculture and veterinary medicine in the Democratic Republic of Vietnam. (Ge) *Monatsh. Veterinarmed.* 21(13):491-497. (Concl.) July 1.1966. 41.8 M742
English summary.
Chiefly in veterinary medicine.
- 2296 MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COLLEGE OF VETERINARY MEDICINE. Michigan State's telephonic classroom. *Vet. Econ.* 7(8):30-31. 34. Aug.1966. 41.8 V6458
Teaching veterinary medicine.
- 2297 MIDDELBOE, V. Half-lives of barium-137m, silver-109m and rhodium-106 measured with calculable overall accuracy. *Nature [London]* 211(5046):283-284. July 16.1966. 472 N21
Animal research.
- 2298 MIHALJEVIC, K. A contribution to the study of tetanus in domestic animals. (Se) *Vet. Arh.* 36(5/6):152-163. 1966. 41.8 V6416
English summary.
- 2299 MILLER, C. L. How do you handle accident cases? *Vet. Econ.* 7(3):27-29. 32. Mar.1966. 41.8 V6458
- 2300 MITCHELL, C. A. *Canadiana veterinaria*. *Can. Vet. J.* 7(5):93-98. May 1966. 41.8 R3224
History of Central Canada Veterinary Association.
- 2301 MITSYK, V. E., and PRUSOVA, L. G. The effect of the minor element zinc on gas metabolism and red blood in animals. (Rus) In *Kiev. Institut Fiziologii Rastenii, Mikroelementy v Zhizni Rastenii, Zhivotnykh i Cheloveka* 1964:270-275. 386.2 K542
Cattle, sheep, and swine.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 14:2. July 1965. Film S-205
- 2302 MORAES, G. W. G. DE. Studies on aflatoxin. I. (Por) *Minas Gerais, Univ. Fed. Escol. Vet. Arq.* 16:319-323. Ref. 1964, pub.1965. 41.9 M662
English summary.
- 2303 MORAES, G. W. G. DE. Studies on the aflatoxin. II. Extraction and identification of aflatoxin in peanut meal. (Por) *Minas Gerais, Univ. Fed. Escol. Vet. Arq.* 16:319-323. Ref. 1964, pub.1965. 41.9 M662
English summary.
- 2304 MORAES, G. W. G. DE. Studies on the aflatoxin. III. Cultivation of *Aspergillus parasiticus* in peanuts and peanut meal. (Por) *Minas Gerais, Univ. Fed. Escol. Vet. Arq.* 16:325-330. 1964, pub.1965. 41.9 M662
English summary.
Chiefly toxicity to animals.
- 2305 MOZGOV, I. E. *Veterinarnaya receptura [Veterinary prescriptions]*. Ed. 4, rev. and enl. *Moskva, Kolos*, 1966. 255 p. SF915.M6
- 2306 MUSHKINA, F. J. Livestock health. U. S. D. A. Yearbook Agr. 1966:55-60. 1 Ag84Y
Disease control.
- 2307 MULLINS, J. The sickness. *Vet. Rev.* 17(3):47-50. Mar.1966. 41.8 V6466
Chiefly facial eczema of ruminants, caused by the fungus *Phythomyces chartarum* and the toxin sporidesmin of the mycelium, in New Zealand.
- 2308 MUSAEV, M. A., and KOCHARLI, E. S. Data on the spread of toxoplasmosis among livestock in Azerbaizhan. (Rus) *Akad. Nauk Azerb. SSR. Inst. Zool. Tr.* 24:3-12. 1965. 41.0.9 Ak18
Chiefly horses, cattle, and sheep.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 15:37. Aug.1965. Film S-205
- 2309 NETTZ, R. Foot-and-mouth disease continues to plague Europe. *Calif. Cattleman* 49(5):26. May 1966. 43.8 C12
- 2310 NELLOR, J. E. Nervous and hormonal controlling mechanisms. In *Cole, H. H., ed. Introduction to livestock production, including dairy and poultry*, ed.2, p.353-372. 1966. SF61.C6
- 2311 NEUMAN, M. The use of the fluorescent antibody technique in the routine diagnosis of rabies. *Refuah Vet.* 22(4):270-273. Ref. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 2312 NEW YORK STATE VETERINARY COLLEGE (CORNELL UNIVERSITY). Report for the year 1964-65. Ithaca, 1965. 208 p. (New York (State) Legislative Document No. 88, 1966). 41.9 N482R
- 2313 NICHOLS, L. Association and incorporation in veterinary medicine. (Fr) *Saint-Hyacinthe, Ecole Med. Vet. Inform. Vet.* 7(6):100-102. Nov./Dec.1965. 41.9 Sa2
Legal aspects.
- 2314 NIXON, G. Four steps to greater efficiency. *Vet. Econ.* 7(1):30-31. Jan.1966. 41.8 V6458
Veterinary medical practice and equipment.
- 2315 OBYDENNOV, V. A. *Gormony v zhizni zhivotnykh [Hormones in life of livestock]*. *Moskva, Kolos*, 1965. 206 p. SF768.02
- 2316 OFFICE INTERNATIONAL DES EPIZOOTIES. Conference de specialistes des pays-membres de l'O.I.E. sur les brucelloses animales et la tuberculose bovine (Moscou, U.R.S.S., 28 juin-2 juillet 1965 [Conference of specialists of member countries of the O.I.E. on livestock brucellosis and cattle tuberculosis (Moscow, U.S.S.R., 28 June-2 July 1965)]. *Office Int. Epizoot. Bull.* 63(7/8):1391 p. Ref. July/Aug.1966. 41.8 O2
Text in English or French.
- 2317 ORLOV, E. S. Efficiency in use and perfection of the specific means of brucellosis prophylaxis. (Fr) *Office Int. Epizoot. Bull.* 63(7/8):1091-1106. July/Aug.1965. 41.8 O2
English summary.
Use of vaccines.
- 2318 ORMROD, A. N. Electrosurgery: Its uses and dangers. *J. Small Anim. Pract.* 6(6):457-462. Ref. Dec.1965. 41.8 J8292
- 2319 OSBORNE, M. A visit to the Veterinary Research Laboratory, Abbotstown. *Irish Vet. J.* 20(3):55-56. Mar.1966. 41.8 Ir4
- 2320 OSEBOLD, J. W. Infection and its effects on livestock production. In *Cole, H. H., ed. Introduction to livestock production, including dairy and poultry*, ed.2, p.785-810. Ref. 1966. SF61.C6
- 2321 PALMINTERI, A. Oxymerphone—an aid to outpatient practice. *Mod. Vet. Pract.* 47(10):68,69. Sept.1966. 47.8 N812
- 2322 PENNSYLVANIA VETERINARY MEDICAL ASSOCIATION. 83rd annual convention. *Penn. Vet.* 7(4):14-19, 21-27, 29. Dec.1965. 41.8 P38
Includes abstracts of papers.
- 2323 PHILLIPSON, A. T. Nutrition as a factor in disease. U. S. Agr. Res. Serv. *ARS-45-5:23-36*. Ref. May 1966. A41.9 R315A
Infectious disease resistance in livestock and experimental mice.

- 2324 PICKARD, J. R., MEYERHOLZ, G. W., and BECKER, H. N. Operational policies and referral procedures of the clinics and hospitals. Ill. Univ. Coll. Vet. Med. Educ. Res. Serv. Prof. Top. 24, 4 p., map. Dec. 1965. 41.9 IL64
- 2325 PICKARD, J. R., MEYERHOLZ, G. W., and BECKER, H. N. The faculty looks at continuing education. Ill. Univ. Coll. Vet. Med. Educ. Res. Serv. Prof. Top. 23, 4 p. Nov. 1965. 41.9 IL64
- 2326 PIPANO, E. Piroplasmosis—a review. Re-fuah Vet. 22(2):117-125. (Cont.) June 1965. 41.8 R25
Text also in Hebrew.
- 2327 PIPANO, E. Piroplasmosis—a review. Re-fuah Vet. 22(3):175-181. (Cont.) Sept. 1965. 41.8 R25
Text also in Hebrew.
- 2329 POLIAKOV, A. A. Zoo-sanitary measures in centers of brucellosis infection. (Fr.) Office Int. Epizoot. Bull. 63(7/8):1077-1090. July/Aug. 1965. 41.8 Of2
English summary.
- 2329 PRICE, A. A. People, plans, programs, and progress. Southwest. Vet. 19(1):12. Fall 1965. 41.8 So82
Of the Texas Agricultural and Mechanical University, College of Veterinary Medicine.
- 2330 PRITCHARD, W. R. Veterinary medical education for the next decade. Can. Vet. J. 7(3): 55-61. Mar. 1966. 41.8 R3224
- 2331 RAMOS-SACO, T. The importance of scientific research for improving livestock production and health in high altitudes. U. S. Agr. Res. Serv. ARS-45-5:50-58. Ref. May 1966. A41.9 R315A
Peru.
- 2332 RAMYAR, H., and SOHRAB, V. Review of attenuated live virus-vaccines. Office Int. Epizoot. Bull. 64(1):323-361. 1965. 41.8 Of2
Review of the literature.
- 2333 REICHELT, D. Herkunft der Berufsbezeichnung Veterinar und tierärztliche Berufsbezeichnungen im deutschen und europäischen Sprachgebrauch [Origin of the professional designation veterinarian and veterinary medicine professional designations in German and European colloquial usage]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 41, 43 p. Ref. 1965. 41.2 H193
- 2334 REIS, R., and FIGUEIREDO, J. B. New techniques for growing of *Trichomonas fetus*. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16: 331-344. 1964, pub. 1965. 41.9 M662
English summary.
In chicken eggs.
- 2335 RICE, R. E. Trends in large animal practice. Norden News 41(3):20-22. Summer 1966. 41.8 N75
- 2336 ROSENBERGER, J. Small animal trends in large animal practice. Vet. Econ. 7(3, i.e. 4): 30-32, 35. Apr. 1966. 41.8 V6458
- 2337 SAINT-GEORGES, J. Thoughts of a veterinarian (Fr) Eleveur 20(2):14-15. Jan./Feb. 1966. 49 G66
In Canada.
- 2338 SARKISOV, A. KH., and TRISHKINA, E. T. Antibiotic sensitivity of microorganisms pathogenic to domestic animals and poultry. (Rus) Antibiotiki 10(1):76-78. Jan. 1965. 396.8 An84
Causing salmonellosis, pasteurellosis and erysipelas.
- 2339 SAUSE, M. P. An open letter to Maryland veterinarians. Md. Vet. 8(3):11-13. Mar. 1966. 41.8 M36
For training veterinary technicians.
- 2340 SCHEUNERT, A., and TRAUTMANN, A. T. Lehrbuch der Veterinar-Physiologie [Text-book of veterinary physiology]. Ed. 5. Berlin, Parey, 1965. 848 p. SF768.S3
- 2341 SCHILF, E. A. Brucellosis Eradication Program; progress report, calendar year 1965. U. S. Agr. Res. Serv. ARS 91-57, 73 p., map. Feb. 1966. A41.9 R31Ar
- 2342 SCHREITER, H. The practicing veterinarian profession expressed in figures. (Ge) Prakt. Tierarzt 47(8):418-421. Aug. 1, 1966. 41.8 P882
- 2343 SCHULZE, W. The development of clinical veterinary medicine. (Ge) Deut. Tierarztl. Wochenschr. 73(15):357-363. Aug. 1, 1966. 41.8 D482
- 2344 SCHWAN, V. Gaschromatographie und Radio-gaschromatographie der flüchtigen Fettsäuren im Pansen und ihre Verwendbarkeit zur Untersuchung des Pansenstoffwechsels [Gas chromatography and radio gas chromatography of volatile fatty acids in rumen and their applicability for studying rumen metabolism]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 45, 35 p. Ref. 1965. 41.2 H198
- 2345 SCHWARZ, R., and others. The adrenal cortex; pharmacology and therapy. (Ge) Deut. Tierarztl. Wochenschr. 73(15):363-367. Ref. Aug. 1, 1966. 41.8 D482
J. Harmeyer, S. Ueberschar, V. Bollmann, and K. Gabrysich, joint authors.
- 2346 SCHWARZ, R., and others. The adrenal cortex; structure and function. (Ge) Deut. Tierarztl. Wochenschr. 73(14):336-340, 345. July 15, 1966. 41.8 D482
J. Harmeyer, S. Ueberschar, V. Bollmann, and K. Gabrysich, joint authors.
- 2347 SCHWARZE, E., and SCHRODER, L. Compendium der Veterinar-Anatomie. IV. Nervensystem, Sinnesorgane [Compendium of veterinary anatomy. IV. Nervous system, sense organs]. Jena, Fischer, 1965. 216 p. SF761.S3
- 2348 SCOTT, J. E. Foot and mouth; the public never sees this bill. Beef Sheep Farming 3(7): 6, 18. Sept. 1966. 43.8 B392
Control of the disease in livestock of Great Britain.
- 2349 SHALUNOVA, N. V., KARPOVICH, L. G., and LEVKOVICH, E. N. Interference of Japanese encephalitis virus with certain cytopathogenic viruses in tissue cultures. (Rus) Vop. Virusol. 5:551-557. Ref. Sept./Oct. 1965. 44.8 P942
English summary.
With Newcastle disease and western equine encephalomyelitis viruses.
- 2350 SHARABRIN, I. G., and POLYAKIN, V. V. The dispensary system and its stages in maintaining healthy and highly productive herds. (Rus) Veterinariya 5:54-58. May 1966. 41.8 V6426
Place of veterinarians in farm management.
- 2351 SHELTAWY, A., and DAWSON, R. M. C. The polyphosphoinositides and other lipids of peripheral nerves. Biochem. J. 100(1):12-18. Ref. July 1966. 382 B52
Animals included.
- 2352 SIMPSON, R. W., and HAUSER, R. E. Structural components of vesicular stomatitis virus. Virology 29(4):654-667. Ref. Aug. 1966. 44.8 V61
- 2353 SMITH, C. A. How U.S. livestock are protected from foreign diseases. Foreign Agr. Incl. Foreign Crops Markets 4(37):5-7. Sept. 12, 1966. A281.9 F76Fo
- 2354 SMITH, D. L. T. The Western Canadian Veterinary College—its philosophy. Can. Vet. J. 7(3):62-65. Mar. 1966. 41.8 R3224
- 2355 SNOOK, J. T. Metabolic pathways in the utilization of nutrients. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 515-536. Ref. 1966. SF61.C6
- 2356 SNOWDON, W. A. Growth of foot-and-mouth disease virus in monolayer cultures of calf thyroid cells. Nature [London] 210(5040): 1079-1080. Ref. June 4, 1966. 472 N21
- 2357 SOCIETY FOR ENDOCRINOLOGY. Proceedings of twenty first annual general meeting, London, 1966. J. Endocrinol. 35(4):XVII-XXIX. Aug. 1966. 44.8 J8293
Abstracts of papers.
Includes livestock.
- 2358 STAUFFER, V. D. Keeping up with current literature. Southwest. Vet. 19(1):41-42. Fall 1965. 41.8 So82
Need for documentation in veterinary medicine.
- 2359 STEVENS, C. E., and STETTLER, B. K. Transport of fatty acid mixtures across rumen epithelium. Amer. J. Physiol. 211(2):R 264-R 271. Ref. Aug. 1966. 447.8 Am3

- 2360 STUDENTSOV, K. P. Some questions of diagnosis of brucellosis and specific preventive measures in the Kazakh Soviet Republic. Office Int. Epizoot. Bull. 63(7/8):1245-1251. July/Aug. 1965. 41.8 Or2
- 2361 STUKYS, V., and others. Epizootologija su mikrobiologijos pagrindais [Epizootiology and basic microbiology]. Vilnius, Mintis, 1966. 256 p. SF781.E6
J. Brazaitis, L. Grubliauskas, and J. Narbutas, joint authors.
- 2362 SUGAY, W., and NILSSON, R. Isolation of rabies virus from vampire bats in Sao Paulo State. (Sp) Ofic. Sanit. Panamer. Bol. 60(4): 310-315. Ref. Apr. 1966. 449.9 P192B
English summary.
- 2363 SYMPOSIUM ON ASPECTS OF COMPARATIVE OPHTHALMOLOGY. [Abstracts of papers]. J. Small Anim. Pract. 6(5):385-393. Oct. 1965. 41.8 J8292
- 2364 SYMPOSIUM ON FACTORS INVOLVED IN HOST-AGENT RELATIONSHIPS. AMES, IOWA, 1961. [Proceedings], held at dedication of National Animal Disease Laboratory, Ames, Iowa, December 12 and 13, 1961. U. S. Agr. Res. Serv. ARS-45-5,179 p. Ref. May 1966. A41.9 R315A
Infectious diseases and their resistance.
- 2365 SYMPOSIUM ON PRACTICE IMPROVEMENT. [Papers. I-VIII]. J. Small Anim. Pract. 7(1): 13,15-17,19-23,25-31,33-61,63-67,69-75. Jan. 1966. 41.8 J8292
Contributors: E. M. Pittaway, S. De La Mare, R. S. Pinniger, P. How, A. D. Charters, J. Gourley, N. G. Fowler and W. S. Gimber.
Includes veterinary hospital improvement, in Great Britain.
- 2366 TANZANIA. MINISTRY OF AGRICULTURE, FORESTS AND WILDLIFE. VETERINARY DIV. Annual report, 1964. Dar Es Salaam, 1966. 24 p. 41.9 T15
- 2367 TAUSSKY, H. H., and others. Distribution of selenium in the tissues of the eye. Nature [London] 210(5039):949-950. May 28, 1966. 472 N21
A. Washington, E. Zubillaga, and A. T. Milhorat, joint authors.
Includes livestock.
- 2368 TAVERNOR, W. D. Endoscopy in practice. J. Small Anim. Pract. 6(6):413-419. Ref. Dec. 1965. 41.8 J8292
- 2369 TCHERNYCHEVA, M. I. Study of the value of the serological diagnostic method for the presence of Brucella by fluorescence. (Fr) Office Int. Epizoot. Bull. 63(7/8):1025-1032. July/Aug. 1965. 41.8 Or2
English summary.
In USSR.
- 2370 TRENTINI, R. Directions for the use of low toxicity insecticides with reference to livestock mortality in the Castagne S. Vito zone. (It) Terra Trentina 12(3):115-117. Mar. 1966. 16 T277
- 2371 TRILENKO, P. A. Characteristics of vaccines prepared from non-agglutinogenic Brucella-MVB-strains (Brucella without variants). (Fr) Office Int. Epizoot. Bull. 63(7/8):1155-1166. July/Aug. 1965. 41.8 Or2
English summary.
- 2372 TSUNG, C., PAO, C. H., and LIANG, C. Y. Sleeping therapy method for the treatment of 30 cases of constipative hernia. (Ch) Chung-kuo Shou I Tsa Chih 4(1):1-3. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:1. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSIL.
- 2373 TURKEY. VETERINER ISLERI UMUM MUDURLUGU. Brucellosis in Turkey. Office Int. Epizoot. Bull. 63(7/8):1253-1264. Ref. July/Aug. 1965. 41.8 Or2
- 2374 UGANDA. DEPT. OF VETERINARY SERV. AND ANIMAL INDUSTRY. Annual report, 1964. Entebbe, 1965. 50 p. 41.9 Ug1
- 2375 VARNAGY, L. Up to date problems of state veterinary medicine. III. Realization of state veterinary administration. (Hu) Magyar Allatorv. Lapja 21(6):241-245. Ref. June 1966. 41.8 V444
English summary.
- 2376 VERCHILOVA, P. A. Methods of prophylaxis for human brucellosis in USSR. (Fr) Office Int. Epizoot. Bull. 63(7/8):1265-1277. July/Aug. 1965. 41.8 Or2
English summary.
Includes transmission from animals.
- 2377 WACHSTEIN, M. Histochemistry of host response to infections. U. S. Agr. Res. Serv. ARS-45-5:59-62. May 1966. A41.9 R315A
Bibliography, p. 70-77.
Application to studies of infectious diseases in animals.
- 2378 WARNER, R. G. Veterinarian's role in feeding and management. Southwest Vet. 18(4):306-309. Summer 1965. 41.8 S82
- 2379 WEBSTER, A. Modern vaccine production. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:50-51. 1965. 41.9 In73
- 2380 WERNER, H. Identification of Toxoplasma gondii by means of animal experiment, a contribution to the laboratory diagnosis of toxoplasmosis. (Ge) Z. Tropenmed. Parasitol. 17(2):217-225. Ref. July 1966. 448.8 Z37
English summary.
- 2381 WILLIAMS, R. P., and others. Isolation and identification of Bacillus anthracis from animal sources. Southwest Vet. 19(1):31-35. Ref. Fall 1965. 41.8 S82
J. L. Blizzard, R. D. Wende, and J. M. Tripp, joint authors.
- 2382 WINKLER, C., and PATZWALDT, H. G. Fluorescence diagnosis of rabies and its advantages in rabies immunization. (Ge) Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 200(2):179-190. Ref. June 1966. 448.3 C33
English summary.
- 2383 WUNDERLICH, H. On the application of the principle of material incentives for practicing veterinary surgeons. (Ge) Monatsh. Veterinarmed. 21(12):445-448. June 15, 1966. 41.8 M742
English summary.
- 2384 ZHDANOV, V. M., and GAIDAMOVICH, S. YA. Taxonomy and nomenclature of viruses. (Rus) Vop. Virusol. 6:755-758. Nov./Dec. 1965. 448.8 P942
Includes animal and plant viruses.

MISCELLANEOUS

- 2385 AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS. Centennial, 1866-1966. Mod. Vet. Pract. 47(10):54-55. Sept. 1966. 47.8 N812
- 2386 ANDREWS, F. N. Adaptation to the environment. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 467-484. Ref. 1966. SF61.C6
- 2387 ASHTON, G. C., and others. Proposals on nomenclature of protein polymorphisms in farm livestock. Immunogenet. Lett. 4(4):160-170. Ref. July 1966. 443.8 Im6
D. G. Gilmour, A. C. Kiddy, and F. K. Kristjansson, joint authors.
- 2388 BENOIT, R. The new slaughterhouses of Lausanne-Malley are already twenty years old. (Fr) Ann. Agr. 5:89-91. 1965/66. 17 An73
- 2389 BLANKEN, G. Experiences on the use of superphosphate in stalls. (Ge) Mitt. Deut. Landwirt.-Ges. 81(31):1194-1196, 1198. Aug. 4, 1966. 18 N39
Use as litter disinfectant.
- 2390 BUCKETT, M. Introduction to livestock husbandry. Oxford, Pergamon Press, 1965. 146 p. (The Commonwealth and International Library. Rural and Environmental Studies Division, 2419/65) SF71.B8
In Great Britain.

- 2391 CANADIAN NATIONAL LIVE STOCK RECORD BOARD. The sixtieth annual meeting. Toronto, 1965. 11 p. 49.9 C163M
- 2392 COLE, H. H., ed. Introduction to livestock production, including dairy and poultry. Ed. 2. San Francisco, Freeman, 1966. 827 p., map. Ref. [A Series of Books in Agricultural Science] SF61.C6
- 2393 GRAZIERS' ASSOCIATION OF NEW SOUTH WALES. The graziers' annual, 1965-1966 edition. Sydney, 1966. 372 p., map. 45.9 G79
Pastoralists' Association of West Darling cooperating.
- 2394 GREAT BRITAIN, NATIONAL AGRICULTURAL ADVISORY SERV. LISCOMBE EXPERIMENTAL HUSBANDRY FARM. Report and guide to experiments, 1966. Dulverton, 1966. 75 p., map. 49.9 G7923
- 2395 GREGORCZUK, M. Trial of applying the climograms to estimate the importance of climatic conditions for domestic animals. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 13:53-59. 1964, pub. 1965. 49.9 B75 English summary.
- 2396 GUNN, H. 143 years in California. Calif. Cattleman 49(4):8-12. Apr. 1966. 43.8 C12
History of livestock farms and industry.
- 2397 HAERKOTTER, G. Animal production between tradition and progress. (Ge) Mitt. Deut. Landwirtschaft.-Ges. 81(31):1189-1190. Aug. 4, 1966. 18 N39
- 2398 KOSAKOWSKI, M. Standardization of slaughter livestock as basis for quality of meat products. (Pol) Gosp. Miesna 18(4):19-20. Apr. 1966. 50.8 G69
- 2399 LUDVIGSEN, J. B. Barn sanitation and disinfection of barns. (Da) Denmark. Landokn. Forsøgslab. Arb. 1965(fall meeting):318-322. 49.9 D41
- 2400 MEHES, GY., and MAKÓ, I. Slaughterhouse reconstructions. II. Primary slaughterhouse processing. (Hu) Huszpár 15(3):114-119. Ref. May/June 1966. 50.8 H95
English summary.
Chiefly sanitation.
- 2401 PEDRINI, E. Social barn and possibility for its adaptation. (It) Inform. Zootec. 13(8):331-333. Apr. 30, 1966. 49 In3
- 2402 POLETTI, R. Intensive rearing is a cruel practice. (It) Inform. Zootec. 13(1):19-22. Jan. 15, 1966. 49 In3
- 2403 RADEV, T. Ethology—a science of behavior of animals. (Bu) Priroda [Sofia] 14(1):12-18. Jan./Feb. 1965. 410 P934
Includes domestic animals.
- 2404 SAINSBURY, D. W. B. Housing of livestock. VI. Housing in relation to disease control. Veterinarian [Oxford] 4(2):115-116. Aug. 1966. 41.8 V6467
- 2405 SANTA CLARA COUNTY CATTLEMEN'S ASSOCIATION. Santa Clara County's livestock history. Calif. Cattleman 49(3):8-12, 24. Mar. 1966. 43.8 C12
- 2406 SCHULZE-ZUMLOH, E. Beitrag zum Stande der Tierhygiene im Kreise Warendorf [Contribution to the status of animal hygiene in the Warendorf district]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 44, 68 p., map. 1965. 41.2 H198
Bibliography, p. 62-67.
Chiefly on housing.
- 2407 WASHINGTON STATE UNIVERSITY. Thirtieth WSU stockmen's short course, 1965. Pullman, 1965. 164 p. Ref. 49.9 W27
Washington Cattlemen's Association, cooperating.
- 2408 WEETE, H. Tierhaltung und Fütterung im bauerlichen Betrieb; ein Lehrbuch für den Schüler der Landwirtschaftsschule und ein Leitfaden für den Praktiker und Betriebsleiter [Animal rearing and feeding on the farm; a textbook for agricultural school student and a manual for the practitioner and farm manager]. Ed. 2. Oldenburg, Landwirtschaftsverlag Weser-Ems, 1965. 388 p. SF61.W4
- 2409 WILLIAMSON, G., and PAYNE, W. J. A. An introduction to animal husbandry in the Tropics. Ed. 2. London, Longmans, 1965. 447 p., map. Ref. (Tropical Agriculture Series) SF75.W5
- 2410 WISCONSIN LIVESTOCK BREEDERS' ASSOCIATION. 1966 breeder directory. Madison, 1966. 30 p. 49.9 W75
- 2411 WROCLAW, WYŻSZA SZKOŁA ROLNICZA. WYDZIAŁ WETERYNARYJNY. Bibliography of the papers of scientific workers of the College of Agriculture—Zootechnics Department in Wrocław for the year 1963, compiled by J. Obmńska. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 12:219-232. 1964, pub. 1965. 49.9 B75
- 2412 ZANETTI, R. Inherent dangers in intensive rearing of animals. (It) Vet. Ital. 17(5/6):300-324. May/June 1966. 41.8 C87

CATTLE

Breeds and Breeding

- 2413 ABERDEEN-ANGUS CATTLE SOCIETY. The Aberdeen-Angus herd book. Volume 90. Aberdeen, 1966. 600 p. 43.9 P76
- 2414 AMERICAN ANGUS ASSOCIATION. The Angus advance in 1965; 82nd annual report. St. Joseph, Mo., 1965. 17 p., map. 43.9 A32Ra
- 2415 AMERICAN JERSEY CATTLE CLUB. Annual report 1964-1965. Columbus, Ohio, 1965. 8 p. 43.9 A36P
Includes report of National All-Jersey Inc.
- 2416 ANDERSEN, H. R. Calving age of heifers. (Da) Landbonyt 20(8):283-288. Aug. 1966. 11 L2322
- 2417 AVILES ALGARRA, J. Beef cattle; selection of bulls. (Sp) Cult. Mod. 49(8):298-299. Aug. 1966. 15 C89
- 2418 AVIZOV, A. G. Heritability of certain milk-producing traits in cows. (Rus) Uzbekskii Biol. Zhur. 6:62-65. 1964. 442.8 U21
Abstracted in Ref. Zh. Otd. Vysk. [Ser.] 58, Zhivotnovod. Vet. 17:14. Sept. 1965.
Film 8-205
- 2419 BACHNER, W. Untersuchungen über die Beziehungen zwischen Milchleistung, Nutzungsdauer und Zwischenkalbezeit in einer ober-schwäbischen Fleckviehherde [Research on the relation between milk production, productive life, and calving interval in some Upper Swabian Simmental herds]. Hohenheim. Landwirt. Hochsch. Diss. 2, 55 p. Ref., p. 51-53. Jan. 1964. 105.8 H66D
- 2420 BANERJEE, A. L. Diseases affecting the reproductive activity of cattle. Gosamvardhana 14(4):12-16. July 1966. 43.8 G69
- 2421 BARBOSA, H. S. C., and FONTES, L. R. Study about live weight Zebu cattle in Minas Gerais, Brazil. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16:345-359. 1964, pub. 1965. 41.9 M662
English summary.
- 2422 BARTON, R. A. Quality in cattle and beef—a changed concept. Massey Univ. Manawatu Sheepfarming Annu. 1965:93-106. 45.9 M38S
Effects of breeding on meat production, in New Zealand.
- 2423 BEHLOW, R. F., NICOLAI, J. H., and ULBERG, L. C. Timing pays off. N. C. Univ. Ext. Ext. Folder 250, 4 p. June 1966. 275.29 N81Ex
Effects of breeding time on milk production in dairy cattle; includes records.
- 2424 BELLOW, R. A. Improving reproductive efficiency in beef cattle. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course: 107-121. 1965. 49.9 W27
- 2425 BERGER, J. Building an efficient breeding program. Gulf Coast Cattleman 32(8):39-40. Oct. 1966. 43.8 G95
- 2426 BERRY, W. T. The value of a breeding bull. Ark. Cattle Bus. 2(10):20-25. Oct. 1966. 43.8 Ar43
Performance.
- 2427 BEVERLY, J. R. Selection for efficiency in cattle. Tex. Livestock J. 25(8):7, 12-13. Aug. 15, 1966. 49 T29
In breeding.

- 2428 BONSMÀ, J. Clue to their worth found in looks. *Livestock Breeder J.* 9(10):34-35. Oct. 1966. 49 L758
Physiology of the bull.
- 2429 BRADBURY, C. J., and MACLEAN, T. N. A.B. dairy stock—production details. *Dairyfarming Dig.* 13(4):17-22. July/Aug. 1966. 44.8 D1443
In Australia.
- 2430 BRANDINA, A. The Piedmont breed of cattle. (It) *Inform. Zootech.* 12(23):893-897. Dec. 15, 1965. 49 In3
- 2431 BRATCHER, G. Better selection necessary to maintain herd profits. *Tex. Livestock J.* 25(7): 6, 38. July 15, 1966. 49 T29
- 2432 BRETH, F. E. Artificial insemination of cattle is a large business in the United States. (It) *Inform. Zootech.* 12(20):691-697. Oct. 31, 1965. 49 In3
- 2433 BRETH, F. E. Gir dairy cow of Brazil; a new dairy cattle breed for hot climate. (It) *Inform. Zootech.* 13(14):617-622. July 31, 1966. 49 In3
- 2434 BURLAKOV, N. M. Problems of intensification of dairy husbandry, Specialization in cattle breeds and improvement of breeding work. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 26/27:61-80. 1965. 281.9 M852
- 2435 CHQUILOFF, M. A. DE G. Heat tolerance comparisons of Gir, Schwyz, Jersey, Guernsey and Holstein calves to the prevailing climatic conditions at Pedro Leopoldo, Minas Gerais. (Por) *Minas Gerais, Univ. Fed. Escol. Vet. Arq.* 16: 19-95. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 2436 CHRISTIAN, R. E. The heritability of meat quality in beef cattle. *WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:* 163-164. 1965. 49.9 W27
- 2437 COZZI, P., IANNELLI, D., and DIQUATTRO, P. On some vital statistics in cows of Modica breed. *I. Prod. Anim.* 4(4):313-331. Ref. Dec. 1965. 49 P945
English summary.
In Italy.
- 2439 CUPPS, P. T. Breeds of dairy cattle. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p. 139-155. Ref. 1966. SF61.C6
- 2439 CURTO, G. M. SCOTTI, G. C. G., and OLIVETTI, A. Experimental studies on quantitative and qualitative characteristics of beef production of Chiana, Friuli-Simmental and Charolais young bulls raised in the Province of Siena (Tuscany). (It) *Zootec. Vet.* 20(5/6):104-113. May/June 1965. 41.8 Z7
English summary.
- 2440 DAMM, K. Central young bull rearing station in the study and experimental farm of Rade-gast. (Ge) *Tierzucht* 20(8):400-401. Aug. 1966. 49 T443
- 2441 DESAI, R. N., and BHASIN, N. R. Plan higher milk production through cross breeding. *Gosamvardhana* 14(3):21-25. June 1966. 43.8 G69
Chiefly cattle.
- 2442 DEVON CATTLE BREEDERS' SOCIETY. Davy's Devon herd book. Volume 88. Wivelis-combe, Somerset, 1965. 212 p. 43.9 D49
- 2443 EGOROVA, T. A. Estimating the quality of Black Pied Lowland bulls by their offspring. (Rus) *Irkutskaya Obl. S.-Kh. Opytn. St. Byul. Nauchno-Tekhn. Inform.* 2:54-62. 1964.
Not in Libr.
Effects on milk production.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:13. Aug. 1965.
Film S-205
- 2444 EHLERS, M. H. Current status of reproductive performance in cattle. *WSU (Washington State Univ.) Stockmen's Short Course; 13th Course:* 21-23. 1965. 49.9 W27
- 2445 FAUCON, A. Performance control [of cattle] in France. *French Stock-Breeding* 7:4-6. Winter 1965. 49 F88
- 2446 FERCEJ, J. Biki za osemenjevanje v Sloveniji [Bulls for breeding in Slovenia]. Ljubljana, Kmetijski Institut Slovenije, 1966. 68 p. 21.5 SL5
German summary.
- 2447 FERCEJ, J. Intenzivnost zreje sivo rjavih telic, mlecnost prvesnic in uporabnost prve laktacije za selekcijo na večjo mlecnost. [Breeding intensity of Brown Alpine heifers, milk production of the first generation and the utilization of first lactation in the breeding for higher milk production]. Ljubljana, Kmetijski Institut Slovenije, 1966. 21 p. Ref. 21.5 SL5
English summary.
- 2448 FERCEJ, J., and others. Jescost in prirasanje zive teze svetlo lisastih bikov [Feed intake and live weight gains of Yugoslavian Simmental bulls]. Ljubljana, Kmetijski Institut Slovenije, 1965. 24 p. 21.5 SL5
F. Zadavec, M. Erjavec, M. Juvan, and J. Resman, joint authors.
English summary.
- 2449 GAILLARD, A. The breed Brown Alpine. (Fr) *Ann. Agr.* 5:65, 67, 69, 71, 73-74. 1965/66. 17 An73
- 2450 GOEL, V. D., and BHALLA, R. C. Methods of control of fertility in cattle. *Gosamvardhana* 14(2):23-24. May 1966. 43.8 G69
- 2451 GORSKI, A. Arrangement of more important elements in the muscle cell of cattle of the Lowland Black-and-White breed and Red Polish breed, mountain variety. (Pol) *Wroclaw, Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 13:37-45. Ref. 1964, pub. 1965. 49.9 B75
English summary.
- 2452 GRAVES, C. N., LODGE, J. R., and SALISBURY, G. W. Metabolic end-products of anaerobic spermatozoan metabolism. *Nature [London]* 211(5046):308-309. Ref. July 16, 1966. 472 N21
Of bovine spermatozoa.
- 2453 GREEN, J. E. Profits in rearing vealers on cull cows. *Dairyfarming Dig.* 13(3):23-24. May/June 1966. 44.8 D143
Meat production, effects of breeding.
- 2454 GROOT, B. DE. The diagnosis of zygosity in bull twins by means of the discriminant function for body conformation. *Genetica* 36(3): 277-285. 1965. 442.8 G282
- 2455 GROSCLAUDE, F. The mode of inheritance of a "new" factor in cattle blood groups. (Fr) *Immunogenet. Lett.* 4(4):171-172. July 1966. 443.8 Im6
- 2456 GROTHE, P. Selection of the Black Pied breed in the German Federal Republic. (Fr) *Rev. Elevage* 21(8/9):35, 37-38. Aug./Sept. 1966. 49 B462
- 2457 HECKER, E. Status and development of Brown cattle breeding in Germany. (Ge) *Tierzuchter* 18(17):589-592, map. Sept. 5, 1966. 49 T445
- 2458 HEIDLER, W. Results of progeny testing for fattening performance and slaughter value in cattle. (Ge) *Arch. Tierzucht* 9(3):179-188. 1966. 49 Ar23
English summary.
- 2459 HOLL, C. Cattle breeding and research in Czechoslovakia at the beginning of the fourth Five Year Plan. (Ge) *Za Sotsialist. Sel'sko-khoz. Nauk.* 14(4):321-366. Ref. 1965. 44.8 Z1
English summary.
- 2460 HOLL, C. Growth and development of bulls from birth until the age of 14 months. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocinsna Vyroba* 39(5): 347-356. Ref. May 1966. 49.9 C33
English summary.
- 2461 HORN, A., and others. Examination of the proportion of udder production on R₁ cows belonging to the "Dairy Hungarian Spotted" crossbreeding structure. (Hu) *Kiserletegyi Kozlemenyek* 58/B(2):3-12. Ref. 1965, pub. 1966. 105.9 H89
A. Dunay, S. Bozo, and J. Dohy, joint authors.
English summary.
- 2462 HORVATH, M. Data on the fertility of high yielding cows. (Hu) *Magyar Allatorv. Lapja* 21(7):307-309. July 1966. 41.8 V644
English summary.

- 2463 HSUEH, T. W. Use of *Prunus persica* S. et Z. leaves for treatment of bovine acrobtyitis. (Ch) Chung-kuo Shou I Tsa Chih 4(1):20. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:11. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTL.
- 2464 HUMPHRIS, A. J. More beef from dairy farms. Dairyfarming Dig. 13(4):3-6. July/Aug. 1966. 44.8 D1443
Chiefly the effects of breeding, in Australia.
- 2465 HUTTENRAUCH, O. E. Versuche an Jungbullen über den Einfluss von Depotgestagenen auf Sexualverhalten und Ejakulatbeschaffenheit [Experiment on young bulls on the effect depot gestagens on sexual behavior and ejaculate quality]. Hanover, Tierarztl. Hochschule, Inaug.-Diss. 3, 76 p. 1966. 41.2 H19
Bibliography, p. 69-76.
- 2466 IVANOVA, V. V., and LYUBIMOV, I. I. Anatomic and morpho-physiological features of yak X cattle hybrids in ontogeny. (Rus) Kabardino-Balkarsk. Un-t. Uch. Zap. 21:133-138. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 53, Zhivotnovod. Vet. 15:3-4. Aug. 1965. Film S-205
- 2467 JAGACIC, N. Activity of the stock for artificial insemination and organized natural reproduction on territory of the Sisak district. (Se) Agron. Glas. 16(4/5):341-346. May 1966. 21.5 Ag64
Cattle.
- 2468 JENNER, M. Good results of cross-breeding of British breeds and Charollais. (It) Inform. Zootec. 13(3):91-94. Feb. 15, 1966. 49 In3
Chiefly in meat production.
- 2469 JERSEY CATTLE SOCIETY OF THE UNITED KINGDOM. Elite Register and Certificate of Merit for milk and butterfat production, 1965. London, 1966. 232 p. SF191.J4
- 2470 JOHNSON, K. R. Genetic improvement in dairy cattle. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 272-286. Ref. 1966. SF61.C6
- 2471 JONES, W. O. Spinal lesions induced by the electroejaculator. Tuskegee Vet. 9(2):60-61. Dec. 1965. 41.8 T87
In a bull.
- 2472 JUSZCZAK, J. The effect of inbreeding upon the use and breeding value of bulls. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:71-94. Ref. 1964, pub. 1965. 49.9 B75
English summary.
- 2473 KALE, S. N. Sterile and sub-fertile conditions in village cows and buffaloes. Gosamvardhana 14(2):3-7. May 1966. 43.8 G69
- 2474 KLING, W. Performance goal and selection methods of Brown cattle in Germany. (Ge) Tierzuechter 18(17):592-593, 596. Sept. 5, 1966. 49 T445
- 2475 KONONENKO, N. V., and others. Molochansk State Red Steppe Cattle Breeding Station and its role in the improvement of the Red Steppe breed. (Rus) Zhivotnovodstvo 7:42-48. July 1966. 49 Z6
I. I. Nesterenko, M. P. Gilevich, and A. A. Pedzikunova, joint authors.
- 2476 KUDLICKA, K., and HURDA, J. Comparison of the milk production of different cattle breeds under the conditions of combined housing in Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocinsna Vyroba 39(5):285-294. Ref. May 1966. 49.9 C33
English summary.
- 2477 LARCHIN, V. A. Effect of early maturing Kholmogor cattle on their milk and meat production. (Rus) Zhivotnovodstvo 7:80-81. July 1966. 49 Z6
- 2478 LARSEN, J. B., and others. Bulls versus steers. (Da) Denmark. Landkon. Forsogs-lab. Arb. 1965 (fall meeting):446-451. 49.9 D41
S. Klausen, E. Agergaard, E. Kirsgaard, and J. H. Frederiksen, joint authors.
Meat production.
- 2479 LEBEDEV, I. A. Increase of milk production and improvement of its quality are the major tasks of dairy cattle breeders. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:81-92. 1965. 281.9 M852
- 2480 LEDINEK, M. Cattle breeding in the Koruska region. (Sl) Soc. Kmetistvo Gozdarstvo 17 (6):127-129, map. Apr. 25, 1966. 21.5 S04
- 2481 LEIPNITZ, C. Freezing bull semen in pellet form: size of pellets. (Ge) Deut. Tierarztl. Wochenschr. 73(12):284-285. July 15, 1966. 41.8 D482
English summary.
- 2482 LENSCHOW, J. Proposition for using economical methods in cattle breeding and artificial insemination. (Ge) Tierzucht 20(8):396-398. Aug. 1966. 49 T443
- 2483 LINDHE, B. SRB-korsningar i kottproduktion; resultat fran 14 gardar [Milk production from SRB hybrids; results from 14 farms]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 90, 22 p. 1966. 11 Up62A
- 2484 LODOVICHI, L. Artificial insemination and consanguinity. (It) Inform. Zootec. 13(13):575-578. July 15, 1966. 49 In3
Of bulls.
- 2485 LUCIFERO, M. Chiana breed in an open stable. (It) Inform. Zootec. 13(7):289-293. Apr. 15, 1966. 49 In3
- 2486 LUPERTI, A. R. Birth of the National Association of Italian Beef Cattle Breeds [Associazione Nazionale delle Razze Bovine Italiane da Carne]. (It) Inform. Zootec. 13(12):523-525. June 30, 1966. 49 In3
- 2487 LYTTON, V. H., and LEGATES, J. E. Sire by region interaction for production traits in dairy cattle. J. Dairy Sci. 49(7):874-878. Ref. July 1966. 44.8 J822
- 2488 MADSEN, S. V. The Charolais breed gains ground; France has now more than 2.5 mill. animals. (Da) Tolvmandsbladet 37(11):545-548, map. Nov. 1965. 11 T58
- 2489 MARCETIC, P. A contribution to the study of the Montafon cattle breed under conditions of the AP Kosovo and Metohija. (Se) Stocarstvo 20(3/4):146-149. Mar./Apr. 1966. 43.8 S6
Chiefly measurements and milk production.
- 2490 MARTINI, R. DE. Artificial insemination; the most important instrument for the improvement of cattle raising. (It) Inform. Zootec. 13(12):541-543. June 30, 1966. 49 In3
- 2491 MATASSINO, D., BORDI, A., and GARGIULO, V. Comparison between young boars and barrows for meat production. (It) Prod. Anim. 4(3):193-215. Ref. Sept. 1965. 49 P945
English summary.
Effects of sex.
- 2492 MATASSINO, D., LIBEROTTI, G., and GATTI, L. Demographic aspects of a herd of Chiana breed. (It) Prod. Anim. 4(4):333-378. Ref. Dec. 1965. 49 P945
English summary.
In Italy.
- 2493 MATASSINO, D., and CAPRILLI, G. On some technical aspects of the service interval in cows of Marche breed. (It) Prod. Anim. 4(3):223-235. Sept. 1965. 49 P945
English summary.
In Italy.
- 2494 MILLER, W. J. Frequencies of blood groups in American Ayrshire and Brown Swiss cattle. Immunogenet. Lett. 4(4):192-195. July 1966. 44.8 Im6
- 2495 MOLINARI, G., SIMONETTA, R., and CHAPE-TON, M. R. The use of egg yolk diluent in the deep freezing of bovine semen; a comparison of the egg yolk diluent with other diluents. (It) Zootec. Vet. 20(7/8):162-168. July/Aug. 1965. 41.8 Z7
English summary.
- 2496 NATIONAL ASSOCIATION OF ANIMAL BREEDERS. Proceedings of eighteenth annual convention, of "better cattle for better living," Washington, D. C. August 22-25, 1965. n.p., 1965. 176 p. Ref. 43.9 N212

- 2497 NEDELOVA, S. Evaluation of the pedigree of young bulls of the Czechoslovak Red spotted and Red Danish cattle breeds for breeding purposes. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(6):369-384. Ref. June 1966. 49.9 C33
English summary.
- 2498 NEIMANN-SORENSEN, A., and JENSEN, B. Freezing of bull semen and breeding possibilities. (Da) Landbonyt 20(3):89-90, 92-94. Mar. 1966. 11 L2322
- 2499 NELSON, L. A., and MILLER, L. F. Reproductive performance of over-fat heifers. Cattleman 53(5):82, 78, 80, 82, 84. Oct. 1966. 49 C29
- 2500 NICHYK, B. A. Production types of Simmental cattle in the Ukraine. (Uk) Vysnyk Sil's'kohospodar. Nauk. 6:89-94. June 1965. 20 V82
English summary.
- 2501 NIELSEN, E., NIELSEN, A., and VESTH, B. Progeny testing of bulls. (Da) Denmark. Landkon. Forsogslab. Arb. 1965 (fall meeting): 473-493. 49.9 D41
- 2502 NIKITINA, M. O. Protein and solids-not-fat content of milk in relation to cow breeding by lines and families. (Uk) Vysnyk Sil's'kohospodar. Nauk 10:95-98. 1964. 20 V82
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:14-15. Sept. 1965. Film S-205
- 2503 PADDOCK, C. Arkansas Charolais Association. Ark. Cattle Bus. 2(9):9. Sept. 1966. 43.8 Ar43
- 2504 PANICHI, G. Two cases of seminal vesiculitis observed in the bull. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:285-300. Ref. 1965, pub. 1966. 41.9 P67
English summary.
- 2505 PAREZ, M. Treatment of trichomoniasis of bulls with 8595 R.P. (dimetridiazole). (Fr) Cah. Med. Vet. 35(3):147-158. May/June 1966. 41.8 C11
- 2506 PAVUNA, H., and SIMUNIC, B. Re-insemination of cows caused by the low quality of semen. (Se) Stocarsvo 20(5/6):169-178. Ref. May/June 1966. 43.8 St6
German summary.
- 2507 PETERSON, H. Cross breeding will become common practice. Ark. Cattle Bus. 2(9):10, 14. Sept. 1966. 43.8 Ar43
- 2508 PICCHI, A. Tests of cross-breeding in Tuscan for the production of slaughtering calves. (It) Inform. Zootec. 13(10):437-440. May 31, 1966. 49 In3
- 2509 PLUMMER, C. B. Bull care is important to herd. Fla. Cattleman Livestock J. 30(10):30, 32. July 1966. 43.8 F66
- 2510 POLICICCHIO, L., and PEIRONE, S. Comparison between Brown Alpine cows imported from northern Italy and born in Sila. (It) Prod. Anim. 4(4):379-387. Ref. Dec. 1965. 49 P945
English summary.
- 2511 POLLOCK, D. C. Best bulls produce better beef. Tex. Livestock J. 25(7):26. July 15, 1966. 49 T29
- 2512 PRESSENDA, F. Success of the Piedmont in the "Market Show" of Chivasso. (It) Inform. Zootec. 13(2):51-54. Jan. 31, 1966. 49 In3
- 2513 PRIBYL, J., KARASEK, V., and PICHA, J. Fattening of crossbred bulls of Red Danish and Czechoslovak Red Spotted cattle breed compared with the Czechoslovak Red Spotted cattle breed. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(5):333-346. Ref. May 1966. 49.9 C33
English summary.
- 2514 PRIBYL, J. Study of the shape of the thorax and of the milk production of the Czechoslovak Red Spotted cattle breed. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(6):385-392. June 1966. 49.9 C33
English summary.
- 2515 PUERTO RICO. UNIVERSITY. EXTENSION SERV. History of artificial insemination in Puerto Rico. (Sp) Puerto Rico. Univ. Ext. Circ. 64, 21 p. Sept. 1965. 279.29 P96C Ir Cattle.
- 2516 RABOLD, K., and CLAESSEON, O. Problem of selection for milkability in Brown cattle breeding. (Ge) Tierzuechter 18(17):596-598. Sept. 5, 1966. 49 T445
- 2517 ROSTOVTSYEV, N. F., and CHERKASHCHENKO, I. I. Commercial crossing of Ukrainian Red cattle with beef cattle. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:69-75. July 1966. 20 V633
English summary.
- 2518 SALERNO, A. Service to water buffaloes. (It) Prod. Anim. 4(4):309-312. Ref. Dec. 1965. 49 P945
English summary.
- 2519 SEIDEL, W. A. Let's hunt out potential greatness. Tex. Livestock J. 25(7):12. July 15, 1966. 49 T29
In bulls.
- 2520 SHORTHORN SOCIETY. Ninth list of progeny recorded Dairy Shorthorn bulls with contemporary comparisons. Thames Ditton, 1966. 17 p. 44.9 Sh8
- 2521 SHUM, S. R. Commercial cross-breeding of Alatau cows with Santa Gertrudis bulls. (Rus) Vestnik Sel'skokhoz. Nauk [Alma-Ata] 11:45-49. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:14. July 1965. Film S-205
- 2522 SIEBLITZ, and HECKER. The Brown cattle—a worldwide breed. (Ge) Tierzuechter 18(17): 586, 588-589. Sept. 5, 1966. 49 T445
Brown Mountain and its varieties.
- 2523 SKOLASINSKI, J., PIOTROWSKA, K., and MACHAJ, Z. Investigations on the growth of the Polish Black-and-White cattle. (Pol) Roczn. Nauk Roln. 87-B-4:463-486. Ref. 1966. 20.5 R59
English summary.
- 2524 SMALCELJ, I., and LJUBESIC, J. The effect of the populations of the German Simmental for breeding on the type of the Yugoslavian Simmental cattle breed in the Eastern Slovenia. (Se) Stocarsvo 20(5/6):191-200. May/June 1966. 43.8 St6
- 2525 SMERHA, J. The effect of crossbreeding with the Jersey cattle breed on the milk production of Montafon cattle breed. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(5):301-318. Ref. May 1966. 49.9 C33
English summary.
- 2526 STARTSEV, D. I. The pale-yellow Simmental cattle in the USSR. (Ge) Arch. Tierzucht. 9(3): 223-241. 1966. 49 Ar23
English summary.
- 2527 STEINBECK, F. G. H. Über die Samenübertragung beim Rind in Kanada unter besonderer Berücksichtigung des Einsatzes des Spermathegefrierverfahrens [Semen transfer of cattle in Canada with special emphasis on deep frozen semen methods]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 5, 61 p. 1965. 41.2 H198
Bibliography, p. 51-55.
- 2528 STOBBS, T. H. The introduction of Boran cattle into an E.C.F. [East Coast fever] endemic area. East Afr. Agr. Forest. J. 31(3):298-304. Jan. 1966. 24 Ea74
- 2529 STOYE, H. The influence of the thawing temperature on the quality of deep-frozen bull semen. (Ge) Deut. Tierarztl. Wochenschr. 73 (12):281-284. Ref. July 15, 1966. 41.8 D482
English summary.
- 2530 SYRSTAD, O. Studies on dairy herd records. III. Estimation of genetic change. Acta Agr. Scand. 16(1):3-14. Ref. 1966. 11 Ac82
- 2531 THAIN, R. I. Bovine infertility possibly caused by subterranean clover. Australian Vet. J. 42 (6):199-203. Ref. June 1966. 41.8 Au72
- 2532 TOPLIN, D. A., and TOPLINA, R. G. Characteristics of the bull lines of the Red Steppe breed in the Omsk Region. (Rus) Zhivotnovodstvo 7:48-52. July 1966. 49 Z6

- 2533 ULRYCH, A., VALKA, K., and SUCHANEK, B. The growth of Ayrshire and Swedish Red-and-White cattle breeds. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(5):357-368. May 1966. 49.9 C33
English summary.
- 2534 URBAN, F. Study of the meat production of crossbreeds of the F1 generation of the Czechoslovak Red Spotted and Dutch Friesian cattle breeds. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(5):319-332. Ref. May 1966. 49.9 C33
English summary.
- 2535 U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program. U. S. Agr. Res. Serv. ARS 44-163, 15 p. July 1966. A49.9 R31A
- 2536 VACHAL, J., and TESLIK, V. Study of the mutual relation between live weight and milk production of Czechoslovak Red Spotted cattle breed. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vytoba 39(5):295-300. May 1966. 49.9 C33
English summary.
- 2537 VAN VLECK, L. D. ABCs of breeding terms. Dairy Herd Manage. 2(8):30,32. Sept.1966. SF191.D3
- 2538 VOLCANI, R. Thirty years of artificial insemination of cattle in Israel. Refuah Vet. 22(2):115-117. June 1965. 41.8 R25
Text also in Hebrew.
- 2539 WAKEMAN, D. L. Buying bulls is year-round job for producer. Fla. Cattleman Livestock J. 30(10):26,28. July 1966. 43.8 F66
- 2540 WARWICK, E. J. Breeds of beef cattle. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.119-138. Ref. 1966. SF61.C6
- 2541 WARWICK, E. J. Genetic improvement in beef cattle. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.256-271. Ref. 1966. SF61.C6
- 2542 WILKE, A. Objective milkability testing of German Black Pied cattle. (Ge) Arch. Tierzucht 9(3):201-211. Ref. 1966. 49 Ar23
English summary.
- 2543 WILLIAMS, R. E. The economical value of pregnancy diagnosis. Kans. Stockman 51(11):24-25. Sept.1966. 49 K134
Cattle.
- 2544 WILLIAMS, S. Cattle breeding; improvement means change. 2. Beef Sheep Farming 2(4):13. July/Aug.1965. 43.8 B392
Great Britain.
- 2545 WILSON, L. L., and others. Beef performance testing—questions and answers. Purdue U. Ind. Agr. Ext. Mimeo AS-331,4 p. July 1965. 49.9 In23
K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.
Records on production in the breeding herd.
- 2546 WILSON, L. L., and GARRIGUS, R. What are production records worth? Purdue U. Ind. Agr. Ext. Mimeo AS-338,3 p. Feb.1966. 49.9 In23
Beef cattle breeding.
- 2547 YARKIN, I. On the Grey Steppe cattle in various districts of Turkey. (Ge) Ankara Univ. Fac. Agr. Yearbook 1964:17-31. Ref. 1965. 25 An42
- 2548 ZIEMINSKI, R. The connection between milk efficiency and the fat contained in it in cows of the Lowland Black-White breed in Koszalin voivodship. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:67-72. 1964. pub.1965. 49.9 B75
English summary.
- 2549 ZIEMINSKI, R. The length of lactation in cattle of Lowland Black-White breed in Koszalin and Szczecin voivodship. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:95-99. 1964, pub.1965. 49.9 B75
English summary.
- 2550 ZUK, B., and NOWICKI, B. Interdependence of some genetic parameters of parents and the productivity of progeny. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:9-13. 1964, pub.1965. 49.9 B75
English summary.
Of cattle.
- 2551 ZURKOWSKA, K. Investigations on the protein and fat content in milk of Polish White-and-Black cows. (Pol) Roczn. Nauk Roln. 87-B-4:487-504. Ref. 1966. 20.5 R59
English summary.
- Feeds and Feeding
- 2552 ALTONA, R. E. Urea and biuret as protein supplements for range cattle and sheep in Africa. Outlook Agr. 5(1):22-27. Ref. 1966. 10 Ou8
Republic of South Africa.
- 2553 ANDERSEN, P. E., and LYEKEA, J. Grain versus beets. (No) Denmark Landokon. Forsogslab. Arb. 1965(fall meeting):437-440. 49.9 D41
For fattening of skim milk fed calves.
- 2554 BABIN, YA. A., and CHURIKOV, V. N. Effect of zinc and iodine salts in bull feed on their blood and sperm indices. (Rus) Khim. Sel'skom Khoz. 4(4):43-45. Apr.1966. 365 K524
- 2555 BAKER, J. P. Winter feeding of range cattle. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:17-20. 1965. 49.9 W27
- 2556 BAKER, L. A. Knowing our bovine factory. DK. Vet. Econ. 7(6):54-57. June 1966. 31.8 V6458
Proper nutrition for dairy cattle; includes role of veterinarian.
- 2557 BAKER, L. A. A word about economics. VI. Vet. Econ. 7(3):52,54,56,58,61. Mar.1966. 41.8 V6458
Feed formulas for the dairy cattle, nutritive value of feeds and the role of the veterinarian.
- 2558 BARNES, D. L. A stocking-rate trial in the Rhodesian high-altitude sandveld. Rhodesia Zambia Malawi J. Agr. Res. 3(2):101-107. July 1965. 24 R3472
Afrikaner steers.
- 2559 BEDO, S. Influence of feeding milk at different levels on metabolism of young calves. (Hu) Kiserleltugyi Kozmenyek 58/B(1):3-21. Ref. 1965, pub.1966. 105.9 H89
English summary.
- 2560 BEE, R. The proof of the vacuum silage pudding. Great Brit. Min. Agr. Fish. Food. Agr. 73(7):326-328. July 1966. 10 G79J
For beef cattle feeding.
- 2561 BERGSMAN, L. We're feeding more cattle; it has become major segment of cattle industry today. West Tex. Today 47(6):6-7, map. Aug. 1966. 286.8 W522
- 2562 BERNARDINI, G. Rationing of calves reared for meat production. (It) Inform. Zootech. 13(2):55-57. Jan.31,1966. 49 In3
- 2563 BLAIR, J. Southwest feedlots expand, but water presents problems. Feedstuffs 38(36):48-49. Sept.10,1966. 286.81 F322
Cattle.
- 2564 BLAXTER, K. L., CLAPPERTON, J. L., and WADMAN, F. W. Utilization of the energy and protein of the same diet by cattle of different ages. J. Agr. Sci. [London] 67(1):67-75. Ref. Aug.1966. 10 J822
Steers in Scotland.
- 2565 BORGIOLO, E., and BONSEMBIANTE, M. A new industrial feed, the protein concentrate of sugar beets, and its application in cattle feeding. 16 p. (TT 63-16163) Transl. 16036
Translation from Agricoltura delle Venezie Nov./Dec.1957:594-608.
Issued by CFSI.
- 2566 BROWN, P. B. Feeding beef cattle. Gulf Coast Cattleman 32(7):6-8. Sept.1966. 43.8 G95

- 2567 BROWN, P. B., and others. New sources of protein tested for beef cattle. *La. Agr.* 9(4):3, 16. Summer 1966. 100 L939
- 2568 S. L. Hansard, D. M. Thrasher, and G. L. Robertson, joint authors.
Diammonium phosphate and urea.
- 2569 BROWNING, C. B., and LUSK, J. W. Influence of maturity at harvest on yield and quality of grain sorghum silage. *Miss. Agr. Exp. Sta. Inform. Sheet* 900, 2 p. July 1966. 100 M69In
For feeding dairy cattle.
- 2569 BROWNING, C. B., and MCGEE, W. H. Summer pastures for yearling dairy heifers. *Miss. Agr. Exp. Sta. Inform. Sheet* 929, 2 p. Apr. 1966. 100 M69In
- 2570 CAMPLING, R. C. The control of voluntary intake of food in cattle. *Outlook Agr.* 5(2):74-79. Ref. 1966. 10 Ous
- 2571 CARDON, B. P. High-energy beef fattening rations. *Merck Agr. Memo* 10(3):6-7. Winter 1965/66. 41.8 M53
- 2572 CARNEIRO, G. G., and others. Weight gains of Guzerat calves supplementally fed during the second half of the dry season and pastured on Jaraguá grass during the rainy season. (Por) *Minas Gerais. Univ. Fed. Escol. Vet. Arq.* 16:255-264. Ref. 1964, pub. 1965. 41.9 M62
J. M. P. Memoria, V. A. Garwood, and J. R. Torres, joint authors.
English summary.
- 2573 CARRAZZONI, J. A., and DORSI, J. Alternate feeding for dairy cows. (Sp) *Rev. Med. Vet. [Buenos Aires]* 47(1):1-10. Jan./Feb. 1966. 41.8 B86
A system similar to restricted feeding; includes formulas.
- 2574 CASTILLO, L. S. Force-feeding of concentrates and diethylstilbestrol in fattening Batangas cattle. *Philippine Agr.* 49(4):235-247. Ref. Sept. 1965. 25 P542
- 2575 CHALUPA, W., BRANNON, C. C., and CONLEY, C. Hybrid sorghum and pearl millet as supplemental grazing crops for dairy cattle. *S. C. Agr. Exp. Sta. Bull.* 526, 14 p. Ref. July 1966. 100 S08
- 2576 CHANDRA, K. Sugarcan leaves as fodder. *Gosamvardhana* 14(3):11-12. June 1966. 43.8 G69
For cattle and buffaloes.
- 2577 CHAPMAN, H. L. Innovation in feeding highlighted: feed utilization improved. *Fla. Cattleman Livestock J.* 30(10):46, 48, 50, 52-53, 80. July 1966. 43.8 F66
- 2578 CHOMYSZYN, M., and others. The effect of feeding dried sugar beet pulp supplemented with ammonium lactate on the quality of milk. (Pol) *Rocz. Nauk Roln.* 88-B:1-1-10. 1966. 20.5 R59
A. Ziotecka, J. Mazurkiewicz, and J. Kowalczyk, joint authors.
English summary.
Of cattle.
- 2579 CONNOLLY, B., and CODY, O. H. Early weaning and calf health. *Irish Vet. J.* 19(11):205-208. Nov. 1965. 41.8 Ir4
- 2590 CROWLEY, J. W. Corn is popular in dairy rations. *Hoard's Dairyman* 111(18):1090. Sept. 25, 1966. 44.8 H65
- 2581 DEDECKOVA-SALOVA, J. The effect of a higher standard of nutrition of heifers 6 to 12 months old after a preceding period of a lower standard of nutrition on conversion. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(6):393-402. Ref. June 1966. 49.9 C33
English summary.
- 2592 DOUTRE, J. L. Vacuum silage for beef cattle and sheep. *Massey Univ. Manawatu. Sheep-farming Ann.* 1965:153-162. 45.9 M383
New Zealand.
- 2583 DUNLOP, R. H., BEACON, S., and RADOSTITS, O. M. Rumen overload—what happens—how to avoid it—how to treat it. *Can. Cattlemen* 29(9):10-11, 58-59. Sept. 1966. 49 C16
Feeding and care.
- 2584 DYER, I. A. Balancing rations and feeding for maximum profits. *WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:* 133-137. 1965. 49.9 W27
Of beef cattle.
- 2585 FARMA, F. Nutritional balance of the typical Bergamini [dairy cow] of Cremona. (It) *Zootec. Vet.* 20(5/6):114-125. May/June 1965. 41.8 Z7
- 2586 FLORITO, G. Raising with intensive systems. (It) *Agr. Napoletana* 33(1/2):12-23. Jan./Feb. 1966. 16 Ag8268
Beef cattle feeding.
- 2587 FORNAROLI, D., MONCIARDINI, R., and CALZAROSSA, P. Differentiated nutrition at different phases of body growth of cattle. (It) *Zootec. Vet.* 20(9/10):224-229. Sept./Oct. 1965. 41.8 Z7
English summary.
- 2589 FREDERIKSEN, J. H. Cattle on pastures; feed value and utilization of grass. (Da) *Landsbynt* 20(5):181-186. May 1966. 11 L2322
- 2589 FREDERIKSEN, J. H., and AGERGAARD, E. Observations on the preference of dairy cattle for various grass varieties. (No) *Denmark. Landokon. Forsogslab. Arb.* 1965(fall meeting):406-407. 49.9 D41
- 2590 FREDERIKSEN, J. H., and KLAUSEN, S. Preference of cattle for silage prepared from various grasses. (No) *Denmark. Landokon. Forsogslab. Arb.* 1965(fall meeting):366-367. 49.9 D41
- 2591 GARNOWSKI, K., and JUSZCZAK, J. The use of post-laminal way for feeding heifers. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 12:73-79. 1964, pub. 1966. 49.9 B75
English summary.
- 2592 GOODE, L. Pastures for yearling beef cattle in Piedmont North Carolina. *N. C. Agr. Exp. Sta. Tech. Bull.* 428, 22 p. June 1966. 100 N81
- 2593 GORDON, C. H., DERBYSHIRE, J. C., and HUMPHREY, J. L. The value of mature corn for silage. *U. S. Agr. Res. Serv. ARS* 44-176, 6 p. May 1966. A49.9 R31A
Cattle and sheep.
- 2594 GORSKA, I., and GORSKI, A. The influence of feeding upon the histological structure of calves' skin. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 13:213-225. 1964, pub. 1965. 49.9 B75
English summary.
- 2595 GREENHALGH, J. F. D., and others. The effects of grazing intensity on herbage consumption and animal production. I. Short-term effects in strip-grazed dairy cows. *J. Agr. Sci. [London]* 67(1):13-24. Ref. Aug. 1966. 10 J322
G. W. Reid, J. N. Aitken, and E. Florence, joint authors.
Effects on milk production in Scotland.
- 2596 GREGOROVIC, V., JAZBEC, I., and SKUSEK, F. The effect of deficiency of minerals on health, production and reproduction of dairy cattle in Slovenia. (Sl) *Soc. Kmetijsvo Gozdarstvo* 17(3):54-55. Feb. 24, 1966. 21.5 S014
- 2597 GREB, G. A contribution to vitamin A and carotene content in milk and their conditions when changing to pasturing. (Ge) *Agr. Tier-zucht* 9(3):189-200. Ref. 1966. 49 Ar23
English summary.
- 2598 HART, E. Thinking big on beef. *Beef Sheep Farming* 3(7):4, 16. Sept. 1966. 43.8 B392
Effects of feeding and housing on meat production, in Great Britain.
- 2599 HARTE, F. J. Calf rearing in winter time. *Farm Res. News.* 6(5):103-105. Sept./Dec. 1965. 10.5 F223
Feeding in Ireland.
- 2600 HEINEMANN, W. W. Wintering stockers and calves. *WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:* 155-157. 1965. 49.9 W27
- 2601 HILL, J. R., and WOODS, S. G. Summer pasture grasses for beef cows in the Coastal Plains. *S. C. Agr. Exp. Sta. Circ.* 146, 6 p.-folder. July 1966. 100 S08
Bahlagrass and bermudagrass.

- 2602 HOFFMANN, M. Results of experiment in the use of Crambe extract grit in young bull feeding. (Ge) Tierzucht 20(8):435-438. Aug. 1966. 49 T443
Crambe abyssinica.
- 2603 HOLZSCHUH. Economical summer feeding. (Ge) Tierzucht 20(8):393-395, 445-446. Aug. 1966. 49 T443
Cattle.
- 2604 JAGACIC, N. Contribution of the Agricultural and veterinary station [Poljoprivredna i veterinarska stanica] at Sisak to the cooperative feeding of calves. (Se) Stocarstvo 20(3/4):73-79. Mar./Apr. 1966. 43.8 St6
- 2635 JOHANSEN, H., SORESENSEN, M., and ANDERSEN, P. E. Clover pellets versus alfalfa pellets. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):379-382. 49.9 D41
Dairy cattle feeding.
- 2636 JOHANSEN, H., and SORESENSEN, M. Corn gluten pellets for cows on pasture. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):399-402. 49.9 D41
Effects on milk production.
- 2607 JOHANSEN, H., SORESENSEN, M., and ANDERSEN, P. E. Ensilaged versus dried sugar beet waste. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):389-392. 49.9 D41
Effects on dairy cattle milk production.
- 2638 KARAGJOZOV, M. Mastleistung und Schlachtkorperwert von Deutschen Schwarzbunten sowie von Rassen und Kreuzungen verschiedener Nutzungsrichtung unter Einfluss verschiedener Mastmethoden [Fattening performance and carcass value of German Black Pied as well as races and crossings of various utilization types under the influence of various feeding methods]. Max-Planck Inst. Tierzucht Tierernahr. Schriftenreihe 26, 125 p. 1966. 49.9 M45
Bibliography, p. 110-125.
- 2639 KAUFMANN, H. P., and MANKE, A. The composition of animal organ and depot fats in relation to feed. III. Gas-chromatographic analysis of fats from calves after definite feed. (Ge) Fette, Seifen, Anstrichmittel 68(8):645-650. Aug. 1966. 384 C422
English summary.
- 2610 KAVKA, R. P. The effect of alternate feeding on calf development, metabolism of nitrogen, calcium, and phosphorus, and subsequent milk production. (Rus) Korma i Kornlenie S.-Kh. Zhivotnykh 1:50-59. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:3-4. July 1965. Film S-205
- 2611 KING, J. O. L. Feeding problems arising from intensive animal production; milk and barley beef production. Vet. Rec. 78(26):902-906. Ref. June 25, 1966. 41.8 V641
In Great Britain.
- 2612 KNOX, J. W., and OAKES, J. Y. Wintering stocker calves at the Red River Station. La. Agr. 9(4):12-13. Summer 1966. 100 L939
- 2613 KOLJAJIC, V., and ZEREMSKI, D. The substitution of the corn by the dry sugar beet pulp in the rations for fattening young cattle. (Se) Stocarstvo 20(5/6):225-230. Ref. May/June 1966. 43.8 St6
English summary.
- 2614 KOVACIC, M., and HORVAT, M. Economics of feeding cattle and of milk production. (Sl) Nov. Kmetijstvo Gozdarstvo 16(16):386-387. Nov. 18, 1965. 21.5 So14
- 2615 KUHIL, W., and KORELESKI, J. The effect of phosphoric acid, defluorinated superphosphate and feed phosphate precipitate on the absorption of phosphorus in growing steers. (Pol) Roczn. Nauk Roln. 88-B-2:137-145. Ref. 1966. 20.5 R59
English summary.
- 2616 KUSHWAHA, J. S., and CHAUHAN, G. S. It pays to grow guar for fodder. Gosamvardhana 14(2):8-9. May 1966. 43.8 G69
Cattle.
- 2617 LARSEN, J. B. Beets tops for milk cows. (Da) Landbonyt 20(9):297-298, 300. Sept. 1966. 11 L2322
- 2618 LARSEN, J. B., and others. Clover pellets versus feed concentrates. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):415-419. 49.9 D41
S. Klausen, S. P. Konggaard, and E. Kirsgaard, joint authors.
Effects on meat production of young cattle.
- 2619 LARSEN, J. B., and others. Digestibility trials with grasses in pure stands. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):456-460. 49.9 D41
J. H. Frederiksen, S. Klausen, and S. P. Konggaard, joint authors.
Silage, hay and pellets in dairy cattle feeding.
- 2620 LARSEN, J. B., and others. Fat requirements in milk production. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):343-356. 49.9 D41
S. Klausen, J. H. Frederiksen, E. Agergaard, C. Svendsgaard, M. Sorensen, and P. E. Andersen, joint authors.
- 2621 LARSEN, J. B., and KIRSGAARD, E. Grain versus concentrate. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):440-445. 49.9 D41
For fattening of skim milk fed calves.
- 2622 LARSEN, J. B. Production of meat by young bulls. (Da) Tolvmandsbladet 38(6):329-331. June 1966. 11 T58
Chiefly feeding.
- 2623 LARSEN, J. B., FREDERIKSEN, J. H., and KIRSGAARD, E. Sugar beets versus beets. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):434-437. 49.9 D41
For fattening of skim milk fed calves.
- 2624 LARSEN, J. B., and others. Supplement of hay and sodium bicarbonate to cows with low fat percentage. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):368-370. 49.9 D41
S. Klausen, E. Agergaard, and C. Svendsgaard, joint authors.
- 2625 LARSEN, J. B., and others. Supplementary feed for dairy cattle on pastures. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):393-395. 49.9 D41
S. Klausen, J. H. Frederiksen, C. Svendsgaard, and S. P. Konggaard, joint authors.
- 2626 LARSEN, J. B. Sweet milk substitutes. (Da) Landbonyt 20(3):85-88. Mar. 1966. 11 L2322
For calves.
- 2627 LARSEN, J. B., KLAUSEN, S., and AGERGAARD, E. Trials with cattle herds kept indoors all year round and with different feed rations. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):404-405. 49.9 D41
- 2628 LEDGER, H. P., and MCQUEEN, M. The economic background to the stall feeding of beef cattle in East Africa. East Afr. Agr. Forest J. 31(1):35-39. July 1965. 24 Ea74
Kenya.
- 2629 LESNIKOVA, K. A. Comparative efficiency of whole milk substitute and mixed plant feed in rearing suckling calves. (Rus) Zhivotnovodstvo 7:79-80. July 1966. 49 Z6
- 2630 LINDLEY, C. E., and others. Frequency of feeding beef cows. Miss. Agr. Exp. Sta. Inform. Sheet 911.1 p. Dec. 1965. 100 M691
G. Howse, W. A. Pund, and O. A. Valentine, joint authors.
- 2631 LUDEMANN, F. Feed silage to those cattle. Farming S. Afr. 42(4):49.51-52, 54. July 1966. 24 So842
Beef and dairy cattle.
- 2632 LYKKEAA, J., and ANDERSEN, P. E. Continued fattening of milk fed calves. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):429-430. 49.9 D41
- 2633 LYKKEAA, J., and ANDERSEN, P. E. Soybean meal versus herringmeal in feed mixtures (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):445-448. 49.9 D41
Feeding of fattening calves.
- 2634 LYKKEAA, J., and ANDERSEN, P. E. Supplement of minor elements. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):432-434. 49.9 D41
Skim milk fed calves.

- 2635 LYKKEAA, J., and ANDERSEN, P. E. Varying amounts of water for milk fed calves. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):430-432. 49.9 D41
- 2636 MACDONALD, K. G. Forage utilization guidelines for beef cattle. Purdue U. Ind. Agr. Ext. Mimeo AS-335,7 p. Nov.1965. 49.9 In23 Rations.
- 2637 MAHANTA, K. C. Trace elements and the health of your cattle. Gosamvardhana 14(3):6-9. June 1966. 43.8 G69
In cattle nutrition.
- 2638 MCCARRICK, R. B. Research in silage making and feeding. Farm Res. News 6(3):67-69. May/June 1965. 10.5 F223
Cattle in Ireland.
- 2639 MILLER, W. J., and CLIFTON, C. M. Coastal bermudagrass silage vs hay for dairy cows. Ga. Agr. Res. 7(4):4-5. Spring 1966. 100 G295
- 2640 MODYANOV, A. V. The effectiveness of enriching corn silage for dairy cattle and sheep with urea and ammonium sulfate. 9 p. Transl. 15237
Translation from Vsesoyuznoe Soveshchaniye po Proizvodstvu Kukuruzu 1960:470-481. 1961.
- 2641 MONTGOMERY, G. A. South steps up feeding pace. Feedlot 8(10):16-18,90. Oct.1966. 43.8 F32
Southeastern States.
- 2642 MOORE, L. A. Recent developments in dairy cattle nutrition. Ark. Formula Feed Conf. Program 1965:12-23. Ref. 389,79 Ar42
- 2643 MORRISON, E. G., COATS, R. E., and GILL, W. J. Brown Loam [Branch Experiment Station] winter grazing test on high fertility and supplementary feeding. Miss. Agr. Exp. Sta. Inform. Sheet 901,2 p. Aug.1965. 100 M69In Calves.
- 2644 MURDOCK, J. C. Grass silage. Outlook Agr. 5(1):17-21. Ref. 1965. 10 Ous
Preparation for cattle and sheep feeding in Great Britain.
- 2645 MUSANGI, R. S. The influence of supplementary feeding and grazing restriction on the voluntary intake of roughages and liveweight gain by beef cattle. East Afr. Agr. Forest. J. 31(3):271-275. Ref. Jan.1966. 24 Ea74
Great Britain.
- 2646 MYLREA, P. J. Digestion of milk in young calves. I. Flow and acidity of the contents of the small intestine. Res. Vet. Sci. 7(3):333-341. Ref. July 1966. 41.8 R312
Chiefly Guernsey breed, in Australia.
- 2647 NAMIOTKIEWICZ, L., and others. Use of the antibiotic nisin in feeding calves with reduced doses of milk. (Pol) Roczn. Nauk Roln. 83-B-2. 147-160. Ref. 1966. 20.5 R59
E. Lipinska, J. Bogatko, and H. Namiotkiewicz, joint authors.
English summary.
- 2648 NECHIPURENKO, L. I., and BOBROVA, O. A. The effect of vitamin "D" on the growth of males and females. (Rus) In Stanovlenie Endokrin. Funktsii v Ontogeneze 1964:139-143. Not in Libr.
New-born calves.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:11. July 1965. Film S-205
- 2649 NEIMANN-SORENSEN, A., and others. Addition of amino acids to sweet milk substitutes. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):419-425. 49.9 D41
J. B. Larsen, S. Klausen, E. Kirsgaard, and J. Pietrowski, joint authors.
Calf feeding.
- 2650 NEPILY, V. Pasture as most economic method of feeding cattle. (Cz) Ekon. Zemedelstvu 5(6):156-158. June 1966. 281.8 Ek7
- 2651 NIELSEN, A. Meat quality after feeding with roughage and feed concentrates. (Da) Tolvmadsbladst 38(6):332-337. June 1966. 11 T58
Baby beef and veal.
- 2652 O'DONOVAN, D. J. Urea; a cheap source of protein for ruminants. Farm Res. News 6(6):141-143. Nov./Dec.1965. 10.5 F223
Cattle and sheep in Ireland.
- 2653 PASSEDOUET, H., ANTOINE, R., and LOISEAU, B. New prospects in animal nutrition: the sucroglycerides. (Fr) Indus. Aliment. Agr. 83(6):715-724. Ref. June 1966. 383 As7
English summary.
Tests on beef calves.
- 2654 PAVLICEVIC, A., and MILOSEVIC, M. Comparative tests of the value of different starters in the nutrition of calves. (Se) Stocarstvo 20(5/6):209-215. Ref. May/June 1966. 43.8 St6
English summary.
- 2655 PAVLICEVIC, A., and ZEREMSKI, D. The effectiveness of veal production by fattening calves of the Red Danish cattle breed. (Se) Stocarstvo 20(3/4):127-135. Ref. Mar./Apr. 1966. 43.8 St6
English summary.
- 2656 PERRY, T. W. Injectable vitamin A in cow-calf operations. Merck Agr. Memo 11(1):3,7. Spring 1966. 41.8 M53
- 2657 PIRUMOV, S. S. The effect of supplemental cobalt feed on the mineral metabolism of calves. (Arm) Armenian SSR. M-vo Proiz-va i Zagotovok 5-Kh. Produktov ArmSSR. Izv. 11/12:255-260. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:8. Aug.1965. Film S-205
- 2658 PRES, J. Utilization of nitrogen in young cattle of Lowland Black-White breed with different levels of energy in the forage. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:105-127. Ref. 1964, pub.1965. 49.9 B75
English summary.
- 2659 PROTO, V., and LANDI, E. Meat production experiment with water buffaloes. (It) Prod. Anim. 4(3):237-242. Sept.1965. 49 P945
English summary.
Effects of feeding.
- 2660 RALSTON, A. T., TAYLOR, N. O., and KENRICK, W. H. The effect of feed grain preparation upon feedlot performance and carcass characteristics of steers. Oreg. Agr. Exp. Sta. Spec. Rep. 221,5 p. Sept.1966. 100 Or3M
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 2661 RALSTON, A. T., and DAVIDSON, T. P. Variations in steer performance and carcass characteristics due to hay quality and/or preparation. Oreg. Agr. Exp. Sta. Spec. Rep. 222,7 p. Sept. 1966. 100 Or3M
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 2662 RANDEL, P. F. A comparison of whole milk vs. milk-replacer and of weaning at 6 or 9 weeks in raising dairy calves. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 198,19 p. Ref. May 1966. 100 P83
- 2663 RAY, M. L. Effect of method of getting yearling steers on full feed. Ark. Farm Res. 15(3):2. May/June 1966. 100 Ar42F
Rations.
- 2664 RAY, M. L. How feeding method affects steer gains. Feed Bag 42(9):3,10. Sept.1966 389,78 F32
- 2665 RILEY, P. W. Nutrition management in the Southwest's cattle feeding industry. Feedstuffs 38(29):18-20,50. July 23,1966. 286.81 F322
Feed nutritive value and costs.
- 2666 ROUX, A. Animal feeding industry examines itself on meat production. (Fr) Rev. Elevage 21(8/9):45-46,49,51,53. (Cont.) Aug./Sept.1966. 49 B462
Chiefly cattle.
- 2667 SEALE, M. E. Rapeseed meal on the menu. Can. Cattlemen 29(10):57. Oct.1966. 49 C16
- 2668 SELSFORD, I. Young cattle on mountain pasture. (No) Forsk. Forsk. Landbruket 17(2):117-122. 1966. 11 F772
English summary.
Weight increase.
- 2669 SEMIN, V. N. Nutritive value of sunflower meal. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:137-141. July 1966. 20 V633
Beef cattle.

- 2670 SENFT, W. No grassland farm without silage tanks! (Ge) *Forderungsdienst* 14(2):40-42. Feb. 1966. 19 F75
Advantages of silage for dairy cattle, including labor saving in Austria.
- 2671 SOBCZAK, Z. Results obtained by feeding cattle with sugar beet pulp treated with ammonia. (Pol) *Gaz. Cukrownicza* 73(9):216-218. Sept. 1965. 66.8 G25
Effects on meat and milk production.
- 2672 SORENSEN, M., and ANDERSEN, P. E. Clover pellets versus feed concentrates. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting): 370-379. 49.9 D41
Effects on milk yields.
- 2673 SORENSEN, M., and ANDERSEN, P. E. Corn gluten pellets versus feed concentrate. (No) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):396-399. 49.9 D41
Dairy cattle feeding.
- 2674 SORENSEN, M., ANDERSEN, P. E., and JOHANSEN, H. Herd trials with clover pellets. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):383-389. 49.9 D41
Effects on fertility and health of dairy cattle.
- 2675 STANLEY, R. W., and MORITA, K. Effect of level of roughage feeding and physical form of roughage fed to lactating cows on milk production and milk constituents. *Hawaii Farm Sci.* 14(4):6-8. Oct. 1965. 100 H314
- 2676 STODDARD, G. E. How important is the calcium:phosphorus ratio? *Dairy Herd Manage.* 2(8):16-17, 24. Sept. 1966. SF191.D3
In dairy cattle nutrition.
- 2677 STUTTS, S. The VII-A-Way story. N. Mex. Stockman 31(2):13-19. Feb. 1966. 49 N462
Vitamin-mineral supplement used in feed for beef cattle; includes processing of the feed.
- 2678 THOMAS, C. A. Spent lemon grass an ideal roughage for dairy cattle. *Gosamvardhana* 14 (3):32. June 1966. 43.8 G69
- 2679 THOMAS, J. W. Protein-kinds and amount to feed to dairy cattle. *Feedstuffs* 38(40):58-61. Oct. 8, 1966. 286.81 F322
- 2680 THOMPSON, G. Leys and dairying in the Natal Midlands. *Farming S. Afr.* 42(4):26-28. July 1966. 24 S6842
- 2681 THRASHER, D. M. High-concentrate rations for fattening cattle. *Gulf Coast Cattleman* 32 (8):6, 8. Oct. 1966. 43.8 G95
Louisiana.
- 2682 TILLMAN, A. D. Recent developments in beef cattle nutrition. *Ark. Formula Feed Conf. Program* 1965:45-66. Ref. 389.79 Ar42
Includes the utilization of urea.
- 2683 TOCCHINI, M., and GERI, G. Research on two systems of weaning and feeding of calves for fattening. (It) *Aliment. Anim.* 10(8/9):345-360. Aug./Sept. 1966. 389.78 AL4
English summary.
- 2684 TOULLEC, R., and RIGAUD, J. Influence of the source of energy of a ration on the composition of adipose stores in pre-ruminating fattening calves. (Fr) *Rev. Franc. Corps. Gras* 13(8/9):535-541. Ref. Aug./Sept. 1966. 307.8 R32
English summary.
- 2685 TRELA, S., KRELOWSKA, M., and KUHLE, W. An attempt to increase the utilisation of nitrogen in fodder mixture by the use of silage made with urea and ammonium sulphate. (Pol) *Krakow, Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 7:101-117. Ref. 49.9 K852
English summary.
Fed to cows.
- 2686 VALSECCHI, A., and GARGANO, D. Feeding experiment in calves. (It) *Prod. Anim.* 4(3): 217-222. Sept. 1965. 49 P945
English summary.
In Italy
- 2687 VANDERSALL, J. H., and HEMKEN, R. W. How about corn silage as the only forage? *Dairy Herd Manage.* 2(8):10-12. Sept. 1966. SF191.D3
Nutritive value.
- 2688 VAN ZYL, J. L. Essential requirements for increased beef production. *Agrekon* 5(3):17-21. July 1966. 281.3 Ag835
Improved feeding and breeding and intensive finishing.
- 2689 VITAI, MRS. I. Feeding with granulated carbamide. (Hu) *Megyar Mezőgazdaság* 21(27): 20. July 6, 1966. 19 M27
Cattle.
- 2690 WHEATON, H. N., and WILSON, L. L. Managing tall fescue for the beef cow herd. *Purdue U. Ind. Agr. Ext. Mimeo* AS-339, 4 p. Feb. 1966. 49.9 In23
- 2691 WHITLOCK, R. Is pelleting worth while? *Farm Mech.* 18(204):44-45. Aug. 1966. 58.8 B772
Cattle feeding.

Veterinary Medicine

- 2692 ABADIEFF, W., and others. Intoxications in cattle due to the feeding of malt grains containing fungi. (Ge) *Monatsh. Veterinarmed.* 21(12):452-458. June 15, 1966. 41.8 M742
H. J. Bar, J. Beyer, W. Ehrentraut, K. Elze, W. Fritzsche, W. Leipnitz, K. Lindner, R. Neundorff, H. Pamdordf, W. Priboth, K. F. Schuppel, P. Stolzenburg, M. Ulbrich, and O. Voigt, joint authors.
English summary.
- 2693 ABBASOV, I. B. Structure and innervation of the cornea and sclera of buffaloes and cattle in ontogeny. (Rus) *Azerb. Un-t. Ser. Biol. N.* Uch. Zap. 1:55-60. 1965. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:3. Sept. 1965. Film S-205
- 2694 ACCARDI, F. The digestive apparatus of the calf. (It) *Riv. Zootec.* 39(7/8):383-394. Ref. July/Aug. 1966. 49 R52
- 2695 ADAMS, R. R., and TURNER, L. E. Internal technique for correction of prolapsed vagina in cattle. *Tuskegee Vet.* 9(1):31-32, 39-40. June 1965. 41.8 T87
- 2696 AKHMETOV, I. Z. Effect of high temperature and isolation on the biochemical components of blood and milk of lactating cows. (Rus) *Uz. Biol. Zhur.* 6:28-31. 1964. 442.3 U21
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:2. July 1965. Film S-205
- 2697 ALLISON, M. J., BUCKLIN, J. A., and ROBINSON, L. M. Importance of the isovalerate carboxylation pathway of leucine biosynthesis in the rumen. *Appl. Microbiol.* 14(5):807-814. Ref. Sept. 1966. 448.3 Ap5
Rumen of cattle.
- 2698 AMIGHI, M. Preparation of a vaccine concentrated inactive trivalent O-A-SAT 1 against aphthous fever from virus cultured on Macpherson and Stocker BHK 21 line hamster kidney cells. (Fr) *Inst. Razi, Arch.* 17:53-61. Ref. Dec. 1965. 41.9 In72
English summary.
Tested on cattle.
- 2699 ANOKHIN, B. M. The effect on gastric secretion of calves of various milking procedures, and the temperature and increased acidity of the milk. (Rus) *Omskii Vet. In-t. Nauchn. Tr.* 22(2):41-49. 1964. Not in Libr.
Includes abomasal fistula.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:3. July 1965. Film S-205
- 2700 AYALON, N., TADMOR, A., and LEWIS, I. Surgical recovery of ova in the cow. *Refuah Vet.* 22(2):126-131. Ref. June 1965. 41.8 R25
Text also in Hebrew.
- 2701 AZIMOV, G. I. Kak obrazuetsya moloko [How milk is produced]. Ed. 2, rev. Moskva, Kolos, 1965. 159 p. SF251.49
- 2702 BAGLIONI, T., and LOCATELLI, A. Investigation on vascular permeability of newborn calves. (It) *Clin. Vet.* 89(5):139-144. Ref. May 1966. 41.8 C61
English summary.
Tested with P.V.P.
- 2703 BAKER, L. A. A basic nutrition background. *IV. Vet. Econ.* 7(1):40-45. Jan. 1966. 41.8 V6458
Veterinarian's role in feeding the dairy herd
- 2704 BAKER, L. A. The DVM's role in herd management. 11. Why the nutritional approach succeeds. *Vet. Econ.* 7(8):59, 62-64, 66. Aug. 1966. 41.8 V6458
Dairy cattle.

- 2705 BAKER, L. A. Herd health can be profitable. VIII. Vet. Econ. 7(5):54,56-59. May 1966. 41.8 V6458
Fees for veterinary medical services to dairy cattle.
- 2706 BAKER, L. A. What do you know about the calcium-phosphorus ratio? 12. Vet. Econ. 7(9):37-40. Sept. 1966. 41.8 V6458
In cattle.
- 2707 BAKOSS, P., and CHADLI, A. Isolation of a new strain of *Leptospira grippityphosa* in Tunisia. (Fr) Inst. Pasteur Tunis. Arch. 42(1):67-70. Ref. Mar. 1965. 448.3 In 72
From cattle.
- 2708 BALAZH, YU. YU., and PALEIYI, F. YU. Change in ammonium nitrate content of the rumen and urea in the blood of cows with supplemental feeding of various proteins. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:3-7. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:5. Aug. 1965. Film S-205
- 2709 BANKS, K. Infectious bovine abortions. Southwest. Vet. 18(4):318. Summer 1965. 41.8 So82
Chiefly causes.
- 2710 BASHKIROV, B. A. The lymphatic system in cow udders. (Rus) Leningrad. Vet. Inst. Shorn. Rabot. 26:411-422. 1965. 41.9 L54
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:1. Sept. 1965. Film S-205
- 2711 BARGAY, U. Preliminary observations on the effect of diphenoxylate hydrochloride as an anti-diarhoeal agent in calves. Refuah Vet. 22(3):188-189. Sept. 1965. 41.8 R25
Text also in Hebrew.
- 2712 BASSAN, Y. The isolation of *Coxiella burnetii* from a bovine placenta. Refuah Vet. 22(3):192-194. Ref. Sept. 1965. 41.8 R25
Text also in Hebrew.
- 2713 BECHT, H. Serological behavior of acetic acids from *Brucella* with special consideration of indirect hemagglutination. (Ge) Pathol. Microbiol. 29(2):204-213. Ref. 1966. 448.8 Sch9
English summary.
Beef and sheep sera.
- 2714 BELLOW, R. A. Synchronization of estrus in beef cattle. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:25-29. 1965. 49.9 W27
- 2715 BENAZZI, P., BIANCARDI, G., and CERESA, E. Observations on the first ten years of antitubercular prophylaxis in cattle in the Province of Piacenza. Vet. Ital. 15(6):425-441. June 1964. 41.8 C37
Text also in Italian.
- 2716 BEN-DAVID, B. Observations on the incidence of pregnancy in the left uterine horn in dairy cows. Refuah Vet. 22(3):183-187. Sept. 1965. 41.8 R25
Text also in Hebrew.
- 2717 BERTHELON, M., and ROYAL, L. Little-known causes of udder inflammation in the cow. (Fr) Rev. Med. Vet. [Toulouse] 117(2):139-143. Feb. 1966. 41.8 R32
English summary.
Includes milking machines and technique.
- 2718 BIRGEL, E. H. Displacement of bovine abomasum. (Por) Biologico 32(4):70-74. Ref. Apr. 1966. 442.8 B529
- 2719 BIRGEL, E. H. Torsion of abomasum of cattle. (Por) Biologico 32(3):49-51. Mar. 1966. 442.8 B529
- 2720 BLAKESLEE, D. A simplified technic for coating cattle erythrocytes with J substance. Immunogenet. Lett. 4(4):196-197. July 1966. 443.8 Im6
- 2721 BLOCK, P., and SCHRÖDER, E. Experience in the control of genital vibriosis. Blue Book Vet. Prof. 11:13-17. Ref. 1966. 41.9 B61Ae
In cattle.
- 2722 BOCCIARELLI, D. S., and others. The core of a bovine herpes virus. Virology 30(1):58-61. Ref. Sept. 1966. 448.8 V81
Z. Orieli, G. Mondino, and A. Persechino, joint authors.
- 2723 BRACKEN, F. K. Bovine brucellosis—eradicate it or live with it? WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:151-152. 1965. 49.9 W27
- 2724 BRON, E. J. S. A new orthopaedic shoe for cattle. (Du) Tijdschr. Diergeneesk. 91(13):862-863. July 1, 1966. 41.8 T431
- 2725 BURKI, F., FISCHER, K., and FEY, H. Comparative virological, fluorescence-serological, and cytological studies with a bovine parainfluenza-3-virus. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 200(2):191-201. Ref. June 1966. 448.3 C33
English summary.
- 2726 BURROWS, R. Studies on the carrier state of cattle exposed to foot-and-mouth disease virus. J. Hyg. 64(1):81-90. Ref. Mar. 1966. 449.8 J82
- 2727 BUTTERFIELD, R. M. A classification of bovine muscles, based on their relative growth patterns. Res. Vet. Sci. 7(3):326-332. Ref. July 1966. 41.8 R312
- 2728 CALDWELL, D. R., and BRYANT, M. P. Medium without rumen fluid for nonselective enumeration and isolation of rumen bacteria. Appl. Microbiol. 14(5):794-801. Ref. Sept. 1966. 448.3 Ap5
Cattle.
- 2729 CELSO, P. M. D. Influence of rations on the development of ruminal parakeratosis in calves. (It) Aliment. Anim. 10(8/9):407-410. Aug./Sept. 1966. 389.78 AL4
- 2730 CHANG, Y. L., and WANG, C. C. Epidemic panophthalmitis of yaks. (Ch) Chung-kuo Shou I Tsa Chih 4(1):8-9. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:4. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 2731 CHEREMISINOV, G. A. Use of pregnant mare's serum for stimulation of growth and fattening of livestock. (Rus) Zhivotnovodstvo 7:88-89. July 1966. 49.9 Z6
Cattle.
- 2732 CHRISTOPHER, J. Magnesium metabolism in cattle. Gosamvardhana 14(3):13-15. June 1966. 43.8 G69
- 2733 CHU, S. K., and LO, C. S. Report of one case of Fallot's Tetrad of a female Dutch calf. (Ch) Chung-kuo Shou I Tsa Chih 4(1):6-8. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:3. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 2734 CMELIK, S. H. W., and MATHEWS, R. J. Non-volatile fatty acids in the rumen of grazing steers. Rhodesia Zambia Malawi J. Agr. Res. 3(2):95-99. Ref. July 1965. 24 R3472
Southern Rhodesia.
- 2735 CODY, O. H. Pneumonia in calves. Irish Vet. J. 19(11):203-205. Nov. 1965. 41.8 Ir4
- 2736 COLLINS, W. W. Antibiotics for anaplasmosis. Okla. Cowman 6(8):26. Aug. 1966. 43.8 Ok42
Chiefly aureomycin in the feed, for prevention of the disease.
- 2737 COLVIN, H. W. Lactation. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 408-431. Ref. 1966. SF61. C6
Chiefly in cattle.
- 2738 CONWAY, L. "Long-acting" penicillin; use it to control shipping fever. Can. Cattlemen 29(9):22,35. Sept. 1966. 49 C16
- 2739 COPPOCK, S. One problem is parasites. Okla. Cowman 6(8):30. Aug. 1966. 43.8 Ok42
- 2740 COSTA, A. S. DA, and BRANT, P. C. Economic aspects of bovine cysticercosis. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16:361-371. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 2741 COTTEREAU, P. Flow of blood in Charollais or purpura hemorrhagica. (Fr) Encycl. Vet. Period. 22(1):33-42. Jan./Mar. 1965. 41.8 En1

- 2742 COTTEREAU, P. Poisoning of calves in the Charolais area. (Fr) *Encycl. Vet. Period.* 22 (4):185-188. Oct./Dec.1965. 41.8 En1
- 2743 CRAIN, G. B. Mastitis handbook on the farm; mastitis prevention and control. Miss. State Univ. Ext. Publ. 550,16 p. Dec.1965. 275,29 M68Ext
- Cattle.
- 2744 CZYREK, B., and others. Behavior of some physiological parameters during housing of slaughter heifers in winter period. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 13:203-212. 1964, pub.1965. 49.9 B75
- A. Grzegorzak, H. Kocjan, and A. Rojowski, joint authors.
- English summary.
- 2745 DAGNINO, V. Mastitis of our cows is always a present problem. (It) *Inform. Zootec.* 13(1): 5-8. Jan.15,1966. 49 In3
- 2746 DAHL, J. C. Mastitis control. *Southwest. Vet.* 18(3):203-205. Spring 1965. 41.8 So82
- In cattle.
- 2747 DANIEL, R. C. W., BIGGS, D. A., and BARNUM, D. A. The relationship between California mastitis test scores and monthly milk production and composition. *Can. Vet. J.* 7(5):99-105. Ref. May 1966. 41.8 R3224
- 2749 DANIEL, R. C. W., SMITH, G. C., and BARNUM, D. A. The relationship of California mastitis test (C.M.T.) scores with leucocyte counts on bucket milk samples. *Can. Vet. J.* 7(4):80-83. Ref. Apr.1966. 41.8 R3224
- 2749 DATTILO, M. Influence of castration on meat production and carcass quality. (It) *Inform. Zootec.* 12(20):703-704. Oct.31,1965. 49 In3
- Of beef cattle.
- 2750 DELFINO, F. Prophylaxis from bovine cysticercosis and related human teniasis. (It) *Vet. Ital.* 15(6):485-490. June 1964. 41.8 C87
- 2751 DENIZ, E. Morphological investigation on the inherited lethal malformations (brachygnathia, ankylosis, perosomus combined with bilateral palatoschisis) in a calf. (Tu) *Ankara Univ. Vet. Fak. Dergisi* 12(1/2):54-71. Ref. 1965. 41.9 An4D
- English summary.
- 2752 DENYER, R. C. Relative incidences of "suspect" diseases: a survey of two areas of N.S.W. *Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu.* 29:55-57,59-60. 1965. 41.9 In73
- In cattle.
- 2753 DIJKSTRA, R. G. A study about listeriosis in cattle. (Du) *Tijdschr. Diergeneesk.* 91(14): 906-916. July 15,1966. 41.8 T431
- English summary.
- 2754 DRENNAN, W. G. Abdominal distention in a Shorthorn heifer. *Can. Vet. J.* 6(10):268-270. Oct.1965. 41.8 R3224
- 2755 DUKES, T. W. Perforation of an abomasal ulcer through the diaphragm of a cow. *Can. Vet. J.* 7(4):88-90. Apr.1966. 41.8 R3224
- 2756 EMELYANOV, A. S., SMOLINA, K. A., and SMETANINA, G. K. Zootechnical methods in control of bovine leukemia. (Rus) *Zhivotnovodstvo* 7:53-57. July 1966. 49 Z6
- 2757 ESSIG, H. W., SHAWVER, C. B., and GODSEY, V. D. Poloxalene for control of blood of beef cattle grazing ladino clover. *Miss. Agr. Exp. Sta. Inform. Sheet* 919,1 p. Mar.1966. 100 M69In
- 2758 ESSIG, H. W., and SHAWVER, C. B. Terramycin and dimethylpolysiloxane in molasses blocks for bloat control. *Miss. Agr. Exp. Sta. Inform. Sheet* 920,1 p. Mar.1966. 100 M69In
- Beef cattle.
- 2759 EWALT, H. P., PETERSON, K. J., and ADAMS, F. W. Nitrates in cattle feeding. *Oreg. State Univ. Ext. FS* 108,2 p. July 1966. 275,29 Or36
- Nitrate poisoning.
- 2760 FADLE, W. S. A. Vergleichende Untersuchungen uber den Vitamin A- und beta-Carotin-Gehalt des Blutplasmas von Muttertieren und Kalbern sowie des Kolostrums [Comparative investigations on vitamin A and beta-carotene content of blood plasma in the mother animal and calves, as well as of the colostrum]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 2,115 p. 1965. 41.2 H198
- 2761 FAGAN, J. A. Water intoxication of calves. *Irish Vet. J.* 19(11):209-210. Nov.1965. 41.8 Ir4
- Text of an interview, by A. R. O'Neill.
- 2762 FAIRLIE, G. The isolation of a haemolytic *Neisseria* from cattle and sheep in the north of Scotland. *Vet. Rec.* 78(19):649-650. May 7, 1966. 41.8 V641
- Includes role of the organism in eye infections.
- 2763 FARINA, R., BATTELLI, C., and ANDREANI, E. Survey on the frequency of leptospiral infection in cattle and pigs in southeastern Italy. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18: 23-36. Ref. 1965, pub.1966. 41.9 P67
- English summary.
- 2764 FAVATI, V. Modification to feces examination method of Van Someren for diagnosis of fascioliasis in cattle. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:85-90. 1965, pub.1966. 41.9 P67
- English summary.
- 2765 FEHER, GY., and GYURU, F. Double cattle-monsters. (Hu) *Magyar Allatorv. Lapja* 21 (7):317-320. July 1966. 41.8 V644
- English summary.
- 2766 FEHER, GY., and GYURU, F. Siamese cattle twins (sterno-xiphophthalmalopagus). (Hu) *Magyar Allatorv. Lapja* 21(7):321-322. Ref. July 1966. 41.8 V644
- English summary.
- 2767 FERGUSON, D. L., and HOWE, C. Gastrointestinal parasites of cattle. *Nebr. Cattlemen* 22(11):10-11. July 1966. 43.8 N27
- In Nebraska.
- 2768 FERNANDEZ, D. B., RICO, F., and DUMAG, P. U. Observations on an outbreak of surra among cattle. *Philippine J. Anim. Indus.* 21(4): 221-224. Fourth Q.1960, pub.1965. 49.9 P53P
- 2769 FLAGG, D. E., and SPANGLER, G. W. Market cattle testing. *N. Dak. State Univ. Ext. Circ.* A-476,2 p. Sept.1966. 275,29 N812Sa
- Method of screening cattle for brucellosis and tuberculosis.
- 2770 FLORENT, A., and KEYSER, J. DE. Serological reactions in cattle caused by injection of commercial anti-brucellosis vaccines based on the strain McEwen 45-20. (Fr) *Office Int. Epizoot. Bull.* 63(7/8):1137-1142. July/Aug.1965. 41.8 Or2
- English summary.
- 2771 FU, Y. L., and LI, M. W. One case of ox burn injury treated by use of Pa-tu-shen-chi-sa (polson relieving and muscle growth compound). (Ch) *Chung-kuo Shou I Tsa Chih* 4(1): 20-21. Jan.1966. 41.8 C476
- Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communism Chin. Sci. Abstr. Bio-Med. Sci.* 59:12. Mar.25,1966. [JPRS 34,724; TT 66-31163] 241.7 Un34C
- Issued by CFSTL.
- 2772 GAGLIARDI, P. Respiratory syndrome of cattle. (It) *Romagna Agr. Zootec.* 51(9):122-125. (Cont.) Mar.1966. 16 R66
- 2773 GAJDACS, GY. Occurrence of mastitis in cattle caused by *Pseudomonas aeruginosa* (Bact. *Pyocyanum*). (Hu) *Magyar Allatorv. Lapja* 21(7):314-316. Ref. July 1966. 41.8 V644
- English summary.
- 2774 GALIGANI, G. Obliterating actinomycosis of the esophageal tract in a calf. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:197-206. Ref. 1965, pub.1966. 41.9 P67
- English summary.
- 2775 GALLINA, L. Fixed stabling. (It) *Ital. Agr.* 103(9):795-808. Sept.1966. 16 It1
- Cause of pathological conditions in cattle.
- 2776 GOBZEM, V. R. New species of *Coccidia* in cattle. (Be) *Minsk. Belorussk. Akad. Nauk. Vestsi. Ser. Sel'skhauspachaychyh Nauk* 1: 130-131. 1965. 20 M66
- Related to *Eimeria ellipsoidalis*.
- Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 15:38. Aug.1965. Film S-205

- 2777 GODLEY, W. C., WISE, J. F., and GODBEY, E. G. Effects of age and weight of dam and sex of calf on birth and weaning weight of beef calves. S. C. Agr. Exp. Sta. Tech. Bull. 1023, 12 p. July 1966. 100 So8T
- 2778 GOH, A. T. W., and LOWTHER, D. A. Effect of age on the composition of bovine nasal cartilage. Nature [London] 210(5042):1270-1271. June 18, 1966. 472 N21
- 2779 GOLIKOV, A. V., and ARTEMOVA, A. L. Vi-briostatic effect of some antibiotics on *Vibrio fetus* *veneralis*. (Rus) Antibiotiki 10(5):435-437. May 1965. 396.8 An84
English summary.
Of cattle.
- 2790 GRAMENZI, F. Struggle against cattle diseases. (It) Vet. Ital. 15(6):491-499. June 1964. 41.8 C87
- 2781 GREILLAT, S. *Lymnaea cubensis* Pfeiffer 1911, intermediary mollusc host of *Fasciola hepatica* L., 1858 in Martinique. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2736-2739. June 27, 1966. 505 P21
Infecting cattle.
- 2782 GROOTEN, H. H. G. The downer cow problem in Holland. Vet. News 29(2):17. Mar./Apr. 1966. 41.8 V6491
Condition caused chiefly by milk fever; treatment with injections of calcium and magnesium solutions.
- 2783 GZHYTS'KYI, S. Z., and VOVK, I. N. Fermental activity of cow blood affected with indigestion, during treatment with insulin. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:110-112. Ref. June 1965. 20 V82
Russian summary.
- 2784 HANNAN, J. Water intoxication of calves. Irish Vet. J. 19(11):211-214. Nov. 1965. 41.8 Ir4
Review of literature.
- 2785 HAYNES, N. B. The veterinarian's role in the changing dairy industry. Vet. News 28(6):7-10. 22 Nov./Dec. 1965. 41.8 V6491
In New York.
- 2786 HELBIG, H. R., and SAVARD, K. Sterol biosynthesis in the bovine corpus luteum in vitro. Biochemistry 5(9):2944-2956. Ref. Sept. 1966. 381 B523
- 2787 HIDROGLOU, M. Observations on the biopsy of omentum majus. (Fr) Can. Vet. J. 7(2):44. Feb. 1966. 41.8 R3224
In cattle.
- 2788 HILL, W. K. W. An investigation on the value of the Abortus Bang-Ring test in milk samples from milk tanks. (Du) Tijdschr. Diergeneesk. 91(14):885-895. Ref. July 15, 1966. 41.8 T431
English summary.
- 2789 HODY, A. The importance of Mycoplasma-mastitis. (Hu) Magyar Allatorv. Lapja 21(7):328-329. July 1966. 41.8 V644
Caused by *Mycoplasma bovigenitalium*.
- 2790 HORVATH, GY. Diagnosis of 45° to 90° torsio uteri of cows, on the basis of the displacement of portio vaginalis cervicis. (Hu) Magyar Allatorv. Lapja 21(7):310-311. July 1966. 41.8 V644
English summary.
- 2791 HORVATH, Z., ROZSAHEGYI, T., and GONYE, S. The prevention of reticulo-peritonitis perforativa by means of magnetic sonde. (Hu) Magyar Allatorv. Lapja 21(7):302-306. Ref. July 1966. 41.8 V644
English summary.
Cattle.
- 2792 HORVATH, Z., and ROZSAHEGYI, T. Up-to-date directives of the diagnosis and treatment of the indigestio proventriculorum. I. Diagnosis. (Hu) Magyar Allatorv. Lapja 21(7):289-296. July 1966. 41.8 V644
English summary.
Cattle.
- 2793 HOUSHOLDER, G. T., and DOLLAHITE, J. W. Serum enzyme activities: normal ranges in Gulf Coast calves. Southwest. Vet. 19(2):113-117. Ref. Winter 1966. 41.8 So82
- 2794 HUBBEN, K. Lead poisoning in cattle. Penn. Vet. 7(4):11-12. Dec. 1965. 41.8 P38
- 2795 HULLIGER, L., BROWN, C. G. D., and WILDE, J. K. H. Transition of developmental stages of *Theileria parva* in vitro at high temperature. Nature [London] 211(5046):328-329. July 16, 1966. 472 N21
Causing East Coast fever in cattle.
- 2796 IANNELLI, D. A new blood antigen in cattle. (It) Prod. Anim. 4(4):301-303. Dec. 1965. 49 P945
English summary.
- 2797 IBSEN, D. Anaplasmosis. Ark. Cattle Bus. 11(2):14. Dec. 1965. 43.8 Ar43
Includes vaccine.
- 2798 IBSEN, D. Brucellosis card test. Ark. Cattle Bus. 2(10):19. Oct. 1966. 43.8 Ar43
- 2799 IVANOV, I. V. Histological changes in the skin of cattle with onchocerciasis. (Rus) Vses. In-t. Gel'mintol. Tr. 11:59-61. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:35. Sept. 1965. Film S-205
- 2800 JASPER, D. E., and JAIN, N. C. Histochemical observations on *Mycoplasma* after staining with acridine orange. Appl. Microbiol. 14(5):720-723. Sept. 1966. 448.3 Ap5
Bovine mastitis isolates.
- 2801 JOHNSON, H. A., and others. Variability of ribosomal aggregation in lymphocytes. Nature [London] 211(5047):420. July 23, 1966. 472 N21
H. Schnappauf, A. D. Chanana, and E. P. Cronkite, joint authors.
Cattle.
- 2802 JOHNSON, H. D., and others. Environmental physiology and shelter engineering with special reference to domestic animals. LXX. Temperature and controlled feeding effects on lactation and related physiological reactions of cattle. Mo. Agr. Exp. Sta. Res. Bull. 902, 27 p. Feb. 1966. 100 M693
H. H. Kibler, I. L. Berry, O. Wayman, and C. P. Merilan, joint authors.
- 2803 JOLLY, R. D., and DITCHFIELD, J. Bronchopneumonia of calves caused by parainfluenza virus type 3. Can. Vet. J. 6(11):295-297. Ref. Nov. 1965. 41.8 R3224
- 2804 JUNY, M., and others. The influence of tranquilizers upon transport losses in calves. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:193-202. Ref. 1964, pub. 1965. 49.8 B75
J. Nowakowski, J. Stefanowicz, and J. Utzig, joint authors.
English summary
- 2805 KALLI, U., and SHAHAM, S. Two cases of suspected white fever disease in Israeli Friesian Cattle. Refuah Vet. 22(3):190-191. Sept. 1965. 41.8 R25
Text also in Hebrew.
- 2806 KASSICH, YU. YA. Serological diagnosis of cattle tuberculosis and paratuberculosis by binding complement. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:105-109. June 1965. 20 V82
Russian summary.
- 2807 KATER, J. C. Cotton fireweed (*Senecio quadridentata*) poisoning in cattle. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:45-47. 1965. 41.9 In73
- 2808 KELEMEN, GY., and others. Experimental results in the control of coli dysentery. (Hu) Magyar Mezogazdasag 21(31):19-20. Aug. 3, 1966. 19 M27
V. Posevitz, E. Szakacs, and Gy. Szemeredi, joint authors.
Calves.
- 2809 KHARISOV, C. K., SAKHAROVA, R. V., and ABOUZAROV, I. C. Method of immunization of cattle against brucellosis by the aerogenic route. (Fr) Office Int. Epizoot. Bull. 63(7/8):1119-1124. July/Aug. 1965. 41.8 Of2
English summary.
- 2810 KILLINGER, A. H. Listeriosis in cattle and sheep; research confirms the suspicion that poor-quality or spoiled silage may cause listeriosis or "circling disease." Ill. Res. 8(3):6-7. Summer 1966. 100 IL64

- 2811 KONONOV, YU. V. The course of several digestive processes in calves under various conditions of maintenance and feeding. (Rus) Omskii Vet. In-t. Nauchn. Tr. 22(2):15-20. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:3. July 1965. Film S-205
- 2812 KOSMINKOV, N. E. Testing the English drug Promintic (2-metoxethyl pyridine) on cattle dictyocaulosis and intestinal strongyloidiasis. (Rus) Vses. In-t. Gel'mintol. Tr. 11:89-91. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:33. Aug. 1965. Film S-205
- 2813 KOTTMAN, J. Infiltration of chlorotetracycline into synovial fluid of normal, healthy joint in beef cattle. (Rus) Antibiotiki 10(6):534-537. June 1965. 396.8 An84
English summary.
In relation to treatment of infectious arthritis.
- 2814 KOVACS, A. B., and SZOKOLOCZY, I. Dilatio, dislocatio and torsio omasi in cattle. (Hu) Magyar Allatorv. Lapja 21(7):324-328. July 1966. 41.8 V644
- 2815 KOVACS, A. B., SZOKOLOCZY, I., and FEHER, J. New data on diagnosing of the third stomach obstruction of cattle. (Hu) Magyar Allatorv. Lapja 21(7):297-301. Ref. July 1966. 41.8 V644
English summary.
- 2816 KRUGLYAKOV, M. G. Structure of the facial veins of cattle and sheep. (Rus) Turkmenskii S.-Kh. In-t., Ashkhabad. Trudy 13:190-194. 1964. 106 T843
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:2. Aug. 1965. Film S-205
- 2817 KUSEN', S. I., and SHYBYSTIYI, A. I. Study of protein metabolism in cattle fetuses. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2: 39-44. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:6-7. Aug. 1965. Film S-205
- 2818 LAMMLER, G. The control of Diicrocoelium dendriticum infection of domestic animals with hetolin. Blue Book Vet. Prof. 8:17-21. Ref. 1964. 41.9 B61Ae
Lancet fluke, chiefly in cattle and sheep.
- 2819 LAROCHE, V., LACOMBE, J., and REYES, M. S. Some remarks on brucellosis in Haiti. (Fr) Ofic. Sanit. Panamer. Bol. 60(5):383-390. May 1966. 449.9 P192B
English summary.
Includes cattle.
- 2820 LARSEN, J. B., and others. Different calving age of RMD heifers. (No) Denmark. Landokn. Forsogslab. Arb. 1965(fall meeting):411-415. 49.9 D41
S. Klausen, C. Svendsgaard, and E. Agergaard, joint authors.
Effects on weight.
- 2821 LAUNSLINIS, E. On eradication of bovine brucellosis in the Latvian SSR. Office Int. Epizoot. Bull. 63(7/8):1235-1243. July/Aug. 1965. 41.8 Of2
- 2822 LOKTEVA, F. D. Differentiation of post-vaccination serological reactions by milk examination with the help of agglutination reaction in cows vaccinated with vaccine strain 19. (Fr) Office Int. Epizoot. Bull. 63(7/8):1055-1064. July/Aug. 1965. 41.8 Or2
English summary.
For brucellosis.
- 2823 LOTAN, E. A clinical syndrome resembling infectious bovine rhinotracheitis in the Jordan Valley. Refuah Vet. 22(4):261-265. Ref. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 2824 LYZHINA, V. A. On the causes of the lack of vitality of new-born calves with thyroid hypoplasia. (Rus) In Nauka-Sel'sk. Kh-vu 1964:73-74. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:33. July 1965. Film S-205
- 2825 MACCHIONI, G., and MARCONCINI, A. Statistical research on diffusion of gongylonemiasis [Gongylonema pulchrum] in cattle slaughtered in the public slaughter-house of Pisa. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:65-69. Ref. 1965, pub. 1966. 41.9 P67
English summary.
- 2826 MAGDIEV, R. R. Epidemiology of Taeniarhynchus. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):323-327. May/June 1966. 448.8 M469
English summary.
Tapeworms of cattle and man.
- 2827 MAHONEY, D. F. Circulating antigens in cattle infected with Babesia bigemina or B. argentina. Nature [London] 211(5047):422. July 23, 1966. 472 N21
- 2828 MARENNIKOVA, S. S., MAL'TSEVA, N. N., and YUMASHEVA, M. A. On the origin of vaccinia virus. (Rus) Vop. Virusol. 6:716-719. Ref. Nov./Dec. 1965. 448.8 P942
English summary.
- 2829 MARIANI, A. P., and TINTI, A. A study on xanthurenic acid in cow during sexual activity and in pregnancy. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:19-22. 1965, pub. 1966. 41.9 P67
English summary.
- 2830 MCKENZIE, P. L. Bovine polioencephalomalacia. Tuskegee Vet. 9(2):49-50. Dec. 1965. 41.8 T87
- 2831 MLORADOVICH, A. F. A new method for an accelerated microscopic diagnosis of trichomoniasis in cattle. (Uk) Vetrynariya 1:113-119. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:38. Aug. 1965. Film S-205
- 2832 MUSIENKO, P. I., and KHAINATSKII, YU. YA. Structure of the deep pectoral muscle of cattle. (Rus) Vses. Nauchn. O-vo Anatomov, Gistolgov i Embriologov. Orenburgsk. Otd. Uch. Zap. 4:92-97. 1964. Not in Libr.
Embryos.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:3. Aug. 1965. Film S-205
- 2833 NASTEKHIN, A. G. Eradication of bovine brucellosis in Moscow region. Office Int. Epizoot. Bull. 63(7/8):1217-1224. July/Aug. 1965. 41.8 Of2
- 2834 NEIMANN-SORENSEN, A., and others. Meat production characteristics at varying slaughter weight. Twin trials. (Da) Denmark. Landokn. Forsogslab. Arb. 1965(fall meeting): 451-455. 49.9 D41
J. B. Larsen, S. Klausen, C. Svendsgaard, and E. Agergaard, joint authors.
Calves.
- 2835 NENADIC, B. A contribution to the study of the infection of cattle with Gongylonema pulchrum in the district of Plevlje. (Se) Stocarstvo 20 (3/4):150-152. Mar./Apr. 1966. 43.8 S66
Esophageal worm.
- 2836 NICHOLSON, J. W. G., and CUNNINGHAM, H. M. Retained placenta, abortions and abnormal calves from beef cows fed all-barley rations. Can. Vet. J. 6(11):275-281. Ref. Nov. 1965. 41.8 R3224
- 2837 NITZ, K. J. Ligation of the ovary after corpus luteum enucleation. Blue Book Vet. Prof. 11: 18. 1965. 41.9 B61Ae
In a cow.
- 2838 NOBEL, T. A., NEUMANN, F., and KLOPPER, U. An outbreak of virus diarrhoea mucosal disease in imported calves. Refuah Vet. 22(4): 266-269. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 2839 NOGUEIRA, J. C., and GARCIA, O. DE S. Morphological study of mucous membrane of uterine cervix of the cow. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Agr. 16:105-112. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 2840 NYHAN, J. F. The control of mastitis in dairy cattle. Irish Vet. J. 20(4):62-65. Ref. Apr. 1966. 41.8 Ir4

- 2841 NYHAN, J. F. How can mastitis be controlled? *Farm Res. News* 6(6):124-126. Nov./Dec.1965. 10,5 F223
Cattle in Ireland.
- 2842 OMAN, J. B. Bovine leptospirosis. *Southwest. Vet.* 19(1):65-66. Fall 1965. 41.8 S082
- 2843 PANICHI, G. Detorsion of the uterus in the cow by means of rolling the mother and extrabdominal taxis on the fetus. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:274-284. Ref. 1965, pub.1966. 41.9 P67
English summary.
- 2844 PANICHI, G. Genital malformations in a young Chiana cow which can be related to "white heifer disease." (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:265-273. Ref. 1965, pub. 1966. 41.9 P67
English summary.
- 2845 PARKER, W. H. History of the theories on the cause and treatment of husk (parasitic bronchitis). *Vet. Rec.* 79(3):75-79. Ref. July 16, 1966. 41.8 V641
Cattle and sheep.
- 2846 PARTRIDGE, S. M. Chondroitin sulfate-protein of bovine cartilage. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(3,pt.1):994-996. May/June 1966. 442.9 F31P
- 2847 PATON, F. Thirty-three calves an hour die from avoidable disease. *Beef Sheep Farming* 2(5):7,18. Sept.1965. 43.8 B392
Great Britain.
- 2848 PELLEGRINI, N., and PELLEGRINI, S. The "medulla suprarenalis" during pregnancy: histological investigations in cow. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:207-220. Ref. 1965, pub.1966. 41.9 P67
English summary.
- 2849 PELLEGRINI, N., RINDI, S., and NERI, L. Secondary peritoneal and pleural hydatidosis of cattle. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:175-188. Ref. 1965, pub.1966. 41.9 P67
English summary.
- 2850 PETERS, E. Zur Anatomie der gemeinsamen digitalen Sehnscheide am Vorder- und Hinterfuss des Rindes [Anatomy of the joint digital tendon sheath on front and hind leg of cattle]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 38, 27 p. 1965. 41.2 H198
- 2851 PHILSON, D. D. Market Cattle Testing Program. *Nebr. Cattleman* 22(6):18,22. Feb.1966. 43.8 N27
For brucellosis.
- 2852 PIPANO, E. Piroplasmosis—a review. *Revue Vet.* 22(4):249-257. (Concl.) Dec.1965. 41.8 R25
Text also in Hebrew.
Of cattle.
- 2853 RAKES, J. M., and WARD, R. F. "Hardware disease" in dairy cattle. *Ark. Cattle Bus.* 2(5):28-29. May 1966. 43.8 Ar43
- 2854 REDMOND, H. E., and MOORE, R. W. Enteritis in calves caused by an unusual *E. coli* serotype. *Southwest. Vet.* 18(4):277-278. Summer 1965. 41.8 S082
- 2855 RENOUX, G., and GAUMONT, R. Pathologie de la production du lait. II. Methodes de diagnostic biologique des brucelloses animales [Pathology of milk production. II. Methods of biological diagnosis of animal brucellosis]. *France. Cent. Nat. Coord. Etudes Rech. Nutr. Aliment. Cah. Tech.* 12,51 p. Ref. 1966. 389.9 F84
- 2856 REYNOLDS, D. A. Grass tetany is common in several Nebr. range areas. *Nebr. Cattleman* 23(1):32-34. Sept.1966. 43.8 N27
Of cattle.
- 2857 RINDI, S. Parietal cystic anomaly of gall-bladder in a calf. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:189-196. Ref. 1965, pub. 1966. 41.9 P67
English summary.
- 2858 ROBERTS, S. J. Modifications of the New York State Mastitis Control Program. *Vet. News* 28(6):5-6,19. Nov./Dec.1965. 41.8 V6491
Chiefly dairy cattle.
- 2859 ROMBOLI, B., and others. Thrombosis of posterior vena cava and hepatic veins in cattle and lambs. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:115-156. Ref. 1965, pub.1966. 41.9 P67
G. del Bono, N. Pellegrini, P. Pierotti, and R. Emdin, joint authors.
English summary.
- 2860 ROMVARY, J. Virus diarrhea of calves. (Hu) *Magyar Mezogazdasag* 21(27):19-20. July 6, 1966. 19 M27
- 2861 ROSASCHINO, F., and RUGGERI, L. Passage of anti-Buck-19 agglutinins in the milk of cattle with intercurrent acute mastitis. (It) *Clin. Vet.* 89(3):77-84. Ref. Mar.1966. 41.8 C61
English summary.
- 2862 ROSS, J. G. Parasites of cattle and sheep. *Agr. Northern Ireland* 41(4):103-105. Aug. 1966. 256.13 Ag82M
- 2863 ROSSOW, N. Reflections on differential diagnosis of bovine colic. (Ge) *Monatsh. Veterinarmed.* 21(13):508-514. Ref. July 1, 1966. 41.8 M742
English summary.
- 2864 SANCHEZ-GARNICA MONTES, C. Blood transfusion in the treatment of puerperal hemoglobinuria of the cow. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:51-57. 1964-65. 41.9 M262
German summary.
- 2865 SANCHEZ-GARNICA MONTES, C. Dilatation of the abomasum in the cow; its operative treatment with a modification of the Hansen method. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:41-50. 1964-65. 41.9 M262
German summary.
- 2866 SANCHEZ-GARNICA MONTES, C. Infections of the abomasum in a herd of dairy cows; abomasitis. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:29-34. 1964-65. 41.9 M262
German summary.
- 2867 SANCHEZ-GARNICA MONTES, C. Two cases of dilatation of the abomasum with torsion to the right in stabled cows. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:35-40. 1964-65. 41.9 M262
German summary.
- 2868 SAUCIER, A. "Abnormal secretion," important factor in milk quality. (Fr) *Quebec Lait. Aliment.* 25(9):8-10. Sept.1966. 44.8 Q3
- 2869 SCHIPPER, I. A. Shipping fever can be controlled. *Feedlot* 8(9):12-13. Sept.1966. 43.8 F32
Of cattle.
- 2870 SCHULTZ, J., MOTZ, R., and SCHAFER, M. The toxicity of malt seeds containing *Aspergillus flavus*. (Ge) *Monatsh. Veterinarmed.* 21(12):458-561. Ref. June 15, 1966. 41.8 M742
English summary.
Cattle.
- 2871 SEELEMAN, M. Problem of considering under health in the quality payment of delivery milk. (Ge) *Molk.-Zeitung Welt Milch* 20(28):911-912. (Cont.) Ref. July 1966 44.8 M735
Installment deals chiefly with mastitis control.
- 2872 SEIBOLD, H. R. Some methods for the study of morphological cellular changes caused by viruses. *U. S. Agr. Res. Serv. ARS-45-5-111-119.* May 1966. A41.9 R315A
Calves.
- 2873 SEIFFERS, S. M. A skin and ear disease of buffaloes in south Sulawesi. *Commun. Vet.* 9(1):19-28. June 1965. 41.8 C73
Caused by *Stephanofilaria dedoisi*.
- 2874 SHANG, H. M. Restoration of dislocated acromioclavicular joint of water-buffalo. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):21. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Commun. Chin. Sci. Abstr. Bio-Med. Sci.* 59:12-13. Mar.25,1966. (JPRS 34,724: TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 2875 SHERWOOD, J. H. Husk; prevention and treatment. *Beef Sheep Farming* 2(4):7,26. July/Aug.1965. 43.8 B392
Lungworms, chiefly in calves, in Great Britain.

- 2876 SHIL'NIKOV, V. I., and MUZYKOVSKII, A. M. Testing the anthelmintic action of promintic against lungworms in cattle. (Rus) Vses. In-t. Gel'mintol. Tr. 11:173-174. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:36, Sept. 1965.
Film S-205
- 2877 SINGH, K. V., and EL CICY, I. F. Comparative cytopathology of rinderpest and bovine parainfluenza 3 viruses in cell cultures. Nature [London] 211(5046):314-315. July 16, 1966. 472 N21
- 2878 SLOBODYANYUK, K. F. Content of phosphorus compounds in mammary gland tissues and in the blood of cows relative to the productivity of the animals. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:68-72. 1964.
Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:4. Aug. 1965. Film S-205
- 2879 SOKOLOVA, M. A. Morphology of veins of the head in cattle (intrauterine developmental period). (Rus) Leningrad. Vet. Inst. Sborn. Rabot 26:423-428. 1964. 41.9 L54
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:2. Aug. 1965. Film S-205
- 2880 SPAHN, G. J., MOHANTY, S. B., and HET-RICK, F. M. Characteristics of hemadsorbing enteric (HADEN) virus. Can. J. Microbiol. 12(4):653-661. Ref. Aug. 1966. 448.8 C162
Studies in bovine cell cultures.
- 2881 STRAUB, O. C. Experimental abortions with infectious vulvovaginitis virus of cattle. (Ge) Deut. Tierarztl. Wochenschr. 73(12):286-288. Ref. July 15, 1966. 41.8 D482
English summary.
- 2882 SZOTACZKY, I., and GABNAY, S. Experiences in detecting cattle affected with tuberculosis by using clinical and serological tests. (Hu) Magyar Allatorv. Lapja 21(6):258-262. Ref. June 1966. 41.8 V644
English summary.
- 2893 SZYFRES, B., and DURAN, A. Brucellosis tests of herd milk samples in Azul, Argentina. (Sp) Ofic. Sanit. Panamer. Bol. 60(5):391-395. May 1966. 449.9 P192B
English summary.
- 2894 TANDON, H. S., and SEHGAL, D. V. Latest in livestock husbandry. Gosarmvdrhana 14(2):30-31. May 1966. 43.8 G69
Pregnancy diagnosis in cattle.
- 2895 TOPPS, J. H., and ELLIOTT, R. C. Nitrogen metabolism of cattle and sheep in southern Africa. Outlook Agr. 4(6):310-315. Ref. 1965. 10 Ou8
Southern Rhodesia.
- 2896 TOVARI, GY. Treatment of newborn calves with their mother's blood. (Hu) Magyar Allatorv. Lapja 21(7):330-331. July 1966. 41.8 V644
- 2897 TUBOBY, S. Studies on the antigenic structure of mycobacteria. III. Comparison of immunoglobulins produced against mycobacteria. (Hu) Magyar Allatorv. Lapja 21(6):256-258. Ref. June 1966. 41.8 V644
English summary.
Mycobacterium bovis and M. avium studied.
- 2898 TWIEHAUS, M. J., and HOWE, C. Calves scours. Nebr. Cattleman 22(6):20. Feb. 1966. 43.8 N27
- 2899 VEIGA, J. S., and others. Some physiological characteristics associated with adaptability of cattle in tropical and subtropical areas. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16:113-137. Ref. 1964, pub. 1965. 41.9 M662
R. C. Barnabe, E. Ghion, and C. A. C. Aggio, joint authors.
English summary.
- 2900 VERTELETSKI, L. L. Elimination of cattle brucellosis in regions, territories and autonomous Republics of the Russian Federation. (Fr) Ofic. Int. Epizoot. Bull. 63(7/8):1205-1216. July/Aug. 1965. 41.8 Of2
English summary.
- 2901 VISHNYAKOV, S. I., KHERUVIMOV, V. P., and SOROKINA, A. A. Study of the protein and mineral metabolism in toxic dyspepsia in calves. (Rus) Kursk. S-Kh. In-t. Nauchn. Tr. 2:204-212. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:33. July 1965.
Film S-205
- 2892 VONNAHME, W. Plasma- und Serumprothrombinbestimmungen bei gesunden und kranken Rindern [Plasma and serum prothrombin determination in healthy and sick cattle]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 49.90 p. 1965. 41.2 H198
Bibliography, p. 68-79.
- 2893 WALSER, K. Experiments about dimethyl sulfoxide (DMSO) as an agent for drug transport through the skin of the udder in dairy cows. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(13):241-243. Ref. July 1, 1966. 41.8 B45
English summary.
- 2894 WAYEREN, G. M. VAN. The value of the complement fixation test for the eradication of bovine brucellosis in the Netherlands. Ofic. Int. Epizoot. Bull. 63(7/8):1015-1024. July/Aug. 1965. 41.8 Of2
- 2895 WEGNER, W. Die elektrophoretisch nachweisbare Heterogenität des Hämoglobins bei Tieren, unter besonderer Berücksichtigung der in deutschen Rinderrassen auftretenden Hämoglobinvarianten [The electrophoretically detectable heterogeneity of hemoglobins in animals with special emphasis on hemoglobin variations occurring in German cattle races]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 51.67 p. 1965. 41.2 H198
English summary.
Bibliography, p. 59-67.
- 2896 WETHERILL, G. D. Retained placenta in the bovine. A brief review. Can. Vet. J. 6(11):290-294. Ref. Nov. 1965. 41.8 R3224
- 2897 WISNIOWSKI, J., and KROLAK, M. Evaluation of the use of the complement fixation test applied in Poland in the diagnosis of brucellosis in cattle in connection with the proposal of an international standard. Ofic. Int. Epizoot. Bull. 63(7/8):1319-1342. Ref. July/Aug. 1965. 41.8 Of2
- 2898 YANOVICH, V. H., and KUSEN, S. I. Study of lipid metabolism in cattle fetus. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:33-38. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:7. Aug. 1965. Film S-205
- 2899 ZAHN, C. W. Scours. Ark. Cattle Bus. 1(12):21.30-31. Dec. 1965. 43.8 Ar43
- 2900 ZEDLER, W., and MULLER, E. Eye tumors in cattle. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(12):222-226. June 15, 1966. 41.8 B45
English summary.
Chiefly diseases of eyelids, and cancer eye.

Miscellaneous

- 2901 ALLEN, L. M. Lassen county—cow country. Calif. Cattleman 49(5):6-7, 9-12, map. May 1966. 43.8 C12
Beef cattle farms and their history.
- 2902 ANIMAL husbandry research review. Nat. Ass. Anim. Breeders. Proc. 18th Annu. Conv.:88-96. 1965. 43.9 N212
Reports of research with dairy cattle at the Animal Husbandry Research Division, Agricultural Research Service, USDA, Beltsville, Maryland, by R. E. Hodgson, R. D. Plowman, R. E. McDowell, W. P. Flatt, P. W. Moe, W. D. Schultz, C. A. Kiddy, and E. L. Corley.
- 2903 ARMSTRONG, J. H., MITCHELL, M. P., and JONES, B. F. The future of the beef industry in Indiana. Purdue Univ. Ind. Agr. Ext. Mimeo EC-300, 13 p. Feb. 1966. 100 In2Ag
- 2904 BAKER, F. H. Building production programs to utilize the optimum carcass potential of cattle. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:15-16. 1965. 49.9 W27
- 2905 BARNES, MRS. G. L. Beef wonderland: the cattle history of Shasta County. Calif. Cattleman 49(7):6, 8-10. July 1966. 43.8 C12
- 2906 BEATTIE, A. W. South African cattle. II. Can. Cattleman 29(10):42-44. Oct. 1966. 49 C16
Chiefly Basutoland and Swaziland.

- 2907 BEEF AND SHEEP FARMING. Producing quality veal. Beef Sheep Farming 2(1):17-20,22-25. Mar.1965. 43.8 B392
Calf care, meat production, and veal industry; in Great Britain.
- 2908 BEVIN, R. H. Beef cattle on New Zealand farms. Soil Water 2(4):8-12. June 1966. 56.8 So323
- 2909 BONSER, J. Veal; the importance of quality. Beef Sheep Farming 2(4):8,13. July/Aug.1965. 43.8 B392
Carcass quality; Great Britain.
- 2910 CANADA. DEPT. OF AGRICULTURE. HEALTH OF ANIMALS. BR. Register of brucellosis-free listed herds as recorded to July 31, 1965. Ottawa, 1965. 6 p. 43.9 C1692R
- 2911 CHANCE, MRS. J., and CHRISTIANSEN, MRS. R. Welcome to Inyo Mono country east of the high Sierras. Calif. Cattleman 49(7):12-15. July 1966. 43.8 C12
History of the beef cattle farms.
- 2912 COCKRILL, W. R. The productive buffalo. (Ge) Molk.-Kaserel-Zeitung 17(26):987-989. June 29,1966. 44.8 M736
Milk production.
- 2913 CONTRIBUTION of management to high production; panel discussion. Nat. Ass. Anim. Breeders. Proc., 18th Annu. Conv.:143-167. 1965. 43.9 N212
Moderator: R. Schabinger; panel members: R. D. Plowman, R. W. Hemkem, G. H. Schmidt, W. Hansel, and J. B. Herrick.
Of milk; effects of environment.
- 2914 COURTRIGHT, C. A. A feeder's use of carcass evaluation. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:1-4. 1965. 49.9 W27
For cattle.
- 2915 CZAKO, J. Simple method for determining lactational production of cows. (Hu) Magyar Mezőgazdaság 21(28):18-19. July 13,1966. 19 M27
Statistical.
- 2916 DAVIS, R. F. La vaca lechera, su cuidado y explotación [Dairy cow; its care and management]. Mexico, 1966. 344 p.,map. Ref. SF239.D33
Translation of Modern Dairy Cattle Management.
- 2917 DOUGLAS, MRS. L. R. Three score and two: Humboldt's early cattle history. Calif. Cattleman 49(6):8-12,14-15. June 1966. 43.8 C12
- 2918 EDMUNDS, H. Weight recording of commercial cattle. Beef Sheep Farming 2(5):16-18. Sept.1965. 43.8 B392
Great Britain.
- 2919 ERICKSON, MRS. R. The history of Stanislaus County, Calif. Cattleman 49(6):16-19. June 1966. 43.8 C12
Beef cattle history.
- 2920 FERCEJ, J. Problems of the improvement of cattle economics. (Sl) Soc. Kmetijstvo Gozdarstvo 16(16):382-384. Nov.18,1966. 21.5 So14
Chiefly costs of milk production.
- 2921 FRESNO COUNTY CATTLEMEN'S ASSOCIATION. Cattle & courage: Fresno County cattle history. Calif. Cattleman 49(4):16-21,27. Apr.1966. 43.8 C12
- 2922 GACULA, M. C., GAUNT, S. U., and DAMON, R. A. Environmental variance associated with milk composition yield. Philippine Agr. 49(4):260-266. Ref. Sept.1965. 25 P542
- 2923 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Avoiding losses in calf rearing. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 517.4 p. Oct.1965. 10 G79La
- 2924 GUBA, S., and GONDOLOVICS, L. Influence of the method of mechanical milking on milk and butterfat production, as well on milking time. (Hu) Kiserletügyi Közlemények 58(B)(2):37-51. 1965, pub.1966. 105.9 H89
English summary.
- 2925 GUPTA, P. P. Self sufficiency in food. Gosamvardhana 14(3):26-31. June 1966. 43.8 G69
By improving milk production of cattle.
- 2926 HALDER, G. Intensification of production control and feeding extension make possible an increase in productivity in the livestock industry. (Ge) Forderungsdienst 14(2):37-40. Feb.1966. 19 F75
Chiefly cattle in Austria.
- 2927 HANSEN, C. V. Raising of livestock in Denmark. (It) Inform. Zootec. 12(20):713-715,719, 721. Oct.31,1965. 49 In3
Chiefly cattle.
- 2928 HISINGER, C. Milk recording results for Nyland, (Sw) Tidslr. Lantman Andelsfolk 18:407. Sept.30,1965. 20 T43
- 2929 INDIA. CENTRAL COUNCIL OF GOSAMVARDHANA. Annual report for the year ending 31st March 1964. Faridabad, 1965. 44 p. 43.9 In22
Cattle development policies and programs.
- 2930 JACOB, W. K. Up-to-date problems faced in young cattle rearing and veterinary work on young cattle stocks. (Ge) Monatsh. Veterinarmed. 21(12):441-444. Ref. June 15,1966. 41.8 M742
English summary.
- 2931 KEGAN, M., and others. The cattle history of Colusa and Glenn Counties. Calif. Cattleman 49(3):14-18,21,24. Mar.1966. 43.8 C12
Mrs. M. Kegan, J. K. Sexton, and Mrs. J. K. Sexton, joint authors.
- 2932 KING, G. T., and CARPENTER, Z. L. No bonelony—bull beef passes taste test. Tex. Agr. Progr. 12(3):12-13. Summer 1966. 100 T31Te
- 2933 KING, G. T. Type and quality in the live beef animal and in the carcass. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:91-99. Ref. 1965. 49.9 W27
- 2934 KORIATH, G. The first 305 days of lactation performance of cattle raised for milk saving. (Ge) Tierzucht 20(8):398-400. Aug.1966. 49 T443
- 2935 KREMPA, T. Investigations on the possibility of shortening 305-day period of the milk productivity control in cows with the purpose of its use in selection of primipara heifers and in estimation of bulls. (Pol) Roczn. Nauk Roln. 88-B-2:95-110. Ref. 1966. 20.5 R59
English summary.
- 2936 KUDLICKA, K., HURDA, J., and VANA, V. Combined housing might reduce costs of milk production. (Cz) Ekon. Zemedelstvi 4(11):333-338. Nov.1965. 281.8 Ek7
- 2937 KUDLICKA, K., and HURDA, J. Organization of group rearing of dairy cattle with combined housing. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(5):277-284. May 1966. 49.9 C33
English summary.
- 2938 KURZE, G. Example of a statistical analysis of average milk production. (Ge) Statist. Praxis 21(7):276-279. July 1966. 251.8 St25
Dairy cattle records.
- 2939 LAMPO, P., WILLEMS, A., and VANSCHOU-BROEK, F. Effect of season, calving period and stage of lactation on milk yield and milk composition in the cow. Ned. Melk- Zuiveltijdschr. 20(1):17-36. Ref.,p.33-36. Jan./Mar. 1966. 44.8 N283
- 2940 LAURSEN, M. H. Latest results of milking research; background and development of the new Hydrolups system. (Da) Tolvmandsbladet 38 (8):446-449. Aug.1966. 11 T58
Operation of milking machines.
- 2941 LINDBERG, H. Milk recording activities in the Finnish Agricultural Society. (Sw) Tidslr. Lantman Andelsfolk 18:405. Sept.30,1965. 20 T43
- 2942 LOGAN, S. H. Economies of scale in cattle slaughtering plants. Nat. Comm. Food Marketing. Tech. Stud. 1(sup.2),44 p. Ref. June 1966. HD9001.A3
- 2943 MASLOWSKA, I. Dairy cattle rearing in open and free-range barns in central Poland. (Pol) Roczn. Nauk Roln. 87-B-4:505-517. 1966. 20.5 R59
English summary.

- 2944 MASLOWSKA, I. Litter temperature at different depth in three types of barns—open, free-range and traditional one. (Pol) Roczn. Nauk Roln. 87-B-4:519-525. Ref. 1966. 20.5 R59
English summary.
Cattle barns.
- 2945 MAULDIN, H. 50 years of cattle in Lake County, Calif. Cattleman 48(12):13-16. Dec. 1965. 43.8 C12
- 2946 MEAD, S. W. Dairy cattle management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 575-593. Ref. 1966. SF61.C6
- 2947 MEDICI, L. More milk or more meat in the dairy barn. (It) Inform. Zootec. 13(14):611-615. July 31, 1966. 49 In3
- 2948 MICHALSKI, D. Beitrag zum Stande der Tierhygiene im Landkreis Hadeln [Contribution to the status of animal hygiene in the agricultural district of Hadeln]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 33, 49 p., map. 1965. 41.2 H198
Bibliography, p. 42-46.
Housing sanitation for cattle and swine.
- 2949 NEIMANN-SORENSEN, A., and others. Experiments with machine milking with and without stripping in relation to yield, udder health and labor requirement. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting): 469-472. 49.9 D41
M. Nielsen, H. E. Hansen, N. D. Kistrup, and P. S. Madsen, joint authors.
- 2950 OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Dairy science, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 14, 14 p., map. Aug. 1966. 100 Oh3Rs
Cattle.
- 2951 O'MARY, C. C. Selecting replacement heifers and culling the cow herd. WSU (Washington State Univ.) Stockmen's Short course, 13th Course: 39-43. Ref. 1965. 49.9 W27
- 2952 PITMAN, R. F. Dairy cattle housing for Victoria? Dairyfarming Dig. 13(4):30-31. July/Aug. 1966. 44.8 D1443
- 2953 POPE, L. S. A big year of change for cowmen. Okla. Cowman 6(8):24, 32-33, 35. Aug. 1966. 43.8 Ok42
Meat production and outlook.
- 2954 POTAPOVA, L. S. Temperature regularities in determining the period of indoor housing of cattle on the territory of the USSR. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 3:78-86, map. May/June 1966. 331.9 Ak12
- 2955 POZZI, G. C. The raising of beef cattle. (It) Inform. Zootec. 13(10):433-436. May 31, 1966. 49 In3
- 2956 RASELLI, G. Baby beef. (It) Riv. Zootec. 39(6):328-334. June 1966. 49 R52
Raising, and quality of the meat, in Italy and in Europe.
- 2957 RUTHERFORD, C. The cattle story of Tulare County—the garden of the sun. Calif. Cattleman 49(9):10-14. Sept. 1966. 43.8 C12
- 2958 SIMPSON, F. M. Where are the beef cattle? Livestock Breeder J. 9(10):28. Oct. 1966. 49 L758
Farms.
- 2959 STEPHENS, D. F. Beef cattle management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 555-574. Ref. 1966. SF61.C6
- 2960 SUNDBERG, E. Milk recording activities at Aland. (Sw) Tidskr. Lantman Andelsfolk 18: 408. Sept. 30, 1965. 20 T43
- 2961 SVENSK HUSDJURSSKOTSEL EK. FOR. Arsredogorelse [Annual report of the Swedish Animal Husbandry Society], 1965. Hallsta, 1966. various paging. 43.9 R44
Artificial insemination and milk recording.
- 2962 TANDON, H. S., and SEHGAL, D. V. Development of cattle in Punjab. Gosamvardhana 14(4):9-11. July 1966. 43.8 G69
Includes care.
- 2963 TAYLOR, G. T., and CRAIN, C. B. Senior 4-H dairy production. Miss. State Univ. Ext. Publ. 530, 20 p. Aug. 1965. 275.29 M68Ext
- 2964 TYRRELL, W. P. Tennessee beef cattle calendar. Tenn. Univ. Ext. Publ. 544, 16 p. June 1966. 275.29 T25
Management in beef production program.
- 2965 VAN VLECK, D. Which cows should be culled? Hoard's Dairyman 111(18):1079, 1110. Sept. 25, 1966. 44.8 H65
- 2966 VOIGTLANDER, K. H. The composition of milk of single udder quarters. (Ge) Arch. Tierzucht 9(3):213-221. Ref. 1966. 49 Ar23
English summary.
- 2967 WAGNER, H. J. Individual differences in the fatty acid spectrum of milk fat with unchanged environment and feeding. (Ge) Fette, Seifen, Anstrichmittel 68(8):631-634. Aug. 1966. 384 C422
English summary.
- 2968 WALSH, M. J. Dairy husbandry at Moorepark. Farm Res. News 6(5):109-111. Sept./Dec. 1965. 10.5 F223
National Dairying Research Centre, Moorepark, Ireland.
- 2969 WARNER, J. H. Beef cows herds. Ohio. State Univ. Ext. Bull. 475, 35 p. June 1966. 275.29 Oh32
Care.
- 2970 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Request for Dairy Herd Improvement Association supplies. Wash. State Univ. Ext. E. M. 1306, rev., 2 p. June 3, 1966. 275.29 W27Mi
- 2971 WIDTOFT, B. Increase in intensity of milk production. (Sw) Varmlands Lans Hushallningsallsk. Arsbetr. 1966:147-149. 11 V43
- 2972 WILSON, L. L., and others. Beef cattle improvement. Purdue U. Ind. Agr. Ext. Mimeo AS-328, 3 p. Mar. 1965. 49.9 In23
K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.
- 2973 WILSON, L. L., and others. Development of the beef cattle industry. Purdue U. Ind. Agr. Ext. Mimeo AS-327, 3 p. Mar. 1965. 49.9 In23
K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.
- 2974 WILSON, L. L. Improving calving percent in beef herds. Purdue U. Ind. Agr. Ext. Mimeo AS-340, 5 p. Mar. 1966. 49.9 In23
Management, feeding, and breeding.
- 2975 WILSON, L. L. Know the "ins and outs" of performance testing. Feedlot 8(10):50-52. Oct. 1966. 43.8 F32
Beef cattle.
- 2976 WILSON, L. L., MACDONALD, K. G., and MAYO, H. H. Management and nutrition of new feeder cattle. Purdue U. Ind. Agr. Ext. Mimeo AS-341, 7 p. Mar. 1966. 49.9 In23
- 2977 WINN, J. H. Total beef calf crop holds steady from '65. Feedlot 8(9):10-11, map. Sept. 1966. 43.8 F32
- 2978 YOUNG, W. Early and late cattle raising in Solano County. Calif. Cattleman 49(4):24-27. Apr. 1966. 43.8 C12

DOGS AND CATS

Breeds and Breeding

- 2979 AMERICAN BREED SURVEY SOCIETY FOR GERMAN SHEPHERD DOGS. Survey reports for 1963-1964-1965. Vol. 4. n.p., 1965. 151 p. 48.9 Am36
- 2980 AUSTRALIAN AND NEW ZEALAND GREYHOUND ASSOCIATION. The Australian Greyhound studbook. Volume 19, 1964-1965. Melbourne, 1965. 759 p. 48.9 Au7
- 2981 CAT FANCIERS' ASSOCIATION. Stud book, volume 89. n.p., 1966. 144 p. 48.9 C282
- 2982 KAMPHANS, S. Our Beagles. Blue Book Vet. Prof. 11:25-28. 1966. 41.9 B61Ae
- 2983 MCKELVIE, D. H., and ANDERSEN, A. C. Production and care of laboratory Beagles. Inst. Anim. Tech. J. 17(1):25-33. Ref. Mar. 1966. QL55.15

- 2984 SCHWEIZERISCHE KYNOLOGISCHE GESELLSCHAFT. Schweizerisches Hunde-Stammbuch [Swiss dog stud book]. Vol. LXV, 1965. Langenthal, 1966. 478 p. 48.9 Sch9
- 2985 SHAW, D. H. Genetic aspects of coat color in domestic felines. *Tuskegee Vet.* 9(1):33-39. Ref. June 1965. 41.8 T87
- 2986 SOCIÉTÉ ROYALE SAINT-HUBERT. LXXIII^e livre des origines [73rd studbook]. Brussels, 1966. 359 p. 48.9 Sol
- 2987 SVENSKA KENNELKLUBBEN. Riksstambok [The national studbook], 1963. Jonkoping, 1966. 415 p. 48.9 Sv2
- Veterinary Medicine
- 2988 ALENCAR, R. A. DE. Diocotphyoma renale of dogs; laboratory studies. (Por) *Biologico* 32 (2):34-36. Ref. Feb. 1966. 442.8 B529
- 2989 ANDERSON, N. V. Laboratory diagnosis of the canine pancreatic diseases. *Southwest. Vet.* 19(2):119-123. Winter 1966. 41.8 So82
- 2990 ANDERSSON, B., and OLSSON, K. Effects of bilateral amygdaloid lesions in nervous dogs. *J. Small Anim. Pract.* 6(5):301-308. Oct. 1965. 41.8 J8292
- Amygdaloid region of the brain; includes surgery.
- 2991 AURELI, G., and LAURIA, A. Ultrastructural aspects of serous cells, mucous and serous-mucous; research on pancreas, parotid gland and submandibular gland of domestic dog. (It) *Clin. Vet.* 89(6):174-193. Ref. June 1966. 41.8 C61
- English summary.
- 2992 BAKER, G. J. Pleural foreign body in a dog. *J. Small Anim. Pract.* 7(6):427-430. Ref. June 1966. 41.8 J8292
- Surgical removal.
- 2993 BAKOSS, P., and others. Experimental leptospirosis with *Leptospira icterohaemorrhagiae* in dog. (Fr) *Inst. Pasteur Tunis, Arch.* 42(1):71-84. Ref. Mar. 1965. 448.3 In72
- F. B. Osman, N. Heldt, A. Chadli, and M. Kchouk, joint authors.
- English summary.
- 2994 BANKS, W. C., and SCHULZ, C. W. Pregnancy diagnosis in the canine. *Southwest. Vet.* 19(2):143-146. Winter 1966. 41.8 So82
- 2995 BARDENS, J. W. Congenital malformation of the foramen magnum in dogs. *Southwest. Vet.* 18(4):295-298. Summer 1965. 41.8 So82
- 2996 BARONE, R., and GUELFI, J. Normal radiological pictures of the head of dog. (Fr) *Cah. Med. Vet.* 35(3):113-146. Ref. May/June 1966. 41.8 C11
- 2997 BELL, A. F. Dental disease in the dog. *J. Small Anim. Pract.* 6(6):421-428. Ref. Dec. 1965. 41.8 J8292
- 2998 BELL, J. D., and PIERMATTEI, D. L. Osteosarcoma of the frontal and parietal bones of a dog. *Southwest. Vet.* 18(3):193-197. Spring 1965. 41.8 So82
- 2999 BERNIS, W. O. Use of the intramedullary pin in the femur and humerus fractures of the dog. (Por) *Minas Gerais. Univ. Fed. Escol. Vet. Arg.* 16:265-279. Ref. 1964, pub. 1965. 41.9 M662
- English summary.
- 3000 BERRIER, H. H. The use of blood in the diagnosis of certain canine diseases. *Vet. Scope [Kalamazoo]* 10(2):2-7. 16. Ref. 1965. 41.8 Up4
- 3001 BOHN, F. K. Cardiovascular examination of dogs with unconsciousness and convulsions of short duration. (Ge) *Deut. Tierarztl. Wochenschr.* 73(13):311-314. July 1, 1966. 41.8 D482
- English summary.
- 3002 BOUNDS, G. L. Chronic babesiosis. *Southwest. Vet.* 19(1):64-65. Fall 1965. 41.8 So82
- In a dog.
- 3003 BOWDEN, R. S. T. The danger of dog and cat worms to children. *J. Small Anim. Pract.* 6(5):367-370. Oct. 1965. 41.8 J8292
- 3004 BURKI, F. On the organ affinity of feline picorna viruses. (Ge) *Zentralbl. Bakterirol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 200 (3):281-289. Ref. July 1966. 448.3 C33
- English summary.
- 3005 BÜSSEL, R. H. Canine distemper virus, a review. *Tex. Rep. Biol. Med.* 24(sup.):386-391. June 1966. 448.8 T31
- 3006 CATOR, R. L. Posterior luxation of radius and ulna. *Southwest. Vet.* 19(1):62-63. Fall 1965. 41.8 So82
- Of a dog.
- 3007 CHERNESKY, S. J. K., and CAWLEY, A. J. Successful surgical treatment of bilateral renal calculi in a dog. *Can. Vet. J.* 7(1):18-22. Jan. 1966. 41.8 R3224
- 3008 CHUN-SYN, F. Case of guinea-worm disease in a domestic cat in Kazakhstan. (Rus) *Med. Parazit. Parazitarn. Bolezn* 35(3):374-375. May/June 1966. 448.8 M469
- 3009 CLARK, L., and ENGLISH, P. B. Carcinoma of the prostate gland in a dog. *Australian Vet. J.* 42(6):214-218. June 1966. 41.8 Au72
- 3010 COATS, D. Malignant melanoma in a dog—a case study. *Ill. Vet.* 8(4):19, 21, 23. Fall 1965. 41.8 IL62
- 3011 COLLINS, J. D., HUGHES-ELLIS, T., and O'REILLY, P. J. Blood transfusion therapy for warfarin intoxication in the dog utilizing polyvinyl chloride plastic transfusion units. *Irish Vet. J.* 20(1):4-8. Jan. 1966. 41.8 Ir4
- 3012 COLLINS, J. D. Tuberculosis in the dog as a zoonosis. *Irish Vet. J.* 19(10):190-197. Ref. Oct. 1965. 41.8 Ir4
- 3013 COSTA, H. M. DE A., and FREITAS, M. G. Hookworm infection in dog; on the relation between the number of eggs found in dog feces and the number of hookworms harbored. (Por) *Minas Gerais. Univ. Fed. Escol. Vet. Arg.* 16:223-229. Ref. 1964, pub. 1965. 41.9 M662
- English summary.
- 3014 CURIAL, O. Lesions of the adrenals and nervous autonomic ganglia in dogs affected with rabies. (Por) *Minas Gerais. Univ. Fed. Escol. Vet. Arg.* 16:139-161. Ref. 1964, pub. 1965. 41.9 M662
- English summary.
- 3015 DOUGLAS, S. W., and KELLY, D. F. Calcinosiis circumscripta of the tongue. *J. Small Anim. Pract.* 7(6):441-443. June 1966. 41.8 J8292
- In dogs.
- 3016 DOXEY, D. L. Cellular changes in the blood as an aid to diagnosis. *J. Small Anim. Pract.* 7(1):77-89. Jan. 1966. 41.8 J8292
- In dogs and cats.
- 3017 DOXEY, D. L. Some conditions associated with variations in circulating oestrogens—blood picture alterations. *J. Small Anim. Pract.* 7(5):375-385. Ref. May 1966. 41.8 J8292
- In dogs.
- 3018 FAILLIE, J., and THERY, A. Contribution to the study of treatment of tumors of dog in daily practice. (Fr) *Encycl. Vet. Period.* 22(2):137-146. July/Sept. 1965. 41.8 En1
- 3019 FARINA, R., and others. Canine leptospirosis; experimental *Leptospira hyos* infection. (It) *Pisa. Univ. Stud. Fac. Med. Vet. Ann.* 18:301-318. Ref. 1965, pub. 1966. 41.9 P67
- E. Andreani, G. della Croce, and A. G. Biondi, joint authors.
- English summary.
- 3020 FARLEY, M. Thallium toxicity in the dog. *Iowa State Univ. Vet.* 27(3):117-118. 1965. 41.8 V6425
- 3021 FOX, M. W. The clinical significance of age differences in the effects of decerebration and spinal cord transection in the dog. *J. Small Anim. Pract.* 7(1):91-98. Ref. Jan. 1966. 41.8 J8292
- 3022 FOX, M. W., STONE, A. B., and ROVINE, B. W. Traumatic temporal lobe syndrome in the dog with atypical encephalitis. *J. Small Anim. Pract.* 7(5):387-392. May 1966. 41.8 J8292

- 3023 FRASER, G. Aetiology of otitis externa in the dog. *J. Small Anim. Pract.* 6(6):445-451, 453-456. Ref. Dec. 1965. 41.8 J8292
Includes discussion, by W. R. Cook.
- 3024 FREITAS, M. G., and COSTA, H. M. DE A. *Echinoparadialis lamasi* (sp. n.) (Acanthocephala-Oligacanthorhynchidae) parasite in *Felis domestica* in Brazil. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arq. 16:231-234. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 3025 FUNKQUIST, B. Treatment by laminectomy. In Pettit, G. D., ed. *Intervertebral disc protrusion in the dog*, p. 150-177. Ref. 1966. SF991.P4
- 3026 GEARY, J. C. Luxation of the patella: radiographic aspects. *Auburn Vet.* 22(1):27-29. Fall 1965. 41.8 Aul
- 3027 GENTLES, J. C., DAWSON, C. O., and CONNOLLY, M. D. Keratinophilic fungi on cats and dogs. *IL Sabouraudia* 4(3):171-175. Oct. 1965. 450 Sa 8
- 3028 GOBEL, F., and ZEEB, K. Treatment of otitis and eczema in dogs with Dalmesol foam. *Blue Book Vet. Prof.* 8:33-35. 1964. 41.9 B61Ae
- 3029 GÖDINHO, H. P. Anatomical studies on the termination and anastomoses of the arterial lienalis and arterial lienal segments in the *Canis familiaris*. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arq. 16:163-196. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 3030 GORHAM, J. R. The age incidence of distemper. *Southwest. Vet.* 18(4):271-275. Ref. Summer 1965. 41.8 So82
In dogs.
- 3031 GROULADE, P., GROULADE, J., and GROS-LAMBERT, P. Age variations in the serum glycoproteins and lipoproteins of the normal cat. *J. Small Anim. Pract.* 6(5):333-351. Ref., p. 360-361. Oct. 1965. 41.8 J8292
Text also in French, p. 351-360.
- 3032 HABERMEHL, K. H. Technique of intracardiac and intrapulmonary injection in carnivores. *Blue Book Vet. Prof.* 8:6-16. Ref. 1964. 41.9 B61Ae
Chiefly dogs and cats.
- 3033 HAMILTON, J. M. Nephritis in the cat. *J. Small Anim. Pract.* 7(6):445-449. Ref. June 1966. 41.8 J8292
- 3034 HAMMATT, R. M. The use of an intraperitoneal dye in locating a ruptured thoracic duct. *Southwest. Vet.* 19(2):157. Winter 1966. 41.8 So82
In dogs.
- 3035 HANSEN, H. J. Pathogenesis of disc degeneration and rupture. In Pettit, G. D., ed. *Intervertebral disc protrusion in the dog*, p. 21-50. Ref. 1966. SF991.P4
- 3036 HANSEN, H. J., OLSSON, S. E., and FANK-HAUSER, R. Late injuries on spinal cord caused by thorotrast-myelography in dog; an investigation on the effect of extended alpha radiation on the central nervous system. (Ge) *Schweiz. Arch. Tierheilk.* 108(7):351-367. Ref. July 1966. 41.8 Sch9
English summary.
- 3037 HARVEY, D. G., and HOE, C. M. A simple clearance test for the assessment of renal function in dogs. *J. Small Anim. Pract.* 7(5):361-373. Ref. May 1966. 41.8 J8292
- 3038 HARVEY, D. G., and HOE, C. M. The use of paper electrophoresis for the routine identification of urinary proteins in the dog. *J. Small Anim. Pract.* 7(6):431-440. Ref. June 1966. 41.8 J8292
- 3039 HARVEY, R. B. Effects of acetylcholine infused into renal artery of dogs. *Amer. J. Physiol.* 211(2):487-492. Ref. Aug. 1966. 447.8 Am3
- 3040 HAWKING, F., PATTANAYAK, S., and SHARMA, H. L. The periodicity of microfilariae. *XL Roy. Soc. Trop. Med. Hyg. Trans.* 60(4):497-513. Ref. 1966. 448.9 R813
Includes observations in dogs.
- 3041 HO, C. C., and HSU, T. S. Esophageal invagination of the stomach in a puppy. *Can. Vet. J.* 6(12):317-318. Dec. 1965. 41.8 R3224
- 3042 HORVATH, G. What to do after whelping of dogs. (Hu) *Elovilag* 10(6):379-382. 1965. 410 EL6
- 3043 HUROY, L. I. Cervical disc disease—diagnosis and surgical treatment. *Southwest. Vet.* 19(1):37-40. Fall 1965. 41.8 So82
In dogs.
- 3044 ISAEV, L. M. Pathogenesis and clinical course of canine leishmaniasis in Uzbekistan. (Rus) *Med. Parasitol. Parazitarn. Bolezni* 35(3):259-262. May/June 1966. 448.8 M469
English summary.
- 3045 KEENE, R. B., and YARBOROUGH, J. H. Lamenesses of the racing Greyhound. *Vet. Scope [Kalamazoo]* 11(2):2-9. 1966. 41.8 Up4
- 3046 KOCHERLI, E. S. Some data on toxoplasmosis of dogs in Azerbaidzhan. 1. (Az) *Akad. Nauk Azerb. SSR. Izv. Ser. Biol. Nauk* 5:59-61. 1964. 442.9 Ak132
Abstracted in Ref. Zn. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:40. Aug. 1965. Film S-205
- 3047 KONDRAT'EV, V. P. The degree of participation of sheep dogs, farm dogs, and wild dogs in transmitting larval tapeworms to livestock in Kurgan Region. (Rus) *Vses. In-t. Gel'mintol. Tr.* 11:84-88. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 16:37. Aug. 1965. Film S-205
- 3048 LAVIDOR, S. The importance of canine blood grouping systems. *Veterinarian [Boston]* 11(5):12-13. Sept. 1965. 41.8 V6457
- 3049 LEIGHTON, R. L. Intestinal obstruction—a case report. *Calif. Vet.* 20(4):25, 27. July/Aug. 1966. 41.8 C12
In a dog.
- 3050 LE MARQUAND, M. That playful puppy can be a menace. *Health [Wellington]* 18(1):6-7. Autumn 1966. 449.8 H342
Transmitting *Toxocara canis*.
- 3051 LENNOX, W. J. Thallium poisoning. *Can. Vet. J.* 7(5):113-116. May 1966. 41.8 R3224
In a dog.
- 3052 LEWIS, R. M., and HENRY, W. B. Autoimmune hemolytic anemia in dogs. *Veterinarian [Boston]* 11(5):11-22. Sept. 1965. 41.8 V6457
- 3053 LINDLEY, J. W. Sporotrichum schenckii in the dog. *Southwest. Vet.* 18(3):234-235. Spring 1965. 41.8 So82
- 3054 LJUNGREN, G. On etiology and pathogenesis of so-called Legg-Perthes' disease (Coxa plana) in the dog; a preliminary report. (Sw) *Svensk Veterinärmed.* 18(16):459-468. Ref. Aug. 1966. 41.9 Sv23
English summary.
- 3055 LOVE, J. A case of secondary thallium poisoning in a dog. *Southwest. Vet.* 19(2):155-156. Winter 1966. 41.8 So82
- 3056 MACHINSKI, A. P. Epidemiology of trichinellosis in the Moldavian ASSR. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(3):373-374. May/June 1966. 448.8 M469
English summary.
Includes dogs and cats.
- 3057 MAEL, M. S., and BECK, J. Lymphadenitis apostematosa in a Gordon Setter puppy. *Veterinarian [Boston]* 11(5):10. Sept. 1965. 41.8 V6457
- 3058 MAKISC, D., and SMALL, E. Canine clinical dermatology. *Vet. Scope [Kalamazoo]* 10(2):10-15. Ref. 1965. 41.8 Up4
- 3059 MARSHALL, V. L. Thallium poisoning in the dog. *Iowa State Univ. Vet.* 27(3):115-117. 1965. 41.8 V6425
- 3060 MARTIN, J. Vitamin D intoxication in two puppies and a young bear. (Ge) *Deut. Tierarztl. Wochenschr.* 73(13):314-317. Ref. July 1, 1966. 41.8 D482
English summary.
- 3061 MCCRADY, J. D., VALLBONA, C., and HOFF, H. E. Neural origin of the respiratory-heart rate response. *Amer. J. Physiol.* 211(2):323-328. Ref. Aug. 1966. 447.8 Am3
In dogs, cats and chickens.
- 3062 MCGRATH, J. T. Clinical signs. In Pettit, G. D., ed. *Intervertebral disc protrusion in the dog*, p. 51-81. Ref. 1966. SF991.P4

- 3063 MOLDOVANU, G., and others. Cellular trans-
mission of lymphosarcoma in dogs. *Nature*
[London] 210(5043):1342-1343. June 25, 1966.
472 N21
- A. E. Moore, M. Friedman, and D. G. Miller,
joint authors.
- 3064 MOSIER, J. E. Nonsurgical treatment. In
Pettit, G. D., ed. *Intervertebral disc protrusion*
in the dog, p.115-133. Ref. 1966.
SF991.P4
- 3065 NEWTON, D. K., and GERRIE, W. Sarcoptic
scabies in a dog (with human involvement).
Can. Vet. J. 7(2):43. Feb. 1966. 41.8 R3224
- 3066 OLSSON, S. E. The radiologic examination.
In Pettit, G. D., ed. *Intervertebral disc pro-*
trusion in the dog, p.82-114. Ref. 1966.
SF991.P4
- 3067 OLSSON, S. E., and PETTIT, G. D. Treatment
by disc fenestration. In Pettit, G. D., ed. *In-*
tervertebral disc protrusion in the dog, p.134-
149. Ref. 1966. SF991.P4
- 3068 OSMAN, F. B., and POTY, F. Pathogenic en-
terobacteria of dogs in Tunisia; isolation of a
strain of *Citrobacter* 0127:B 8. (Fr) *Inst.*
Pasteur Tunis. Arch. 42(1):125-133. Ref.
Mar. 1965. 448.3 In2
- English summary.
- 3069 PAATSAMA, S., RISSANEN, P., and ROKKA-
NEN, P. Arthroplasty of the dysplastic canine
hip joint—an experimental study with special
reference to histochemistry and oxytetracy-
cline bone labelling. *J. Small Anim. Pract.* 7
(7):483-488. July 1966. 41.8 J8292
- 3070 PAATSAMA, S., RISSANEN, P., and ROKKA-
NEN, P. Some aspects of hip dysplasia and
coxa plana in dogs. *J. Small Anim. Pract.* 7(7):
477-481. July 1966. 41.8 J8292
- 3071 PALEN, G. F., and GODDARD, G. V. Catnip
and oestrous behaviour in the cat. *Anim.*
Behav. 14(2/3):372-377. Apr./July 1966.
410 B77
- 3072 PARKS, J. B. Slab fracture of the radial
carpal bone in a dog. *Southwest. Vet.* 19(2):
153-154. Winter 1966. 41.8 S082
- 3073 PARODI, A., and others. Mycobacterioses in
the domestic carnivore—present-day epi-
demiology of tuberculosis in the cat and dog.
J. Small Anim. Pract. 6(5):309-326. Ref. Oct.
1965. 41.8 J8292
- M. Fontaine, A. Brion, G. Tisseur, and P.
Goret, joint authors.
- In France.
- 3074 PEGG, E. J., and SHEPHARD, F. A. Common
helminth eggs and mange mites of the dog and
cat. *J. Small Anim. Pract.* 7(6):457-458.
June 1966. 41.8 J8292
- 3075 PENNOCK, P., JONSSON, L., and OLSSON,
S. E. Multiple myeloma in a dog. *J. Small*
Anim. Pract. 7(5):343-349. Ref. May 1966.
41.8 J8292
- 3076 PETTIT, G. D., ed. *Intervertebral disc pro-*
trusion in the dog. New York, Appleton-Cen-
tury Crofts, 1966. 194 p. Ref. (Appleton Vet-
erinary Medical Clinics) SF991.P4
- 3077 PETTIT, G. D. Treatment by hemilaminect-
omy. In his *Intervertebral disc protrusion in*
the dog, p.178-190. 1966. SF991.P4
- 3078 PHILLIPS, S. F., and CODE, C. F. Sorption
of potassium in the small and the large intes-
tine. *Amer. J. Physiol.* 211(3):607-613. Ref.
Sept. 1966. 447.8 Am3
- In dogs.
- 3079 PIERARD, J. Observation on the insertion of
the muscle fibularis (peroneus) longus in mam-
mals and particularly in dogs and cats. (Fr)
Can. Vet. J. 6(11):282-289. Ref. Nov. 1965.
41.8 R3224
- English summary.
- 3080 PIERCE, J. H. Treatment of Acanthosis nigri-
cans with seletoc. *Mod. Vet. Pract.* 47(10):70-
71. Sept. 1966. 47.8 N812
- In dogs.
- 3081 PRESTON, K. S., and GREVE, J. H. Eperythro-
zoosis in 4-week-old pigs. *Iowa State Univ.*
Vet. 27(3):119,127. 1965. 41.8 V6425
- 3082 RABOTTI, G. F., BUCCIARELLI, E., and
DALTON, A. J. Presence of particles with the
morphology of viruses of the avian leukosis
complex in meningeal tumors induced in dogs
by Rous sarcoma virus. *Virology* 29(4):684-
686. Ref. Aug. 1966. 448.8 V81
- 3083 RAETHER, W. Forms of movement of neutro-
phil granulocytes, lymphocytes, eosinophil
granulocytes and monocytes of healthy cats.
(Ge) *Deut. Tierarztl. Wochenschr.* 73(14):329-
336. July 15, 1966. 41.8 D482
- English summary.
- 3084 RED, J. S., and MARCUS, L. C. Granulocytic
leukemia in a cat. *J. Small Anim. Pract.* 7(6):
421-425. June 1966. 41.8 J8292
- 3085 RICHMOND, P. Clinical notes on feline res-
piratory viral disease. *J. Small. Anim. Pract.*
7(6):451-455. June 1966. 41.8 J8292
- 3086 RICKETTS, R. L., and BERKOW, J. W. Dia-
betes mellitus in dogs. *Southwest. Vet.* 19(2):
139-142. Winter 1966. 41.8 S082
- 3087 RISER, W. H., and SHIRER, J. F. Hip dysplasia:
Coxofemoral abnormalities in neonatal
German Shepherd dogs. *J. Small Anim. Pract.*
7(1):7-12. Jan. 1966. 41.8 J8292
- 3088 RITCHIE, W. P., BARZILAI, A., and DELANEY,
J. P. Mucosal cellular populations and distri-
bution in the normal canine stomach. *Anat.*
Rec. 155(1):111-115. Ref. May 1966.
447.8 An1
- 3089 ROBINETTE, J. D. Diseases of the urinary
system—selected conditions in small animals.
Can. Vet. J. 7(4):73-79. Apr. 1966. 41.8 R3224
- Dogs and cats.
- 3090 SALUTINI, E. Testosterone propionate as
therapeutic agent in chronic hyperazotemic
nephritis in dog; clinical evaluation. (It) *Pisa.*
Univ. Stud. Fac. Med. Vet. Ann. 18:37-44. Ref.
1965, pub. 1966. 41.9 P87
- English summary.
- 3091 SBERNARDORI, U. Anomaly in the topographic
relations between fetal appendages and hydrops
in a bitch. (It) *Clin. Vet.* 89(3):85-87. Mar.
1966. 41.8 C6
- English summary.
- 3092 SCHALM, O. W., and JAIN, N. C. Detection
of microfilariae using the capillary hematocrit
tube. *Calif. Vet.* 20(5):14-16. Sept./Oct. 1966.
41.8 C12
- Canine blood samples.
- 3093 SCHIEFER, B., and HANICHEN, T. Pneumonia
in cats caused by *Aelurostrongylus abstrusus*
Railliet 1898. (Ge) *Berliner Munchener Tier-*
arztl. Wochenschr. 79(13):243-246. Ref. July 1,
1966. 41.8 B45
- English summary.
- 3094 SCHINDLER, R., WOKATSCH, R., and SCHRO-
DER, G. Immunity and serological reaction
against *Babesia canis* in dogs subsequent to in-
fection with living parasites and after immuni-
zation with soluble antigen. (Ge) *Z. Tropen-*
med. Parasitol. 17(2):225-240. Ref. July 1966.
448.8 Z37
- English summary.
- 3095 SCHOEN, R. R. Canine malignant lymphoma.
Mo. Vet. 15(2):9-10. Mar. 1966. 41.8 V6444
- 3096 SCHWARTZMAN, R. M., DEUBLER, M. J.,
and DICE, P. F. Experimentally induced cuta-
neous moniliasis (*Candida albicans*) in the dog.
J. Small Anim. Pract. 6(5):327-332. Oct. 1965.
41.8 J8292
- 3097 SILVA, J. M. L. DA, and MACHADO, A. V.
Sertoli cell tumor in the dogs. (Por) *Minas*
Gerais. Univ. Fed. Escol. Vet. Agr. 16:11-18.
Ref. 1964, pub. 1965. 41.9 M662
- English summary.
- 3098 SMITH, R. N. Anatomy and physiology of the
intervertebral disc. In Pettit, G. D., ed. *In-*
tervertebral disc protrusion in the dog, p.1-
20. 1966. SF991.P4
- 3099 SOEHARSONO, S. The effect of chlorproma-
zine on the recovery from experimental hemor-
rhagic shock. *Commun. Vet.* 9(1):6-12. Ref.
June 1965. 41.8 C73
- Of dogs.

- 3100 SOGANDARES-BERNAL, F. Studies on American paragonimiasis. IV. Observations on the pairing of adult worms [Paragonimus kellicotti] in laboratory infections of domestic cats. *J. Parasitol.* 52(4):701-703. Ref. Aug. 1966. 448.8 J824
- 3101 STANSBURY, R. L. Detecting and managing feline head lesions. *Mod. Vet. Pract.* 47(10):46-46,51-53. Sept. 1966. 47.8 N812
- 3102 STARUP, F. G. Congenital abnormalities of the iris of the dog. *J. Small Anim. Pract.* 7(1):99-100. Jan. 1966. 41.8 J8292
- 3103 STEPHENSON, H. D. What can we expect of canine measles vaccine? *Vet. News* 29(1):23. Jan./Feb. 1966. 41.8 V6491
To protect puppies from canine distemper.
- 3104 STRANDE, A. Replacement of the anterior cruciate ligament in the dog. *J. Small Anim. Pract.* 7(5):351-359. May 1966. 41.8 J8292
- 3105 STRATING, A., and CLIFFORD, D. H. Canine achalasia with special reference to heredity. *Southwest. Vet.* 19(2):135-137. Ref. Winter 1966. 41.8 S082
- 3106 SUMNER-SMITH, G., and WALKER, R. G. The diagnosis of "open" and "closed" pyometra in the dog and cat. *Ref. J. Small Anim. Pract.* 6(6):429-435,437-444. Ref. Dec. 1965. 41.8 J8292
- 3107 SYMPOSIUM ON THE CORNEAL ULCER. [Papers. I-VI]. *J. Small Anim. Pract.* 7(3):253-255,257-259,261-269,271-277. Mar. 1966. 41.8 J8292
Contributors: J. S. A. Spreull, J. M. Hime, J. R. Holt, D. M. Heeley, F. G. Startup and K. C. Barnett.
Of the dog.
- 3108 VENZKE, W. G., and DONOVAN, E. F. Canine reproductive problems. *Vet. Scope* [Kalamazoo] 11(2):10-16. Ref. 1966. 41.8 U4
Diseases of sex organs.
- 3109 WEINER, D. E., and GRIM, E. Kinetics of distribution of D₂O in canine intestinal tissues. *Amer. J. Physiol.* 211(3):600-606. Ref. Sept. 1966. 447.8 Am3
- 3110 WHITTICK, W. G. The anatomy of the stifle joint of the dog and the question of patellectomy. *Veterinarian* [Boston] 11(5):9,17-20. Sept. 1965. 41.8 V6457
- 3111 WILBORN, K. R. Successful treatment of juvenile atrophy of the pancreas in the canine. *Mo. Vet.* 15(2):11-13. Ref. Mar. 1966. 41.8 V6444
- 3112 WOLKE, R. E., and NIELSEN, S. W. Site incidence of canine osteosarcoma. *J. Small Anim. Pract.* 7(7):489-492. Ref. July 1966. 41.8 J8292
- 3113 YANG, Y. H. The multicentric renal adenocarcinomas in situ of a dog. *Pathol. Microbiol.* 29(2):181-185. 1966. 449.8 Sc9
- 3114 YOUNG, M. Into the future. *J. Small Anim. Pract.* 7(7):470-475. July 1966. 41.8 J8292
Practice of veterinary medicine for small animals—chiefly dogs and cats—in Great Britain.
- Miscellaneous
- 3115 FOX, M. W., and STELZNER, D. Approach/withdrawal variables in the development of social behaviour in the dog. *Anim. Behav.* 14(2/3):362-366. Ref. Apr./July 1966. 410 B77
- 3116 FOX, M. W., and STELZNER, D. Behavioural effects of differential early experience in the dog. *Anim. Behav.* 14(2/3):273-281. Ref. Apr./July 1966. 410 B77
- 3117 PEREZ, J. S. Basic principles for the organization and construction of a dog kennel suitable for breeding and training. (Sp) *Arch. Zootec.* 14(55):283-307. (Concl.) Ref. July/Sept. 1965. 49 Ar22
English summary.
- FUR ANIMALS—PEN RAISED**
- Breeds and Breeding
- 3119 BANDOW, J. Regular inspections of male chinchillas will promote herd improvement. *Fur Trade J. Can.* 43(8):13. Apr. 1966. 410 F965
- 3119 BANDOW, J. What is wrong in chinchilla breeding? (Ge) *Deut. Pelztierzuchter* 40(5):91-93. May 1, 1966. 412.628 D48
- 3120 DAVIS, J. B. Linebreeding, understanding better the reasons when and why! *Empress Chinchilla* 22(10):16. Sept. 1966. 412.628 N21
- 3121 DEUSEN, G. The double aspects of inbreeding. (Ge) *Deut. Pelztierzuchter* 40(6):110-111. June 1, 1966. 412.628 D48
- 3122 FRINDT, A. Investigation of the sex dimorphism and constitutional type in blue fox (*Alopex lagopus* L.). (Pol) *Rocz. Nauk Roln.* 87-B-4:745-762. Ref. 1966. 20.5 R59
English summary.
- 3123 GADEN, K. Quality requirements for judging of live Blue fox. (No) *Norsk Pelsdyrbt.* 40(18):440-442. Sept. 20, 1966. 412.628 N812
- 3124 HANSEN, H. T. On my way. (Da) *Dansk Pelsdyrbt* 29(9):465. Sept. 20, 1966. 412.628 D23
Selection of mink for breeding.
- 3125 KEIL, H., and BURKHARDT, H. Mink breeding should contribute to the increase of effectivity of field work operations. (Ge) *Bruhl* 7(5):8-10. Sept./Oct. 1966. 412.628 B83
- 3126 OLSEN, H. Jet Black is here to stay. (Da) *Dansk Pelsdyrbt* 29(9):457-459. Sept. 20, 1966. 412.628 D23
Chiefly genetics.
- 3127 ROCHMANN, R. Impressions and thoughts in connection with the sorting of the Jet Black mink on the quarantine farm. (No) *Norsk Pelsdyrbt.* 40(16):398-399. Aug. 20, 1966. 412.628 N812
- 3128 SANNE, S., and AAHMAN, G. The influence of the fleshiness of female mink upon whelping results. 8 p. Transl. 16172
Translation from *Vara Palsdjur* 37(2):63-66. Feb. 15, 1966.
- Feeds and Feeding
- 3129 ADAIR, J., STOUT, F. M., and OLDFIELD, J. E. A 100 percent dry diet for growth and furring. *Amer. Fur Breeder* 39(9):13. Sept. 1966. 410 Am33
For minks.
- 3130 AHMAN, G. Baltic herping and ordinary herping as food for minks. 10 p. Transl. 16101
Translation from *Vara Palsdjur* 36(3):80-84. Mar. 15, 1965.
- 3131 AHMAN, G. Soybean oil as food for mink. 8 p. Transl. 16096
Translation from *Vara Palsdjur* 36(7):254-256,260-261. July 15, 1965.
- 3132 AHMAN, G. Stromming and South Coast herping as food for breeding mink. 6 p. Transl. 16095
Translation from *Vara Palsdjur* 35(3):50-52. Mar. 15, 1964.
- 3133 EXPERIMENTS with addition of acetic acid and phosphoric acid to the feed of mink whelps. 8 p. Transl. 16205
Translation from *Vara Palsdjur* 37(2):69-72. Feb. 15, 1966.
- 3134 GRAFF, H. A. The growing importance of nutritional research for mink. *Nat. Fur News* 38(8):20-21,28. Sept. 1966. 412.628 R59
Includes formulas.
- 3135 JORGENSEN, G. Scandinavian experiments and experiences concerning the relationship between energy and protein in mink feed. (Da) *Dansk Pelsdyrbt* 29(8):402-403,405-407. Ref. Aug. 20, 1966. 412.628 D23
- 3136 RZEWISKI, W., and RUPRECHT, A. Why supplements are necessary for good teeth. *Empress Chinchilla* 22(11):12-15. Oct. 1966. 412.628 N21
- 3137 STOUT, F. M., and OLDFIELD, J. E. Turkey waste can be effectively used in mink feeding. *Fur Trade J. Can.* 43(8):2-3. Apr. 1966. 410 F965

Veterinary Medicine

- 3138 AHMAN, G. New experimental technique makes possible precise studies of hair growth. 4 p. Transl. 16097
Of minks, using electron microscopy. Translation from *Vara Palsdjur* 36(12):180-182. Dec. 1, 1965.
- 3139 BUDD, J., PRIDHAM, T. J., and KARSTAD, L. H. A. Common diseases of fur bearing animals. I. Diseases of mink. *Can. Vet. J.* 7(2): 25-31. Ref. Feb. 1966. 41.8 R3224
- 3140 DUKELOW, W. R. Variations in gestation length of mink (*Mustela vison*). *Nature [London]* 211(5045):211. July 9, 1966. 472 N21
- 3141 GORHAM, J. R. Laboratory procedures for determining the bacterial cause of death in mink. *Nat. Fur News* 38(8):25. Sept. 1966. 412,628 R59
- 3142 HENSON, J. B., WILLIAMS, R. C., and GORHAM, J. R. Isolation of serum fractions capable of producing Aleutian disease in mink. *J. Immunol.* 97(3):344-349. Ref. Sept. 1966. 448,8 J8232
- 3143 KRAFT, H. Chinchilla diseases. *Blue Book Vet. Prof.* 11:7-12. Ref. 1966. 41.9 B61Ae
- 3144 PEREZ Y PEREZ, F. Research on prolonged chinchilla anestrus. (Sp) *Madrid. Indst. Invest. Vet. An.* 14/15:131-179. Ref. 1964-65. 41.9 M262
- 3145 PRIDHAM, T. J., BUDD, J., and KARSTAD, L. H. A. Common diseases of fur bearing animals. II. Diseases of chinchillas, nutria, and rabbits. *Can. Vet. J.* 7(4):84-87. Ref. Apr. 1966. 41.8 R3224
- 3146 PRIDHAM, T. J. *Pseudomonas* infection in the chinchilla. *Fur Trade J. Can.* 43(7):8-9. Mar. 1966. 410 F965
Pseudomonas aeruginosa as cause especially of enteritis and septicemia.
- 3147 TIKHONOV, I. F. On the anatomical structure of reproductive organs of mink. (Rus) *Petrozavodsk. Petrozavodskii Un-t. Uch. Zap.* 12(2): 77-83. 1964. Not in Libr.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 17:2. Sept. 1965. Film S-205
- 3149 YANG, C. K., and CH'EN, K. C. Observation of the therapy effect of dipterox on self-biting sickness of *Mustela vison* Schreber. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):26. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:18. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3149 YUDIN, A. M. The effect of drugs from *Eleutherococcus* on the sexual activity of the American mink (*Mustela vison*). (Rus) *Akad. Nauk SSSR, Sibirek. Otd. Dal'nevostoich. Filial. Soobshch.* 23:19-24. 1964. Not in Libr.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 14:11. July 1965. Film S-205

Miscellaneous

- 3150 CARDINALI, M. Chinchilla; thoughtful rearing. (It) *Inform. Zootec.* 13(4):145-147. Feb. 28, 1966. 49 In3
- 3151 CORNETT, B., and CORNETT, J. Data and numbers on the average performance of American chinchilla farmer point to progress and facts. (Ge) *Deut. Pelztierzuechter* 40(6):112-115. June 1, 1966. 412,628 D48
- 3152 HARTSOUGH, G. R. Research hints: "not good for mink to live alone." *Amer. Fur Breeder* 39(9):25-27. Sept. 1966. 410 Am33
- 3153 JOHANNSEN, W. Hygiene and health considerations in establishing and equipping mink farms. (Ge) *Gesundheitswesen Desinfekt.* 57 (11):159-163. Nov. 1965. 449,8 Z36P
- 3154 SENZ, W. Fur quality of coypus, IV. (Ge) *Deut. Pelztierzuechter* 40(5):87-89. May 1, 1966. 412,628 D48
- 3155 SLAWINSKI, T. Investigations on the composition of the milk of nutria during lactation period. (Pol) *Rocz. Nauk Roln.* 87-B-4:763-771. Ref. 1966. 20.5 R59
English summary.

HORSES AND MULESBreeds and Breeding

- 3156 ALBRIGHT, V. The horse with fluid drive. *West. Horseman* 31(10):38,63. Oct. 1966. 42.8 W522
Peruvian Paso.
- 3157 ARMSTRONG, E. S. Pony of the Americas. *West. Horseman* 31(10):74-75,96. Oct. 1966. 42.8 W522
- 3158 BLACK, M. A. The Albino pony. *West. Horseman* 31(10):36,69. Oct. 1966. 42.8 W522
- 3159 COBB, J. Westphalian horses. *West. Horseman* 31(10):92,133. Oct. 1966. 42.8 W522
- 3160 DABCZEWSKI, Z. S. The hereditary blood properties in horses. *Irish Vet. J.* 19(10):183-189. Ref. Oct. 1965. 41.8 Ir4
- 3161 DOUGALL, N. The Andalusian. *West. Horseman* 31(10):24,168,170. Oct. 1966. 42.8 W522
- 3162 GOODALL, R. E. The Arabian. *West. Horseman* 31(10):34-35,108,110-111. Oct. 1966. 42.8 W522
- 3163 HATLEY, G. B. The Appaloosa. *West. Horseman* 31(10):22-23,117-118,120. Oct. 1966. 42.8 W522
- 3164 KLEMENT, J. The growth of Thoroughbred horses. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(6):429-438. Ref. June 1966. 49.9 C33
English summary.
- 3165 KRATZ, J. F. The Palomino. *West. Horseman* 31(10):60-61. Oct. 1966. 42.8 W522
- 3166 LOY, R. G. Breeds of horses. In *Cole, H. H., ed. Introduction to livestock production, including dairy and poultry*, ed. 2, p. 186-200. 1966. SF61.C6
- 3167 MCCOWN, B. The Tennessee Walking Horse. *West. Horseman* 31(10):21,161-162. Oct. 1966. 42.8 W522
- 3168 MCMULLEN, R. The Mustang. *West. Horseman* 31(10):26,53. Oct. 1966. 42.8 W522
- 3169 OWEN, D. Breeding problems in mares. *Norden News* 41(3):8-11. Summer 1966. 41.8 N75
- 3170 OWEN, M. A. The Morgan. *West. Horseman* 31(10):42-43,145-149. Oct. 1966. 42.8 W522
- 3171 PHELPS, F. T. The Thoroughbred. *West. Horseman* 31(10):72-73,134-135. Oct. 1966. 42.8 W522
- 3172 RAY, P. The halfbred. *West. Horseman* 31(10):14,156-160. Oct. 1966. 42.8 W522
- 3173 REEVES, F. Sidelights on the Quarter Horse. *Cattleman* 53(5):58-59. Oct. 1966. 49 C29
- 3174 ROLLINS, W. C. Genetic improvements in horses. In *Cole, H. H., ed. Introduction to livestock production, including dairy and poultry*, ed. 2, p. 320-332. Ref. 1966. SF61.C6
- 3175 SAMVIRKENDE DANSKE HUSMANDSFORENINGER. UDVALG FOR STAMBOGSFORING FOR HESTE AF FJORDRACEN. Stambog over heste af fjordracen [Studbook of horses of the Fjord breed], by Henning Rasmussen. XIII. Aarhus, 1965. 159 p. 42.9 Sa42S
- 3176 SPENCE, S. The Paint Horse. *West. Horseman* 31(10):43-49,164-165. Oct. 1966. 42.8 W522
- 3177 STUD book francais: naissances des produits de Pur-Sang Anglais et des produits de Pur-Sang inscrits sur la liste A en 1965 [French stud book: births of English Thoroughbreds and of Thoroughbreds inscribed in list A in 1965]. Vol. 33, sup. 1. Paris, 1966. 218 p. 42.9 F843
- 3178 WILKINSON, G. The Quarter Horse. *West. Horseman* 31(10):18-20,102,104,106. Oct. 1966. 42.8 W522

- WOJCIECHOWSKI, J. The growth of Thoroughbred foals. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 12:81-85. 1964. pub. 1965. 49.9 B75
English summary.
- Feeds and Feeding
- DATTILO, M. Feeding of race horse. (It) Inform. Zootech. 13(15/16):651-659. Aug. 15/31, 1966. 49 In3
- Veterinary Medicine
- ADAMS, O. R. Local anesthesia as an aid in equine lameness diagnosis. Norden News 41(1):20-23, 25-27. Jan. 1966. 41.8 N75
- ALIBASOGLU, M., and YALCINER, S. A general review of the diseases of horses in the area of Ankara in the years 1933-1961. (Tu) Ankara Univ. Vet. Fak. Dergisi 12(1/2):98-111. 1965. 41.9 An4D
English summary.
- AMDOR, J. Equine pseudohermaphroditism. Iowa State Univ. Vet. 27(3):120-121. 1965. 41.8 V6425
- AMIN, A., and others. Behavior of the serum proteins in starch-agar-gel electrophoresis. Inst. Razi. Arch. 17:93-99. Dec. 1965. 41.9 In72
K. D. Shamloo, M. Korour, and H. Manhouei, joint authors.
Includes mules.
- AMIN, A., and SHAMLOW, K. D. Occurrence of paralbuminemia in mule. Inst. Razi. Arch. 17:85-88. Ref. Dec. 1965. 41.9 In72
- EL AMROUSI, S., and SOLIMAN, M. K. Serum calcium, potassium and sodium of healthy horses three to fourteen years of age. Can. Vet. J. 6(10):253-256. Ref. Oct. 1965. 41.8 R3224
- BELLIO, T. R. Routine alternation of two anthelmintics in horses for effective reduction of strongyle eggs. Southwest. Vet. 18(4):299-305. Summer 1965. 41.8 So82
Phenothiazine and equine vermifuge used.
- BELONOGOV, M. I. Morphological indices of the blood of Akhal-Teke and Iomut horses in the Turkmen SSR. (Ru) Turkmenskii S.-Kh. In-t., Ashkhabad. Tr. 13:126-135. 1964. 106 T943
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:1. Aug. 1965. Film S-205
- BRATTON, G. Intestinal prolapse following repair of recto-vaginal laceration. Southwest. Vet. 19(2):158. Winter 1966. 41.8 So82
In a mare.
- CHAO, T. J., and CHAO, A. P. Herbal treatment of shivering disease of horse or donkey. (Ch) Chung-kuo Shou I Tsa Chih 4(1):18-19. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:8. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- CH'EN, K. H. Experiences on the prevention and treatment of epidemic lymphangitis. (Ch) Chung-kuo Shou I Tsa Chih 4(1):24-25. Jan. 1966. 41.8 C476
Horse.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:16-17. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
- CORCORAN, C. J., and WHITE, D. S. Isolation of Brucella abortus from a case of atlantal bursitis in the horse. Irish Vet. J. 20(1):8-10. Ref. Jan. 1966. 41.8 Ir4
- EBERT, E. F. A general discussion of indigestion in the equine. Southwest. Vet. 19(1):53-55. Fall 1965. 41.8 So82
- ERSHOV, F. I., and VAGZHANOVA, V. A. Dynamics of growth of Venezuelan equine encephalomyelitis virus in tissue culture cells. (Rus) Vop. Virusol. 2:176-181. Ref. Mar./Apr. 1965. 44.8 P942
English summary.
- ERSHOV, F. I., ZHDANOV, V. M., and TSAREVA, A. A. Reproduction of Venezuelan equine encephalomyelitis virus in cells treated with actinomycin. (Rus) Antibiotiki 10(3):250-255. Ref. Mar. 1965. 39.6 An84
English summary.
- FARRELLY, B. T., COLLINS, J. D., and COLLINS, S. M. Autoimmune haemolytic anaemia (AHA) in the horse. Irish Vet. J. 20(3):42-45. Mar. 1966. 41.8 Ir4
- GEDDES, L. A., HOFF, H. E., and MCCRADY, J. D. Electronarcosis in horses. Southwest. Vet. 18(3):185-191. Ref. Spring 1965. 41.8 So82
- GEDDES, L. A., MCCRADY, J. D., and HOFF, H. E. The impedance nystagmogram—a record of the level of anesthesia in the horse. Southwest. Vet. 19(1):23-25. Fall 1965. 41.8 So82
- GOLDMAN, J. Wobbler syndrome. Southwest. Vet. 18(3):237-238. Spring 1965. 41.8 So82
In a young horse.
- HALL, J. E. Multiple maduromycotic mycetomas in a colt caused by Helminthosporium. Southwest. Vet. 18(3):233-234. Spring 1965. 41.8 So82
- HEAD, H. M. Medial deviation of the carpal joints in foals (knock knees). Southwest. Vet. 18(3):238-239. Spring 1965. 41.8 So82
- HEINZE, C. D. Epiphyseal stapling in the horse; an effective surgical technique for correcting angular limb deformities. Mod. Vet. Pract. 47(10):40-44. Sept. 1966. 47.8 N812
- HEINZE, C. D., and ALLEN, A. R. Repair of third-degree perineal lacerations in the mare. Vet. Scope [Kalamazoo] 11(1):12-15. 1966. 41.8 Up4
- HEPTNER, B. Über den Kalzium- und Phosphorspiegel im Blutserum des Pferdes [Calcium and phosphorus in the blood serum of horse]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 24,36 p. Ref. 1965. 41.2 H198
- HUANG, C. F., SHIH, Y., and FU, Y. F. A study of the principle of variation of chemical composition of blood in horses suffering from contagious anemia. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:61-66. Sept. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:79. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- KLIMENKO, S. M., and others. On the structural organization of VEE [Venezuelan equine encephalomyelitis] virus. (Rus) Vop. Virusol. 5:520-525. Sept./Oct. 1965. 44.8 P942
F. I. Ershov, YU. P. Gofman, A. P. Nabatnikov, and V. M. Zhdanov, joint authors.
English summary.
- KUPFER, G. T61 used in large animals. Blue Book Vet. Prof. 8:32-33. 1964. 41.9 B61Ae
Euthanasia of horses.
- LELAND, S. E. Worm parasites. Fla. Cattleman Livestock J. 31(1):94-94B. Oct. 1966. 43.8 F66
In the horse; includes treatment.
- LI, H. C. Treatment of equine catarrh through the use of T'ien-ma-san (Gastrodia elata Bl. compound). (Ch) Chung-kuo Shou I Tsa Chih 4(1):19. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:9. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- LI, Y. S. Exploratory thoracotomy of horses and mules. (Ch) Chung-kuo Shou I Tsa Chih 4(1):9-12. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:4-5. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.

- 3211 LIN, C. C. Treatment of a twisting injury to a horse by the use of Hung-hua-san (*Carthamus tinctorius* L. compound). (Ch) Chung-kuo Shou I Tsa Chih 4(1):20, Jan.1966, 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:11, Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3212 MAMMOLI, R. A case of lameness [in a horse] from torsion of the cryptorchid testicle. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:256-264, Ref. 1965, pub.1966, 41.9 P67
English summary.
- 3213 MARCILESE, N. A., and others. Red cell survival time in the horse, determined with di-isopropyl-phosphorofluoridate-P32. Amer. J. Physiol. 211(2):281-282, Ref. Aug.1966, 44:8 Am3
H. D. Figueiras, S. Kremenchukzy, R. M. Valsecchi, H. R. Camberos, and J. E. Varela, joint authors.
- 3214 MAROLT, J., and ILLIAS, B. A contribution to the dental pathology of horses. (Ge) Deut. Tierarztl. Wochenschr. 73(15):368,373, Aug.1, 1966, 41.8 D482
English summary.
- 3215 MCGUIRE, T. Sequestra in the temporal region of a horse. Southwest. Vet. 19(1):63-64, Fall 1965, 41.8 So82
- 3216 MCSHERRY, B. J., ROE, C. K., and MILNE, F. J. The hematology of phenothiazine poisoning in horses. Can. Vet. J. 7(1):3-12, Ref. Jan.1966, 41.8 R3224
- 3217 MILLER, R. M. Gelding colts. West. Horseman 31(10):58, Oct.1966, 42.8 W522
- 3218 MIRCHAMSY, H., and TASLIMI, H. Attempts to vaccinate foals with living tissue culture adapted horse sickness virus. Inst. Razl. Arch. 17:17-27, Ref. Dec.1965, 41.9 In72
- 3219 MIRCHAMSY, H., and TASLIMI, H. Immunization against African horse sickness with tissue-culture-adapted neurotropic viruses. Inst. Razl. Arch. 17:29-38, Ref. Dec.1965, 41.9 In72
- 3220 MIRCHAMSY, H., and TASLIMI, H. Inhibitory effect of heparin on African horse sickness virus. Inst. Razl. Arch. 17:89-91, Dec.1965, 41.9 In72
- 3221 NOONE, J. P. Scrotal herniation of the urinary bladder in the horse. Irish Vet. J. 20(1):11, Jan.1966, 41.8 Ir4
- 3222 O'REILLY, L. M. The isolation of Bazeley and Battle's type 5 Streptococcus from a case of equine mastitis. Irish Vet. J. 19(10):198-202, Oct.1965, 41.8 Ir4
- 3223 OZAWA, Y., and HAZRATI, A. Growth of African horse-sickness virus in monkey kidney cell cultures. Inst. Razl. Arch. 17:71-84, Ref. Dec.1965, 41.9 In72
- 3224 OZGUDEN, T. Case of a uvula on the head of an ass used as a dissection carcass. (Ge) Ankara Univ. Vet. Fak. Dergisi 12(1/2):1-5, 1965, 41.9 An4D
- 3225 PRITCHARD, C. C. Relationship between conformation and lameness in the equine foot. Auburn Vet. 22(1):11-14,29, Ref. Fall 1965, 41.8 Au1
- 3226 RAGLAND, W. L., KEOWN, G. H., and GORHAM, J. R. An epizootic of equine sarcoid. Nature [London] 210(5043):1399, June 25,1966, 472 N21
- 3227 ROMANE, W. M., and others. Cystitis syndrome of the equine. Southwest. Vet. 19(2):95-99, Ref. Winter 1966, 41.8 So82
L. G. Adams, T. L. Bullard, and J. W. Dollahite, joint authors.
Associated with sudan pastures.
- 3229 SASIMOWSKI, E., and BUDZYNSKI, M. Comparative analysis of horse body weight determination methods on the basis of measurements. (Pol) Roczn. Nauk Roln. 88-B-2:177-194, Ref. 1966, 20.5 R59
English summary.
- 3229 SCHMITT, D. Pferdeheilkundliche Bearbeitungen von Albertus Magnus, Jordanus Rufus und Meister Albrant in Heidelberg Codex palatinus germanicus 408 [Works in horse medical science of Albertus Magnus, Jordanus Rufus and Meister Albrant in the Heidelberg Codex palatinus germanicus 408]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 43,169 p, 1965, 41.2 H198
Bibliography, p.163-168.
- 3230 SHIDELER, R. K. A booster and a bonus for equine practice. Southwest. Vet. 19(1):26-27, Fall 1965, 41.8 So82
- 3231 SHIH, T. C., and CHANG, C. H. Treatment of epidemic lymphangitis of horse by the use of terramycin hydrochlorate. (Ch) Chung-kuo Shou I Tsa Chih 4(1):23-24, Jan.1966, 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:16, Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3232 SIMMONS, J. A case of ulcerative lymphangitis. Southwest. Vet. 18(3):235-236, Spring 1965, 41.8 So82
In a mare.
- 3233 SOPER, W. T. Effect of sodium bicarbonate on plaque formation by two strains of Venezuelan equine encephalomyelitis virus. Can. J. Microbiol. 12(4):872-873, Aug.1966, 44:8 C162
- 3234 SPRECHER-GOLDBERGER, S. The existence of two different metabolic patterns for the synthesis of RNA viruses. Arch. Gesamte Virusforsch. 18(2):198-209, 1966, 44:8, 3 Ar23
Wild type of western equine encephalomyelitis virus and its small plaque mutant.
- 3235 TITUS, R. S. Furazolidone as a topical antimicrobial on the equine. Southwest. Vet. 18(3):213-214, Spring 1965, 41.8 So82
For treatment of wounds.
- 3236 VALE, M. M. Colic of very slow onset. Southwest. Vet. 18(4):319-320, Summer 1965, 41.8 So82
In a horse.
- 3237 WAN, P. F., and others. Operation method of persistent constipative hernia of the horse and mule. (Ch) Chung-kuo Shou I Tsa Chih 4(1):4-6, Jan.1966, 41.8 C476
C. C. Chu, C. P. Ch'en, T. J. Wen, C. S. Hsu, K. C. Lei, and M. L. Tsou, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:2-3, Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3239 WANG, S. W. Method for reducing the occurrence of constipation and increasing its recovery rate. (Ch) Chung-kuo Shou I Tsa Chih 4(1):17-18, Jan.1966, 41.8 C476
Horses.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:7, Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3239 WATERS, G. Iliac thrombi in a horse. Southwest. Vet. 18(4):316-317, Summer 1965, 41.8 So82
- 3240 WOJCIK, K. The behavior of total protein as well as protein fractions in blood serum during the beginning of pregnancy in the mare. (Pol) Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 7:23-41, Ref. 1965, 49.9 K852
English summary.
- 3241 YANG, L. Preliminary experience with 62 cases of constipative hernia of horses using the technique of breaking scybalous feces. (Ch) Chung-kuo Shou I Tsa Chih 4(1):3-4, Jan.1966, 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:1-2, Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.

Veterinary Medicine

- 3242 YEN, H. C. One case of spleen disturbance of a horse treated by using the Yu-chin-san (aurum compound) prescription. (Ch) Chung-kuo I Tsa Chih 4(1):18. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:7-8. Mar.25.1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTL
- 3243 ZHDANOV, V. M., and ERSHOV, F. I. Inhibition of reproduction of Venezuelan equine encephalomyelitis virus with puromycin. (Rus) Antibiotiki 10(3):255-259. Ref. Mar.1965. 396.8 An84
English summary.

Miscellaneous

- 3244 DESKUR, S., and DOROSZEWSKI, B. Preliminary investigation on slaughter value of foals. (Pol) Roczn. Nauk Roln. 88-B-2:195-216. Ref. 1966. 20.5 R59
English summary.
- 3245 MILLER, J. C. Horse management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2,p.640-657. 1966. SF61.C6
- 3246 MODERN VETERINARY PRACTICE. Our panel reports: what procedures do you routinely follow, including advice to owners, in handling newborn foals? Mod. Vet. Pract. 47(10):59-60,62. Sept.1966. 47.8 N812
- 3247 TORTORELLI, N. Unjust condemnation of horses. (It) Inform. Zootec. 13(7):283-286. Apr.15,1966. 49 In3
For meat production.

LABORATORY ANIMALS, SMALLBreeds and Breeding

- 3249 BINDON, B. M., and LAMOND, D. R. Description of a mouse colony used for research in reproductive physiology. Inst. Anim. Tech. J. 17(1):6-15. Ref. Mar.1966. QL55.I5
- 3249 DAVIDSON, J. M. Characteristics of sex behaviour in male rats following castration. Anim. Behav. 14(2/3):266-272. Ref. Apr./July 1966. 410 B77
- 3250 LIPSCOMBE, C., BLEBY, J., and PORTER, G. The effect of three methods of mating on reproduction in mice. Inst. Anim. Tech. J. 17(1):1-5. Mar.1966. QL55.I5
- 3251 PORTER, G., and BLEBY, J. The effects of age at mating on reproduction in mice. Inst. Anim. Tech. J. 17(1):16-19. Mar.1966. QL55.I5
- 3252 ROBINSON, R. Genetics of the Norway rat. Oxford, Pergamon, 1965. 804 p. (International Series of Monographs in Pure and Applied Biology. Division: Zoology, v.24) QL737.R6R5
Bibliography, p.731-782.
- 3253 VAN ABBELEN, J. H. F. Effects of genotype on mouse behaviour. Anim. Behav. 14(2/3):218-225. Ref. Apr./July 1966. 410 B77

Feeds and Feeding

- 3254 ADRIAN, J., and FRANGNE, R. Compared role of groundnut's testa and wheat bran in the rat's feed ration. (Fr) Oleagineux 21(8/9):535-537. Aug./Sept.1966. 77.8 OL2
English summary, p.XLVI
- 3255 EGGUM, B. O., and SWIFT, R. L. Irradiated blood meal and bone meal for rats. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):45-47. 49.9 D41
- 3256 SEVILLA-EUSEBIO, J., MADAMBA, L. S. P., and EUSEBIO, J. A. A study on the effects of vitamin A deficiency in white corn-fed guinea pigs. Philippine Agr. 49(2):105-113. Ref. July 1965. 25 P542

- 3257 ALTERAS, I. Human dermatophyte infections from laboratory animals. Sabouraudia 4(3):143-145. Oct.1965. 450 Sa8
Chiefly Trichophyton mentagrophytes from guinea pigs.
- 3259 ATKINSON, F. F. V., and HARD, G. C. Chronic fluorosis in the guinea-pig. Nature [London] 211(5047):429-430. July 23,1966. 472 N21
- 3259 BAIGUN, R. Production of short periods of anesthesia with dry ice (CO₂) on laboratory animals. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):47-51. Jan./Feb.1966. 41.8 B86
English summary.
- 3260 BALLESTEROS MORENO, E. Previous note on experimental intoxication by Cistus ladaniferus. (Sp) Madrid. Inst. Invest. Vet. An. 14/15:77-81. 1964-65. 41.9 M262
English summary.
Of guinea pigs and rabbits.
- 3261 BERESFORD-JONES, W. P. Observations on Muellerius capillaris (Muller, 1889), Cameron, 1927. II. Experimental infection of mice, guinea-pigs and rabbits with third stage larvae. Res. Vet. Sci. 7(3):287-291. July 1966. 41.8 R312
- 3262 BILLUPS, L. H. Diseases of the guinea pig. Tuskegee Vet. 9(1):14-18. June 1965. 41.8 T87
- 3263 CAMPBELL, W. C., and CUCKLER, A. C. Therapeutic trial of selected organophosphates against Schistosoma mansoni infections in mice. J. Parasitol. 52(4):827-828. Aug.1966. 448.8 J824
- 3264 CASAROSA, L. Experimental infection of guinea pig by Dictyocaulus filaria (Rudolphi 1809). Observations on the vitality and development of the infective larvae of Dictyocaulus filaria exposed to gamma rays of Co60 at the levels of 40,000 r and 50,000 r. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:45-53. 1965, pub.1962. 41.9 P67
English summary.
- 3265 COSTA, J. O., COSTA, H. M. DE A., and FREITAS, M. G. Parasitemia and mortality in white mice experimentally infected with Trypanosoma equiperdum. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arq. 16:215-222. 1964, pub.1965. 41.9 M662
English summary.
- 3266 DUDNYKOV, A. I. Group anamnestic reactions during immunization with type strains and variants of foot-and-mouth disease virus. (Uk) Visnyk Sil's'kohospodar. Nauk. 9:110-113. 1964. 20 V82
Guinea pigs as lab animals.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:26. July 1965.
Film S-205
- 3267 EDLINGER, E. Increase of virulence of rabies virus in mice caused by hypothermy. (Fr) Inst. Pasteur Tunis. Arch. 42(1):105-113. Ref. Mar.1965. 448.3 I172
- 3269 EGGUM, B. O., and SWIFT, R. L. Glycine. 2. Experiments with rats. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):52-54. 49.9 D41
- 3269 ENGELBART, K., and STRASSER, H. Squamous carcinoma in the ferret. Blue Book Vet. Prof. 11:28-30. 1966. 41.9 B61Ae
- 3270 GHELARDONI, E. Investigation on Capillaria hepatica (Bancroft 1893) incidence in rats in the district of Pisa. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:91-100. Ref. 1965, pub. 1966. 41.9 P67
English summary.
- 3271 HAYASHI, M., and MIYAO, N. Studies on experimental radiation injury in mice by internal strontium-90. III. Effects of internal 90Sr on calcium and phosphorus metabolism in bone and some organs. Tokyo. Nat. Inst. Anim. Health. Quart. 6(2):109-118. Ref. Summer 1966. 41.9 T575Q
The organs are the liver, lymph nodes, and spleen.

- 3272 HENSLEY, J. C., and SPALDING, J. F. The absence of avoidance recognition by the mouse subjected to chronic invariant gamma ray exposures. *Southwest. Vet.* 19(1):49-51. Fall 1965. 41.8 So82
- 3273 HOWELL, A., and others. *Odontomyces viscosus*, gen. nov., spec. nov., a filamentous microorganism isolated from periodontal plaque in hamsters. *Sabouraudia* 1(2):65-68. Ref. June 1965. 450 Sa8
H. V. Jordan, L. K. Georg, and L. Pine, joint authors.
- 3274 HULSE, E. V. Laboratory animals in experimental haematology. *Food Cosmet. Toxicol.* 3(5/6):735-748. Ref. p.743-746, 748. Nov./Dec. 1965. 391.8 F73
Includes discussion.
- 3275 INO, T., and ISHIGAKI, S. Comparison of hemoglobin quantities in two inbred strains of mice and reciprocal hybrids. *Tokyo. Nat. Inst. Anim. Health. Quart.* 6(2):101-108. Ref. Summer 1966. 41.9 T575Q
- 3276 IRLIN, I. S., and TER-GRIGOROV, V. S. Effect of neonatal thymectomy on cyst-hemorrhagic disease induced by Rous virus in rats. (Rus) *Vop. Virusol.* 4:488-490. July/Aug. 1965. 448.8 P942
- 3277 IZARD, J. Ultrastructure of the thymic reticulum in guinea pig; cytological aspects of the problem of the thymic secretion. *Anat. Rec.* 155(1):117-132. Ref. May 1966. 447.8 An1
- 3278 KIM, C. W. Delayed hypersensitivity to *Trichinella spiralis* antigens in irradiated guinea pigs. *J. Parasitol.* 52(4):722-726. Ref. Aug. 1966. 448.8 J824
- 3279 LEVINE, A. S. The role of chemicals and hormones in influencing host susceptibility. *U. S. Agr. Res. Serv. ARS-45-5:37-49*. Ref. May 1966. A41.9 R315A
Infectious disease resistance in mice.
- 3280 LIEBKE, H., and SCHNEIDER, L. G. Specific fluorescence and infectivity in the course of experimental rabies infection of mice. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(13):251-256. Ref. July 1, 1966. 41.8 B45
English summary.
Fluorescent antibody technique.
- 3281 LITTLEFIELD, J. W., and BASILICO, C. Infection of thymidine kinase-deficient BKH [hamster] cells with polyoma virus. *Nature [London]* 211(5046):250-252. Ref. July 16, 1966. 472 N21
- 3282 LOVELL, R., and ZAKI, M. M. Studies on growth products of *Corynebacterium ovis*. I. The exotoxin and its lethal action on white mice. *Res. Vet. Sci.* 7(3):302-306. Ref. July 1966. 41.8 R312
- 3283 LOVELL, R., and ZAKI, M. M. Studies on growth products of *Corynebacterium ovis*. II. Other activities and their relationship. *Res. Vet. Sci.* 7(3):307-311. Ref. July 1966. 41.8 R312
Effects on the physiology of mice.
- 3284 LUBKE, A. On the FMD virus synergetic relations between the nonspecific increase of resistance and specific immunity. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. I. Orig.* 200(3):290-298. July 1966. 448.3 C33
English summary.
Mice infected with foot-and-mouth disease virus.
- 3285 MARQUARDT, W. C. Attempted transmission of the rat coccidium *Eimeria nieschulzi* to mice. *J. Parasitol.* 52(4):691-694. Ref. Aug. 1966. 448.8 J824
- 3286 MASTAN, M. B. Modification of an aphthous virus of Iranian strain type O by passing on mice. (Fr) *Inst. Razi. Arch.* 17:63-69. Dec. 1965. 41.9 Im72
English summary.
- 3287 MEYER, M. E. Metabolic characterization of the genus *Brucella*. V. *J. Bacteriol.* 92(3):584-588. Ref. Sept. 1966. 448.3 J82
Brucella abortus, *B. suis*, and *B. melitensis* in guinea pigs.
- 3288 MORGUNOVA, T. D. Data on cyst-hemorrhagic disease of rats induced by Rous sarcoma virus. (Rus) *Vop. Virusol.* 4:409-413. July/Aug. 1965. 448.8 P942
English summary.
- 3289 NEUMAN, M. Infection of laboratory white mice with *Besnoitia besnoiti*. *Rehufah Vet.* 22(3):201-205. Sept. 1965. 41.8 R25
Text also in Hebrew.
- 3290 OLSON, L. J., and HILL, M. Resistance of mice injected at birth with extract of adult *Trichinella spiralis* to subsequent infection. *J. Parasitol.* 52(4):821. Aug. 1966. 448.8 J824
- 3291 PARKER, S. E., WARNER, P., and SLIPETZ, W. K. Estimation of virulence of *Staphylococcus aureus* for mice: the exceptional virulence of the Smith strain. *Can. J. Microbiol.* 12(4):753-762. Ref. Aug. 1966. 448.8 C162
- 3292 PHILLIPS, A. W., and BALISH, E. Growth and invasiveness of *Candida albicans* in the germ-free conventional mouse after oral challenge. *Appl. Microbiol.* 14(5):737-741. Ref. Sept. 1966. 448.3 Ap5
- 3293 RADKE, F. H., and others. Relationships of proteins, essential fatty acids, and cholesterol in the rat and the mouse. *Maine. Agr. Exp. Sta. Tech. Bull.* 21,58 p. Ref. Feb. 1966. 100 M28B
H. De Haas, E. K. Gabrielson, and M. E. Norburg, joint authors.
Part of a Northeast Regional Project.
- 3294 SCHNEIDER, H. P. Laboratory animal medicine—a new challenge for the practitioner. *Penn. Vet.* 6(1):10-11. Mar. 1966. 41.8 P38
- 3295 SCHROEDER, W. F., COX, H. W., and RISTIC, M. Anemia, parasitaemia, erythrophaeocytosis, and haemagglutinins in *Babesia rodhaini* infection. *Ann. Trop. Med. Parasitol.* 60(1):31-38. Ref. Mar. 1966. 448.9 L75A
Observed in rats.
- 3296 SIERRA SERRANO, D. DE LA. Effects of ionizing radiation on the rat at the cell, tissue, and organ level; pathological changes and effect of radioprotective agents. (Sp) Spain. *Patronato Biol. Anim. Rev.* 10(1):31-49. Apr. 1966. 49.9 Sp16
English summary.
- 3297 SYMPOSIUM ON LABORATORY ANIMAL MEDICINE. [Papers]. *Tuskegee Vet.* 9(1):6-14. Ref. June 1965. 41.8 T87
Symposium on laboratory animal medicine, by R. D. Estey. Some of the common diseases of laboratory animals, by N. Hayes; Animal facilities—environment control, by M. Scott.
- 3298 THAL, E. Immunobiological studies on *Yersinia pseudotuberculosis* (synonym: *Pasteurella pseudotuberculosis*). (Ge) *Schweiz. Arch. Tierheilk.* 108(7):372-388. Ref. July 1966. 41.8 Sch9
English summary.
Pseudotuberculosis and swine fever studies on guinea pigs.
- 3299 WAITZ, J. A., MCCLAY, P., and THOMPSON, P. E. Effects of paromomycin on tapeworms of mice, rats, and cats. *J. Parasitol.* 52(4):830-831. Aug. 1966. 448.8 J824
- 3300 WIDDOWSON, E. M. Factors affecting the growth rate of laboratory animals. *Food Cosmet. Toxicol.* 3(5/6):721-733. Ref. Nov./Dec. 1965. 391.8 F73
- 3301 WILLIAMS, R. J. Biochemical and physiological variations within groups of supposedly homogenous experimental animals. *U. S. Agr. Res. Serv. ARS-45-5:1-11*. May 1966. A41.9 R315A
Disease resistance in rats.
- 3302 WYKOFF, D. E., and ARIYAPRAKAI, K. *Opisthorchis viverrini* in Thailand—egg production in man and laboratory animals. *J. Parasitol.* 52(4):631. Aug. 1966. 448.8 J824

Miscellaneous

- 3303 BAENNINGER, L. P. The reliability of dominance orders in rats. *Anim. Behav.* 14(2/3):367-371. Apr./July 1966. 410 B77

- 3304 LABORATORY ANIMAL SCIENCE ASSOCIATION. Selected papers from annual symposium, London, England, May 1964 and from annual symposium on "Observations on Incidental Disease in Animal Experimentation," London England, May 1965. Food Cosmet. Toxicol. 3 (5/6):691-748. Nov./Dec.1965. 391.8 F73
- 3305 RICHARDS, M. P. M. Maternal behaviour in the Golden hamster: lactativeness to young in virgin, pregnant, and lactating females. Anim. Behav. 14(2/3):310-313. Ref. Apr./July 1966. 410 B77
- 3306 RICHARDS, M. P. M. Maternal behaviour in virgin female Golden hamsters (*Mesocricetus auratus* Waterhouse): the role of the age of the test pup. Anim. Behav. 14(2/3):303-309. Ref. Apr./July 1966. 410 B77
- 3307 WOLFLE, D. Animal care legislation. Science 153(3740):1061. Sept.2,1966. 470 Sci2 Laboratory animals.

POULTRY

Breeds and Breeding

- 3308 ARBOLEDA, C. R., and CAMPOS, A. C. College performance test on S.C. White Leghorns. V. Phenotypic correlations involving egg production and other economic traits. Philippine Agr. 49(3):211-221. Ref. Aug.1965. 25 P542
- 3309 BAEUM, J. At the end of the hatching season. (Da) Landbonyt 20(5):170-173. May 1966. 11 L2322
Chiefly breeds and hybridization.
- 3310 BONADONNA, T. Contribution of aviculture to the progress of genetics. (It) Vet. Ital. 17 (5/6):271-277. May/June 1966. 41.8 C87
- 3311 CAMPOS, A. C., ARBOLEDA, C. R., and GONZALES, N. B. College performance test on S. C. White Leghorn. IV. Yearly decline in egg production. Philippine Agr. 49(2):146-151. July 1965. 25 P542
- 3312 CAPULONG, T. M., and others. The production of a broiler strain suitable for the Philippines. I. The performance of broiler chicks sired by Vantress male line. Philippine J. Anim. Indus. 21(4):225-230. Fourth Q.1960, pub.1965. 49.9 P53P
P. B. Agcanas, A. G. Navarro, and A. M. Lioanag, joint authors.
- 3313 CAPULONG, T. M., AGCANAS, P. B., and LAYUGAN, A. B. Some observations on the Australorp chicken. Philippine J. Anim. Indus. 21(4):237-238. Fourth Q.1960, pub.1965. 49.9 P53P
- 3314 CURTO, G. M. Genetics and poultry. (It) Riv. Zootec. 39(7/8):375-382. July/Aug.1966. 49 R52
- 3315 FABIANSKA, I. Seasonal changes and quality of eggs of Rhode Island Red hens belonging to different breeding lines. (Pol) Roczn. Nauk Roln. 87-B-4:693-708. Ref. 1966. 20.5 R59
English summary.
- 3316 GAL'PERN, I. L., and OMIROVA, R. YU. Principles on selection of poultry for meat production. (Rus) Zhivotnovodstvo 7:58-61. July 1966. 49 Z6
- 3317 GASPARSKI, J., and GASPARSKI, J. Comparison of red cell antigenic factor frequencies in four chicken breeds reared in Poland. Roczn. Nauk Roln. 88-B-1:11-17. Ref. 1966. 20.5 R59
- 3318 GROM, A., and HALAJ, M. A contribution to the study of the effect of sulfur compounds on the sex ratio of chicks at hatching. (Cz) Pol'nohospodarstvo 12(7):539-548. 1966. 19.5 P752
English summary.
- 3319 HYRE, H. M., and MCCLUNG, M. R. Criss-cross breeding of poultry. W. Va. Agr. Exp. Sta. Bull. 526T, 11 p. June 1966. 100 W52
- 3320 JENSEN, J. F. Poultry breeds. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):231-236. 49.9 D41
- 3321 KOHLER, H. Hygiene in poultry breeding. (Ge) Berliner Munchener Tierarztl. Wochensh. 79(14):265-268. July 15,1966. 41.8 B45
English summary.
- 3322 KOPYLOVSKAYA, G. YA. Methods of estimating breeding qualities of poultry. (Rus) In Povyshenie produktivn. i plemen. kachestv s.-kh. ptitsy dlya uvelich. proiz-v yaits i myasa v intensivn. ptitsevodstve 1964:24-36. Not in Libr.
Egg production.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:17-18. Aug.1965. Film S-205
- 3323 MAZANOWSKI, A. The action of the degree of related breed upon the value of some utility qualities in hens. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 12:139-145. 1964, pub.1965. 49.9 B75
English summary.
Laying efficiency of Rhode Island Red breed.
- 3324 MAZANOWSKI, A. Investigations on the degree of action of inheritance index upon the breeding progress in a population of Leghorns. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 12:131-137. Ref. 1964, pub.1965. 49.9 B75
English summary.
- 3325 NAGY, GY. Experiments for the artificial insemination of hens by using preserved cock sperm. (Hu) Magyar Allatorv. Lapja 21(6):266-270. Ref. June 1966. 41.8 V644
English summary.
- 3326 NEERGAARD, J. V. DE. Heritability in egg production. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):211-214. 49.9 D41
- 3327 NORDSKOG, A. W. Genetic improvement in poultry. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.333-350. 1966. SF61.C6
- 3328 NORDSKOG, A. W. Types, breeds, and crosses of poultry. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed.2, p.201-217. 1966. SF61.C6
- 3329 NOWICKI, B. Investigations on the relation of a population of hens of the Green-LEG breed and on the percentage of impregnability and hatchability of eggs. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:101-104. 1964, pub.1965. 49.9 B75
English summary.
- 3330 POKA, G. Our doves. (Hu) Elovilag 10(6):341-344. 1965. 410 EL6
Breeding.
- 3331 POTEKOWSKA, E. Plumage colour genotype and growth rate in chickens. (Pol) Roczn. Nauk Roln. 87-B-4:651-679. Ref. 1966. 20.5 R59
English summary.
- 3332 SERGEEV, V. A., and SERGEEVA, V. D. Breeding inter-line "hybrid" poultry for egg production. (Rus) In Povyshenie produktivn. i plemen. kachestv s.-kh. ptitsy dlya uvelich. proiz-v yaits i myasa v intensivn. ptitsevodstve 1964:44-52. Not in Libr.
Includes selection.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:18. Aug.1965. Film S-205
- 3333 SHOFFNER, R. N. Chromosomes: carriers of hereditary messages. Gobblers 21(4):9-10. Aug.1966. 47.38 M66
- 3334 SMITH, F. V., and TEMPLETON, W. B. Genetic aspects of the response of the domestic chick to visual stimuli. Anim. Behav. 14(2/3):291-295. Ref. Apr./July 1966. 410 B77
- 3335 STASKO, J. Study of genetic correlations of some indices of carcass value of 56 day old ducks. (Cz) Pol'nohospodarstvo 12(7):529-538. Ref. 1966. 19.5 P752
English summary.
- 3336 STEWART, W. D., and TURNER, J. A. Fourth pure breeds' test—official report. New S. Wales. Dep. Agr. Poultry Notes, Apr.1966:7-10. 47.9 N472
Chiefly Australorp and White Leghorn.

- 3337 SWIERCZEWSKA, E. Differences in the rate of feathering and initial growth rate in Rhode Island Red chicks. (Pol) Rocz. Nauk Roln. 87:B-4:681-692. Ref. 1966, 20.5 R59 English summary.
- 3338 TORZ, L. Production of Beltsville turkey broilers. (Pol) Poznan. Cent. Lab. Przemysłu Jajczarsko-Drobiarskiego. Biul. Inform. 8(1):7-18. Ref. Mar.1966. 47.9 P87 English summary.
- Feeds and Feeding
- 3339 AGCANAS, P. B., NAVARRO, A. G., and LAYUGAN, A. B. The effect of supplementing chick starter ration with asiflin on New Hampshire [chicks]. Philippine J. Anim. Indus. 21 (4):285-287. Fourth Q.1960, pub.1965. 49.9 P53P
- 3340 ANTONOVA, M. E. Some properties of eggs from hens receiving chlortetracycline with food. (Rus) Antibiotiki 11(3):268-269. Mar. 1966. 396.8 An84 English summary.
- 3341 ATTSATURIYAN, N. M. Raising chicks for meat under conditions of the hot climate. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:141-144. July 1966, 20 V633 Chiefly feeding.
- 3342 BAEUM, J., and PETERSEN, V. E. Effects of protein quantity on feed uptake. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):175-193. 49.9 D41 Poultry.
- 3343 CAMPOS, A. C., and others. Studies on fermented feeds. I-II. Philippine Agr. 49(4):301-314. Sept.1965. 25 P542 C. R. Arboleda, A. S. Alejar, T. O. Malabayabas, T. A. Gutierrez, E. S. Luis, and E. A. Maxino, joint authors. For broilers and layers.
- 3344 CAPULONG, T. M., and AGCANAS, P. B. A comparative study of the efficiency of eight brands of commercial laying mash. Philippine J. Anim. Indus. 21(4):215-219. Fourth Q.1960, pub.1965. 49.9 P53P
- 3345 CAPULONG, T. M., and others. The response of crossbred chicks to two antibiotic B12 and two antibiotic-vitamin-mineral supplements in the chick starter ration. Philippine J. Anim. Indus. 21(4):249-254. Fourth Q.1960, pub.1965. 49.9 P53P P. B. Agcanas, A. B. Layugan, and A. G. Navarro, joint authors.
- 3346 CLANDININ, D. R., and ROBBLEE, A. R. Rapeseed meal for poultry—a review. World's Poultry Sci. J. 22(3):217-232. Ref. July/Sept. 1966. 47.8 W89 In poultry.
- 3348 COSTA BATTLORI, P. Folic acid in poultry nutrition. (Sp) Avicult. Tec. 17(7/8):365-366. July/Aug.1966. 47.8 Av57
- 3349 DUARTE, J. P. Effect of sweetpotatoes in the fattening of poultry. (Sp) Agricultura [Santo Domingo] 430:10-12. (Cont.) Mar.1966. 8 R323
- 3350 ESKELAND, B. Protein and kinds of protein feed. (No) Fjorfe 83(7/8):124-129. July/Aug. 1966. 47.8 T432 Poultry feeding.
- 3351 FORNAROLI, D. Use of "predigested" feeds in the diet of broilers. (It) Zootec. Vet. 20 (7/8):152-161. July/Aug.1965. 41.8 Z7 English summary.
- 3352 HAUGEN, A. E. Grain and grain quality. (No) Fjorfe 83(7/8):122-124. July/Aug.1966. 47.8 T432 Poultry feeding.
- 3353 HERMOSURA, S. R., and CORNEL, L. S. A study of the effect of aurofac on the rate of growth of New Hampshire chickens. Philippine J. Anim. Indus. 21(4):255-262. Ref. Fourth Q. 1960, pub.1965. 49.9 P53P Antibiotic feed supplement containing aureomycin and Vitamin B12.
- 3354 HERSTAD, O. Carbohydrates and measurement of energy value. (No) Fjorfe 83(7/8):118-122. July/Aug.1966. 47.8 T432 Poultry feeding.
- 3355 HERSTAD, O. Feeding of broilers. (No) Fjorfe 83(7/8):172,174-176. July/Aug.1966. 47.8 T432
- 3356 HVIDSTEN, H. Minerals, vitamins, antibiotics and coccidiostats for poultry. (No) Fjorfe 83(7/8):130-135. July/Aug.1966. 47.8 T432
- 3357 JAMROZ, D., MURZYNSKI, J., and FRITZ, Z. Semiintensive fattening of young ducks. I. Use of dried potatoes for fattening slaughtering ducks. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:179-184. Ref. 1964, pub.1965. 49.9 B75 English summary.
- 3358 JENSEN, J. F. Testing of broilers for flavor. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):193-195. 49.9 D41 Effects of feeding.
- 3359 KOICI, S., and KOCIOVA, E. Evaluation of the quality of feed proteins for growing chickens by the production index PER (protein efficiency ratio). (Cz) Rol'nohospodarstvo 12(7):549-554. 1966. 19.5 P752 English summary.
- 3360 KRALOVANSKY, U. P., and SZELENYI, MRS. G. M. Utilization of fish meal and feed yeast as compound food for feeding broiler chicken. (Hu) Kiserletugyi Közlemenyek 58/B (1):53-63. Ref. 1965, pub.1966. 105.9 H89 English summary.
- 3361 KRISTIANSEN, F. Some veterinary views on feeding of poultry. (No) Fjorfe 83(7/8):140-141,143-144. July/Aug.1966. 47.8 T432 Nutritional deficiencies.
- 3362 LEWIS, D. Synthetic amino-acids in poultry diets. J. Sci. Food Agr. 17(8):382-384. Aug. 1966. 382 So12
- 3363 LOCKHART, W. C., BRYANT, R. L., and DICKENS, D. Amino acids and enzyme supplementation of barley-base layers diets. N. Dak. Agr. Exp. Sta. Res. Rep. 18,20 p. Ref. July 1966. 100 N813R
- 3364 LUND, S. Effects of feed on egg quality. (No) Fjorfe 83(7/8):165-166. July/Aug.1966. 47.8 T432
- 3365 LUND, S. Feeding of turkeys. (No) Fjorfe 83(7/8):184-188. July/Aug.1966. 47.8 T432
- 3366 MAZANOWSKI, A. Comparison of the influence of diiodotyrosine, L-ascorbic acid and pyridoxine upon the growth and feathering rate of chickens. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:155-162. 1964, pub. 1965. 49.9 B75 English summary.
- 3367 MAZANOWSKI, A., and CHOLOCINSKA, T. The influence of different additions of nettle green crop (Urtica dioica L.) to forage upon the growth and feathering rate of chickens. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:163-170. 1964, pub.1965. 49.9 B75 English summary.
- 3368 MAZANOWSKI, A. The influence of different quantities of protein in feed upon the weight of ducklings to the 8th week of life. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 12:153-159. 1964, pub.1965. 49.9 B75 English summary.
- 3369 MAZANOWSKI, A., and CHOLOCINSKA, T. Investigations on growth and slaughter-yield of chickens given forage with addition of dried grasses and duckweed (Lemna minor L.) (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:171-178. 1964, pub.1965. 49.9 B75 English summary.
- 3370 MCDONALD, M. W. Trace elements in poultry nutrition. New S. Wales. Dep. Agr. Poultry Notes, July 1965:5-14, map. 47.9 N472
- 3371 MCGINNIS, J. Are you overfeeding layers? Western Farmer 44(3,i.e.)12-13. Sept.1966. 47.8 W27

- 3372 OVSYANOV, N. A., and OVLADIEVA, M. A. Testing vitamycin in chick raising. (Rus) Sibirskii Nauch.-Issled. Vet. Inst. Sborn. Nauch. Rabot. 12:245-250. 1964. 41.9 Om7
Substitute for vitamin A feed supplement. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:20. Aug. 1965. Film S-205
- 3373 PETROVIC, V. The effect of different levels of protein and energy in rations for turkeys. (Se) Stocarstvo 20(5/6):217-224. Ref. May/June 1966. 43.8 S6
English summary.
- 3374 POPE, D. L. 11 ways to get the most out of your feed. Poultry Trib. 72(9):22,74,76-77. Sept. 1966. 47.8 P8642
- 3375 PROHASZKA, L. The importance of carotenoid pigments in the poultry organism. (Hu) Magyar Mezogazdasag 21(29):18-19. July 20, 1966. 19 M27
In reference to nutrition and egg yolk color.
- 3376 ROGER, W. Neue Erfahrungen und Erkenntnisse auf dem Gebiete der Gefugelmast [New experiences and informations in the field of poultry fattening]. Berlin, Pfenningstorff, 1965? 52 p. SF494.R6
- 3377 ROSS, E. Pineapple by-products. I. The effect of pineapple stump by-products on chick growth. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 142, 11 p. July 1965. 100 H313P
- 3378 RYS, R., and others. The influence of some antibiotics given at different time of fattening on the growth of chicken, raw fat digestibility and on the level of A and B₁₂ vitamins in the liver. (Pol) Roczn. Nauk Roln. 88-B-1:61-69. Ref. 1966. 20.5 R59
J. Kaminski, W. Kuhl, A. Kawecka, and J. Podusowska, joint authors.
English summary.
- 3379 SAN JUAN, A. B., AGCANAS, P. B., and LIOANAG, A. M. Preliminary report on the effect of grit on chicks. Philippine J. Anim. Indus. 21(4):281-283. Fourth Q. 1960, pub. 1965. 49.9 P53P
- 3380 SAN JUAN, A. B., and AGCANAS, P. B. Preliminary report on the effect of methionine on starter-broiler rations. Philippine J. Anim. Indus. 21(4):231-235. Fourth Q. 1960, pub. 1965. 49.9 P53P
- 3381 SANNAN, F., and SETERLUND, W. Feeding of layers. (No) Fjorfe 83(7/8):151,153-155,157-161. July/Aug. 1966. 47.8 T432
- 3382 SATAVA, M., MULLER, Z., and BRICHACOVA, H. Application of amino acids in the fattening of ducks in a considerable protein deficiency. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(6):421-428. Ref. June 1966. 49.9 C33
English summary.
- 3383 SAVAGE, J. E. Recent developments in chick nutrition. Ark. Formula Feed Conf. Program 1965:24-35. Ref. 389.79 Ar42
- 3384 SCOTT, M. L. Current ideas on trace minerals and their possible relation to unidentified growth factors. Merck Agr. Memo 10(4):3-5. Mar. 1966. 41.8 M53
In chicks.
- 3385 SUNDE, M. L. Recent development in laying hen nutrition. Ark. Formula Feed Conf. Program 1965:36-44. Ref. 389.79 Ar42
- 3386 SWART, L. G., and DE WET, J. I. Shell and granite grit—are both necessary for laying hens? Farming S. Afr. 42(4):53-54. July 1966. 24 So842
- 3387 SZOPA, L. The influence of addition of animal brain upon the laying efficiency of hens and the weight of eggs. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:147-152. 1964, pub. 1965. 49.9 B75
English summary.
In feed.
- 3389 SZOPA, L. The influence of L-ascorbic acid (vitamin C) upon the growth, state of health and immunity of fattening ducklings. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:161-167. Ref. 1964, pub. 1965. 49.9 B75
English summary.
- 3389 SZYMONA, K. The influence of alfalfa meal and green alfalfa given to chickens on their growth and vitamin A storage in the liver. (Pol) Roczn. Nauk Roln. 87-B-4:725-743. Ref. 1966. 20.5 R59
English summary.
- 3390 VADLA, J. Feeding of chicks and young hens. (No) Fjorfe 83(7/8):161-164. July/Aug. 1966. 47.8 T432
- 3391 VOHRA, P. Energy concepts for poultry nutrition. Pol'nohospodarstvo 12(7):600-616. Ref. 1966. 19.5 P752
Chiefly metabolism and digestibility of feed.
- 3392 WAIBEL, P. E. Recent developments in turkey nutrition. Ark. Formula Feed Conf. Program 1965:67-78. Ref. 389.79 Ar42
- 3393 WALDROUP, P. W., and BOWEN, T. E. A source of unidentified growth factor for use in turkey poult rations. Ark. Farm Res. 15(4):7. July/Aug. 1966. 100 Ar42F
- 3394 ZNANIECKA, G., SZYMKIEWICZ, M., and MALINOWSKI, A. Dehydrated raw potato meal and potato flakes in a broiler diet. II. Production of Cornish Rhode Island broilers. (Pol) Roczn. Nauk Roln. 88-B-1:71-78. Ref. 1966. 20.5 R59
English summary.

Veterinary Medicine

- 3395 ALEXANDER-JACKSON, E. Mycoplasma (PPLO) isolated from Rous sarcoma virus. Growth 30(2):199-228. Ref. June 1966. 442.8 G91
- 3396 ALLEN, J. R., and CARSTENS, L. A. Electron microscopic alterations in the liver of chickens fed toxic fat. Lab. Invest. 15(6):970-979. Ref. June 1966. 448.8 L11
- 3397 ANDRE, V. The spray immunization of chicken against Newcastle disease. (Ge) Deut. Tierarztl. Wochenschr. 73(12):279-281. July 15, 1966. 41.8 D482
English summary.
- 3399 APESTEGUIA, J. Factor X and management. (Sp) Avicult. Tec. 17(7/8):375-376. July/Aug. 1966. 47.8 Av57
Disease control on the farm.
- 3399 ASAJ, A. The disinfection in poultry industry and "the rest" of buildings. (Se) Stocarstvo 20(5/6):187-189. May/June 1966. 43.8 S6
- 3400 BAART DE LA FAILLE-KUYPER, E. H. The influence of parathyroid extract on phalanges of the embryonic fowl in vitro. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C. Biol. Med. Sci. 69(1):73-83. Ref. 1966. 442.9 Am8
- 3401 BADER, J. P. Metabolic requirements for infection by Rous sarcoma virus. I-II. Virology 29(3):444-461. Ref. July 1966. 448.8 V81
- 3402 BALINSKY, B. I. An introduction to embryology. Ed. 2. Philadelphia, Saunders, 1965. 673 p. QL955.B3
Bibliography, p.631-657.
Includes chick embryos and insects.
- 3403 BALL, S. J. The responses of different strains of *Eimeria acervulina* and *Eimeria tenella* to medication. Res. Vet. Sci. 7(3):312-325. Ref. July 1966. 41.8 R312
Using poultry for the trials, to find coccidial infections.
- 3404 BAUER, H., and SCHAFFER, W. Origin of group-specific antigen of chicken leukosis viruses. Virology 29(3):494-497. Ref. July 1966. 448.8 V81
- 3405 BEASLEY, J. N., and WATKINS, J. R. Ornithosis in chickens: experimental infection with a virulent turkey strain of the agent. Southwest. Vet. 18(3):199-201. Ref. Spring 1965. 41.8 So82
- 3406 BLOOM, S. E., and BUSS, E. G. Triploid-diploid mosaic chicken embryo. Science 153(3737):759-760. Aug. 12, 1966. 470 Sci2

- 3407 BORODULINA, N. A., and BYSTROVA, T. A. Comparative evaluation of pathomorphological changes in infectious conjunctivitis, infectious laryngotracheitis, and vitamin A deficiency in poultry. (Rus) Saratovskii Gos. Zootekh.-Vet. Inst. Tr. 12:263-267. 1964. 41.9 Sa72
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:30-31. July 1965.
Film S-205
- 3408 BOYAKHCHYAN, A. B., and AREVSHATYAN, M. S. Curative and prophylactic efficacy of monomycin in experimental pasteurellosis of hens. (Rus) Antibiotiki 11(4):377-378. Apr. 1966. 396.8 An84
English summary.
- 3409 BRADSHAW, J. E., and TRAINER, D. O. Some infectious diseases of waterfowl in the Mississippi flyway. J. Wildlife Manage. 30(3):570-576. Ref. July 1966. 410 J827
Includes diseases found in poultry.
- 3410 BROWN, J. H., and MARKEN, J. A. Western equine encephalitis in Alberta. Can. J. Public Health 57(8):366-367, map. Aug. 1966. 449.8 P964
In poultry.
- 3411 BUKRINSKAYA, A. G., and BURDUCHEA, O. Study of initial RNA and synthesis of newly evolving RNA of Newcastle disease virus in tissue culture. (Rus) Vop. Virusol. 6:730-733. Nov./Dec. 1965. 448.8 P942
- 3412 BURDELEV, T. E., ZHIL'TSOV, V. G., and DEMIDOVA, N. V. The effect of feed contaminated with *Aspergillus fumigatus* and of decontaminated feed on fowls. 5 p.
Transl. 15223
Translation from Moscow. Tirmiryaevskaya Sel'skokhozyaistvennaya Akademiya. Doklady 61:235-241. 1961.
- 3413 CAPAUL, E. G., and GARBINI, J. D. Excretion of sulfobromophthalein in the hen. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):13-17. Ref. Jan./Feb. 1966. 41.8 B86
- 3414 CH'IN, P. C., and others. A study of the development of embryos of Pekin ducks. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:43-60. Sept. 1965. Not in Libr.
L. S. Lu, S. Yang, F. I. Liu, and C. H. Li, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:78-79. Mar. 2, 1966.
[JPRS 34,362; TT 66-30802] 241.7 Un34C
- 3415 COLUSI, A. D., GARBINI, J. D., and MARTINEZ, J. Avian infectious bronchitis. II. Epizootiology. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):19-24, map. Jan./Feb. 1966. 41.8 B86
French summary.
- 3416 COSTA, H. M. DE A. *Gongylonema freitasi* (sp. n.) (Nematoda-Spiruridae) parasite of *Gallus gallus domesticus*. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16:235-241. Ref. 1964, pub. 1965. 41.9 M662
English summary.
Crop worm.
- 3417 CUPU, R. M., and RAVAIOLI, L. Investigations on the antigenic affinities between the egg constituents (egg-white and yolk) and the blood sera of cock, laying hen, and non-laying hen. Vet. Ital. 17(3/4):123-154. Ref. Mar./Apr. 1966. 41.8 C67
Text also in Italian.
- 3418 DORN, P. Change in poultry diseases. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(14):278-281. July 15, 1966. 41.8 B45
English summary.
- 3419 DOUGHERTY, R. M., and DI STEFANO, H. S. Lack of relationship between infection with avian leukosis virus and the presence of COFAL [complement fixation for avian leukosis] antigen in chick embryos. Virology 29(4):586-595. Ref. Aug. 1966. 446.8 V81
- 3420 ECOBICHON, D. J. Hydroxylases and dehydrogenases of chicken tissues. Can. J. Biochem. 44(9):1277-1283. Ref. Sept. 1966. 470 C16E
- 3421 ERIKSEN, S. Keeping poultry healthy is practical business. Feed Farm Supplier 40(10):45-48. Oct. 1966. 47.8 H28
Disease control; includes care.
- 3422 FARGEIX, N., and THEILLEUX, D. Counting the germinal cells of duck embryo from the early stage up to 15 pairs of somites. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(1):59-61. July 4, 1966. 505 P21
- 3423 FEDOROV, E. M. Morphological estimation of digits in the wing skeleton of poultry. (Rus) Leningrad. Vet. Inst. Sborn. Rabot. 26:450-452. 1964. 41.9 L54
X-ray studies.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:3. Sept. 1965. Film S-205
- 3424 FOLZ, S. D., and TODD, A. C. Transfer of a Plasmodium from Canada geese to domesticated geese and turkeys. Amer. Microscop. Soc. Trans. 85(2):279-283. Apr. 1966. 440.9 Am33
- 3425 FORGACS, J. Mycotoxicoses and the poultry hemorrhagic syndrome. Merck Agr. Memo 11(1):4-7. Ref. Spring 1966. 41.8 M53
- 3426 FRASER, D. M. The "N" strain of *Mycoplasma* in the turkey—a review. Poultry Rev. 6(1):3-5. Apr. 1966. 47.8 P8699
- 3427 FRITZSCHE, K. Differential diagnosis of the main diseases of the respiratory tract in hens by serological testing methods in routine laboratory diagnosis. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(14):263-265. July 15, 1966. 41.8 B48
English summary.
- 3428 GENTRY, R. F. Poultry research at Penn State—past, present, and future. Everybodys Poultry Mag. 71(1):14, 32. Jan. 1966. 47.8 F213P
Disease research.
- 3429 GERRIETS, E. Coccidiostatica-free large scale breeding of young hens with vitamin A protection. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(14):271-275. Ref. July 15, 1966. 41.8 B45
English summary.
- 3430 GOLDE, A., and VIGIER, P. Non-defectivity of Rous virus from Prague strain. (Fr) Acad. Sci. Compt. Rend. Ser. D. 262(26):2793-2796. June 27, 1966. 505 P21
- 3431 GOLOTA, YA. A., BORODAI, G. P., and BZHEZHINSKII, S. K. The role of antibiotics in immunogenesis. (Rus) Antibiotiki 10(4):341-344. Apr. 1965. 396.8 An84
English summary.
Oxytetracycline and chlortetracycline in poultry pasteurellosis.
- 3432 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Worms in poultry. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 317, rev., 5 p. Mar. 1966. 10 G79La
Department of Agriculture and Fisheries for Scotland, cooperating.
- 3433 GREY, R. D., and MOOG, F. Elevation of alkaline phosphatase activity in the intestine of the chick embryo by actinomycin D. Nature [London] 211(5047):418-419. Ref. July 23, 1966. 472 N21
- 3434 GUIMONT, J. A. The poultry legs. (Fr) Eleveur 20(3):16. Mar./Apr. 1966. 49 D56
- 3435 HANSEN, J. G. Investigation of the conversion of sulfate sulfur into sulfur containing amino acid in hens. (De) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):291-296. 49.9 D41
- 3436 HARTUNG, R., and HUNT, G. S. Toxicity of some oils to waterfowl. J. Wildlife Manage. 30(3):564-570. Ref. July 1966. 410 J827
Especially ducks.
- 3437 HEALEY, J. S. Aflatoxicosis—a health hazard. New S. Wales. Dep. Agr. Poultry Notes, Apr. 1966:2-4. 47.9 N472
- 3438 HEALEY, J. S. Vaccination of poultry against infectious laryngotracheitis. New S. Wales. Dep. Agr. Poultry Notes, Jan. 1966:9-11. 47.9 N472
- 3439 HECHT, M. "Transient paralysis" in poultry practice. Blue Book Vet. Prof. 11:21-24. 1966. 41.9 B61B
- 3440 HOCMANOVA, M., and KRCMERY, V. Utilization of tellurite reductase of *Mycobacterium avium* for its differentiation. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedecko-tech. Inform. Vet. Med. 39(4):247-252. Ref. Apr. 1966. 41.9 C333
English summary.

- 3441 ISHIGURO, H., and others. Host cell interaction with the BAI strain A avian [myeloblastosis] tumor virus. U. S. Agr. Res. Serv. *ARS-45-5:134-179*. May 1966. A41.9 R315A
R. A. Bonar, U. Heine, G. de The, D. Beard, and J. W. Beard, joint authors.
Bibliography, p.147-152.
- 3442 JANKOVIC, B. D., and ISAKOVIC, K. Antibody production in bursectomized chickens given repeated injections of antigen. *Nature [London]* 211(5045):202-203. July 9, 1966. 472 N21
- 3443 JANSEN, J., and WEMMENHOVE, R. The immunity, a good year after vaccination against duck plague. (Du) *Tijdschr. Diergeneesk.* 91 (13):838-841. July 1, 1966. 41.8 T431
English summary.
- 3444 JUSZKIEWICZ, T., and others. Corticosteroidal stress and Newcastle disease virus infection. *Acta Microbiol. Polon.* 15(1):35-51. Ref. 1966. 448.3 Ac82
B. Stefaniak, Z. Madejski, and W. Karczewski, joint authors.
- 3445 KAIGHN, M. E., EBERT, J. D., and STOTT, P. M. The susceptibility of differentiating muscle clones to Rous sarcoma virus. *Nat. Acad. Sci. Proc.* 56(1):133-140. Ref. July 1966. 500 N21P
- 3446 KAMRIN, B. B. Alpha globulin injections and decreased gamma globulin production in chickens. *Science* 153(3741):1261-1262. Sept. 9, 1966. 470 Sci2
- 3447 KOSTERS, J., and GEISSLER, H. The selection of *Salmonella gallinarum-pullorum* strains for the production of standardized agglutination-antigens. (Ge) *Berliner Monatsschrift Tierarztl. Wochenschr.* 79(14):276-278. Ref. July 15, 1966. 41.8 B45
English summary.
- 3448 LEIGHTON, A. T., SIEGEL, P. B., and SIEGEL, H. S. Body weight and surface area of chickens (*Gallus domesticus*). *Growth* 30(2):229-238. Ref. June 1966. 442.8 G91
- 3449 LEVCHENKO, I. D. The resistance of poultry-type tuberculosis mycobacteria in water, chicken droppings, and dense litter. (Uk) *Veterynariya* 2:24-26. 1964. Not in Libr.
Tested on rabbits.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Abstracted in Ref. Zh. Otd. Vypusk [Ser.]* 58, Film S-205
- 3450 LITVISHKO, N. T. Lifespan of Bilharziella polonica in the body of domesticated ducks. (Uk) *Veterynariya* 1:88-90. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 16:37. Aug. 1965. Film S-205
- 3451 LOIKO, A. F. Effect of oxytetracycline and biomyxin on some functions of digestive organs in chick. (Rus) *Antibiotiki* 11(2):165-168. Feb. 1966. 396.8 An84
English summary.
- 3452 MANDELLI, G., and RIZZI, G. Research on spontaneous perosis of chickens, with particular reference to the determination of manganese in the hepatic parenchyma. (It) *Clin. Vet.* 89(3):65-76. Ref. Mar. 1966. 41.8 C61
English summary.
- 3453 MANDELLI, G., RINALDI, A., and CERVIO, G. Symptoms of a particular form of splenopneumopathy of reared pheasants (*Phasianus colchicus* L.); epidemiological, anatomo-clinical and histological observations. (It) *Clin. Vet.* 89(5):129-138. Ref. May 1966. 41.8 C61
English summary.
- 3454 MARRIOTT, M. E., and STORZ, J. The behavior of psittacosis agents of diverse origin and extreme antigenic structure in the chicken chorio-allantois. *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. 1. Orig.* 200(3):304-323. Ref. July 1966. 448.3 C33
- 3455 MARTIROSYAN, D. M., and SHEVLYAGIN, V. YA. Multiplication of Rous sarcoma virus in the mouse embryonic tissue. (Rus) *Vop. Virusol.* 4:414-417. Ref. July/Aug. 1965. 448.8 P942
English summary.
- 3456 NAKAJIMA, H., and OBARA, J. Physico-chemical studies of Newcastle disease virus. II. Chemical distribution of 32P in the virus labeled with 32P and base composition of the viral RNA. *Tokyo. Nat. Inst. Anim. Health. Quart.* 6(2):75-82. Ref. Summer 1966. 41.9 T575Q
- 3457 NALBANDOV, A. V. Egg laying. In Cole, H. H., ed. *Introduction to livestock production, including dairy and poultry*, ed. 2, p.393-407. 1966. SF61.C6
Formation of eggs.
- 3458 NORMAN, A. W. Actinomycin D effect on lag in vitamin D-mediated calcium absorption in the chick. *Amer. J. Physiol.* 211(3):829-834. Ref. Sept. 1966. 447.8 Am3
- 3459 ODENING, K. Developmental cycle of *Parasitica robusta* Szidat 1928 (Trematoda, Strigeida) in the Berlin region. (Ge) *Z. Parasitenk.* 26(3):185-196. Ref. 1965. 442.8 Z33F
Parasiting in the duodenum of ducks.
- 3460 PANDA, B. Effects of coccidiosis on different loads of the growing chick. *Merck Agr. Memo* 10(4):6-7. Mar. 1966. 41.8 M53
- 3461 PARNES, V. A., and LEVINA, D. M. Poultry myeloblastosis virus in human tissue culture. (Rus) *Vop. Virusol.* 5:607-608. Sept./Oct. 1965. 448.8 P942
- 3462 PECKHAM, M. C. The diagnosis of poultry diseases. *Vet. Scope [Kalamazoo]* 11(1):2-7, 10-11, 16. 1966. 41.8 Up4
- 3463 PERSIANI, G. Histomoniasis, a little-known disease. (It) *Riv. Zootec.* 39(6):335-338. June 1966. 49 R52
- 3464 PETERSEN, C. B. Respiration experiments with broilers using a diaphragmometer. (Da) *Denmark. Landokon. Forsogslab. Arb.* 1965 (fall meeting):302-318. 49.9 D41
- 3465 PETRY, G. Concerning arrangements and distributions of elastico-muscular functions in the skin of the domestic pigeon. 31 p. *Transl.* 16140
Translation from Gegenbaurs Morphologisches Jahrbuch 91:511-535. 1951.
- 3466 POLO JOVER, F. Mycotoxicosis. (Sp) *Avicult. Tec.* 17(7/8):366,369-370. Ref. July/Aug. 1966. 47.8 Av57
- 3467 PROHASKA, L., and SZEKY, A. Histological and biochemical changes in the liver of baby chicks. (Hu) *Magyar Allatorv. Lapja* 21(6):263-265. June 1966. 41.8 V644
English summary.
- 3468 PROKOF'YEVA, M. T., HUROVA, I. I., and KIPRYCH, V. V. Comparative study of the agglutination test and hemagglutination-inhibition test in diagnosing poultry mycoplasmosis. (Uk) *Veterynariya* 2:54-60. 1964. Not in Libr.
Strains isolated from poultry and turkeys.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:36. Aug. 1965. Film S-205
- 3469 PROKOF'YEVA, M. T., HUROVA, I. I., and NAUMETS', Z. P. Serological characteristics of several PPLO strains obtained from poultry and turkeys. (Uk) *Veterynariya* 2:61-67. 1964. Not in Libr.
Classed with *Mycoplasma gallinarum* and *M. gallisepticum*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:35. Aug. 1965. Film S-205
- 3470 RICHHEY, D. J., and DIRDJOSOEBOOTO, S. Chronic respiratory disease of chickens in west Java, Indonesia. I. Preliminary serological studies. *Commun. Vet.* 9(1):3-5. June 1965. 41.8 C73
- 3471 RIIS, P. M. Effects of feeding on fat synthesis in poultry. (Da) *Denmark. Landokon. Forsogslab. Arb.* 1965 (fall meeting):297-301. 49.9 D41
Metabolism.
- 3472 RINALDI, A., and others. Isolation of a nephropathogenic strain of poultry infectious bronchitis virus. (It) *Selezione Vet.* 7(5):284-288. May 1966. 241.71 B75
A. Crespi, G. Cervio, and G. Mandelli, joint authors.

- 3473 RINALDI, A., CERVIO, G., and MANDELLI, G. Research on development of immunity in poultry vaccinated against Newcastle disease experimentally infected with Gumboro disease. (It) Clin. Vet. 89(6):167-173. Ref. June 1966. 41.8 C61
English summary.
- 3474 RINALDI, A., CERVIO, G., and MANDELLI, G. Respiratory infection in poulters caused by a filterable agent closely allied to virus N (Dinter 1949). (It) Selezione Vet. 7(6/7):336-339. June/July 1966. 241.71 B75
- 3475 RINALDI, A., and others. Vibrionic hepatitis of poultry in Italy. (It) Agr. Italia 12(4):47-51.53-55,57-62. Apr.1966. 16 Ag8232
G. Mandelli, G. Cervio, and E. Ratti, joint authors.
- 3476 ROOKLEDGE, K. A., and HEALD, P. J. Dwarf eggs and the timing of ovulation in the domestic fowl. Nature [London] 210(5043):1371. June 25, 1966. 472 N21
- 3477 SAZAWA, H., and WATANABE, M. Susceptibility and immunity in pigeons to Schmidt-Ruppin strain of Rous sarcoma virus. Tokyo. Nat. Inst. Anim. Health. Quart. 6(2):121-122. Summer 1966. 41.9 T575C
- 3478 SCHRYVER, H. F. A quantitative comparison of the growth of the embryonic chick tibiotarsus in vivo and in vitro. J. Exp. Zool. 162(1):81-88. Ref. June 1966. 41.0 J825
- 3479 SCHWARTZ, L. D. Sanitation and medication in control of poultry diseases. Everybodys Poultry Mag. 71(1):26-37. Jan.1966. 47.8 F213P
- 3480 SCHWARZE, E., and SCHRODER, L. Kompendium der Veterinar-Anatomie. Band V. Anatomie des Hausgeflügels [Compendium of veterinary anatomy. Vol. V. Anatomy of domestic poultry]. Jena, Fischer, 1966. 218 p. SF761.S3
- 3481 SETO, F. A correlated growth response of spleen and liver during the graft-versus-host reaction in the chick embryo. Growth 30(2):257-262. Ref. June 1966. 442.8 G91
- 3482 SIMONS, J. A. The ontogeny of the multiple molecular forms of hemoglobin in the developing chick under normal and experimental conditions. J. Exp. Zool. 162(2):219-230. Ref. July 1966. 41.0 J825
- 3483 SMITS, W. H. Salmonella gallinarum infection (fowl typhoid). (Du) Tijdschr. Diergeneesk. 91(13):854-861. Ref. July 1,1966. 41.8 T431
English summary.
- 3484 SOLAR, M. A. Nutritional deficiencies in poultry. (Sp) Puerto Rico. Univ. Ext. CE-41,8 p. Aug.1965. 275.29 P96C1
- 3485 STAREK, M., and GROM, A. A contribution to the study of glutathione content in poultry blood. (Cz) Pol'nohospodarstvo 12(7):555-569. Ref. 1966. 19.5 P752
English summary.
- 3486 STAVROU, D. Report on diniro-ortho-toluamide (D.O.T.) toxicity in chicks. (Ge) Berliner Münchener Tierärztl. Wochenschr. 79(14):281-283. July 15,1966. 41.8 B45
English summary.
- 3487 STEPANOV, V. A. On bacillus transmission of pullorum disease in poultry after treatment with furazolidone. (Rus) Vses. N.-I. In-t Pitseperabat. Prom-sti. Tr. 11:213-222. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:34. Sept.1965. Film 8-205
- 3488 STOCKDALE, P. M., MACKENZIE, D. W. R., and AUSTWICK, P. K. C. Arthroderma simii sp. nov., the perfect state of Trichophyton simii (Pinoy) comb. nov. Sabouraudia 4(2):112-123. Ref. June 1965. 450 S48
Includes isolation from cases of ringworm infection of poultry and dog.
- 3489 SUCCI, G. Observations on the growth of chickens with amputated wings. (It) Zootec. Vet. 21(3/4):63-69. Mar./Apr.1966. 41.8 Z7
English summary.
- 3490 SYMPOSIUM ON HISTOMONIASIS, 1965. [Papers]. Poultry Rev. 6(2):19-31. Ref. July 1966. 47.8 P6699
Chiefly turkeys.
The control of histomoniasis, by L. P. Joyner; Transmission and experimental infection, by P. L. Long; Field experience, by T. F. Valley.
- 3491 THOMAS, L., and BITENSKY, M. W. Methaemoglobin formation by Mycoplasma gallisepticum: the role of hydrogen peroxide. Nature [London] 210(5039):963-964. May 28,1966. 472 N21
Turkeys.
- 3492 TOTH, B., MOLNAR, I., and VASS, G. The susceptibility of pheasants to Newcastle disease and the possibility of immunizing them by the Lasota vaccine. (Hu) Magyar Allatorv. Lapja 21(6):271-273. June 1966. 41.8 V644
English summary.
- 3493 TRYLICH, C. Coligranuloma (Hjarre's disease) in turkeys. Can. Vet. J. 7(2):40-42. Feb. 1966. 41.8 R3224
- 3494 TS'UI, Y. C. One case of gastric obstruction of a chicken. (Ch) Chung-kuo Shou I Tsa Chih 4(1):19-20. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Commun. Chin. Sci. Abstr. Biomed. Sci. 59:10. Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3495 VALLELY, T. F. Respiratory diseases of poultry. Poultry Rev. 5(4):63-67. Jan.1966. 47.8 P6699
- 3496 WEBER, G. Plasmakupfer und Plasmaeisen, Hamoglobinnmenge und Erythrocytenzahlen bei gesunden Weissen Leghornhühnern [Plasma copper, plasma iron, hemoglobin volume and erythrocyte count in healthy White Leghorn hens]. Hanover. Tierärztl. Hochschule. Inaug.-Diss. 50,45 p. 1965. 41.2 H198
Bibliography, p.39-45.
- 3497 WEYER, F. Control and epidemiology of ornithosis (psittacosis) in Germany, based on diagnostic animal experiments. (Ge) Gesundheitswesen Desinfekt. 57(11):149-159. Ref. Nov. 1965. 449.8 Z36P
Includes poultry.
- 3498 WHITTON, G. C., STURKIE, P. D., and STEIN, G. Cardiovascular differences between cold-acclimated and heat-acclimated chickens. Res. Vet. Sci. 7(3):296-301. Ref. July 1966. 41.8 R312
White Leghorn breed.
- 3499 WILLENBERG, H. H. Blutuntersuchungen bei der Vibriosis des Huhnes; Zugleich eine Literaturstudie über das Blutbild des Huhnes [Blood investigations in vibriosis of hen; together with a literature study on the blood picture of hen]. Hanover. Tierärztl. Hochschule. Inaug.-Diss. 52, 69 p. 1965. 41.2 H198
Bibliography, p.64-68.
- 3500 ZAKOMYRDIN, A. A. Aerosol disinfection of poultry houses (with and without poultry) in cases of laryngotracheitis. (Rus) Vses. Nauch.-Issled. Inst. Vet. Sanit. Tr. 24:184-198. 1964. 41.9 V964T
Creolin and formaldehyde mixture used.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:30. Sept.1965. Film 8-205
- 3501 ZANYU ALOS, E. Actual panorama of coccidiosis. (Sp) Avicult. Tr. 17(7/8):381-382. July/Aug.1966. 47.8 Av57

Miscellaneous

- 3502 BLACK, E. O. The right start. New Brunswick. Dep. Agr. Poultry Br. News Poultrymen, Mar.1966:2-5. 47.9 N42
Brooding, in Canada.
- 3503 BRADBURY, G. Random sample laying test. J. Agr. [Melbourne] 64(8):363-367. Aug.1966. 23 V66J
- 3504 CLOYD, G. D. Winter laying slumps; what do they really cost you? Everybodys Poultry Mag. 71(1):24-25. Jan.1966. 47.8 F213P

- 3505 COLES, R. The psychotic pullet or the Rhode Island's revenge. *Vet. Rev.* 17(2):33-34. Dec. 1965. 41.8 V6466
Egg production, effects of housing.
- 3506 COLES, R. Size changes in laying flocks. *Poultry Rev.* 6(2):32-40. July 1966. 47.8 P8699
Great Britain.
- 3507 CORNOLDI, G. Raising turkeys for meat; great poultry industry of tomorrow. (It) *Inform. Zootec.* 13(11):475-480. June 15, 1966. 49 In3
- 3508 CURTO, G. M. How to obtain quality eggs. (It) *Riv. Zootec.* 39(6):313-320. June 1966. 49 R52
- 3509 DEMOS, N. Rearing of broilers is progressing in Ioannina district and other parts of the country. (Gre) *Greece. Hypourgeio Georgias. Deltion Georgikon Epharmogon Ekpaideuseos* 2:42-47. Mar./Apr. 1966. 275.249 G81
- 3510 FRACANZANI, C. Large-scale production of guinea fowl. (It) *Riv. Zootec.* 39(6):322-326. June 1966. 49 R52
- 3511 FRANCIS, P. R. Hot weather management of poultry. *Farming Zambia* 2(1):8-9. Oct. 1966. S19.F3
- 3512 FUSSELL, G. E. Fine farmhouse fare. *Poultry Rev.* 5(4):68-69. Jan. 1966. 47.8 P8699
Poultry and rabbits in yards of British nineteenth-century homes.
- 3513 GARCIA LUZON, J. Trials on disinfection and other care for poultry farms. (Sp) *Avicult. Tec.* 17(6):321. June 1966. 47.8 Av57
- 3514 GOTTLEB, G. Species identification by avian neonates: contributory effect of perinatal auditory stimulation. *Anim. Behav.* 14(2/3):282-290. Ref. Apr./July 1966. 410 B77
Chicks and ducklings.
- 3515 HENTON, W. W., SMITH, J. C., and TUCKER, D. Odor discrimination in pigeons. *Science* 153(3740):1138-1139. Ref. Sept. 2, 1966. 470 Sc12
- 3516 ISRAEL. MINISTRY OF AGRICULTURE, POULTRY DIV. Final report of the 11th random sample laying test, 1964-1965, in cages, 23-4-1964-18-8-1965. Acre, 1965. 13 p. 47.9 Is7Ac
- 3517 JENSEN, J. F. Climate experiments. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):195-198. 49.9 D41
Effects of controlled environment on poultry growth and feed consumption.
- 3518 JENSEN, J. F. Growth of broilers is regulated by climate in poultry houses. (Da) *Landbonyt* 20(3):105-106. Mar. 1966. 11 L2322
- 3519 JENSEN, J. F. Progeny testing of broilers. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):215-230. 49.9 D41
- 3520 LOCNISKAR, F. Tests with the egg production of poultry. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(17):426-427. Dec. 11, 1965. 21.5 So14
- 3521 MACINDOE, R. N. Concepts of poultry behaviour and husbandry. New S. Wales. Dep. Agr. *Poultry Notes*, Apr. 1966:5-6. 47.9 N472
- 3522 MCCLURE, A. Making a success of poultry rearing—means paying attention to all aspects of management, particularly disease control. *Agr. Northern Ireland* 41(4):116-118. Aug. 1966. 256.13 Ag22M
- 3523 MOKASDAR, P. D., and HERRICK, R. B. Performance of Single Comb White Leghorn pullets in community cages of various sizes with variation in cage construction and concentration of birds. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 143, 12 p. July 1965. 100 H313P
- 3524 MOLCHANOVA, N. V., and SHVADCHENKO, V. N. Productivity of dual purpose poultry in Siberia. (Rus) *Zhivotnovodstvo* 7:22-23. July 1966. 49 Z6
- 3525 MOLNAR, K. Fishpond rearing of ducks and the parasites. (Hu) *Magyar Mezogazdasag* 21(33):19-20. Aug. 17, 1966. 19 M27
- 3526 MONACI, M. Raising of semi-wild turkeys in open farms on the hills. (It) *Inform. Zootec.* 13(11):483-488. June 15, 1966. 49 In3
- 3527 MORK, I. J. Brooding and rearing of ducklings and goslings. N. Dak. State Univ. Ext. Circ. A-467, 3 p. Feb. 1965. 275.29 N812Sa
- 3528 PETER, V. Notions from a study trip to the USA and possibilities of their utilization for the improvement of Czechoslovak poultry. (Cz) *Pol'nohosodarstvo* 12(7):595-599. 1966. 19.5 P752
- 3529 PETERSEN, V. E., and SORENSEN, J. B. Chicks hatched at different seasons. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):144-166. 49.9 D41
English summary.
Effects on egg production and feeding.
- 3530 PHELPS, A. Psychology in the laying house; properly placed equipment increases egg production. *Poultry Internat.* 5(6):36-37, 40, 42. Nov./Dec. 1966. 47.8 P8698
- 3531 PHELPS, A. Welfare report shocks U.K. poultry industry. *Poultry Internat.* 5(2):52-54. Mar./Apr. 1966. 47.8 P8698
Poultry housing studied by Brambell Committee.
- 3532 PORTSMOUTH, J. Modern poultry keeping. London, English Univ. Press, 1965. 149 p. (The Teach Yourself Books) SF487.P6
- 3533 RODRIGUES, L. C. B. Comparative study of the principal economic elements of interest in the production of table poultry from different breeds existing in our national market, under representative conditions. (Por) *Port. Dir. Geral Serv. Pecuarias. Bol. Pecuário* 33(1):125-181. 1965. 41.8 P83
English summary.
- 3534 ROKICKI, E. The influence of kinds of litter on the production of broilers from the point of view of zoohygienic examination. (Pol) *Rocz. Nauk Roln.* 87-B:4:709-723. Ref. 1966. 20.5 R59
English summary.
Horse manure and peat litters compared.
- 3535 SLENNETT, G. D. Housing of laying flock replacements. New S. Wales. Dep. Agr. *Poultry Notes*, Jan. 1966:2-8. 47.9 N472
- 3536 SLENNETT, G. D. Step-down-lighting. New S. Wales. Dep. Agr. *Poultry Notes*, July 1965:15-19. 47.9 N472
Effects on egg production.
- 3537 SORENSEN, J. B. Impressions from the English poultry industry. (Da) *Landbonyt* 20(9):308-311. Sept. 1966. 11 L2322
Chiefly poultry care and housing.
- 3538 SORENSEN, J. B. Preparing the henhouse for young layers. (Da) *Landbonyt* 20(8):271-274. Aug. 1966. 11 L2322
- 3539 STEWART, W. D., and MINTY, R. M. Thirteenth random sample laying test—official report. New S. Wales. Dep. Agr. *Poultry Notes*, Apr. 1966:11-15. 47.9 N472
Analysis of the test, by N. W. McDonald, p.16-20.
- 3540 TZIMAS, P. A simple method of making birds unable to fly. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(14):283-284. July 15, 1966. 41.8 B45
English summary.
- 3541 VANCIKOVA, R. A comparison of production indices of turkey breeds raised under rigid and loose housing. (Cz) *Pol'nohosodarstvo* 12(7):570-574. 1966. 19.5 P572
English summary.
- 3542 VEITSMAN, L. N. Possibilities for Guinea fowl husbandry in USSR. (Rus) *Zhivotnovodstvo* 7:17-21. July 1966. 49 Z6
- 3543 VOTAVA, Z. The development of sexing of poultry. (Cz) *Trubeznictvi* 14(7):100. July 1966. 47.8 D343
- 3544 WILSON, W. O. Poultry management. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 658-680. Ref. 1966. SF61.C6

RABBITS

Breeds and Breeding

- 3545 AYALA MARTIN, E. Periodical variability of rabbits fertility. (Sp) *Avicult. Tec.* 17(6):317-318. June 1966. 47.8 Av57

- 3546 BLYTH, J. The beginners are our biggest problem. Amer. Rabbit J. 36(5):3-4. May/June 1966. 40.28 Am3
In breeding.
- 3547 CORMINBOEUF, R. Intensive breeding of rabbits. (Fr) Ann. Agr. 5:87. 1965/66. 17 An73
Farms in Switzerland.
- 3548 COZENS, D. D. Abnormalities of the external form and of the skeleton in the New Zealand White rabbit. Food Cosmet. Toxicol. 3(5/6): 695-700. Ref. Nov./Dec.1965. 391.8 F73
Feeds and Feeding
- 3549 BLYTH, J. Feeds and feeding. Amer. Small Stock Farmer 50(11):8. Aug.1966. 48.8 J82
Of rabbits.
- 3550 CASADY, R. B. Supplemental vitamin E in rabbit diets. Amer. Rabbit J. 35(10):5-6. Oct. 1965. 40.28 Am3
Veterinary Medicine
- 3551 BIGUET, J., and others. Immuno-electrophoretic study of the nature and the order of appearance of serum precipitating antibodies of rabbits depending on the mode of immunization against *Candida albicans*. (Fr) Sabouraudia 4(3):148-157. Ref. Oct.1965. 450 Sa8
P. Tran Van Ky, S. Andrieu, and R. Degaey, joint authors.
English summary.
- 3552 BRACK, M. Spontaneous tuberculosis in a domestic rabbit caused by *Mycobacterium avium*. (Ge) Deut. Tierarztl. Wochenschr. 73(13):317-321. Ref. July 1,1966. 41.8 D482
English summary.
- 3553 CORONEL, A. B., QUIZON, A. S., and SADILI, A. M. Hyperimmune serum treatment in experimental rabbits exposed to fixed rabies virus. Philippine J. Anim. Indus. 21(4):269-280. Ref. Fourth Q.1960, pub.1965. 49.9 P53P
- 3554 COŠCULLUELA CARRASCO, J. M. Rabbits and coccidiosis. (Sp) Avicult. Tec. 17(7/8): 371-372. July/Aug.1966. 47.8 Av57
- 3555 ISRAELI, E. Mechanism of pox formation by Shope fibroma virus on monolayers of rabbit cells. J. Bacteriol. 92(3):727-732. Ref. Sept. 1966. 448.3 J82
- 3556 ITZE, L., and ARENDARCIK, J. A contribution to the study of antigonadotrophic serum by means of the latex fixation test. (Cz) Czech. Min. Zemedel. Lesního Hospod. Ustav Vedeckotech. Inform. Vet. Med. 39(4):241-246. Ref. Apr.1966. 41.9 C333
English summary.
Rabbits.
- 3557 JACKSON, E. W., and others. Absence of serological evidence of myxoma virus infection in humans exposed during an outbreak of myxomatosis. Nature [London] 211(5046):313-314. July 16,1966. 472 N21
C. R. Dorn, J. K. Saito, and D. G. McKercher, joint authors.
In rabbits.
- 3558 KULESKO, I. I., and SOBKO, A. I. Hog cholera diagnosis according to rabbit leukopenia. (Uk) Visnyk Sil's'kohospodar. Nauk. 12:100-102. 1964. 20 V82
Virus immunization of rabbits.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:30. July 1965.
- 3559 SHAKARYAN, G. A., NURAZYAN, A. G., and NAVASARDYAN, A. A. Effect of monomycin on immunization processes during immunization of animals with brucellosis vaccine. (Rus) Antibiotiki 10(4):337-338. Apr.1965. 396.8 An84
Rabbits.
Miscellaneous
- 3560 PESSOA, A. S. Rabbits; brief considerations on national rabbit raising. (Port) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 33(1): 65-121. Ref. 1965. 41.8 P83
English summary.
- SHEEP AND GOATS
- Breeds and Breeding
- 3561 AVETISYAN, G. B. Results of studying the meat productivity of year-and-a-half-old castrated lambs and culled ewes of the Balbas breed. (Arm) Armenian SSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov ArmSSR. Izv. 10: 97-101. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:19. Aug.1965.
Film S-205
- 3562 BECZE, J. Experiments aiming at revealing the conditions influencing the breeding season, for the purpose of improving the fertility of sheep. (Hu) Kiserletuyi Kozlemeneyk 58/B(2):75-85. Ref. 1965, pub.1966. 105.9 H89
English summary.
- 3563 BOWDEN, E. Observations on ram selection and fertility. Beef Sheep Farming 2(5):4-5. Sept.1965. 43.8 B392
- 3564 BOWMAN, J. C. Meat from sheep. Anim. Breeding Abs. 34(3):293-319. Sept.1966. 241 Im72Ra
Review of the literature.
With particular reference to genetics and breeding.
- 3565 BREZNEV, A. P. Hormone stimulation of reproductive functions in rams. (Rus) Zhivotnovodstvo 7:76-79. July 1966. 49 Z6
- 3566 BUSH, E. C. A comparison of the milking capacity of Corriedale and Corriedale X Border Leicester ewes. East Afr. Agr. Forest. J. 31(1):31-34. July 1965. 24 Ea74
Kenya.
- 3567 CALISLAR, T. Anatomical investigation on accessory sex glands of the male Angora goat and Karaman sheep. (Tu) Ankara Univ. Vet. Fak. Dergisi 12(1/2):72-81. Ref. 1965. 41.9 An4D
English summary.
- 3568 CIESIELSKA, K. The dependence between appearance of suprafleecy hair in Merino lambs and the quality of fleece in adult sheep. (Pol) Wroclaw. Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 12:213-218. 1964, pub.1965. 49.9 B75
English summary.
- 3569 DIANUAR, R. Effect of high temperature on spermiogenesis of rams. Commun. Vet. 9(1): 13-18. Ref. June 1965. 41.8 C73
- 3570 DONEY, J. M. Breed differences in response of wool growth to annual nutritional and climatic cycles. J. Agr. Sci. [London] 67(1):25-30. Ref. Aug.1966. 10 J822
Scotland.
- 3571 FELS, H. E. How to obtain more sheep. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12 (139):212-213, 216-218. July 1966. 9 So17
Breeding.
- 3572 GILBERT, L. Professional organization of French Sheep-Breeding Federation [Federation Nationale Ovine]. French Stock-Breeding 7:7-8. Winter 1965. 49 F88
- 3573 GJEDREM, T. Progeny testing of rams 1964-1965. (No) Sau Geit 18(6):183-184. Dec. 1965. 45.8 Sa8
- 3574 GJEDREM, T. Selection index for ewes. Acta Agr. Scand. 16(1):21-29. Ref. 1966. 11 Ac82
- 3575 HELLE, O., and VELLE, W. Fertility following hormonal synchronization of oestrus in sheep. Nord. Veterinaarmed. 18(6):289-293. June 1966. 41.8 N813
- 3576 HUL'CHII, M. M. Establishment of the Ukrainian Mountain breed of sheep. (Uk) Visnyk Sil's'kohospodar. Nauk 10:89-94. 1964. 20 V82
Hybrids and wool production.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:16. Aug.1965. Film S-205
- 3577 KOSHEVOI, M. A., ALLAYAROV, M., and FAIZULIN, KH. G. Problems in breeding white Karakul sheep. (Rus) Uzbek SSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov UzSSR. In-t Karakulevodstva. Tr. 14:55-71. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:17. Aug.1965.
Film S-205

- 3578 KROITER, M. K., and KATKOV, M. T. The use of mixed fine-wooled and coarse-wooled breeds for production of semi-fine wool of the cross-bred type. (Rus) Vestnik Sel'skokhoz. Nauk. [Alma-Ata] 9:53-59. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:15. July 1965. Film S-205
- 3579 LEON CRESPO, L. Use of carbon dioxide in the diluting medium for sheep semen. (Sp) Spain. Patronato Biol. Anim. Rev. 5(1):67-78. Ref. Apr. 1966. 49.9 Sp16
- 3580 MATEIRO, J. G. An aid to the study of artificial insemination of sheep. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 33(1): 35-61. Ref. 1965. 41.8 P83
English summary.
- 3581 METLITSKII, A. V., and PETROV, A. I. The use of homogeneous and heterogeneous matching in South-Kazakhstan Merino flocks. (Rus) Vestnik Sel'skokhoz. Nauk [Alma-Ata] 9:69-75. 1964. 20 Ak16
Effects of breeding on wool production. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:15. July 1965. Film S-205
- 3582 MODELSKA, M., NAWARA, W., and CIURUS, J. Changes in skin and hair follicle structure in Polish Hill sheep during the main growth period. (Pol) Roczn. Nauk Roln. 85-B-3:351-366. Ref. 1965. 20.5 R59
English summary.
- 3583 MORLEY, F. H. W., AXELSEN, A., and BENNETT, D. Recovery of normal fertility after grazing on oestrogenic red clover. Australian Vet. J. 42(6):204-206. June 1966. 41.8 Au72
Sheep.
- 3584 MOULE, G. R. Disease as a factor in reproductive failure among sheep. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:37-39, 41. Ref. 1965. 41.9 In73
Australia.
- 3585 NASHOLM, L. Ten years with sheep. (Sw) Farskotsel 45(5):149-152. 1965. 45.9 Sv2
Breeding.
- 3586 NOVIKOV, A. I., and DZHAILOV, KH. D. The effect of A. A. Baiburt'syan's method of castration on the fleece of Kirghiz Fine-wooled sheep. (Rus) Resp. Sredn. Azii i Kazakhstana. Uch. Zap. Anatomov, Gistologov i Embriologov 1:250-254. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965. Film S-205
- 3587 OUTHOUSE, J. B., and others. Accelerated lambing program. Purdue U. Ind. Agr. Ext. Mimeo AS-329.3 p. June 1965. 49.9 In23
K. J. Drewry, H. Mayo, and M. Stob, joint authors.
- 3588 PADUCHEVA, A. L., KARATUN, T. M., and RISH, M. A. The effect of copper and molybdenum on the keratinization of wool of Karakul sheep. (Rus) Uzbek SSR. M.-vo Proiz.-va i Zagotovok S.-Kh. Produktov UzSSR. In-t. Karakulevodstva 14:357-364. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:8-9. Aug. 1965. Film S-205
- 3589 PEREPILITSINA, N. S. Studies on the histological structure of the skin of new-born lambs in relation to the animal's color. (Rus) Uzb. Nauch.-Issled. Inst. Zhivotn. Tr. 9:155-160. 1964. 49.9 U127
Jaidara X Lincoln Longwool. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:3. Aug. 1965. Film S-205
- 3590 RIVAS GODAY, J. J., and LEON CRESPO, L. A diluent for preservation of ram semen at room temperature. (Sp) Spain. Patronato Biol. Anim. Rev. 5(1):59-66. Ref. Apr. 1966. 49.9 Sp16
- 3591 ROLDUGINA, N. P. Histological structure of the skin of new-born Karakul lambs of various hues. (Rus) Uzbek SSR. M.-vo Proiz.-va i Zagotovok S.-Kh. Produktov UzSSR. In-t. Karakulevodstva 14:147-156. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:3. Aug. 1965. Film S-205
- 3592 ROLDUGINA, N. P. Quality of Karakul lambs of various colors in relation to the rate of pigmentation of the fleece. (Rus) Uzbek SSR. M.-vo Proiz.-va i Zagotovok S.-Kh. Produktov UzSSR. In-t. Karakulevodstva. Tr. 14:137-145. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965. Film S-205
- 3593 SANNIKOV, M. I. Selection of Fine-wooled sheep for good lambing qualities. (Rus) Ovtsevodstvo 11:5-7. 1964. 45.8 Ov72
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:14-15. Aug. 1965. Film S-205
- 3594 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. Annual report for the year ended 30th April, 1966. Glasgow, 1966. 4 p. 45.9 So12
- 3595 SOUTHDOWN SHEEP SOCIETY OF NEW ZEALAND. Flock book. Vol. XXXIX, 1965. Palmerston North, 1965. 486 p. 45.9 So85
- 3596 SPALVINYA, L. Perfecting sheep of the Latvian Blackheaded breed. (Rus) Ovtsevodstvo 1: 12-15. 1965. 45.8 Ov72
Breeding for meat and wool production. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:15. July 1965. Film S-205
- 3597 SUFFOLK SHEEP SOCIETY. The flock book of Suffolk sheep. Volume LXXX. Ipswich, 1966. 394 p. 45.9 Su2
- 3598 SYMINGTON, R. B., and OLIVER, J. Observations on the reproductive activity of tropical sheep in relation to the photoperiod. J. Agr. Sci., [London] 67(1):7-12. Ref. Aug. 1966. 10 J822
- 3599 TERRILL, C. E. Breeds of sheep and goats. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 166-185. Ref. 1966. SF61.C6
- 3600 TERRILL, C. E. Genetic improvement in sheep and goats. In Cole, H. H., ed. Introduction to livestock production, including dairy and poultry, ed. 2, p. 301-319. Ref. 1966. SF61.C6
- 3601 VINOGRADOVA, M. A. The development of the sheep fleece in connection with their wool productivity. (Rus) Vest. Sel'khoz. Nauki [Alma-Ata] 1:62-68. 1965. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:18. Sept. 1965. Film S-205
- 3602 VOLOGIROV, M. K. Wool productivity of cross-bred wether lambs in the steppe and foothill areas of Kabardin-Balkar Autonomous SSR. (Rus) Kabardino-Balkarsk. Un-t. Uch. Zap. 21:225-230. 1964. Not in Libr.
Crossing Fine-wooled, Lincoln, and Romney Marsh breeds. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965. Film S-205
- 3603 ZHANDERKIN, A. I., and TOKKUZHIN, S. Edelbaev sheep in Gur'yev Region, Kazakhstan. (Rus) Ovtsevodstvo 11:29-30. 1964. 45.8 Ov72
Crossing with Kazakh Fat-rumped sheep for increased wool production. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:15. Aug. 1965. Film S-205
- 3604 ZUBAIROV, M. M. Wool productivity of the Leggin breed of sheep. (Rus) Daghestan. Sel'skokhoz. Inst. Tr. 14(1):133-140. 1964. 106 D132
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965. Film S-205

Feeds and Feeding

- 3605 ABRAHAMSSON, A. Slaughter all year round. (Sw) Farskotsel 45(5):160-162. 1965. 45.9 Sv2
Lamb feeding procedure.
- 3606 BAREJ, W. Nitrogen changes in sheep fed with rations containing different nitrogen compounds. (Pol) Roczn. Nauk Roln. 88-B-2:111-129. Ref. 1966. 20.5 R59
English summary.

- 3607 CHMYRENKO, A. V. Technology of preparation and utilization of alfalfa silage for sheep. (Rus.) *Zhivotnovodstvo* 7:34-35. July 1966. 49 Z6
- 3608 CLOETE, J. G., BASSON, W. D., and HUGO, W. J. Drought feeding of sheep; how and what. *Farming S. Afr.* 42(4):35,37,39,43,45. July 1966. 24 So842
- 3609 CONWAY, A. Grange system of intensive fat lamb production. *Farm Res. News* 7(1):4-9. Jan./Feb.1966. 10 S F223
Effects of feeding in Grange, County Meath, Ireland.
- 3610 DATTILO, M. Combined grazing. (It) *Inform. Zootec.* 13(2):58-60. Jan.31,1966. 49 In3
Sheep and cattle.
- 3611 FORBES, J. M. Problems in feeding the pregnant ewe. *Beef Sheep Farming* 3(7):20,47. Sept.1966. 43.8 B392
- 3612 FREDERIKSEN, J. H., and KONGGAARD, S. P. Digestibility trials. (Da) *Denmark. Landkonf. Forsogslab. Arb.* 1965(fall meeting):460-461. 49.9 D41
Sheep.
- 3613 JOHNS, A. T. Pasture content has dramatic effect on animal nutrition. *New Zeal. J. Agr.* 112 (4):44-45,47. Apr.1966. 23 N48J
Sheep and cattle.
- 3614 JONSSON, G. The effect of selenium- and topherol-administration on the weight gains of lambs. (Sw) *Nord. Veterinaermed.* 18(6):294-304. Ref. June 1966. 41.8 N813
English summary.
- 3615 LARGE, R. V., and SPEDDING, C. R. W. The health and performance of the grazing animal in relation to fertilizer nitrogen usage. II. Weaned lambs. *J. Agr. Sci., [London]* 67(1):41-52. Ref. Aug.1966. 10 J322
Perennial ryegrass used in experiments.
- 3616 MAKAR, I. A., and LOBUR, V. V. The use of urea and sodium sulfate in sheep feeding. (Uk) *Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn* 2: 79-86. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:4. Aug.1965. Film S-205
- 3617 MCINNIS, P. Some aspects of hand-feeding of sheep. *Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu.* 29:47-49. 1965. 41.9 In73
Includes feed supplements.
- 3618 NEDKVITNE, J. J. Evaluation of the standards for feeding of ewes. (No) *Norsk Landbruk* 6: 18-19,30. Mar.25,1966. 11 N8122
- 3619 NORRMAN, E., and ANDERSSON, B. Raising of suckling lambs. (Sw) *Farskotsel* 45(5):163-166. 1965. 45.9 Sv2
Chiefly feeding.
- 3620 NORRMAN, E., SAARNAK, E., and NILSSON, O. Raising of suckling lambs. II. (Sw) *Farskotsel* 45(9):279-282. 1965. 45.9 Sv2
Feeding and care.
- 3621 OWEN, E. C. Minerals and the ruminant with special reference to the discovery of swayback in the goat. *Food Cosmet. Toxicol.* 3(5/6):701-706. Nov./Dec.1965. 391.8 F73
- 3622 PAULES, L. H., and others. Feeding corn silage to breeding ewes. *Wyo. Agr. Exp. Sta. Mimeogr. Circ.* 208,11 p. Feb.1965. 100 W98M
C. J. Kercher, L. J. Bourret, and T. L. Birch, joint authors.
- 3623 RAYMOND, W. F., TERRY, R. A. Studies of herbage digestibility by an in vitro method. *Outlook Agr.* 5(2):60-68. Ref. 1966. 10 Ou8
Sheep in Great Britain.
- 3624 SIPPLE, W. L., and others. Low quality pelleted alfalfa hay may be economical feed for lambs. *Sci. Farmer [Penn. Sta.]* 13(4):7. Summer 1966. 100 P381S
T. L. Merritt, R. L. Cowan, and E. Keck, joint authors.
- 3625 SJOBERG, K. E. For the shepherd. (Sw) *Farskotsel* 45(9):291-292. 1965. 45.9 Sv2
Feeding of sheep.
- 3626 SLOBERG, K. E. Farens utfodring [Feeding of sheep]. *Hushallningssallsk. Forbund. Smaskr.* 69,19 p. 1966. 11 H952
- 3627 TRELA, S., and STACH, D. Investigations on the digestibility of hay of mountain regions. II. (Pol) *Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 7:83-99. Ref. 1965. 49.9 K852
English summary.
Fed to sheep.
- 3628 WILLIAMS, G. L., and ANDREWS, R. Fattening store lambs on hill farms. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(8):387-390. Aug.1966. 10 G79J
- 3629 YANCHENKO, F. N., and SUVOROV, V. M. The effect of ewe milk production on the growth and productivity of offspring. (Rus) *Ovtsevodstvo* 2:16-17. 1965. 45.8 Ov72
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:19. Aug.1965. Film S-205
- 3630 ZHADAN, A. M. Effect of different levels of salt (NaCl) nutrition on growth and metabolism of lambs of the Precoce breed. (Rus) *Korma i Kormlenie S.-Kh. Zhivotnykh* 2:11-26. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 14:4. July 1965. Film S-205

Veterinary Medicine

- 3631 ABIDJANOV, M. S. Use of non-agglutinating vaccine strain Nevsky-12 against brucellosis. (Fr) *Office Int. Epizoot. Bull.* 63(7/8):1177-1184. July/Aug.1965. 41.8 Of2
English summary.
Of sheep.
- 3632 AGIUS, E. The incidence of human brucellosis in Malta. *Inst. Pasteur Tunis. Arch.* 42(1):31-37. Mar.1965. 448.3 In72
Transmitted by goats.
- 3633 AHMAD, A., BURNS, P. W., and SZABUNTE-WICZ, M. Some data on electrocardiography in the goat. *Southwest. Vet.* 18(3):215-218. Spring 1965. 41.8 So82
- 3634 ALIKHANOV, A. A. Seasons of ovulation among sheep. (Rus) *Dagestansk. S.-Kh. In-t. Tr.* 14(1):101-103. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 14:10. July 1965. Film S-205
- 3635 ANDERSEN, F. L., WANG, G. T., and LEVINE, N. D. Effect of temperature on survival of the free-living stages of *Trichostrongylus colubriformis*. *J. Parasitol.* 52(4):713-721. Ref. Aug. 1966. 448.8 J824
Intestinal worm of sheep.
- 3636 ARUTYUNYAN, P. I. Comparative anatomical studies of the metacarpal and metatarsal bones of hybrid sheep in Armenia. (Rus) *Eriyan. Erevansk. Zootekh.-Vet. In-t. Tr.* 26:97-106. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 17:2-3. Sept.1965. Film S-205
- 3637 BEGLIOMINI, A., FRAVOLINI, A., and GIALLETTI, L. A case of poisoning from copper in sheep. (It) *Vet. Ital.* 17(3/4):164-190. Mar./Apr.1966. 41.8 C87
- 3638 BERGMAN, E. N., ROE, W. E., and KON, K. Quantitative aspects of propionate metabolism and gluconeogenesis in sheep. *Amer. J. Physiol.* 211(3):793-799. Ref. Sept.1966. 447.8 Am3
- 3639 BIBERSTEIN, E. L., and THOMPSON, D. A. Epidemiological studies on *Pasteurella haemolytica* in sheep. *J. Comp. Pathol.* 76(1):83-94. Jan.1966. 41.8 J82
- 3640 BIERBRAUER, M., and SCHMIDT, G. *Reverin* susp. in infectious diseases of goats. *Blug. Book Vet. Prof.* 8:35-36. 1964. 41.9 B61Ae
In Germany.
- 3641 CALISLAR, T. Comparative investigation on the heart of Karaman sheep and Angora goat. (Tu) *Ankara Univ. Vet. Fak. Dergisi* 12(1/2): 38-53. Ref. 1965. 41.9 An4D
English summary.
- 3642 CENNI, B., JANNELLA, G. G., and COLOMBANI, B. Blood serum calcium, inorganic phosphorus and protein values of sheep fed on different types of hay. (It) *Elsa. Univ. Stud. Fac. Med. Vet. Ann.* 18:241-255. Ref. 1965, pub.1966. 41.9 P87
English summary.

- 3643 CENNI, B., JANNELLA, G. G., and COLOMBANI, B. Contribution to the study on the utilization and retention in sheep of calcium and phosphorus contained in some fodders. (It) Pisa, Univ. Stud. Fac. Med. Vet. Ann. 18:221-240. Ref. 1965, pub. 1966. 41.9 P67
English summary.
Lucerne and Gramineae.
- 3644 CHU, S. H. Treatment of eruptive stomatitis ulcerosa of goat. (Ch) Chung-kuo Shou I Tsa Chih 4(1):22-23. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:15. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3645 CONDY, J. B., and HANHAM, D. P. Nematode infestation of sheep in a high-rainfall area of Rhodesia. Rhodesia Zambia Malawi J. Agr. Res. 4(1):39-44. Jan. 1966. 24 R3472
- 3646 DEJNEKA, J., ZIEBA, D., and LEROCH, Z. Effect of abomasum thermoreceptors upon rumen movements in sheep. (Pol) Roczn. Nauk Roln. 88-B-2:169-176. Ref. 1966. 20.5 R59
English summary.
Use of abomasal and rumen fistulae.
- 3647 DIDOVETS, S. R. Eradication program for ovine brucellosis in Ukraine. (Fr) Office Int. Epizoot. Bull. 63(7/8):1225-1233. July/Aug. 1965. 41.8 Of2
English summary.
- 3648 DOL'NIKOV, YU. YA., SHKABROV, N. K., and CHEREPANOV, V. P. Group deworming of lambs with monieziasis by the use of copper carbonate. (Rus) Sibirskii Nauch.-Issled. Vet. Inst. Shorn. Nauch. Rabot 12:199-203. 1964. 41.9 Om7
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:34. Aug. 1965.
Film S-205
- 3649 EGAN, D. A., and O'CUILL, T. A study of calcium and magnesium serum levels in the parturient and lactating ewe, and of their probable association in the development of hypomagnesaemic tetany. Irish Vet. J. 20(2):34-35. Feb. 1966. 41.8 Ir4
- 3650 ENGLISH, P. B. A study of water and electrolyte metabolism in sheep. I. External balances of water, sodium, potassium and chloride. Res. Vet. Sci. 7(3):233-257. Ref. July 1966. 41.8 R312
- 3651 ENGLISH, P. B. A study of water and electrolyte metabolism in sheep. II. The volume of distribution of antipyrine, thiosulphate and T 1824 (Evans blue) and values for certain extracellular fluid constituents. Res. Vet. Sci. 7(3):258-275. Ref. July 1966. 41.8 R312
- 3652 FALCONER, I. R. Studies of the congenitally goitrous sheep; composition and metabolism of goitrous thyroid tissue. Biochem. J. 100(1):197-203. Ref. July 1966. 362 B52
- 3653 FALCONER, I. R. Studies of the congenitally goitrous sheep; the iodinated compounds of serum, and circulating thyroid-stimulating hormone. Biochem. J. 100(1):190-196. Ref. July 1966. 362 B52
- 3654 FIELD, E. J., and RAINE, C. S. Observations on "dense-body" structure in nerve cells with special reference to scrapie. Res. Vet. Sci. 7(3):292-295. Ref. July 1966. 41.8 R312
Of sheep.
- 3655 FRANK, F. W., WALDHAIM, D. G., and MEINERSHAGEN, W. A. Stop vibrio in sheep. Idaho, Univ. Ext. Idaho, Curr. Inform. Ser. 35, 2 p. Sept. 1966. 275.29 Id31dc
- 3656 GANNUSHKIN, M. S., and BRONNIKOV, A. K. Application of diagnostic tests during pregnancy for detecting ewes affected with brucellosis. Office Int. Epizoot. Bull. 63(7/8):1065-1075. July/Aug. 1965. 41.8 Of2
- 3657 GERI, G. A modern operating technique for permanent rumen fistula in sheep. (It) Aliment. Anim. 10(8/9):399-406. Aug./Sept. 1966. 389.78 AL4
- 3658 GOLDSMIT, L., and BARZILAI, E. Isolation and propagation of a bluetongue virus strain in embryonating chicken eggs by the intravenous route of inoculation—preliminary report. Reu. fra. Vet. 22(4):279-285. Ref. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 3659 GULTEKIN, M. A comparative osteological study on the bones of the trunk between roe (Capreolus capreolus L.) and native small ruminants (Ovis aries, Capra hircus, L. and Angora goat). (Tur) Ankara Univ. Vet. Fak. Dergisi 12(1/2):6-19. Ref. 1965. 41.9 An4D
English summary.
- 3660 HOLMAN, H. H., and DEW, S. M. The blood picture of the goat. V. Variations due to season, sex and reproduction. Res. Vet. Sci. 7(3):276-286. July 1966. 41.8 R312
- 3661 HUGHES-ELLIS, T. Obstetrics in sheep. Irish Vet. J. 19(12):233-242. Dec. 1965. 41.8 Ir4
- 3662 JONES, L. M., ENTESSAR, F., and ARDALAN, A. Comparison of living vaccines in producing immunity against natural Brucella melitensis infection in sheep and goats in Iran. Inst. Razi. Arch. 17:39-42. Dec. 1965. 41.9 In72
- 3663 KADILOV, E. V., and OVSEPYAN, A. A. Comparative histological characteristics of the internal secretory glands of young rams with the use of various methods of castration. (Rus) Erivan. Erevansk. Zootekh.-Vet. In-t. Tr. 26:113-119. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:2. Dec. 1965. Film S-205
- 3664 KL'OSOV, M. D. Effectiveness of treating lungworms in sheep and calves with aluminum iodide aerosol. (Uk) Vetrynariya 1:5-12. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:35. Sept. 1965.
Film S-205
- 3665 KOTCHOURINE, A. I., and KOSSILOV, I. A. Importance of sheep vaccination with strain-N-19-B for purification of establishments infected with brucellosis. (Fr) Office Int. Epizoot. Bull. 63(7/8):1107-1117. July/Aug. 1965. 41.8 Of2
English summary.
- 3666 LASCELLES, A. K., OUTERIDGE, P. M., and MACKENZIE, D. D. S. Local production of antibody by the lactating mammary gland following antigenic stimulation. Australian J. Exp. Biol. Med. Sci. 44(2):169-179. Ref. Apr. 1966. 442.8 Au7
Ewes.
- 3667 LIVINGSTON, C. W., and others. Polyarthritides virus—a cause of "stiff lambs" in Texas. Southwest. Vet. 18(4):279-281. Summer 1965. 41.8 So82
R. W. Moore, H. E. Redmond, and W. T. Hardy, joint authors.
- 3668 LOPARYEV, I. V. Further studies on aerosol treatment of lungworms in sheep with aluminum iodide. (Uk) Vetrynariya 1:13-18. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:35. Sept. 1965.
Film S-205
- 3669 MACKENZIE, D. D. S., OUTERIDGE, P. M., and LASCELLES, A. K. Transfer of circulating gamma-globulin into milk and efferent mammary lymph during experimental mastitis. Australian J. Exp. Biol. Med. Sci. 44(2):181-195. Ref. Apr. 1966. 442.8 Au7
Lactating ewes.
- 3670 MAKHMUDOV, M. The effect of the minor element copper on the wool productivity of Karakul sheep. (Rus) Uzbek SSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov UzSSR. In-t. Karakulevodstva. Tr. 14:365-380. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965.
Film S-205
- 3671 MCDOUGALL, E. I. Proteins of the succus entericus from the jejunum of the sheep. Biochem. J. 100(1):19-26. Ref. July 1966. 382 B52

- 3672 MOORE, A. W. Stock health precautions are essential. *New Zeal. Meat Prod.* 10(10):37. July 1, 1966. 50.8 N48
Sheep.
- 3673 MUNDAY, B. L., and others. Preparturient infections and other causes of foetal loss in sheep and cattle in Tasmania. *Australian Vet. J.* 42(6):189-193. Ref. June 1966. 41.8 Au72
F. B. Ryan, S. J. King, and A. Corbould, joint authors.
- 3674 MURZAMADIEV, A. Electron microscopic study of the problem of oogenesis in sheep. (Rus) *Akad. Nauk Kazakhskoi SSR. Izv. Ser. Biol. Nauk* 1:97-102. 1965. 442.8 Al6
Chiefly cytology.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:2. Aug. 1965. Film S-205
- 3675 NEETZOW, E. W., GRAFNER, G., and RADKE, W. Contribution on coccidiosis in small ruminants. (Ge) *Monatsh. Veterinar-med.* 21(12):466-469. Ref. June 15, 1966. 41.8 M742
English summary.
Sheep.
- 3676 NILSSON, O., and SORELIIUS, L. Field trials with tetramizole—a new anthelmintic drug with a broad spectrum. I. (Sw) *Nord. Veterinar-med.* 18(6):314-322. June 1966. 41.8 N813
English summary.
Sheep.
- 3677 OUTERIDGE, P. M., and LASCELLES, A. K. The cellular and immune response in milk and regional lymph during experimental mastitis. *Res. Vet. Sci.* 7(3):360-367. Ref. July 1966. 41.8 R312
Of sheep.
- 3678 PATYK, S. From observations on coccidia, gastrointestinal nematodes and tapeworms in lambs and calves in the west regions of Poland. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 13:17-36. Ref. 1964, pub. 1965. 49.9 B75
English summary.
- 3679 POTEET, R., and CONWAY, D. P. Relation between fecal egg counts and parasite counts in sheep infected by the nematode, *Haemonchus contortus*. *Ark. Agr. Exp. Sta. Rep. Ser.* 151, 8 p. Ref. June 1966. 100 Ar42F
- 3680 PUGH, D. M. Adrenal cortex insufficiency in ewes—its induction, recognition and treatment. *Irish Vet. J.* 20(3):46-50. Mar. 1966. 41.8 Ir4
Surgical removal of the adrenal glands and the administration, by injection, of the adrenal cortical hormones.
- 3681 PUGH, D. M. The treatment of liver fluke infestation in sheep. *Irish Vet. J.* 19(12):223-232. Ref. Dec. 1965. 41.8 Ir4
- 3682 ROBERTS, D. S., and KEEP, J. M. Infection of the wool of sheep by *Microsporum canis*. *Sabouraudia* 4(2):96-97. June 1965. 450 Sa8
Includes possibility of transmission from cats.
- 3683 ROBERTS, H. E., WILLIAMS, B. M., and HARVARD, A. Cerebral oedema in lambs associated with hypocalcaemia, and its relationship to swayback. I-II. *J. Comp. Pathol.* 76(3):279-290. Ref. July 1966. 41.8 J82
- 3684 SABA, N., and others. Some biochemical and hormonal aspects of experimental ovine pregnancy toxemia. *J. Agr. Sci. [London]* 67(1): 129-138. Ref. Aug. 1966. 10 J822
K. N. Burns, N. F. Cunningham, C. N. Hebert, and D. S. P. Petterson, joint authors.
- 3685 SAMOLENKO, I. S., FILONOV, K. YE., and HOL'KHOVA, YE. I. Relationship between the secretory function of the parotid glands and the gas metabolism of the sheep's body. (Uk) *Fiziol. i Biokhimiya Sil's'kohospod.* Tvaryn 2:94-99. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:7. Aug. 1965. Film S-205
- 3686 SELIVANOV, A. V. Immunization of sheep against brucellosis by aerosols with vaccine strain-19 in liquid phase. (Fr) *Office Int. Epizoot. Bull.* 63(7/8):1125-1135. July/Aug. 1965. 41.8 Or2
English summary.
- 3687 SELIVANOV, A. V. Localization of *Brucella* vaccines and the time necessary for locating them in sheep with aerosol immunization. (Rus) *Sibirskii Nauch.-Issled. Vet. Inst. Sborn. Nauch. Rabot* 12:35-39. 1964. 41.9 Om7
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:29. Aug. 1965. Film S-205
- 3688 SHIL'NIKOV, V. I. The use of aluminum iodide aerosols for deworming sheep with lungworms. (Rus) *Vses. In-t. Gel'mintol. Tr.* 11:199-201. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:35-36. Sept. 1965. Film S-205
- 3689 SMITH, H. J., and ARCHIBALD, R. M. The overwinter survival of ovine gastro-intestinal parasites in the Maritime Provinces, Can. *Vet. J.* 6(10):257-267, map. Ref. Oct. 1965. 41.8 R3224
- 3690 SOLDAT'ONKOV, P. F., and LUBNIN, A. I. Metabolism of sugar, fatty acids, and acetone bodies in the wall of the gastro-intestinal tract of sheep with hyper- and hypothyroidism. (Uk) *Fiziol. i Biokhimiya Sil's'kohospod.* Tvaryn 2: 87-93. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:39. Aug. 1965. Film S-205
- 3691 SZABO, I. Prevention of ammonia toxicosis when feeding urea. *Acta Agron. [Budapest]* 15 (1/2):59-63. Ref. 1966. 19 Ac8
Sheep.
- 3692 TOMOV, T., and KOLLING, K. Rumen movements and eructation in small ruminants. (Ge) *Monatsh. Veterinar-med.* 21(13):514-520. Ref. July 1, 1966. 41.8 M742
English summary.
Sheep and goat.
- 3693 TUCKER, E. M. The life span and other physiological properties of sheep red cells containing type A, B, or C. (N) *haemoglobin. Res. Vet. Sci.* 7(3):368-378. Ref. July 1966. 41.8 R312
- 3694 TUDORIU, C. D. On the nature of *Brucella* ovis. (Fr) *Office Int. Epizoot. Bull.* 63(7/8): 1313-1317. Ref. July/Aug. 1965. 41.8 Or2
English summary.
Eradication of the disease in Rumania.
- 3695 TURK, R. D., GALVIN, T. J., and BELL, R. R. Comparative tests of the anthelmintics, haloxan, phenothiazine and thiabendazole in sheep and goats. *Southwest. Vet.* 19(1):44-48. Fall 1965. 41.8 So82
- 3696 URBANOVYCH, P. P. Diagnosis of listeriosis in sheep. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 6:112-113. June 1965. 20 V82
Russian summary.
- 3697 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. Incidence of bluetongue reported in sheep in the U.S.A. during calendar year 1964. *Office Int. Epizoot. Bull.* 63(7/8):1343-1345, map. July/Aug. 1965. 41.8 Or2
- 3698 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Foot rot of sheep. U. S. D. A. Farmers' Bull. 2206, 16 p. Aug. 1966. 1 Ag84F
U. S. Agricultural Research Service, Animal Health Division, cooperating.
- 3699 VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Internal parasites of sheep. Va. Polytech. Inst. Ext. Leaflet. 232, 4 p. Mar. 1966. 275.29 V81L
- 3700 VOTYAKOV, V. I., and PROTAS, I. I. The course of experimental infection in sheep infected with tick-borne encephalitis strains recovered in different geographical areas of the USSR. (Rus) *Vop. Virusol.* 4:454-462. Ref. July/Aug. 1965. 448.8 P942
English summary.
- 3701 WERTEJUK, M. Influence of environmental conditions on the infective larvae of gastrointestinal nematodes of sheep. 26 p. Ref. (OTS 61-31290) Transl. 15191
Translation from *Acta Parasitologica Polonica* 7(15):315-342. 1959.
CFSTI: \$2.00.

- 3702 WHEATLEY, I. S., WALLACE, A. L. C., and BASSETT, J. M. Metabolic effects of ovine growth hormone in sheep. *J. Endocrinol.* 35 (4):341-353. Ref. Aug.1966. 448.8 J8293
- 3703 WILLIAMS, V. J., and CHRISTIAN, K. R. Rumens fermentation of fresh herbage. *J. Agr. Sci. [London]* 67(1):59-65. Aug.1966. 10 J822 Sheep.
- 3704 YOUNG, B. A. A simple method for the recording of jaw movement patterns. *Inst. Anim. Tech. J.* 17(1):20-21. Mar.1966. QL55.15 Studies on eating behavior of sheep.
- 3705 ZAMARIN, L. G. Preventing sheep from shedding wool in iodine deficient foci by using microdoses of potassium iodide. (Rus) *Saratovsk. Zoovet. In-t. Tr.* 12:197-200. 1964. 41.9 Sa72
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:34. July 1965. Film S-205
- Miscellaneous
- 3706 BOWEN, W. G. Sheep branding. *Massey Univ. Manawatu. Sheepfarming Annu.* 1965:71-74. 45.9 M38S
New Zealand.
- 3707 BOX, T. W. The goat. *Sheep Goat Raiser* 46 (12):20,22,24. Sept.1966. 45.8 Sh3
Situation.
- 3708 CAIRNEY, I. M. Improved management can reduce lamb losses. *New Zeal. Meat Prod.* 10(10):40. July 1,1966. 50.8 N48
- 3709 CROWLEY, J. P. Extending seasonal supplies of lamb. *Farm Res. News* 7(3):59,62. May/June 1966. 10.5 F223
Ireland.
- 3710 HENDERSON, A. E. How shearing affects the woolclip. *Massey Univ. Manawatu. Sheepfarming Annu.* 1965:81-90. 45.9 M38S
New Zealand.
- 3711 KAVANAGH, P. J., and BAXTER, J. T. The winter housing of sheep. *Irish Vet. J.* 20(2):22-33. Ref. Feb.1966. 41.8 Ir4
- 3712 MASSEY UNIVERSITY OF MANAWATU. *Sheepfarming annual 1965*, including the proceedings of the twenty-eighth annual meeting of sheepfarmers conducted by Massey University of Manawatu, Palmerston North, from June 22 to 24, 1965, edited by R. A. Barton. Wellington, 1965. 200 p. 45.9 M38S
- 3713 MOORE, A. W. Lambing time will soon be with us again. *New Zeal. Meat Prod.* 10(9):45. June 1,1966. 50.8 N48
- 3714 NIELSEN, J. On sheep. (Da) *BP Olie-Kompagniet Nyhedstjeneste* 52:1-10. July 1966. 281.9 B44
Sheep husbandry in Denmark.
- 3715 NOLAN, T. Success of Creagh experiments may point the way to fat lamb production in the west. *Farm Res. News* 6(4):82-84. July/Aug. 1965. 10.5 F223
Ireland.
- 3716 OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. *Sheep research and development, 1966*. Ohio. Agr. Res. Develop. Center, Res. Sum. 11,38 p.,map. July 1966. 100 Oh3Rs
- 3717 SWEETEN, B. Overly-greasy goat not the money-maker many stockmen think he is. *Sheep Goat Raiser* 46(10):18-20. July 1966. 45.8 Sh3
Effect on wool production.
- 3718 THERET, M. A glance at ovine development. (Fr) *Mouton* 21(6/7):61-62. June/July 1966. 45.8 M86
- 3719 TORTORELLI, N. Evolution in the raising of sheep and improvement in meat production. (It) *Inform. Zootec.* 13(13):571-573. July 15, 1966. 49 In3
- 3720 VIDAKOVIC, M., and KARADZIC, M. Sheep husbandry in the Soviet Union. (Se) *Stocarcvo* 20(5/6):231-241. May/June 1966. 43.8 St6
- 3721 WICKENDEN, G. L. Alternatives to wool branding for sheep identification. *Massey Univ. Manawatu. Sheepfarming Annu.* 1965:63-70. 45.9 M38S
New Zealand.
- 3722 WILLIS, F. J., and KINSEY, T. E. The cost of early fat lamb; artificial versus natural rearing indoors. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(7):302-307. July 1966. 10 G79J
- SWINE
- Breeds and Breeding
- 3723 AAMDAL, J. Artificial insemination in pigs in Norway. *World Rev. Anim. Prod.* 2(spec.issue):64-70. 1966. 49 W89
- 3724 BECSE, J. Experience with artificial insemination in pigs and its situation in Hungary. (Ge) *World Rev. Anim. Prod.* 2(spec.issue):87-89. 1966. 49 W89
English summary.
- 3725 BECZE, J., and others. Observations on reproductive efficiency in the Gottingen miniature pig. (Ge) *Deut. Tierarztl. Wochenschr.* 73 (14):345-349. Ref. July 15,1966. 41.8 D482
D. Smidt, B. Scheven, and W. Holtz, joint authors.
English summary.
- 3726 BOENDER, J. The development of A.I. in pigs in the Netherlands and the storage of boar semen. *World Rev. Anim. Prod.* 2(spec.issue):29-44. Ref. 1966. 49 W89
- 3727 BRONE, E. Artificial insemination in pigs in the Province of West Flanders in Belgium. (Fr) *World Rev. Anim. Prod.* 2(spec.issue):78-83. 1966. 49 W89
English summary.
- 3729 BUTORINA, K. P. Effect of homo- and heterogenous selection on fecundity of sows. (Uk) *Visnyk Sil'skohospodar. Nauk.* 6:99-102. June 1965. 20 V82
Russian summary.
- 3729 CSIRE, L., and KLOSZ, T. Selectional value of the 180 days weight in Yorkshire stocks. (Hu) *Kiserletugyi Kozlemenyek* 58/2(6):65-73. 1965, pub.1966. 105.9 H89
English summary.
- 3730 CUNNINGHAM, B. Bilateral femoral epiphyseolysis in a Landrace boar. *Irish Vet. J.* 20 (4):66-68. Apr.1966. 41.8 Ir4
- 3731 DIETRICH, H. Importance of cooperation relations for establishing pure race sow herds and for executing line breeding programs. (Ge) *Tierzucht* 20(8):409-411,414. Aug.1966. 49 T443
- 3732 DU BUISSON, F. DU M., and SIGNORET, J. P. The female's influence on the success of insemination in pigs under practical conditions. (Fr) *World Rev. Anim. Prod.* 2(spec.issue):45-54. Ref. 1966. 49 W89
English summary.
- 3733 DURHAM, R. M. Breeds of swine. In Cole, H. H., ed. *Introduction to livestock production*, including dairy and poultry, ed.2.p.156-165. 1966. SF61.C6
- 3734 DURHAM, R. M. Genetic improvement in swine. In Cole, H. H., ed. *Introduction to livestock production*, including dairy and poultry, ed.2.p.287-300. 1966. SF61.C6
- 3735 ENGLAND, D. C. Management for litter size in swine. *WSU (Washington State Univ.) Stockmen's Short Course*, 13th Course:5-13. 1965. 49.9 W27
Chiefly by breeding.
- 3736 FERJAN, J. Rodovitost plemenskih svinj v rejskih srediscih Slovenije v letu 1964 [Fertility of swine breeds in breeding centers of Slovenia in 1964]. Ljubljana. Kmetijski Institut Slovenije, 1965. 25 p. 21.5 SL5
German summary.
- 3737 HAHN, R. The present situation of A.I. in pigs in the German Federal Republic. (Ge) *World Rev. Anim. Prod.* 2(spec.issue):71-73. 1966. 49 W89
English summary.
- 3738 HARING, F., and SMIDT, D. Importance and prospects of artificial insemination of pigs. *World Rev. Anim. Prod.* 2(spec.issue):13-14. 1966. 49 W89

- 3739 HOFMANN, F., and BOETTCHER, H. Can the slaughter performance of culled breeding sows contribute to the characteristic of the sow families? (Ge) Arch. Tierzucht 9(3):243-259. 1966. 49 Ar23
English summary.
- 3740 JAROSZ, S. The influence of hypophysis upon the translocating of sperm in the sow's womb. (Pol) Roczn. Nauk Roln. 88-B-1:19-29. Ref. 1966. 20,5 R59
English summary.
- 3741 JONSSON, P. Continued investigation of the genetic correlation between boars and sows for slaughter quality characteristics of Danish Landrace. (Da) Denmark. Landokon. Forsogs-lab. Arb. 1965(fall meeting):126-129. 49,9 D41
- 3742 JONSSON, P. Continued results from the division of Danish Landrace by phenotype based on the results from swine experiment stations. (Da) Denmark. Landokon. Forsogs-lab. Arb. 1965(fall meeting):130-133. 49,9 D41
- 3743 JONSSON, P. Experiments with Pietrain breed swine. (Da) Denmark. Landokon. Forsogs-lab. Arb. 1965(fall meeting):136-141. 49,9 D41
Effects of hybridization on meat production.
- 3744 JUSSLAUX, M. Technical and economic aspects in artificial insemination in pigs. (Fr) World Rev. Anim. Prod. 2(spec.issue):90-92. 1966. 49 W89
English summary.
Includes semen preparation techniques in France.
- 3745 JUSZCZAK, J., and NOWICKI, B. The slaughtering value of the Polish Great White breed and hybrids of Polish Great White breed with Swedish Landrace. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:107-116. Ref. 1964, pub. 1965. 49,9 B75
English summary.
- 3746 KOTIK, T. The level of protein fractions in the blood serum of pigs. I. The influence of breed and sex. (Pol) Roczn. Nauk Roln. 88-B-1:39-44. Ref. 1966. 20,5 R59
English summary.
- 3747 LAURENTOWSKA, C. Influence of breed, litter and sex on fat content in bacon carcasses. (Pol) Roczn. Nauk Roln. 88-B-1:45-50. Ref. 1966. 20,5 R59
English summary.
- 3748 LINDSTROM, U. Swine insemination in Finland. World Rev. Anim. Prod. 2(spec.issue):93-98, map. 1966. 49 W89
- 3749 MATEIRO, J. G. Study and trial of artificial insemination of swine. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 33(1):3-32. Ref. 1965. 41,8 P83
English summary.
- 3750 MELROSE, D. R. Artificial insemination of pigs—a review of progress and of possible developments. World Rev. Anim. Prod. 2(spec.issue):15-28. 1966. 49 W89
- 3751 NAHLINDER, L. Extended use of radioisotope. (Sw) Svinskotsel 56(2):33. 1966. 46,9 Sv2
In the selection of swine for breeding.
- 3752 NORRISH, J. G. Improving grades by proper pig selection. Hog Prod. 2(3):10-11. Apr. 1966. 46,8 H675
In Canada.
- 3753 POLGE, C. Recent advances in controlled breeding of pigs. Outlook Agr. 5(1):44-48. Ref. 1966. 10 Ous
Great Britain.
- 3754 RITTLER, A. Untersuchungen über Echolotmessungen als Hilfsmittel für die Schätzung des Zuchtwerthes junger Eber [Research on sonic depth finders as aid in determining the breeding value of young boars]. Hohenheim. Landwirt. Hochschule. Diss. 14,50 p. July 1964. 105,8 H686D
Bibliography, p.43-48.
- 3755 RUTGERS, A. Organization and results of artificial insemination in pigs in the Netherlands. World Rev. Anim. Prod. 2(spec.issue):55-63. 1966. 49 W89
- 3756 SCHULMAN, F. Inbreeding problems in swine husbandry. (Sw) Svingarden 2:30-31. In Tidsskr. Lantman Andelsfolk 18. Sept.30,1965. 20 T43
- 3757 SHAVKUN, V. YU. Free amino acid content in boar sperm. (Uk) Fiziol. i Biokhimiya Sil's'-kohospod. Tvaryn 2:150-152. 1964.
Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:11. Aug.1965.
Film S-205
- 3758 SIGNORET, J. P. Artificial insemination in pigs in France. (Fr) World Rev. Anim. Prod. 2(spec.issue):84-86. 1966. 49 W89
English summary.
- 3759 STAUN, H. Partial castration of boars. (Da) Denmark. Landokon. Forsogs-lab. Arb. 1965 (fall meeting):67-71. 49,9 D41
Effects on meat production.
- 3760 STAUN, H. Slaughtering of boars at varying live weight. (Da) Denmark. Landokon. Forsogs-lab. Arb. 1965(fall meeting):71-74. 49,9 D41
Effects on pork flavor.
- 3761 TIETJE, K. Untersuchungen über die Sexualpotenzen von Ebern der veredelten Landschweine-rasse unter besonderer Berücksichtigung der Jungeher Investigations on the sexual potency of Improved Landrace boars under special emphasis on the young boar. Hanover. Tier-arzt. Hochschule. Inaug.-Diss. 52,48 p. 1965. 41,2 H198
Bibliography, p.46-51.
- 3762 VASILEV, TS. Industrial hybridization of swine. (Bu) Priroda [Sofia] 14(5):57-51. Sept./Oct.1965. 410 P934
- 3763 VERA CRUZ, N. C. Artificial insemination in pigs. II. Storage of semen extended in various concentrations of glycine-egg-yolk diluters at 4°C. Philippine J. Anim. Indus. 21(4):239-247. Ref. Fourth Q.1960, pub.1965. 49,9 P53P
- 3764 WILLEMS, A. E. R., and BOONE, G. Artificial insemination in pigs in Belgium. (Fr) World Rev. Anim. Prod. 2(spec.issue):74-77. 1966. 49 W89
English summary.

Feeds and Feeding

- 3765 AIRO, A. How to use the second harvest. (Sw) Svingarden 2:37. In Tidsskr. Lantman Andels-folk 18. Sept.30,1965. 20 T43
Grain as feed for swine in Finland.
- 3766 BECKER, D. E. Pelleted hog feeds. Merck Agr. Memo 11(1):1-2. Ref. Spring 1966. 41,8 M53
- 3767 BEREK, G., and LAKATOS, T. Comparison of feeding dry and wet meal mixtures to sucking and to weaned piglets. (Hu) Kiserletugy Kozlemenyek 58/B(2):53-63. 1965, pub.1966. 105,9 H89
English summary.
- 3768 BRAUDE, R., and ROWELL, J. G. Comparison of meal and pellets for growing pigs fed either in troughs or off the floor. J. Agr. Sci. [London] 67(1):53-57. Ref. Aug.1966. 10 J822
Rations.
- 3769 BRAUDE, R. Problems in pig feeding. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):377-378. 380-381. Aug.1966. 10 G79J
Effects on meat production.
- 3770 CHACHULOWA, J., and others. Copper sulphate and "biotin" as supplements in fattening swine. (Pol) Roczn. Nauk Roln. 87-B-4:587-594. Ref. 1966. 20,5 R59
M. Kotarbinska, and F. Witeczak, joint authors.
English summary.
- 3771 DELIC, I., SRECKOVIC, A., and ZDRAVKOVIC, R. Different levels of alfalfa leaves and meal of dehydrated alfalfa as protein sources for fattening of swine. (Se) Stocastro 20(3/4):97-106. Ref. Mar./Apr.1966. 43,8 St6
English summary.
- 3772 DEVYATKIN, A. I. Korma dlya svinei [Feed for swine]. Moskva, Vysshaya Shkola, 1966. 62 p. SF396.U4D4
- 3773 DIGGS, B. G., and BAKER, B. Antibiotics in swine rations. Miss. Agr. Exp. Sta. Inform. Sheet 916, 1 p. Jan.1966. 100 M69In

- 3774 FEKETE, L. Data to the digestibility of nutrients of lucerne meal in pigs. (Hu) Kiserletugyi Kozlemenyek 58/B(1):65-69. 1965, pub. 1966. 105.9 H89
English summary.
- 3775 FEKETE, L. Influence of the crude fibre content of feeds on measurements of the alimentary canal of pigs. (Hu) Kiserletugyi Kozlemenyek 58/B(1):23-37. Ref. 1965, pub. 1966. 105.9 H89
English summary.
- 3776 FOSTER, J. R. Pigs to pork, nutrition: balancing swine rations. Purdue U. Ind. Agr. Ext. Mimeo AS-326, 11 p. Jan. 1965. 49.9 In23
Supplements.
- 3777 FRITZ, Z., PRES, J., and RUSZCZYC, Z. Fattening pigs with concentrates supplemented with methionine. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:125-130. 1964, pub. 1965. 49.9 B75
English summary.
- 3778 GRZESZCZAK-SWITLIKOWSKA, U. Investigations on biosynthesis, absorption and storage of vitamin B₁₂ in growing pigs fed with different types of rations. (Pol) Roczn. Nauk Roln. 87-B-4:561-585. Ref. 1966. 20.5 R59
English summary.
- 3779 GUDILIN, I. I. Fattening of swine to different weight conditions. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:84-86. July 1966. 20 V633
- 3780 HANSEN, V. Herring silage with fat removed. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):29-31. 49.9 D41
For feeding of slaughter swine.
- 3781 HANSEN, V. Irradiated blood meal and bone-meal for slaughter swine. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):37-45. 49.9 D41
Effects on growth and meat quality.
- 3782 HANSEN, V., and DANIELSEN, V. Scotaferm. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):26-28. 49.9 D41
A distillers byproduct for feeding slaughter swine.
- 3783 HANSEN, V. Soybean meal, increasing amounts as the sole protein supplement; addition of amino acids or amino acids + vitamin B. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):31-36. 49.9 D41
Swine feeding.
- 3784 HOJGAARD-OLSEN, N. J. Iron supplements for baby pigs. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):20-22. 49.9 D41
- 3785 HOLLANDBECK, R. Pigs to pork, nutrition: forage utilization guidelines for hogs. Purdue U. Ind. Agr. Ext. Mimeo AS-334, 3 p. Oct. 1965. 49.9 In23
- 3786 HSU, C. Y., and HSUEH, T. Y. Nutrient requirements and feeding standards for growing-fattening Ha-pa pigs. III. Effect of feeding method and slaughter time on the speed of weight gaining, utilization rate of the feed and the torso. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:23-34. Sept. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:76-77. Mar. 2, 1966.
(JPRS 34,362; TT 66-30802) 241.7 Un34C
- 3787 JACOBSEN, K. A. Baby pig problems. (Da) Landbonyt 20(9):302-304. Sept. 1966. 11 L2322
Feeding including weaning.
- 3788 JACOBSEN, K. A. Is swine production satisfactory? (Da) Landbonyt 20(8):266-270. Aug. 1966. 11 L2322
Chiefly feeding.
- 3789 JANČARIK, A., and PROKSOVA, M. The digestibility of minerals in swine. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotechn. Inform. Zivocisna Vyroba 39(6):403-414. Ref. June 1966. 49.9 C33
English summary.
- 3790 JANICKI, M. A., KOLACZYK, S., and KORTZ, J. Colour of meat as influenced by level of nutrition in pigs. Roczn. Nauk Roln. 88-B:131-37. Ref. 1966. 20.5 R59
- 3791 KERTESZ, F. Quantitative protein requirement of Hungarian Large White pigs during fattening. (Hu) Kiserletugyi Kozlemenyek 58/B(2):13-36. Ref. 1965, pub. 1966. 105.9 H89
English summary.
- 3792 KONDAUROV, B. I. Raising baby pigs on artificial nutrient mixtures. (Rus) Sibirskii Nauch.-Issled. Vet. Inst. Sborn. Nauch. Rabot 12:111-117. 1964. 41.9 Om7
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:9-10. Aug. 1965. Film S-205
- 3793 KRISTENSEN, P. Observations in pigpens. (Da) Landbonyt 20(3):102, 104. Mar. 1966. 11 L2322
Feeding, disease and sanitation.
- 3794 KROENING, G. H. Wheat, barley and peas for swine. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:45-50. 1965. 49.9 W27
- 3795 KRYLOVA, V. S. The use of vitamin preparations and synthetic vitamins of the B group in order to reduce losses of protein feeds, and especially of feeds of animal origin. (Rus) Mosk. Vet. Akad. Uch. Zap. 1964:91-94. Not in Libr.
Includes vitamin B₁₂ and riboflavin supplements; in swine-raising.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:11. Aug. 1965. Film S-205
- 3796 LAAKSONEN, L. Feeding of slaughter swine. (Sw) Svingarden 227. In Tidsskr. Lantman Andersfolk 18. Sept. 30, 1965. 20 T43
- 3797 LEONT'YEV, V. O. Controlled raising of swine and its effect on fattening. (Uk) Visnyk Sil'skohospodar. Nauk 12:97-99. 1964. 20 V82
Effects of feeding on breeding.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:11. Sept. 1965. Film S-205
- 3798 LUDVIGSEN, J. B. Protein supplement and changes in the intestinal flora of swine. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):322-327. 49.9 D41
- 3799 LUECKE, R. W. Recent developments in swine nutrition. Ark. Formula Feed Conf. Program 1965:1-11. 39.79 Ar42
- 3800 MADSEN, A., MASON, V. C., and WEIDNER, K. Effect of heated and unheated fishmeal on the protein synthesis, daily growth, slaughter quality of swine. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):274-289. Ref. 49.9 D41
- 3801 MADSEN, A., LAURSEN, B., and MORTENSEN, H. P. Moldy barley. (Da) 1965 (fall meeting): 106-120. 49.9 D41
Effects on growth and meat quality of swine.
- 3802 MADSEN, A., MORTENSEN, H. P., and LAURSEN, B. Prepared feed mixtures for slaughter swine. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):55-67. 49.9 D41
- 3803 MAYROSE, V. B., and FOSTER, J. R. Pigs to pork, nutrition: protein for swine. Purdue U. Ind. Agr. Ext. Mimeo AS-337, 4 p. Jan. 1966. 49.9 In23
- 3804 MAYROSE, V. B. Pigs to pork, nutrition: wheat for swine. Purdue U. Ind. Agr. Ext. Mimeo AS-332, 2 p. Sept. 1965. 49.9 In23
- 3805 MENTLER, L. Ensilation experiments with pulped lucerne. Acta Agron. [Budapest] 15 (1/2):165-176. Ref. 1966. 19 Ac8
For swine feeding.
- 3806 MODERN VETERINARY PRACTICE. Trends in nutrition; reproductive performance in swine. Mod. Vet. Pract. 47(10):72-74. Sept. 1966. 47.8 N812
- 3807 MOSS, R. B., WILLIAMS, E. W., and HALE, O. M. Swine performance, carcass traits, and costs as affected by level of feed. Ga. Agr. Exp. Sta. Circ. (n.s.) 48, 11 p., May. July 1966. 100 C293C1
- 3808 MULLER, Z. Saccharin, a new additive in the feed rations of swine. (Cz) Agrochemia [Bratislava 6(6):186-188, 1966. 385 Ag88
English summary, p. 1 of supplement.

- 3809 NIELSEN, A. J. Moldy barley compared to first class barley. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):96-105. Ref. 49.9 D41
Effects on swine growth.
- 3810 NIELSEN, H. E., and HOJGAARD-OLSEN, N. J. Vitamin E for pregnant and nursing sows. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):15-16. 49.9 D41
- 3811 NIELSEN, H. E., DANIELSEN, V., and TERKESEN, P. J. Weaning at the age of 5 or 7 weeks. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):23-25. 49.9 D41
Baby pigs.
- 3812 NIKOLIC, M., SRECKOVIC, M., and BRUNDZA, V. The effect of degermed corn upon swine fattening. (Se) Stocarstvo 20(5/6):201-207. Ref. May/June 1966. 43.8 S6
English summary.
- 3813 NIKOLIC, M., and others. Effect of feeding alfalfa meal and sunflower meal upon digestibility of ration and biological effect in growing and fattening swine. (Se) Stocarstvo 20(3/4):137-145. Ref. Mar./Apr. 1966. 43.8 S6
M. Kosanovic, A. Sreckovic, and S. Savic, joint authors.
English summary.
Includes weight.
- 3814 NOLAND, P. R., SCOTT, K. W., and BAUGUS, C. A. Use of grain sorghum in creep rations for pigs. Ark. Farm Res. 15(4):3. July/Aug. 1966. 100 Ar42F
- 3815 ORLINSKY, B. S. Pantothenic acid and its uses in swine feeding. (Rus) Zhivotnovodstvo 7:87-88. July 1966. 49 Z6
- 3816 OSARA, E. Milk preparation for baby pigs. (Sw) Svingarden 2:28. In Tidskr. Lantman Andersfolk 18, Sept.30,1965. 20 T43
- 3817 PEO, E. R. Current problems in swine nutrition. Ill. Vet. 8(4):5-6,8,10. Fall 1965. 41.8 L62
- 3818 PICKETT, R. A., and PERRY, T. W. Effect of methods of preparation and feeding of corn on the performance of growing-finishing swine. Ind. Agr. Exp. Sta. Res. Progr. Rep. 265, 3 p. Sept.1966. 100 In2Res
Rations.
- 3819 PICKETT, R. A., FOSTER, J. R., and HOLLANDBECK, R. Pigs to pork, nutrition: forages for sows. Purdue U. Ind. Agr. Ext. Mimeo AS-330, 3 p. July 1965. 49.9 In23
- 3820 PODLETSKAYA, N. N. Vitamin B12 concentrate in food rations of baby pigs. (Rus) Svi-novodstvo 3:26-27. 1965. 46.8 Sv33
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:9-10. Sept.1965. Film S-205
- 3821 PRES, J., FRITZ, Z., and RUSZCZYC, Z. Methionine and lysine as an animal protein replacement in the feeding of fattening pigs. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:117-124. Ref. 1964.pub.1965. 49.9 B75
English summary.
- 3822 REEL, S. R. A complete liquid feeding and S.P.F. swine production system on concrete. Southern Ill. Univ. Sch. Agr. Anim. Indus. Publ. 8:1-8. 1966. 49.9 So812
- 3823 ROBERTSON, H. H. Problems encountered in confinement feeding of swine. Kans. Vet. 22 (2):2,4,6. Mar./Apr.1966. 41.9 K133B
- 3824 ROBSON, G. R. Controlled feeding and tethered management of the breeding herd with observations on early weaning, restricted feeding, and artificial insemination. Southern Ill. Univ. Sch. Agr. Anim. Indus. Publ. 8:14-18. 1966. 49.9 So812
- 3825 ROTKIRCH, C. W. Feeding of sows during pregnancy and lactation. (Sw) Svingarden 2:31, 33. In Tidskr. Lantman Andersfolk 18. Sept.30, 1965. 20 T43
- 3826 SALMON LEGAGNEUR, E. Quelques aspects des relations nutritionnelles entre la gestation et la lactation chez la truie [Some aspects of the nutritional relations between gestation and lactation of sow]. Ann. Zootech. 14(spec.no.1), 137 p. 1965. 49 F84
English summary.
Bibliography, p.127-137.
- 3827 SCOLARI, A., and ZELIOLI, A. Investigations on the nutritive value of dates in the feeding of swine: Phoenix dactylifera fruits. (It) Zootech. Vet. 21(3/4):70-75. Mar./Apr.1966. 41.8 Z7
English summary.
- 3828 SMOLINSKA, T., and KARLINSKA, K. The feed value of sweetened condensed milk useless for consumption. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 12:193-199. 1964.pub.1965. 49.9 B75
English summary.
For swine feeding.
- 3829 SOBCHAK, Z., and SZLICHINSKA, E. Investigations on the influence of 10 per cent addition of dried algae to feed upon its digestibility and assimilation of total nitrogen in swine. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:143-148. 1964.pub.1965. 49.9 B75
English summary.
- 3830 STRICEVIC, N. The economic value of mol-lasses for feed. (Se) Stocarstvo 20(5/6):179-186. Ref. May/June 1966. 43.8 S6
Swine.
- 3831 THOMSEN, R. N., and PEDERSEN, O. K. Comparative trials with swine from state approved breeding centers. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):120-126. 49.9 D41
Feeding and meat production.
- 3832 THORBEK, G. Investigations of the energy value of barley, corn and milo for growing swine. Experiment C and D. 1964-65. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):267-268. 49.9 D41
- 3833 TKACHOV, I. F., and S'OMIN, V. M. Effects of phytoplankton and vitamin B12 on swine growth. (Uk) Visnyk SIL's'kohospodar. Nauk. 6:94-98. June 1965. 20 V82
Russian summary.
- 3834 TODD, A. C. E. Raising pigs for profit. Queensland Agr. J. 92(5):267-269. May 1966. 23 Q33
Value of skim milk as feed in meat production.
- 3835 TREL, S. Investigations on the development of piglets with sow's milk substitute, nutrient powder "lactal." (Pol) Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 7:69-82. Ref. 1965. 49.9 K852
English summary.
- 3836 WALLMEN, A., and BURR, R. Utilization of rumen content for feeding purposes. (Ge) Tierzucht 20(8):432-435. Aug.1966. 49 T443
Swine.
- 3837 WRIGHT, D. Can restriction be made profitable? Agr. Northern Ireland 41(4):106-108. Aug.1966. 256.13 Ag82M
In swine feeding.
- 3838 ZANETTI, R. Hygiene of feeding; animal feeding and veterinary medicine. (It) Vet. Ital. 17 (3/4):205-220. (Cont.) Mar./Apr.1966. 41.8 C97
Chiefly for swine.

Veterinary Medicine

- 3839 ALDASY, P., MATE, ZS., and VANYI, A. Investigations on virus diarrhea of piglets. (Hu) Magyar Allatorv. Lapja 21(6):247-251. Ref. June 1966. 41.8 V644
English summary.
Transmissible gastroenteritis.
- 3840 BACKSTROM, L., and HENRICSON, B. Adventitious bursitis below the hocks in pigs. (Sw) Nord. Veterinaermed. 18(6):305-313. Ref. June 1966. 41.8 N813
English summary.
- 3841 BAKOSS, P., and CHADLI, A. Swine, reservoir of Leptospira mitis in Tunisia. (Fr) Inst. Pasteur Tunis. Arch. 42(1):85-91. Mar. 1965. 44.3 In72
- 3842 BASSE, A., and JONSSON, P. Congenital lameness of the hind part of swine. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):133-135. 49.9 D41

- 3843 BENDALL, J. R. The effect of pre-treatment of pigs with curare on the post-mortem rate of pH fall and onset of rigor mortis in the musculature. *J. Sci. Food Agr.* 17(6):333-338. Ref. Aug.1966. 382 So12
- 3844 BESSONOV, A. S. The role of animal carcasses and slaughterhouse residues in Trichinellosis infection of swine in the Belorussian SSR. (Rus) *Vses. In-t. Gel'mintol. Tr.* 11:12-21. 1964. 436.9 V96
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 17:36. Sept.1965. Film S-205
- 3845 BOLLWAHN, W. A contribution to the clinical diagnosis of lameness in pigs. (Ge) *Deut. Tierarztl. Wochenschr.* 73(15):373-377. Aug.1, 1966. 41.8 D482
English summary.
- 3846 BOUCHER, W. B. Edema disease of swine. *Penn. Vet.* 18(1):17-18. Mar.1966. 41.8 P38
- 3847 BOYLAN, W. J., RAHNEFELD, G. W., and SEALE, M. E. Ear characteristics and performance in swine. *Can. J. Anim. Sci.* 46(1):41-46. Apr.1966. 41.8 C163
In evaluating meat production.
- 3848 BUCK, W. M., PRESTON, K. S., and ABEL, M. Common weeds [Amaranthus retroflexus and Chenopodium album] as a cause of perirenal edema in swine. *Iowa State Univ. Vet.* 27(3):105-108. 1965. 41.8 V6425
- 3849 CHANG, S. Y., and NIU, M. L. One case of Caesarean section of sow. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):21-22. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:14. Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3850 CHARLES, G. Anthrax in pigs. *Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu.* 29:51-52. 1965. 41.9 In73
- 3851 CHAUDHARY, R. K., FISH, N. A., and BARNUM, D. A. Experimental infection with *L. pomona* in normal and immune piglets. *Can. Vet. J.* 7(5):106-112. Ref. May 1966. 41.8 R3224
- 3852 CH'EN, C. Y. Experience on quarantine infection of hog at night. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):27. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:18. Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3853 CHENG, C. Y. Therapeutic method for a young pig's hernia. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):20. Jan.1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:10. Mar.25,1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSTI.
- 3854 DANILEVSKII, V. M. Several biochemical indices of the blood and gas metabolism in baby pigs with bronchopneumonia and treatment with antibiotics and sulfanilamides. (Rus) *Nauchn. Konferentsiya po Farmakol. Materialy* 9:139-141. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:39. Aug.1965. Film S-205
- 3855 DANILOV, M. A. Morphological changes in swine ovaries during development of the individual. (Rus) *Vses. S.-Kh. In-t. Zaochn. Obrazovaniya. Tr.* 17(1):76-84. 1964, pub.1965. Not in Libr.
Embryos; Large White breed.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:2. Aug.1965. Film S-205
- 3856 DANNENBERG, H. D., and HOERNICKE, E. Fertility disturbances of swine and early piglet losses. (Ge) *Tierzucht* 20(6):422-424. (Cont.) Aug.1966. 49 T443
- 3857 DENSMORE, F. F. Problems in swine practice. *Southwest. Vet.* 18(3):223-227. Spring 1965. 41.8 S682
Treatment of various diseases and especially nitrate toxicity.
- 3858 DITTRICH, K. Untersuchungen über die relative Genauigkeit von Methoden zur Erfassung der Schilddrüsenfunktion und deren Eignung zur Abschätzung der Mastleistung und Schlachtkörperqualität beim Schwein [Research on the relative accuracy of methods for the determination of thyroid gland function and its suitability for evaluation of the meat production and carcass quality of swine]. *Hohenheim. Landwirt. Hochsch. Diss.* 4,48 p. Mar.1964. 105.8 H686D
Bibliography, p.43-47.
- 3859 DOMAN, I. Mass occurrence of gastroenteritis among pigs. (Hu) *Magyar Allatorv. Lapja* 21(6):251-253. June 1966. 41.8 V644
English summary.
- 3860 DOMAN, I. Mass occurrence of limb disease in pigs. (Hu) *Magyar Allatorv. Lapja* 21(6):274-275. June 1966. 41.8 V644
English summary.
- 3861 DOWNEY, L. A. 330,000 dead pigs means \$4 million loss. *Dairyfarming Dig.* 13(3):35. May/June 1966. 44.8 D1443
In Australia.
- 3862 DUNAGAN, T. T., and DE LUQUE, O. Isozym patterns for lactic and malic dehydrogenases in *Macracanthorhynchus hirudinaceus* (Acanthocephala). *J. Parasitol.* 52(4):727-729. Aug.1966. 44.8 J824
Swine intestinal worm.
- 3863 DUNAGAN, T. T., and SCHEIFINGER, C. C. Studies on glycolytic enzymes from *Macracanthorhynchus hirudinaceus* (Acanthocephala). *J. Parasitol.* 52(4):730-734. Ref. Aug.1966. 44.8 J824
Swine intestinal worm.
- 3864 ERSHOW, V. S., NAUMYCHEVA, M. I., and POLETAEVA, O. G. The manifestation of allergy in the multiple infestation of baby pigs with ascariasis. (Rus) *Vses. In-t. Gel'mintol. Tr.* 11:54-58. 1964. 436.9 V96
Larvae and disease resistance.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:36. Aug.1965. Film S-205
- 3865 FERREIRA NETO, J. M., and SILVA, J. M. L. DA. Isohemolytic disease of newborn pigs. (Por) *Minas Gerais. Univ. Fed. Escol. Vet. Arg.* 16:243-253. 1964, pub.1965. 41.9 M662
English summary.
- 3866 FLORENT, A., and DOQUER, A. Swine brucellosis in Belgium. (Fr) *Office Int. Epizoot.* Bull. 63(7/8):981-992. July/Aug.1965. 41.8 Of2
English summary.
- 3867 FULLER, R. Some morphological and physiological characteristics of gram negative anaerobic bacteria isolated from the alimentary tract of the pig. *J. App. Bacteriol.* 29(2):375-379. Ref. Aug.1966. 44.8 S612
- 3868 GARRIGA, J. Should one vaccinate against swine pest? (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(7):135. July 1966. 15 Sa5
- 3869 GOGUS, A. K. A comparative study on the uptake of ¹³¹I labelled triiodothyronine by erythrocytes and resin as an *in vitro* test of thyroid function. *Ankara Univ. Fac. Agr. Yearbook* 1964:53-64. Ref. 1965. 25 An42
Tests with swine.
- 3870 GOGUS, A. K. Investigation on the influence of hypervitaminosis-A on the thyroid secretion rate in pigs. *Ankara Univ. Fac. Agr. Yearbook* 1964:1-11. Ref. 1965. 25 An42
- 3871 GOLDMAN, J. A case of suspected salt poisoning in swine. *Southwest. Vet.* 18(4):317. Summer 1965. 41.8 S682
- 3872 GOT, R., FONT, J., and GOUSSAULT, Y. Fractionation of porcine macroglobulins. *Nature [London]* 211(5047):415-416. July 23, 1966. 472 N21
- 3873 GROETZINGER, K. Untersuchung über Verluste in Schweinemastbeständen Süddeutschlands. [Investigation on losses in swine fattening herds of Süddeutschland]. *Hanover. Tierarztl. Hochschule. Inaug.-Diss.* 21,29 p. Ref. 1965. 41.2 H198
Mortality causes.
- 3874 GUALDESI, G. Practical observations on caesarean section of the sow. (It) *Clin. Vet.* 89(5):145-149. May 1966. 41.8 C61

- 3875 HARDEN, F. J. Gastric ulcers in swine. *Hog Prod.* 2(3):12-13. Apr. 1966. 46.8 H675
- 3876 HARRINGTON, W. F., and KARR, G. M. Sub-unit structure of glyceraldehyde-3-phosphate dehydrogenase. *J. Mol. Biol.* 13(3):865-893. Ref. Oct. 1965. 442.8 J8224
From pig and rabbit muscle.
- 3877 HARRIS, J. L., and PERHAM, R. N. Glyceraldehyde-3-phosphate dehydrogenases. I. The protein chains in glyceraldehyde-3-phosphate dehydrogenase from pig muscle. *J. Mol. Biol.* 13(3):876-884. Ref. Oct. 1965. 442.8 J8224
- 3878 HIPOLITO, O. Aujeszky's disease in swine. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arq. 16:97-103. Ref. 1964, pub. 1965. 41.9 M662
English summary.
- 3879 HOLOTA, YA. A., and others. Microscopic and cultural investigation in leptospirosis of swine. (Uk) *Mikrobiol. Zhur.* 27(4):42-45. 1965. 448.3 K54
A. F. Karysheva, K. P. Chepurov, and O. H. Prus, joint authors.
English summary.
- 3880 HORSCH, F. Leptospirosis infection in swine. (Ge) *Monatsh. Veterinarmed.* 21(12):469-474. Ref. June 15, 1966. 41.8 M742
English summary.
- 3881 JACOBSEN, K. A. Intestinal parasites of swine. (Da) *Landbonyt* 20(5):166-169, 173. May 1966. 11 L2322
- 3882 JANC, M. A contribution to the study of the salmonellosis of swine. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(3):56-57. Feb. 24, 1966. 21.5 S014
Excerpt from thesis.
- 3883 JARVIS, R. E., and MACASKILL, D. W. G. Scours: the problems of preventing and curing this disease. *Hog Prod.* 1(8):5-8. Dec. 1965. 46.8 H675
- 3884 JUNY, M., SMOLINSKA, T., and UTZIG, J. The influence of soothing drugs upon bacon pigs held before slaughter. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 12:201-211. Ref. 1964, pub. 1965. 49.9 B75
English summary.
- 3885 KHARCHENKO, E. D. Growth and structural features of reproductive organs of swine in relation to age and type of feeding. (Rus) *Kursk. S.-Kh. In-t. Tr.* 2:266-270. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:2. Aug. 1965. Film S-205
- 3886 KHARCHENKO, E. D., and MEZHEVSKI, YU. S. Sinoventricular system of the swine heart. (Rus) *Kursk. S.-Kh. In-t. Nauchn. Tr.* 2:272-275. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:1. Aug. 1965. Film S-205
- 3887 KNOBLOCH, I. VON. Histologische Untersuchungen der Schilddrüse des Schweines im Kreise Villingen/Schwarzwald; 41. Beitrag zur geographischen Pathologie der Schilddrüse [Histological investigations of the thyroid gland of swine the Villingen/Black Forest district. 41. Contribution to geographic pathology of the thyroid gland]. Hanover, Tierarztl. Hochschule. Inaug.-Diss. 28, 18 p. Ref. 1965. 41.2 H198
- 3888 KOVALENKO, Y. R., SIDOROV, M. A., and BURBA, L. G. Biological properties of African swine fever virus. 11 p. Ref. *Transl.* 15763
Translation from *Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk. Doklady* 1:35-40. 1964.
- 3889 LANNEK, N. Muscular dystrophy and selenium. (Sw) *Svinskotsel* 56(2):49-50. 1966. 46.9 Sv2
Swine.
- 3890 LAWSON, K. F., and others. Vaccination of swine with erysipelas vaccine (live culture modified) by the oral route. *Can. Vet. J.* 7(1):13-17. Jan. 1966. 41.8 R3224
F. Pepeynak, V. C. R. Walker, and J. F. Crawley, joint authors.
- 3891 LEEDHAM, S. G. Brood sow problems during gestation and nursing. *Can. Vet. J.* 6(12):306-309. Dec. 1965. 41.8 R3224
Chiefly contagious agalactia.
- 3892 LOGGER, J. C. L., BAARS, J. C., and MOUWEN, J. M. V. M. Aleukemic lymphoid leukaemia in a pig. (Du) *Tijdschr. Diergeneesk.* 91 (13):842-853. Ref. July 1, 1966. 41.8 T431
English summary.
- 3893 LU, S. C. Hog venotomy for treating hog disease in the countryside. (Ch) *Chung-kuo Shou I Tsa Chih* 4(1):15-17. Jan. 1966. 41.8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 59:56. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241.7 Un34C
Issued by CFSST.
- 3894 MADSEN, A., MORTENSEN, H. P., and LAURSEN, B. Glycine. I. Experiments with slaughter swine. (Da) *Denmark. Landokon. Forsogslab. Arb.* 1965 (fall meeting):48-52. 49.9 D41
Effects on growth.
- 3895 MAIBORODA, O. A. Opsonophagocytic reaction in swine with brucellosis. (Uk) *Veterynariya* 2:37-41. 1964. Not in Libr.
Vaccines and immunization.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, *Zhivotnovod. Vet.* 15:34. Aug. 1965. Film S-205
- 3896 MAJERSIAK, P. Comparison of the swine backfat thickness determined by a leanmeter and by a ruler with the actual value as a basis for breeding. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotechn. Inform. Zivocisna Vyroba* 39(6):415-420. June 1966. 49.9 C33
English summary.
- 3897 MANSSON, I. The intestinal flora of pigs. VIII. The effect of a sterilized ration on the intestinal Clostridium perfringens. *Acta Agr. Scand.* 16(1):15-17. 1966. 11 Ac82
- 3898 MATOUSEK, J., and SCHROFFEL, J. Blood group substances A, Na and serum polymorphic characters in the ovarian follicle fluid of sows. *Immunogen. Lett.* 4(4):182-185. Ref. July 1966. 443.8 Im6
- 3899 MCGILL, D. A. Our hog cholera status. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:149-150. 1965. 49.9 W27
- 3900 MOORE, R. W., REDMOND, H. E., and LIVINGSTON, C. W. Mycoplasmosis (PPLO) of swine. *Southwest. Vet.* 19(1):19-21. Fall 1966. 41.8 So82
- 3901 MOORE, R. W., REDMOND, H. E., and LIVINGSTON, C. W. A new cultural medium for mycoplasmas. *Southwest. Vet.* 19(2):105-106. Winter 1966. 41.8 So82
Chiefly for *Mycoplasma hyoarthrinosa*, causing arthritis in swine.
- 3902 NEGRU, D. Observations on the parasites of swine. (Rum) *Rev. Zootech. Med. Vet.* 16(3):65-70. Mar. 1966. 49 P943
English summary.
Intestinal worms.
- 3903 NIELSEN, H. E., and TERKELSEN, P. J. Influence of birth weight on various characteristics. (Da) *Denmark. Landokon. Forsogslab. Arb.* 1965 (fall meeting):18-20. 49.9 D41
Baby pigs.
- 3904 NIKOLIC, B., and others. A contribution to the study of the influence of different housing conditions upon fattening pigs. 3. Effect of microclimate on intensification of pneumonic processes. (Se) *Veterinaria (Sarajevo)* 14(4):497-501. Ref. 1965. 41.8 V6394
B. Jaksic, N. Sijacki, Z. Stojanovic, M. Vapa, and B. Tarasenko, joint authors.
English summary.
- 3905 OKANIWA, A., and others. Electron microscopy of swine transmissible gastroenteritis (TGE) virus in tissue culture cells. *Tokyo. Nat. Inst. Anim. Health. Quart.* 6(2):119-120. Summer 1966. 41.9 T575Q
M. Maeda, K. Harada, and T. Kaji, joint authors.
- 3906 ORLOW, E. S. Studies on pathogenesis, diagnosis and specific prophylaxis of swine brucellosis. *Office Int. Epizoot. Publ.* 63(7/8):993-1003. July/Aug. 1965. 41.8 Or2
In USSR.

- 3907 OZERSKAYA, V. N. In vitro testing of the effect of anthelmintics on the pathogen of *Macracanthorhynchus* infestation of swine. (Rus) Vses. In-t. Gel'mintol. Tr. 11:228-232. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:36. Aug. 1965. Film S-205
- 3908 OVSYANOV, N. I., and SUBBOTIN, V. M. Search for effective doses and systems of applying antibiotics in animal industry. 1. The effect of doses and systems for giving drugs of the tetracycline type on the effectiveness of use in swine-raising. (Rus) Sibirsk. Nauch.-Issled. Vet. Inst. Sb. Nauch. Rabot. 12:239-244. 1964. 41.9 Om7
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:7. July 1965. Film S-205
- 3909 PALMER, N. C., and HULLAND, T. J. Factors predisposing to the development of coliform gastroenteritis in weaned pigs. Can. Vet. J. 6 (12):310-316. Ref. D. 1965. 41.8 R3224
Caused by *Escherichia coli*
- 3910 PEKAS, J. C. Zinc 65 metabolism: gastrointestinal secretion by the pig. Amer. J. Physiol. 211(2):407-413. Ref. Aug. 1966. 447.8 Am3
- 3911 PONOMAR'OVA, M. I. Effect of antibiotics on cocci that are mastitis agents in sows. (Uk) Mikrobiol. Zhur. 27(3):59-64. Ref. 1965. 448.3 K54
English summary.
- 3912 POZNANSKI, W. Investigations on the efficiency of some ways of preventing anaemia in pigs. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootech. 13:129-141. 1964, pub. 1965. 49.9 B75
English summary.
- 3913 REDMOND, H. E., and MOORE, R. W. Biologic effect of introducing *Lactobacillus acidophilus* into a large swine herd experiencing enteritis. Southwest. Vet. 18(4):287-288. Summer 1965. 41.8 So82
- 3914 RICO LENZA, J. Incidence of gastric ulcers in pigs and their possible relation to feeding. (Sp) Spain. Patronato Biol. Anim. Rev. 10(1): 7-18. Ref. Apr. 1966. 49.9 Sp16
English summary.
- 3915 RUSSELL, J. V. Anthrax—a case history. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:53. 1965. 41.9 In73
In swine.
- 3916 SANCHEZ BOTLIA, C. Differential diagnosis between classic hog cholera and African hog cholera. (Sp) Madrid. Inst. Invest. Vet. An. 14/15:111-128. Ref. 1964-65. 41.9 M262
English summary.
- 3917 SAOUD, M. F. A. Susceptibility of pigs to infection with *Schistosoma haematobium* from Egypt. Nature [London] 211(5046):305-306. Ref. July 16, 1966. 472 N21
- 3918 SCHMIDT FUNES, E. Hog cholera; state of resistance by interferon. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):37-40, 42-44. Ref. Jan./Feb. 1966. 41.8 B86
- 3919 SCHROFFEL, J. New genetic variants of transferrins and haptoglobins in pigs. Nature [London] 210(5042):1274-1275. Ref. June 18, 1966. 472 N21
- 3920 SELLERS, K. C. Pigs and sheep. Vet. Rec. 78 (26):914-915. June 25, 1966. 41.8 V641
Diseases caused by feeding in Great Britain.
- 3921 SHEVCHENKO, N. KH. Method for early diagnosis of atrophic rhinitis in swine. (Rus) Uzbekskii Nauch.-Issled. Inst. Veterinari 16:65-67. 1964. 41.9 Uz12T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:41. Aug. 1965. Film S-205
- 3922 SIMONYI, E., and BIRO, J. Experiments to immunize pigs against swine fever with Oregon C24 calf diarrhoea virus strain. (Hu) Magyar Allatorv. Lapja 21(7):312-313. Ref. July 1966. 41.8 V644
English summary.
- 3923 SORVACHEV, E. V. Interference of hog cholera virus with other viruses in the culture of tissue. I. Spectrum of interference. 11 p. Ref. Transl. 14901
Translation from Veterinariya 11:16-21. Nov. 1964.
- 3924 SPEAR, M. L. SPF [Specific-pathogen-free] swine production—a graduate program. Southwest. Vet. 19(2):101-103. Winter 1966. 41.8 So82
- 3925 SYTDYKOV, A. K., KIL'DISHEVA-STOLYA-ROVA, V. S., and ABDULLAEV, U. A. Etiological studies on the virus of atrophic rhinitis of swine. 1. Manifestation of the filterable virus in connection with atrophic rhinitis of swine. (Rus) Uzbekskii Nauch.-Issled. Inst. Veterinari 16:44-47. 1964. 41.9 Uz12T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:41. Aug. 1965. Film S-205
- 3926 TANNER, S. C. Pneumonia in market hogs. III. Hog Prod. 2(6):11-12. July 1966. 46.8 H675
With special reference to infectious virus pig pneumonia, its cause and prevention, in Canada.
- 3927 THORBEK, G. Investigations of calcium and phosphorus metabolism of growing swine (20-90 kg.). Experiment B. C and D. 1964-65. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):269-274. 49.9 D41
- 3928 THORBEK, G. Measurement of energy metabolism and evaluation of the individual variation of fattening swine. Experiment B. 1964. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):265-267. 1965 (fall meeting): 265-267. 49.9 D41
- 3929 TSUNODA, K., and others. Isolation of toxoplasma from experimental pigs medicated with sulfamonomethoxine. Tokyo. Nat. Inst. Anim. Health. Quart. 6(2):83-88. Summer 1966. 41.9 T575Q
K. Suzuki, S. Ito, and Y. Tsutsumi, joint authors. Japan.
- 3930 UENO, H., and others. Spontaneous liberation of infective larvae from the earthworm, *Eisenia foetida*, infected with *Metastrongylus apri*. Tokyo. Nat. Inst. Anim. Health. Quart. 6(2):89-100. Summer 1966. 41.9 T575Q
B. de Lee, S. Watanabe, and J. Fujita, joint authors.
In the transmission of lungworms in swine.
- 3931 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. National listing of Validated Brucellosis-Free Herds. U. S. Agr. Res. Res. Serv. ARS 91-43-3, 76 p., map. July 1966. A41.9 R315Ar
Swine.
- 3932 VU-DINH-CHINH, VU-THIEN-THAI, and HARA, T. Sero-vaccination against hog cholera; information drawn from the determination of leucopenia and the amount of gammaglobulins. (Fr) Office Int. Epizoot. Bull. 64(1):397-405. 1965. 41.8 Of2
English summary.
- 3933 WINDELS, H. F., MEADE, R. J., and DAMMANN, M. Injectable iron as a preventative for nutritional anemia in the young pig. Minn. Agr. Exp. Sta. Bull. 250, 24 p. Ref. Aug. 1966. 100 M66
- 3934 YOUNG, G. A. Pathogen-free animals as experimental hosts. U. S. Agr. Res. Serv. ARS-45-5:12-22. Ref. May 1966. A41.9 R315A
Chiefly swine.

Miscellaneous

- 3935 BARBOSA, A. S., and CAMPOS, E. J. The evaluation of backfat thickness in living swine using steel ruler. (Por) Minas Gerais. Univ. Fed. Escol. Vet. Arg. 16:197-205. Ref. 1964, pub. 1965. 41.9 M662
English summary.

- 3936 CAMPOS, E. J., and BARBOSA, A. S. The hog lean meter as a method of backfat evaluation in living swine. (Por) Minas Gerais, Univ. Fed. Escol. Vet. Arq. 16:207-214. 1964, pub. 1965. 41.9 M662
English summary.
- 3937 DAGNINO, V. Remedy against the tail biting of swine. (It) Inform. Zootec. 13(3):87-90. Feb. 15, 1966. 49 In3
- 3938 DENMARK. LANDØKONOMISK FORSOGS-LABORATORIUM. 53. beretning om sammenlignende forsøg med svin fra statsanerkendte aviscentre [53d report on comparative testing of pigs from government approved breeding centers], 1963-64, by H. Clausen, R. N. Thomsen, and O. K. Pedersen. Denmark. Statens Husdyrbrugsudvalg Forsøgslab. Beretn. 351.150 p. 1965. 104 D41
English summary.
- 3939 ERDELYI, J. Modern electric pig-stunning technology. (Hu) Husipar 15(3):107-111. May/June 1966. 50.8 H95
English summary.
- 3940 GARNER, J. M. Swine progress by data and eye evaluation. Southern Ill. Univ. Sch. Agr. Anim. Indus. Publ. 8:19-25. 1966. 49.9 So812
- 3941 HEIDENREICH, C. J. Pigs to pork, management: environmental influences on swine production—principles. Purdue U. Ind. Agr. Ext. Mimeo AS-325, 7 p. Jan. 1965. 49.9 In23
- 3942 HOLLANDBECK, R. Pigs to pork, sanitation: swine sanitation. Purdue U. Ind. Agr. Ext. Mimeo AS-324, 7 p. Feb. 1965. 49.9 In23
- 3943 JENSEN, A. H. The importance of management in confinement swine production. Ill. Res. 8(3): 3-4. Summer 1966. 100 IL64
- 3944 KING, G. T. Selecting and producing meat-type hogs through on-foot carcass evaluation. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:101-106. 1965. 49.9 W27
- 3945 KOTLINSKI, J., POZNANSKA, W., and POZNANSKI, W. Actual situation in sucking piglet-rearing in state agricultural farms in the Wrocław voivodship. (Pol) Wrocław. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootec. 12:87-94. 1964, pub. 1965. 49.9 B75
English summary.
Losses.
- 3946 KOTLINSKI, J., POZNANSKI, W., and SKRZETUSKI, L. Different methods of piglet rearing on a large-production pig farm. (Pol) Wrocław. Wyzsza Szkoła Roln. Zeszyty Nauk. Zootec. 12:95-106. 1964, pub. 1965. 49.9 B75
English summary.
- 3947 KRIEGER, H., and ROST, D. Some conclusions from investigations in swine fattening stations in the Halle district for work increasing production. (Ge) Tierzucht 20(8):419-422. Aug. 1966. 49 T443
- 3948 LINGUENHELD, R. Swine herd structures in 1965. (Fr) Rev. Elevage 21(8/9):65-66, 69-70, 73, 75, 77-78. Aug./Sept. 1966. 49 B462
- 3949 MOBIUS, G., and KOMPA, M. Investigations on the application proportional fat content, area quotients and the fat layer on the dorsal piece as overall measure for the carcass composition. (Ge) Arch. Tierzucht 9(3):261-267. 1966. 49 Ar23
English summary.
Swine.
- 3950 NORTHERN IRELAND. PIG PRODUCTION DEVELOPMENT COMMITTEE. Second annual report, year ended March 1966. Belfast, 1966. 16 p. 46.9 N812
- 3951 OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Swine research. Ohio. Agr. Res. Develop. Center, Res. Sum. 13, 24 p., map. July 1966. 100 Oh3Rs
- 3952 PILLAR, L. Tasks and possibilities in swine raising. (Hu) Magyar Mezogazdasag 21(26): 18-19. June 29, 1966. 19 M27
Meat production and feeding, chiefly.
- 3953 RIECK, R. E., and others. Tooling up for swine production. Wis. Univ. Ext. Spec. Circ. 120.30 p. May 1966. 275.29 W75S
W. E. Saupe, R. G. Johnson, F. J. Giesler, R. H. Vilstrup, T. J. Brevik, C. L. Barth, R. E. Hall, and Q. E. Kolb, joint authors.
- 3954 SAVICH, I. A. Svinovodstvo [Swine husbandry]. Ed. 2, rev. Moskva, Kolos, 1966. 359 p. (Uchebniki i Uchebnye Posobiya Sel'skokhozyaistvennykh Tekhnikumov) SF396.U452
- 3955 SIMPSON, J. Success follows the Quality Swine group. Hog Prod. 2(6):8-9. July 1966. 46.8 H675
Activities of the Quality Swine of Western Ontario.
- 3956 SOUTHERN ILLINOIS UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF ANIMAL INDUSTRIES. Proceedings of annual swine day, February 11, 1966. Carbondale, 1966. 25 p. 49.9 So812
Division of University Extension, cooperating.
- 3957 SWEDEN. SVINSTAMKONTROLLEN. Svinstamkontrollen jamte suggkontrollen [Results of the pig progeny testing], 1964/65, v. 43. Sweden. Lantbruksstyrelsen. Medd. Ser. B, Landbruksavd. 65, 154 p. 1966. 11 Sw3Me
English summary.
- 3958 SZYFELBEJN, E., KARAS, J., and ROKICKI, E. Zoohygienic estimate of runs in raising pigs on range after ten years of use. (Pol) Roczn. Nauk Roln. 87-B-4:555-560. 1966. 20.5 R59
English summary.
Analysis of the soil of open pig yards.
- 3959 VASILIU, D., GOSPODARU, M., and MATEICIUC, I. Swine husbandry on the state farms of the Suceava region. (Rum) Rev. Gosp. Agr. Stat 18(7):19-20, 22. July 1966. 21 R32
- 3960 VINCZE, L. Better raw material supply for winter salami manufacture. (Hu) Magyar Mezogazdasag 21(35):15-16. Aug. 31, 1966. 19 M27
By proper swine rearing methods.

ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 3961 ABBEY, D. R. The engineer abroad. (Condensed) Agr. Eng. 47(9):475. Sept. 1966. 58.8 Ag83
Helpful advice offered to engineers serving in a country whose language is different from his own in respect to engineering methods.
- 3962 BEWER, E. Historical development of the Institute for Agricultural Engineering in the Agricultural College of Stuttgart-Hohenheim [Institut für Landtechnik der landwirtschaftlichen Hochschule]. (Ge) Landtech. Forsch. 16(3): 75-77. Ref. 1966. 58.8 L2332
- 3963 DIFFIDENTI, G. A review of safety. (It) Trattorista 12(12):270-274. June 30, 1966. 58.8 T69
Causes of accidents.
- 3964 DORN, F. Fire protection concerns everybody. (Ge) Tierzucht 20(8):408-409. Aug. 1966. 49 T443
- 3965 FRANCE. CENTRE D'ETUDES ET D'EXPERIMENTATION DU MACHINISME AGRICOLE TROPICAL. Training with the view of developing agricultural mechanization in Mali. (Fr) Mach. Agr. Trop. 14:39-47. Apr./June 1966. 58.8 M186
English summary.
- 3966 FRENCH, C. O. C. Agricultural engineering, today and tomorrow. Impl. Tractor 81(14):26-27. June 21, 1966. 58.8 W41
Philosophy of the American Society of Agricultural Engineers.
- 3967 GEUS, P. A. DE. Fire through short circuit. (Du) Landbouwmachinist 17(9):1003-1010. Sept. 1966. 58.8 L2352
In farm service buildings.
- 3968 GOSTELI, E. Accident prevention in agriculture. (Ge) Grune 94(36):1298-1301. Sept. 9, 1966. 17 Sch9
Switzerland.
- 3969 GOTZE, W. Fire dangers of incubators and chicken raising batteries. (Ge) Deut. Agrartechn. 16(8):384. Aug. 1966. 58.8 D482
- 3970 HADLEY, N. S., and others. Management hints for tornado victims. Purdue Univ. Ind. Agr. Ext. Mimeo EC-299, 8 p. Apr. 1965. 100 In2Ag
P. R. Robbins, B. F. Jones, R. N. Weigle, R. H. Bauman, and C. A. Sargent, joint authors.
- 3971 HEDREN, A. Fire extinguishers in service buildings. (Sw) Svinokolsk 56(5):161-162. 1966. 46.9 Sv2
- 3972 HENDERSON, S. M. Agricultural engineering: supply vs. demand. Agr. Eng. 47(8):432-433. Aug. 1966. 58.8 Ag83
- 3973 KAMSHILOV, D. Protection of livestock barns against lightning. (Rus) Tekh. Sel'skom Khoz. 8:46-48. Aug. 1966. 58.8 M11
- 3974 MORGAN, J. P. The re-organization of farm layout; an example from North Pembrokeshire. Great Brit. Min. Agr. Fish. Food. Agr. 73(7): 319-321. July 1966. 10 G79J
- 3975 MOSER, E. The new institute for Agricultural Engineering in the Agricultural College of Stuttgart-Hohenheim [Institut für Landtechnik der landwirtschaftlichen Hochschule]. (Ge) Landtech. Forsch. 16(3):77-79. 1966. 58.8 L2332
- 3976 RUEB, H. P. Accident prevention, a task of our time. (Ge) Grune 94(36):1287-1293. Sept. 9, 1966. 17 Sch9
Switzerland.
- 3977 WILSON, H. A., MILLER, T., and THOMAS, R. Some microbiological, chemical, and physical investigations of farm ponds. W. Va. Agr. Exp. Sta. Bull. 522T, 17 p. Ref. Apr. 1966. 100 W52

FARM MACHINES AND EQUIPMENT

- 3978 ALCOCK, J. C. Trends in horticultural field machinery. Farm Gard. Contract. 5(7):6-7, 9. July 1966. 58.8 F227
- 3979 ANIFEROV, F. E., and IVTODII, L. A. Mashiny i orudiya dlya vozdeleyvaniya ovoshchnykh kul'tur [Machinery and implements for cultivation of vegetables]. Leningrad, Kolos, 1966. 215 p. S675.A5
- 3980 ARNANZ DELGADO, R. On mechanization. (Sp) Agricultura [Madrid] 409:260-261. May 1966. 15 Ag84
- 3981 BORNEEMANN, H. From the practice of machine rings; exemplary farm assistance service. (Ge) DLZ-Landtech. Z. 17(8):539-540. Aug. 1966. 58.8 T677
- 3982 BURGER, A. A. Rope and its uses. N. Dak. State Univ. Ext. Circ. A-489, 13 p. Mar. 1966. 275.29 N812Sa
- 3983 CAMERON, W. D. Greatly increased loads eyed for crankshaft bearings. Soc. Auto. Eng. SAE J. 74(9):71-72. Sept. 1966. 291.9 S01
Agricultural equipment included.
- 3984 CARDINALI, M. The history of mechanization in an interesting review. (It) Trattorista 12 (14):313-316. July 31, 1966. 58.8 T69
- 3985 COCCCHI, L. To mechanize: why? (It) Trattorista 12(14):311-312. July 31, 1966. 58.8 T69
- 3986 CONNOR, L. J., and HATCH, R. E. Estimated farm machinery costs in northwest Oklahoma. Okla. Curr. Farm Econ. 39(3):54-60. Sept. 1966. 100 Ok4
- 3987 DALLARI, F. A. Agricultural mechanization in the Province of La Spezia and its necessary development. (It) Agr. Spezia 14(9/10):158-167. Sept./Oct. 1966. 16 Ag8229
- 3988 DAVIS, L. W. Upgrading of plants and animals will dictate farm equipment changes. Soc. Auto. Eng. SAE J. 74(9):47-49. Sept. 1966. 291.9 S01
- 3989 DIEMEL, H. DLG-certified equipments for fruit, grape and garden culture. (Ge) Landmasch.-Markt 45(16):1038. Aug. 3, 1966. 58.8 L239
- 3990 DIFFIDENTI, G. A. Machines for the slope. (It) Mach. Motori Agr. 24(7):101-104. July 1966. 58.8 M13
- 3991 DOBERT, H. Disorder with the help of technique. (Ge) DLZ-Landtech. Z. 17(8):512-513. 524. Aug. 1966. 58.8 T677
Possible dangers of mechanization.
- 3992 DOHNE, E. Loading trailers on trial. (Ge) Landtechnik 21(14):512-514. June 15, 1966. 58.8 L235
- 3993 DOORNINCK, A. VAN, PERRENS, S. J., and O'DOWD, T. Co-operative mechanisation in Kenya. Farm Impl. Mach. Rev. 92(1097):1034-1035. Sept. 1966. Sept. 1, 1966. 58.8 Im72
Cooperative societies.
- 3994 DORNER, B. Relation between use of equipment and amortization. (Hu) Magyar Mezőgazdaság 21(26):8-9. June 29, 1966. 19 M27
- 3995 DRAGOS, T. New machinery for Rumanian agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 473:6-8. Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663Stc
Translation from Sinteia 35(7034):3. July 8, 1966.
Issued by CFSTI.
- 3996 EBERHARDT, M. Technological tests of the new sugar beet growing machine system in socialistic agriculture in 1965. (Ge) Deut. Agrartechn. 16(8):360-363. Aug. 1966. 58.8 D482
- 3997 EIMER, M. A mechano-electrical evaluation equipment for a two-parametric classifications of load records. (Ge) Landtech. Forsch. 16 (4):139-144. Ref. 1966. 58.8 L2332
English summary.
- 3998 EVERS, P. N. Machines and equipment for sugar beet culture. (Ge) Landtechnik 21(14): 516-520. June 15, 1966. 58.8 L235

- 3999 FANKHAUSER, F. Horticultural production technique of pomaceous and stone fruit in Israel, III. (Ge) Schweiz. Obst- Weinbau 102 (15):404-413, July 23, 1966, 80 Sch9
Chiefly mechanization.
- 1000 FELDMANN, F. Agricultural machine in farm operation. (Ge) DLZ—Landtech. Z. 17(9):562-564, Sept. 1966, 58.8 T677
Cost and return aspects of mechanization.
- 4001 FISCHER, H. G. Farmers with agricultural equipment struggle for a scientific start. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:251-257, 1966, 280.29 D482
Mechanization policy.
- 4002 FOGARTY, B. Used equipment wholesaling: bigger than ever. Impl. Tractor 81(22):18-21, Oct. 21, 1966, 58.8 W41
- 4003 FRANZ, G. Model collection in Hohenheim. (Ge) Landtech. Forsch. 16(3):71-72, 74, Ref. 1966, 58.8 L2332
In the Landwirtschaftliche Hochschule.
- 4004 GALLARATE, G. Possibility and consequences of complete mechanization of sugar beet culture as shown in the trials sponsored by C.I.B.E. [International Confederation of European Beet Growers] in 1965. (It) Indus. Sac. Ital. 59(1/2):1-15, Jan./Feb. 1966, 65.8 In23
English summary.
- 4005 GALLARATE, G. Recent technical progress in sugar beet culture. (It) Indus. Sac. Ital. 58(5/6):146-159, Ref. May/June 1965, 65.8 In23
English summary.
Mechanization.
- 4006 GERDES, G. Status and immediate aims of mechanized sugar beet production with machine system made in the German Democratic Republic. (Ge) Deut. Agrartechn. 16(8):343-345, Aug. 1966, 58.8 D482
- 4007 GORNER, L. The income is the measuring stick for success: costs of mechanization. (Ge) Tech. Landwirt. 18(7):212-213, July 15, 1966, 58.8 T223
- 4008 GRYAZNOI, F. D. From the experience on complete electrification and mechanization of poultry houses for 10-20 thousand laying hens kept on the range. (Rus) Zhivotnovodstvo 7:23-27, July 1966, 49 Z6
- 4009 HAASE, H. Simplified potato handling and storage. (Ge) Landmasch.-Markt 45(17):1076, 1078-1079, Aug. 17, 1966, 58.8 L239
- 4010 HAMPSON, R. J. Plow, plant, fertilize, and spray a one-pass operation on tomorrow's farm. Soc. Auto. Eng. SAE J. 74(9):49-50, Sept. 1966, 291.9 S01
Future equipment design.
- 4011 HEFFERNAN, B. E. Mechanical loaders gain favor with turkeys. Poultry Meat 3(8):A-18-A-21, Aug. 1966, 47.8 P8656
- 4012 HUTSCHENREUTHER, G. The mechanization of large-scale installations in Yugoslavia. (Ge) Deut. Agrartechn. 16(8):376-378, Aug. 1966, 58.8 D482
Chiefly livestock.
- 4013 JERRY, R. L. Efficiency is never cheap. Can. Farm Equip. Dealer 62(8):31, 34, Aug. 1966, 58.8 C163
Prices.
- 4014 ISANCHURIN, R. A. Mekhanizatsiya trudoemkikh protsessov v ovtsevodstve za rubezhom [Mechanization of sheep raising in the foreign countries]. Moskva, Kolos, 1965, 173 p. Ref. S719.18
- 4015 IVANOV, V. Need for reorganization of agricultural machine-building in north Caucasus. 4 p. (JPRS 31,263; TT 65-31760) Transl. 15359
Translation from Pravda, June 23, 1965:2. CFTI: \$1.00.
- 4016 KABYSH, S. Mechanization of agriculture in the USSR. Munich, Inst. Stud. USSR. Bull. 13 (8):28-32, Ref. Aug. 1966, 280.9 M922B
- 4017 KAMINSKI, T. L., and PERSSON, S. Distribution of a viscous liquid by a rotating disk. Amer. Soc. Agr. Eng. Pap. 642, 21 p. 1965, 290.9 Am32P
- 4018 KHOZINA, P. Mechanization of loading and transportation of grain on threshing floor. (Rus) Tekh. Sel'skom Khoz. 8:9-10, Aug. 1966, 58.8 M11
- 4019 KINNEY, R. V. Tomorrow's specialized farm demands specialized equipment. Soc. Auto. Eng. SAE J. 74(9):54-56, Sept. 1966, 291.9 S01
- 4020 KOHN, M. Instead of diversity more or less. (Ge) DLZ—Landtech. Z. 17(9):560-561, Sept. 1966, 58.8 T677
Mechanization and farm management.
- 4021 KOYA, S., MORI, M., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. IV. Some problems in applying large-sized farm machinery in paddy field. 3 p. Transl. 16185
Translation from Kyushu Agricultural Research, No. 27, July 1965.
- 4022 KRUSKEN, E. Entwicklung und Wirtschaftlichkeit des Einsatzes von Landmaschinen durch Lohnunternehmer in Nordrhein [Development and economics of the use of agricultural equipment by contract labor in North Rhine]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 14, 192 p. Ref., p. 172-174, 1964, 105.8 B644
- 4023 LABROUSSE, G., and GODRON, E. Mecanisation de la culture de l'arachide, notamment dans les pays francophones d'Afrique tropicale et a Madagascar [Mechanization of peanut culture, especially in the French-speaking countries of tropical Africa and in Madagascar]. Mach. Agr. Trop. 1965(spec.no.11bis), 109 p., map. Ref. 58.8 M136
Table of contents also in English.
- 4024 LAFLIN, T. Mechanization of vegetable production. Great Brit. Min. Agr. Fish. Food, Agr. 73(8):357-360, Aug. 1966, 10 G79J
- 4025 LANGE, J. M. Depreciation methods. (Du) Landbouwmecanisiatie 17(9):937-941, Sept. 1966, 58.8 L2352
Equipment.
- 4026 MACHADO, M. M. Sugar beets: mechanization. Ariz. Univ. Ext. Folder 115, 8 p.-folder, Jan. 1966, 275.29 Ar42Ext
- 4027 MARINC, V. Mechanized culture of potatoes. (Sl) Soc. Kmetijstvo Gozdarstvo 17(4):76-77, Mar. 14, 1966, 21.5 S04
- 4028 MARINESCU, G., NICULESCU, I., and ALEXANDRESCU, I. Statistical indicators of the mechanization and electrification of agriculture. (Rum) Rev. Statist. 15(5):17-26, May 1966, 267.8 S22
- 4029 MENDEZ PARAMO, F. The agricultural equipment manufacturing industry. (Sp) Panagra 5 (66):38-41, Apr. 1966, 8 P196
Mexico.
- 4030 MILLER, R. J. Reliability and efficiency increases to highlight future FCIM [Farm, Construction, and Industrial Machinery]. Soc. Auto. Eng. SAE J. 74(9):57-58, Sept. 1966, 291.9 S01
- 4031 MITTELBAUGH, B. Surface-endurance tests with plastics and the suitability of plastic-coated screws for conveying fertilizers. (Ge) Landtech. Forsch. 16(4):132-133, 1966, 58.8 L2332
English summary.
- 4032 MOLINARI, O. Equipment selection essential element for the farm economy and the prevention of accidents. (It) Agr. Italia 12(6):69-72, 74-77, June 1966, 16 Ag8232
- 4033 MORGAN, K. E. Automation in agriculture. Outlook Agr. 4(6):295-301, Ref. 1965, 10 Ou8
- 4034 MURAWSKI, H. Maintenance of electrical equipment in the socialist agriculture. (Ge) Deut. Agrartechn. 16(9):431-433, Sept. 1966, 58.8 D482
- 4035 NIELSEN, S. H. Trends in agricultural production. (Da) Landbonyt 20(3):108-112, Mar. 1966, 11 L2322
Chiefly mechanization and construction of buildings.
- 4036 O'CALLAGHAN, F. E. Safety—a major design factor in coming FCIM [Farm, Construction, and Industrial Machinery]. Soc. Auto. Eng. SAE J. 74(9):58-62, Sept. 1966, 291.9 S01
- 4037 OSTROVSKI, N., TSENOV, T., and DUKOVSKI, M. Selskostopanski mashini; uchebnik po mekhanizatsiya na selskoto stopanstvo [Agricultural machinery; a handbook for farm mechanization]. Ed. 2. Sofiya, Zemizdat, 1965, 477 p. S675.06

- 4039 PALAMARTCHOUK, G. D. Mechanization of different agrotechnical procedures for grapes; Soviet report. (Fr) Office Int. Vigne Vin. Bull. 39(424):674-682. June 1966. 390.8 B87
Presented at the 10th International Congress of Grapes and Wine, Tbilisi, 1962.
- 4039 PRINCE, R. P., and BARTOK, J. W. A recording air-flow planimeter. Agr. Eng. 47(9):487, Sept. 1966. 58.8 Ag83
Stalk area measurement in experiments on the physical properties of corn.
- 4040 PUCKETT, H. B., and KLUETTER, H. H. Pneumatic conveyor for distributing farm feed. U. S. D. A. Prod. Res. Rep. 92, 14 p. Aug. 1966. A281.9 Ag8
Illinois Agricultural Experiment Station, co-operating.
- 4041 RADOVANOVIC, B. The individual farms and its mechanization. (Se) Ekon. Poljoprivrede 13(6):425-431. June 1966. 281.8 Ek72
- 4042 RIFE, G. Alberta's farm implement act to aid farmers. Can. Farm Equip. Dealer 62(9):36, 38. Sept. 1966. 58.8 C163
- 4043 ROSSING, W. Noise, measurement and hindrance. (Du) Landbouwmeechanisatie 17(9): 951-956. Sept. 1966. 58.8 L2352
English summary.
With reference to mechanized agriculture.
- 4044 RUNKI, P., and BORNCHEN, H. Plastics in agricultural machine and tractor building. 2. (Ge) Deut. Agrartechn. 16(8):385-387. Aug. 1966. 58.8 D482
- 4045 SAXENA, R. P. Implementation of standards in farm implements and machinery. Indian Farm Mech. 17(4/5):8-12. Apr./May 1966. 58.8 In2
- 4046 SCHMID, W. Cost reduction through community machine use. 2. (Ge) Traktor Landmasch. 28(9):536-538. July 1966. 58.8 T878Ag
- 4047 SCHMID, W. Procedure in the formation of a machine community. III. (Ge) Traktor Landmasch. 28(10):583-586. Aug. 1966. 58.8 T678Ag
- 4048 SCHULTZ, W. The mechanization of winter catch crops. (Ge) Feldwirtschaft 7(5):260-262. May 1966. 18 W763
- 4049 SEFEROVICH, G. H. The 1964 farm census: get ready for these surprises. Impl. Tractor 81(19):16-17. Sept. 7, 1966. 58.8 W41
Equipment on farms.
- 4050 SHAVVA, K. I. The most profitable sequence and the level of mechanization and automation of agricultural production. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:99-102. Ref. July 1966. 20 V633
English summary.
- 4051 SIEG, R. Machines and equipment for grape and fruit culture. (Ge) Landmasch.-Markt 45(16):1029-1032. Aug. 3, 1966. 58.8 L239
- 4052 SLAVIN, R. M. Complex mechanization and automation of production in poultry houses. 24 p. Transl. 15734
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaystva 5:36-40. 1961.
- 4053 SLAVIN, R. M. Main problems of electrification and automation in poultry industry. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 6:123-132. June 1966. 20 V633
English summary.
Mechanization.
- 4054 SMEENK, W. F. H. Cooperation on small and large scale. (Du) Landbouwmeechanisatie 17(9):945-948. Sept. 1966. 58.8 L2352
English summary.
Cooperative use of equipment.
- 4055 SMITH, D. Field mechanization. Sugar Azucar 61(9):18, 20, 23-24. Sept. 1966. 65.8 F11
Sugarcane.
- 4056 STANKOVIC, D. Loading and unloading of sugar beets and effectiveness of the utilization of transportation means. (Se) Glasnik 15(7):29-36. 1966. 280.28 Z13
- 4057 STUBENBERG, A. D. Hawaii's mechanized field methods. Sugar Azucar 61(9):42-43, 45. Sept. 1966. 65.8 F11
Text also in Spanish, p. 89-91.
Sugarcane.
- 4058 SZALAY, E. The missing link. (Hu) Mezogazdasagi Tech. 6(7):12-14. 1966. 58.8 M572
Unloading equipment on the farm.
- 4059 VANDENBERG, G. E., and COOPER, A. W. Soil dynamics: a new challenge for the agricultural engineer. Agr. Eng. 47(9):481, 486. Sept. 1966. 58.8 Ag83
As an aid in farm equipment and tire design.
- 4060 VELCHEV, M. Technological progress in tobacco production. (Bu) Bulg. Tyutyun 5:10-13. 1965. 69.8 B872
Mechanization.
- 4061 VIDULESCU, D. Economic effectiveness of the mechanization of grape culture. (Rum) Gradina, Via Livada 15(5):4-11, map. May 1966. 80 G75
- 4062 WALKER, B. Equipment leasing attractive if money tight; frees capital for other investments by feed companies. Feedsuffs 38(39): 20, 59. Oct. 1, 1966. 286.81 F322
- 4063 WALTER, H., and SCHEUERMANN, A. Problems of changing the production methods with green spell. (Ge) Landtech. Forsch. 16(3): 109-114. 1966. 58.8 L2332
English summary.
Mechanization.
- 4064 WERTH, H. Farm equipment manufacturing plants on the crossroad. (Ge) Landmasch.-Markt 45(15):987-990. July 20, 1966. 58.8 L239
- 4065 WESETH, G. Mechanization is very much an economic problem. (No) Norsk Landbruk 8:14-15, 34. Apr. 22, 1966. 11 N8122
- 4066 WHITE, R. G., MCCOLLY, H. F., and STURT, D. W. Farm machinery and farm labor; project '80 rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 48, 14 p. June 1966. 284.9 M58
Published jointly with Michigan State University, Cooperative Extension Service.
Farm machinery and equipment, by R. G. White and H. F. McColly; Farm labor in 1980, by D. W. Sturt.
- 4067 WHITE, S. W. Mobility—key feature of tomorrow's farm equipment. Soc. Auto. Eng. SAE J. 74(9):44-46. Sept. 1966. 291.9 S61
- 4068 ZAHARA, M. B., and others. Labor carrier experiments in row crops. Calif. Agr. 20(7):8-9. July 1966. 100 C12Cg
R. E. Garrett, W. S. Seyman, and R. G. Curley, joint authors.
Labor saving equipment.
- 4069 ZAUSINGER, A. Front loader in Austria—market situation and diffusion. (Ge) Forordungsdienst 14(2):53-55, map. Feb. 1966. 19 F75
Austria.
- 4070 ZUCCHI, G. Further progress in the farm machine industry of Italy. (R) Macch. Motori Agr. 24(7):49-64. July 1966. 58.8 M13

Animal Husbandry Equipment

- 4071 ATHERTON, H. V. Get the right brush for the cleaning job. Dairy Herd Manage. 2(8):36. Sept. 1966. SF191.D3
Cleaning of milk handling equipment.
- 4072 COWHIG, M. J. Bucket milking machines—what to look for. Farm Res. News 7(2):28-31. Mar./Apr. 1966. 10.5 F223
Ireland.
- 4073 CREIGHTON, E. G. A farrier's advice. West. Horseman 31(10):99. Oct. 1966. 42.8 W522
- 4074 DELANY, G. M. Planning feed lots for movement of cattle and feed. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:147-148. 1965. 49.9 W27
- 4075 FJELLSTAD, J. E. Technical equipment for feeding, its adjustment and care. (No) Forfr. 83(7/8):177-178, 180-183. July/Aug. 1966. 47.8 T432
Poultry feeding.
- 4076 GABLER, E. Work made easier and labor productivity increased by modern milking equipment. (Ge) Deut. Agrartechn. 16(8):369-370. Aug. 1966. 58.8 D482

- 4077 GIBSON, D. L., and BOYKO, A. A comparison of the use of lye and iodine for wet storage of teat cup inflations. *Can. Dairy Ice Cream J.* 45(9):33-34. Sept. 1966. 44.8 C162
- 4078 JELINEK, L., and VARADI, J. Mechanized watering on the pasture. (Hu) *Magyar Mezőgazdaság* 21(28):16-17. July 13, 1966. 19 M27 Cattle.
- 4079 MACIAS, O. J. Milking trucks; interesting application of "Freon-12." (Sp) *Indus. Leche*. 46 (563):114-115. June 1966. 44.8 In26 Includes Freon for milk refrigeration.
- 4080 MEIN, G. A. Come down to earth, eliminate milk line voltage. *Dairyfarming Dig.* 13(4):23-25. July/Aug. 1966. 44.8 D1443 Milking equipment, in Australia.
- 4081 OTTO, F. K. Mechanical and hydraulic feeding installations for swine. (Ge) *DLZ—Landtech.* Z. 17(8):518,520,522,524. Aug. 1966. 58.8 T677
- 4082 PATKOS, I. Technological installation for milk feeding of calves. (Hu) *Magyar Mezőgazdaság* 21(26):16-17. June 29, 1966. 19 M27
- 4083 PFUTZ, R. How is milking done in practice? (Ge) *Tierzucht* 20(8):407-408. Aug. 1966. 49 T443 Machine and hand milking.
- 4084 REIF, E. C. New ideas in feeding equipment. *WSU (Washington State Univ.) Stockmen's Short Course*, 13th Course:129-132. 1965. 49.9 W27 Chiefly for cattle.
- 4085 THOMAS, S. B., KING, K. P., and DAVIES, A. The microflora of hand washed milk bottles. *J. Appl. Bacteriol.* 29(2):423-429. Ref. Aug. 1966. 44.8 39 So12
- 4086 THOMAS, S. B., DRUCE, R. G., and KING, K. P. The microflora of poorly cleansed farm dairy equipment. *J. Appl. Bacteriol.* 29(2):409-422. Ref. Aug. 1966. 44.8 39 So12
- 4087 WEHOSKY, G., and KOHL-SCHMIDT, D. Does agriculture need a testing service for milking equipment? (Ge) *Deut. Agrartechnik*. 16(8):372-375. Aug. 1966. 58.8 D482

Cultivation and Tillage Equipment

- 4088 ALCOCK, J. Review of tractor powered rotary and heavy duty cultivators: Motive power and the soil. *AMJ (Agr. Mach. J.)* 20(8):41-43, 46-47. Aug. 1966. 58.8 Ag86 In Great Britain.
- 4089 ALEKSANDRYAN, K. V. The use of vibrations on subsoilers operating in compacted stony soils. 3 p. Transl. 16099 Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 21(3):49-50. 1963.
- 4090 BARALDI, G. Machines for work in fruit orchards and vineyards. (It) *Macch. Motori Agr.* 24(7):79-90. July 1966. 58.8 M13 Chiefly tillage equipment.
- 4091 BESTAK, T., and LACKOVIC, L. Study of the use of rotary cultivators in the culture of corn, sugar beet, and winter wheat. (Se) *Agron. Glas.* 16(4/5):347-356. Ref. May 1966. 21.5 Ag84 English summary.
- 4092 EVERS, P. N. Field experiments on fully mechanized thinning operations with sugar beets. (Ge) *Landtech. Forsch.* 16(4):125-131. 1966. 58.8 L2332 English summary.
- 4093 FOSTER, J. H. The economics of the mold-board plow and three-tine cultivator in two districts in Uttar Pradesh. *Indian J. Agr. Econ.* 21(2):47-56. Apr./June 1966. 28.1 In2 Costs and returns.
- 4094 GILLAIN, and BRESSON. Practical information development of the use of the rotary hoe for weeding rice fields in Madagascar. (Fr) *Mach. Agr. Trop.* 14:48-53. Apr./June 1966. 58.8 M186 English summary.
- 4095 KEMENESY, E. Biological and economical trends in summer soil cultivation. I. (Hu) *Magyar Mezőgazdaság* 21(29):3-4. July 20, 1966. 19 M27 Tillage methods and equipment.
- 4096 KEMENESY, E. Biological and economical trends in summer soil cultivation. (Hu) *Magyar Mezőgazdaság* 21(30):3-4. July 27, 1966. 19 M27 Mechanical and manual.
- 4097 MEYLER, J. F., and RUHLING, W. Mechanical weed control at higher speeds. (Ge) *Landtech. Forsch.* 16(3):79-85. Ref. 1966. 58.8 L2332 English summary.
- 4098 MOSER, E., and ALLIMANT, R. First results of experiments with pneumatic cutting devices for fruit culture. (Ge) *Landtech. Forsch.* 16(3):85-90. Ref. 1966. 58.8 L2332 English summary.
- 4099 NIKIFOROV, P. E., and BREDUN, M. I. The sliding friction of soil on metal and plastic surfaces. 5 p. Transl. 16138 Tillage equipment. Translation from *Vestnik Sel'skokhozyaistvennoi Nauki (Moscow)* 10(7):112-116. 1965.
- 4100 PAPALINI, P. Self-digging integral tiller. (It) *Agr. Italia* 12(4):63-64, 66. Apr. 1966. 16 Ag8232
- 4101 PETERSEN, H. J. Big machines for soil tillage. (Da) *Tolvmandsbladet* 38(9):494-496. Sept. 1966. 11 T58
- 4102 PETERSEN, H. J. Equipment for fall tillage. (Da) *Landbonyt* 20(9):291-293. Sept. 1966. 11 L2322
- 4103 RABINOVITCH, A., VINOKUROV, V., and BOBOYUDO, L. Repairing plough shares. (Rus) *Tekh. Sel'skom Khoz.* 8:73-76. Aug. 1966. 58.8 M11
- 4104 RUHMANN, H. Plowing on slope. (Ge) *DLZ—Landtech.* Z. 17(8):514-516. Aug. 1966. 58.8 T677
- 4105 SAENKO, B. Clearing stones from top soil. (Rus) *Tekh. Sel'skom Khoz.* 8:42-43. Aug. 1966. 58.8 M11 A special harrow.
- 4106 SINGH, G. Second national ploughing contest—Pantnagar. *Indian Farm Mech.* 17(4/5):6-7. Apr./May 1966. 58.8 In2
- 4107 SIPOS, G. Principles and experiences in soil cultivation. (Hu) *Magyar Mezőgazdaság* 21(27):7. July 6, 1966. 19 M27 Chiefly on cultivators and tillage equipment.
- 4108 SOCKERNARINGENS SAMARBETSKOMMITTEE. Sommarskotsel av sockerbeter—helmekanisering av gallringsarbetet nu inom rackall [Summer care of sugar beets—automation of the thinning work within reach.] *Sockernaringens Samarbetskom. Meddel.* 8,16 p. 1966. 66.9 So13
- 4109 VERESS, A. Better machinery utilization in summer soil work. (Hu) *Magyar Mezőgazdaság* 21(30):7. July 27, 1966. 19 M27
- 4110 VOGT, C. Soil cultivation by contract labor. (Ge) *Lohnunternehmen Land-Forstwirtschaft.* 21(9):230,232,234. Sept. 15, 1966. 58.8 D81 Includes equipment.
- 4111 WILHELM, W. Different speeds in individual hoeing work and their effect of automatic steering of hoeing machinery. (Ge) *Deut. Agrartechnik.* 16(8):348-350. Aug. 1966. 58.8 D482

Fertilizing and Planting Equipment

- 4112 BERGLUND, S., and ANIANSSON, G. Tankvagnar for flytande gödsel. Tankers for liquid manure. *Jordbrukstek. Inst. Meddel.* 315, 60 p. 1966. 58.9 J762
- 4113 COMERFORD, P. Precision seeders—Qakpark tests guide our choice. *Farm Res. News* 7(2):32-39. Mar./Apr. 1966. 10.5 F223 Sugar beets, swedes, and carrots in Ireland.
- 4114 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Regularite de la repartition obtenue avec les appareils agricoles distributeurs de produits liquides ou pulverulents [The evenness of distribution obtained with machinery for applying liquid or dust products]. *France. Cent. Nat. Etudes Exp. Mach. Agr.* Etude 290, 27 p. Dec. 1965. 58.9 F842 English summary. Theory, and practical application of fertilizer.

- 4115 KUHNBERG, L. Investigation on improving single seed spacing. (Ge) Deut. Agrartechn. 16(8):345-347. Aug. 1966. 58.8 D482
Mechanical sugar beet planting.
- 4116 RID, H. Large area spreaders dominate mineral fertilizers. (Ge) Landtechnik 21(14):505-506,508,510. June 15, 1966. 58.8 L235
- 4117 ROMANO, F. Mechanical transplanting of tomatoes. (It) Agr. Italia 12(6):63-68. June 1966. 16 Ag8232
- 4118 SCHAAP, C. Precision seeding in horticulture. (Du) Groenten Fruit 22(3):109. July 27, 1966. 80 G89
Equipment.
- 4119 SKLADAL, V. Expedient equipment for the application of fertilizers for hops. (Cz) Chmelarstvi 38(9):140-141. Sept. 5, 1965. 70.8 C33

Harvesting Equipment

- 4120 AIKHODZHAEV, I., and SADIYROV, A. Harvesting alfalfa for seeds on irrigated soils. (Rus) Tekh. Sel'skom Khoz. 8:10-12. Aug. 1966. 58.8 M11
- 4121 BALOGH, K. Organization of food and feed pea harvesting. (Hu) Magyar Mezogazdasag 21(26):23. June 29, 1966. 19 M27
Mechanical.
- 4122 BARADA, L. Potato harvesting. (Hu) Magyar Mezogazdasag 21(34):12-13. Aug. 24, 1966. 19 M27
Mechanical and manual.
- 4123 BARNELL, L. C. A conversation about combines and V-belts: Some aids in V-belt troubleshooting. Impl. Tractor 61(14):22-24. June 21, 1966. 58.8 W41
- 4124 BOTHE, J. Mechanized leek and carrot harvesting. (Ge) Deut. Agrartechn. 16(8):367-368. Ref. Aug. 1966. 58.8 D482
- 4125 BRANDT, G. Special attachments for light chopping. (Ge) Feldwirtschaft 7(7):375-378. July 1966. 18 W763
Of straw.
- 4126 BRASHEARS, A. D., and RAY, L. L. Cotton stripper for harvesting research plots. U. S. Agr. Res. Serv. ARS 42-122, p. Aug. 1966. A58.9 R31
- 4127 BRYSON, C. P., and others. Harvest all you grow—increase profits: repair, adjust, and operate picker for high efficiency. Miss. State Univ. Ext. Publ. 543, 8 p., folder. July 1965. 275.29 M68Ext
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Cotton harvesting.
- 4128 CESARI, C. Harvesting of forages; old and new systems. (It) Trattoria 12(13):289-291. July 1966. 58.8 T69
- 4129 CHIZHOV, I. Most effective performance of combine harvesters. (Rus) Tekh. Sel'skom Khoz. 8:7-8. Aug. 1966. 58.8 M11
Grain.
- 4130 CHURSIN, N. Tangent threshing cylinder for combine harvesters and noncombine units. (Rus) Tekh. Sel'skom Khoz. 8:80-81. Aug. 1966. 58.8 M11
- 4131 DANIEL, M., and GERARD, M. Harvesting equipment for African oilpalm. (Fr) Oleagineux 21(8/9):515-517. Aug./Sept. 1966. 77.8 OL2
- 4132 DEDINI, U. The harvesting of olives with polypropylene nets. (It) Riv. Ital. Sostanze Grasse 43(8):330-334. Aug. 1966. 307.8 OL3
English summary.
- 4133 DETRE, I. Harvesting of corn. (Hu) Magyar Mezogazdasag 21(37):6-7. Sept. 14, 1966. 19 M27
Mechanical.
- 4134 DOHNE, E. Forage harvesting and storage as chopped straw. (Ge) Landmasch.-Rundsch. 18(7):224-227. July 1966. 58.8 L237
Equipment.
- 4135 ELEMA, H. M., and LUMKES, L. M. Beoordeling van enige frontbinders voor de rietooit in Nederland; verslag van een studiereis naar Italië van 10-17 oktober 1965 [Review of some front binders for reed harvesting in the Netherlands; report on a study trip to Italy of October 10-17, 1965]. Wageningen. Proefsta. Akker-Weidebouw. Meded. 120, 30 p. May 1966. 64.9 W122
English summary.
- 4136 ENGEL, G. Up-to-date harvesting technique in stone fruit culture. (Ge) Landtechnik 21(18):614-616. Sept. 15, 1966. 58.8 L235
- 4137 FERNANDEZ DEL POZO, J. M. International contest for the mechanical harvesting of legumes for grain. (Sp) Agricultura [Madrid] 35(411):377-380. July 1966. 15 Ag84
- 4138 FILATOV, N., VLASSENKO, N., and KHABRAI, P. Two-deck straw walker. (Rus) Tekh. Sel'skom Khoz. 8:81-82. Aug. 1966. 58.8 M11
On combine.
- 4139 FINKBEINER, T. Examinations with cleaning blowers for combines. (Ge) Landtech. Forsch. 16(3):96-99. 1966. 58.8 L2332
English summary.
- 4140 FODOR, I. Imported machines for corn harvesting. (Hu) Mezogazdasagi Tech. 6(7):4-5. 1966. 58.8 M572
- 4141 GOTZ, W. Technique in forage beet harvesting. (Ge) Landmasch.-Markt 45(17):1072-1075. Aug. 17, 1966. 58.8 L239
- 4142 HARDENBERG, D. W. GRAF VON. Status and developmental possibilities in mechanization of stone fruit berry harvesting. (Ge) Landtechnik 21(18):616, 618, 620, 622. Sept. 15, 1966. 58.8 L235
- 4143 HASSEBRAUCK, B., and MORTASAWI, M. Examinations on the cutting length of chaff with various chopping machines. (Ge) Landtech. Forsch. 16(3):90-96. 1966. 58.8 L2332
English summary.
- 4144 HOOGENDOORN, N. Transport during the harvest of sugar beet. (Du) Landbouwmachinisatie 17(9):929-934. Sept. 1966. 58.8 L2352
English summary.
Equipment.
- 4145 ILLES, T. Experiences on technical conditions of harvesting. (Hu) Magyar Mezogazdasag 21(27):3-5. July 6, 1966. 19 M27
- 4146 JENCIC, R., and LOMBERGAR, F. Stojala za obranje sadja [Fruit harvesting equipment] Ljubljana, Kmetijski Institut Slovenije, 1965. 9 p. 21.5 SL5
English summary.
- 4147 JOVAN, D., and SZULE, ZS. How to reduce losses in combine harvesting? (Hu) Magyar Mezogazdasag 21(28):6-7. July 13, 1966. 19 M27
Proper operation of machinery for grain.
- 4148 KARWOWSKI, T. Economic aspects of mechanization of sugar beet harvesting. (Pol) Gaz. Cukrownicza 73(9):210-215. Sept. 1965. 66.8 G25
Costs.
- 4149 KENNERLY, A. B. Double cropping, high density planting and mechanical harvester may solve pickle packer's labor woes. Canner/Packer 135(10):123-124. Sept. 25, 1966. 286.83 C16
Mechanical harvesting of cucumbers.
- 4150 KISSELHOF, Z. Special attachment to grain combines for harvesting of the sunflowers. (Rus) Tekh. Sel'skom Khoz. 8:16-19. Aug. 1966. 58.8 M11
- 4151 KOBSSELL, W. What is the situation in combine development? (Ge) Landmasch.-Rundsch. 18(8):246, 250, 252, 254. Aug. 1966. 58.8 L237
- 4152 KOSA, K., and POTYONDY, L. Harvesting of oil flax yield. (Hu) Magyar Mezogazdasag 21(28):14. July 13, 1966. 19 M27
Mechanical.
- 4153 KOSTROVSKII, V. Templet rig for repairing moving frames of beet harvesters. (Rus) Tekh. Sel'skom Khoz. 7:62-63. July 1966. 58.8 M11

- 4154 KOYA, S., MORI, M., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. V. The characters of combine harvester in paddy field. 3 p. Transl. 16184 Translation from Kyushu Agricultural Research, No. 27. July 1965.
- 4155 KURUCZ, GY. Timely problems of straw harvesting. (Hu) Magyar Mezogazdasag 21(27):8-9, July 6, 1966, 19 M27 Mechanical.
- 4156 MANGERUD, K. The "LTI uniharvester"—simple metered-feed forage-harvester. Farm Impl. Mach. Rev. 92(1097):1040-1041. Sept. 1, 1966, 58.8 Im72 Developed in Norway.
- 4157 MARGHIDAN, N. Economic effectiveness of harvesting straw grain with the self-propelled combines in chain operations. (Rum) Rev. Gosp. Agr. Stat 18(6):4-6. June 1966, 21 R32
- 4158 MAURER, K., and PATHAK, B. S. Examinations on straw chopping. (Ge) Landtech. Forsch. 16(3):105-108. Ref. 1966, 58.8 L2332 English summary.
- 4159 MECHANICAL harvesting of bush beans. (Ge) Indus. Obst- Gemüseverwertung 51(17):515-524. Sept. 1, 1966, 58.8 K632
- 4160 NECHIPORENKO, I. L. Proper use of the harvesters. (Rus) Len Konoplya 9:30-31, 1966, 73.8 L542 Hemp and flax.
- 4161 NILSSON, E. Notning av grovtroskat kloverfro med skordetroskat. Hulling of rough-harvested clover seed by means of a combine-harvester. Jordbrukstek. Inst. Meddel. 314, 33 p. 1966, 58.9 J762 English summary.
- 4162 PETERSEN, H. J. Big combines. (Da) Tidskr. Landokon. 7:347-354. Aug./Sept. 1966, 11 T43
- 4163 PETERSEN, H. J. Combine harvesting. (Da) Landbonyt 20(7):227-230, 232-234. July 1966, 11 L2322 Grain.
- 4164 PETERSEN, R. Does the harvesting technique change? (Ge) Tech. Landwirt. 18(6):188, 190. June 15, 1966, 58.8 T223
- 4165 PETERSEN, R. O. Mechanized harvesting, a materials handling problem. Sugar Azucar 61(8):30-31. Aug. 1966, 65.8 F11 Text also in Spanish, p. 64, 66. Sugarcane.
- 4166 SAKSHAUG, K. Machine harvesting of beans. (No) Gartneryrket 56(34):788-789. Aug. 19, 1966, 80 G1935
- 4167 SARKADI, D. Harvesting of lucerne seed. (Hu) Magyar Mezogazdasag 21(33):5-6. Aug. 17, 1966, 19 M27 Mechanical.
- 4168 SCHILLING, E. Combine 1966—a balance. (Ge) Landtechnik 21(17):586-589. Sept. 1, 1966, 58.8 L235
- 4169 SIEG, R. Experiences with the sleeveless double cutter sickle bar. (Ge) Traktor Landmasch. 28(9):531-535. July 1966, 58.8 T678Ag Mounted on tractor.
- 4170 SKLADAL, V., and MAKOVEC, K. Mechanized harvesting and the quality of hops. (Cz) Chmelarstvi 38(8):122-123. Aug. 5, 1965, 70.8 C33
- 4171 SMIRNOV, N. Preparing fibre-flax plots for harvesting. (Rus) Tekh. Sel'skom Khoz. 8:4-6. Aug. 1966, 58.8 M11
- 4172 SPECHT, A. Potato harvesting machines. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(8):213-216. Aug. 15, 1966, 58.8 D81
- 4173 STEFANELLI, G. Mechanization of fruit tree harvesting. (It) Macch. Motori Agr. 24(7):65-76. July 1966, 58.8 M13
- 4174 SZABO, L. Complex mechanization of potato harvesting. I. Possibilities for removing potato vine. (Hu) Magyar Mezogazdasag 21(33):8-9. Aug. 17, 1966, 19 M27
- 4175 SZABO, L. Complex mechanization of potato harvesting. II. Mechanized potato picking. (Hu) Magyar Mezogazdasag 21(34):10-11. Aug. 24, 1966, 19 M27
- 4176 SZABO, L. Operation of pick-up balers. (Hu) Magyar Mezogazdasag 21(29):12-13. July 20, 1966, 19 M27 For straw.
- 4177 TATEISHI, S., KUSUHARA, N., and KQJIMA, K. Experiments on facility in harvesting with rice combine in the Isahaya Polder. 9 p. Transl. 16178 Translation from Kyushu Agricultural Research 27:15-17. July 1965.
- 4178 VERESS, A. Two-phase harvesting of cereal. (Hu) Magyar Mezogazdasag 21(26):5. June 29, 1966, 19 M27 Mechanical.
- 4179 VIRANYI, S., and SZULE, ZS. Harvesting of lucerne and red clover seed. (Hu) Magyar Mezogazdasag 21(35):9. Aug. 31, 1966, 19 M27 Mechanical.
- 4180 VOIT, I. The accent is on harvester-thresher. (Hu) Magyar Mezogazdasag 21(26):6-7. June 29, 1966, 19 M27 Operation.
- 4181 WASHBURN, B. M. Machinery for efficient soybean production. Soybean Dig. 26(13):16-17. Oct. 1966, 60.38 S09 Harvesting.
- 4182 YAMBAEV, I. Divided method in potato harvesting. (Rus) Tekh. Sel'skom. Khoz. 8:12-16. Aug. 1966, 58.8 M11 Mechanical.
- 4183 ZEHETNER, J. Tractive force on potato and beet harvesters. (Ge) Landmasch.-Markt 45(17):1080, 1082, 1084. Aug. 17, 1966, 58.8 L239
- 4184 ZHUKOVA, A. Harvesting of falseflax and mustard with combines. (Rus) Tekh. Sel'skom Khoz. 8:18-19. Aug. 1966, 58.8 M11
- 4185 ZIMMERMAN, M. New on the combine scene. Impl. Tractor 81(22):32-33. Oct. 21, 1966, 58.8 W41

Processing Equipment Used on the Farm

- 4186 BEREZIN, N. G. An apparatus for studying plant cutting processes. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:122-127. July 1966, 20 V633 English summary. Silage.
- 4187 BOOSMA, A. H. Mechanical cutting loss of silage. (Du) Landbouwmecanisatie 17(10):1047-1049. Oct. 1966, 58.8 L2352 English summary.
- 4188 BYERS, G. L., and ROUTLEY, D. G. Alfalfa drying overcoming natural barriers. Agr. Eng. 47(9):476-477, 485. Sept. 1966, 58.8 Ag83
- 4189 CALDERINI, G. Rationalization on the drying and loading of grass on hay-loft. (It) Inform. Zootec. 13(5):201-205. Mar. 15, 1966, 49 In3
- 4190 CHLUPATY, R. New equipment for the drying of hops. (Cz) Chmelarstvi 39(6):88-90. June 25, 1966, 70.8 C33
- 4191 CROSS, M. W. A review of haymaking methods and equipment. Massey Univ. Manawatu. Sheepfarming Amu. 1965:163-171. 45.9 M38S New Zealand.
- 4192 FRIC, V. Proper maintenance of band driers is a basis for the qualitative performance. (Cz) Chmelarstvi 38(8):124-126. Aug. 5, 1965, 70.8 C33 Hops.
- 4193 FUMELLI, A. Hay-making with ventilation by means of warm air. (It) Inform. Zootec. 13(12):533-538. June 30, 1966, 49 In3
- 4194 GIL, L. An interesting machine for ensilaging in plastic bags. (It) Trattorista 12(14):317-320. July 31, 1966, 58.8 T69
- 4195 GRACKOVA, A. Egg cleaning equipment. (Cz) Druževnictvi 14(7):108. July 1966, 47.8 D843
- 4196 KOEFOED, T. Technical aids in ensiling. (Da) Landbonyt 20(5):157-162. May 1966, 11 L2322
- 4197 KUKLINA, A. V. Problem in cleaning flax seeds. (Rus) Len Konoplya 9:31-32, 1966, 73.8 L542

- 4198 MAUCH, A. Status technique of fresh fruit preparation, sorting and packing. (Ge) Landtechnik 21(18):624,626,628,630,632-633. Sept.15,1966. 58.8 L235
- 4199 PENNER, D. Consumption of current and costs in an electric grain drying. (Ge) Tech. Landwirt. 18(6):194-196. June 15,1966. 58.8 T223
- 4200 POLAK, F. Clean grain for the granary. (Hu) Mezogazdasagi Tech. 6(7):6-7. 1966. 58.8 M572
Thresher operation.
- 4201 RICE, B. Haymaking machines—reviewing the test reports. Farm Res. News 7(3):68-70. May/June 1966. 10.5 F223
Ireland.
- 4202 RIEMANN, U. Grain drying must be planned. (Ge) Tech. Landwirt. 18(6):182-184. June 15, 1966. 58.8 T223
Includes equipment.
- 4203 SANTA, J. Increasing of our drying capacity. (Hu) Malomipar Termenyiorgalom 13(3):103-106. May/June 1966. 298.8 M292
Grain drying equipment.
- 4204 SCHEURMANN, A., and ULREICH, G. Drying and loss processes at the ventilation of hay piles with cold air. (Ge) Landtech. Forsch. 16(3):100-104. Ref. 1966. 58.8 L2332
English summary.
- 4205 SCHURIG, M. The U.S. farmer knows his trade. (Ge) DLZ—Landtech. Z. 17(9):584,586, 588. Sept.1966. 58.8 T677
Trends in mechanized forage and silage preparation.
- 4206 SHEPPERSON, G. Quick haymaking machinery and methods. Outlook Agr. 4(6):259-269. Ref. 1965. 10 Ous
Great Britain.
- 4207 SOLL, J. Silage preparation chains in contract labor. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(8):217-218. Aug.15,1966. 58.8 D81
- 4208 SZEGO, M., and KERESZTESY, A. Test of corrosive effect of coolants in the milk industry. (Hu) Tejipari Kutatasi Közlemenyek 8(1): 35-51. Ref. 1965. 44.8 T234
English summary.
- 4209 TETTEREV, B., and SEMENOV, I. Onion bulb sorter. (Rus) Tekh. Sel'skom Khoz. 8:58-59. Aug.1966. 58.8 M11
- 4210 TOSKOV, V. Results of comparative tests with band and chamber drying systems of hops. (Cz) Chmelarstvi 39(6):86-87. June 25,1966. 70.8 C33
- 4211 UKRAINETS, V. After-harvest processing of oil poppy seeds. (Rus) Tekh. Sel'skom Khoz. 8:20-22. Aug.1966. 58.8 M11
- 4212 VAMOSI, J. Follow-up drying of grain with ventilation airing. (Hu) Magyar Mezogazdasag 21(28):8-9. July 13,1966. 19 M27
- 4213 WHITE, H. A., and COZENS, L. E. Cost of making and storing hay. J. Agr. [Melbourne] 64(8):341-347. Aug.1966. 23 V66J
- 4214 WLJK, A. VAN. Onderzoek naar de gebruiksmogelijkheden van stengelmeuzers. An investigation into the application possibilities of hay crushers. Wageningen. Inst. Landbouwtch. Ration. Publ. 98,32 p. Ref. June 1966. 58.9 W12
English summary.
- 4215 ZEHETNER, J., and HAMMERSCHMID, W. Results of technical testing of heating and ventilating aggregates and conclusions for possible drying performance of warm air drying installations for forage corn. (Ge) Landtech. Forsch. 16(4):149-152. 1966. 58.8 L2332
- 4218 GREEN, J. E. Manure disposal from dairy buildings. Dairyfarming Dig. 13(3):29-32. May/June 1966. 44.8 D1443
In Australia.
- 4219 HEIN, H. Problems of CO2 build-up welding in agricultural engineering. (Ge) Deut. Agrartech. 16(9):433-436. Sept.1966. 58.8 D482
- 4220 LANG, F. Managing stable manure. (Hu) Magyar Mezogazdasag 21(30):5-6. July 27,1966. 19 M27
- 4221 OTTO, F. K. Stable manure work chain. (Ge) DLZ—Landtech. Z. 17(9):568,570,572,574. Sept.1966. 58.8 T677
Handling equipment.
- 4222 SCHLAGHECKEN, A. The situation of farm shops. (Ge) Tech. Landwirt. 18(7):218. July 15,1966. 58.8 T223

Spraying and Dusting Equipment

- 4223 ANISHCHENKO, A. I. Effective utilization of inter-farm airports for aerial application of chemicals in agriculture. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 25:166-169. 1965. 281.9 M852
- 4224 BALASTIK, F. New equipment for the chemical protection of hop stands. (Cz) Chmelarstvi 38 (11):171-172. Nov.5,1965. 70.8 C33
Spraying equipment.
- 4225 BARRENTINE, W. L., WOOTEN, O. B., and HOLSTUN, J. T. A progress report on the evaluation of soil incorporators—dye techniques. Miss. Agr. Exp. Sta. Bull. 702,6 p. Mar.1965. 100 M69
Weed control equipment for incorporating CIPC and trifluralin in soils for cotton.
- 4226 GEBHARDT, M. R., and DAY, C. L. How to calibrate your sprayer. Mo. Agr. Exp. Sta. Bull. 848,8 p. May 1966. 100 M693
- 4227 MACHUGA, S., and KOBYLKO, B. Fast-working pump. (Rus) Zashch. Rast. Vred. Boleznei 11:23-29. 1965. 421 Z1
For spraying equipment.
- 4228 PETRLIK, Z. Utilization of all machines for the effective protection of hops. (Cz) Chmelarstvi 38(5):68-69. May 25,1966. 70.8 C33
Spraying equipment.
- 4229 TING, H. C. A preliminary study on the influence of pressure on size of atomized drop. (Ch) Acta Phytolalicla Sinica 4(3):285-292. Aug.1965. Not in Libr.
Spraying equipment.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:13. Mar.3,1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 4230 VRABL, S. Amount of spraying preparations and the selection of spraying equipment for the fruit nurseries. (Sl) Soc. Kmetijstvo Gzdarstvo 17(5):105-107. Apr.2,1966. 21.5 So14
- 4231 WHITE, J. H., and MATTHEWS, E. J. High-speed flame cultivation for weed control in cotton. Ark. Farm Res. 15(3):5. May/June 1966. 100 Ar42F

Vehicles

- 4232 ALLES, K. Proper operation of shaft coupling. I. (Ge) Landmasch. Markt 45(17):1091-1092. Aug.17,1966. 58.8 L239
- 4233 BOEHM, H. Methods of the quantitative market research. (Ge) Landtech. Forsch. 16(4): 144-149. 1966. 58.8 L2332
English summary.
Tractors.
- 4234 BRITISH TRACTORS AND FARM MACHINERY. The green book. Volume 15—No. 32. Winter, 1966. London, 1966. 273 p. 58.8 B773
- 4235 BRITISH TRACTORS AND FARM MACHINERY. The green book. Volume 15—No. 33. Summer edition, 1966. London, 1966. 68 p. 58.8 B773
- 4236 CAMPBELL, D. A. Farming takes to the air. New Zeal. Meat Prod. 10(11):38-39,41. Aug.1,1966. 50.8 N48

Repair, Maintenance, and Construction Equipment

- 4216 DALE, A. C., MORRIS, W. H. M., and ALBRIGHT, J. L. Liquid manure handling for the dairy operation. Purdue U. Ind. Ext. Mimeo ID-67,6 p. July 1965. 275.29 In2d
- 4217 ESTEP, A. J. Handling liquid manure by sprinklers. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:35-38. 1965. 49.9 W27

- 4237 COMAN, S. J. The lead acid vehicle battery. III. Rhodesian Tobacco J. 18(8):60-61. Aug. 1966. 69.8 R34
- 4238 CUNNEY, M. B. Overturning of tractors has proved to be a serious source of fatal or serious accidents; are safety cabs the answer? Farm Res. News 6(2):39-41. Mar./Apr. 1965. 10.5 F223
- 4239 DREISSIG, M. Suitable vehicles and attachments for the transportation of grain, hay, and straw. (Ge) Feldwirtschaft 7(7):373-375. July 1966. 18 W763
- 4240 DREISSIG, M. Trailer construction for industrialized green storage transportation. (Ge) Feldwirtschaft 7(5):262-265. May 1966. 18 W763
- 4241 DUPUIS, H., and BROICHER, H. A. Frequency analysis of mechanical vibrations in three directions at the tractor seat. (Ge) Landtech. Forsch. 16(4):131. 1966. 58.8 L2332
Correction to above article in vol.15(5).
- 4242 FELFOLDI, J. Contribution to transportation work of production cooperatives. (Hu) Magyar Mezőgazdaság 21(35):11-12. Aug. 31, 1966. 19 M27
- 4243 FOSS, W. F. Larger tractors are on the way. Soc. Auto. Eng. SAE J. 74(9):39-41. Sept. 1966. 291.9 S01
- 4244 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Automation of mobile equipment in agriculture. 1-2. (Fr) France. Cent. Nat. Etudes Expt. Mach. Agr. Bull. Inform. 97/98: 23-43; 99:27-37. Feb./Mar.-Apr. 1966. 58.9 F84B3
Review of the literature on remote-controlled and programmed tractors and self-propelled equipment.
- 4245 FRIEDRICH, H. J. Die Typenbeschränkung in der deutschen Zweiaxchschlepper-Industrie, ihre Auswirkung auf Markt und Fertigung [The restriction on types in the German two-axle tractor industry, its effect on market and manufacture]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 9,224 p. 1964. 105.8 B644
Bibliography, p.184-194.
- 4246 GILLING, T. Livestock production needs power. Beef Sheep Farming 3(5):10,12-13. July 1966. 43.8 B392
History; chiefly tractors.
- 4247 HANSEN, M. Reducing tractor fatalities. Agr. Eng. 47(9):472-474. Ref. Sept. 1966. 58.8 Ag83
- 4248 HEINRICH. Tractor and tractor equipment for special cultures. (Ge) Landmasch.-Markt 45(16):1033-1034,1036. Aug. 3, 1966. 58.8 L239
- 4249 HOUGH, R. W. Tractor horsepower slated to rise. Soc. Auto. Eng. SAE J. 74(9):41-44. Sept. 1966. 291.9 S01
- 4250 IONESCU, I., and CHINTESCU, M. Enlargement of tanks for the transportation of milk. (Rum) Indus. Aliment. 16(10):530-535. Oct. 1965. 389.8 In26
English summary, p.2 of supplement.
- 4251 JENSEN, D. V., and SWANSON, R. C. Slow moving vehicle emblem: know, use, heed, for safety with slow-moving vehicles on highways. Wis. Univ. Ext. Spec. Circ. 123,4 p. June 1966. 275.29 W758
- 4252 KADAYIFCILAR, S., and YAVUZCAN, G. Testing of tractors on O.E.C.D. basis. (Ge) Ankara Univ. Fac. Agr. Yearbook 1964:65-70. 1965. 25 An42
- 4253 KOLOBOV, G. G. Experimental investigations of specific contact pressure distributions of pneumatic tractor tires on soil. 11 p. Transl. 16127
Translation from Traktory i Sel'khoz mashiny 30(12):15-18. 1960.
- 4254 KOMANDI, GY. Determination of physical soil coefficients on account of the relationship between shear diagram and traction characteristic. (Ge) Landtech. Forsch. 16(4):115-124. Ref. 1966. 58.8 L2332
English summary.
In relation to tractors.
- 4255 LEHMANN, H. A. Hydraulic relief valve problems and designs. Amer. Soc. Agr. Eng. Trans. ASAE 9(2):156-158. 1966. 290.9 Am32T
For tractor lift linkage circuit.
- 4256 LONG, M. E. Increase tractor flotation. Hoard's Dairyman 111(18):1080. Sept. 25, 1966. 44.8 H65
For reduction of soil compaction.
- 4257 LONG, M. E. Tractor hitches. West, Farm Equip. 63(1):5-8. Jan. 1966. 58.8 Im73
- 4258 LONG, M. E. What you should know about tractor lighting. Impl. Tractor 81(20):24-26. Sept. 21, 1966. 58.8 W41
- 4259 MAANEN, J. V. Transport with pallets. (Du) Landbouwmachinistie 17(9):997-998. Sept. 1966. 58.8 L2352
English summary.
Flax.
- 4260 MARTYNYENKO, V. P. Analytic determination of resistance against rolling wheel. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:20-23. June 1965. 20 V82
Russian summary.
Tractors.
- 4261 RUEB, H. P. Consider health and safety in setting up working places with agricultural motor vehicles. (Ge) Grune 94(36):1293-1298. Sept. 9, 1966. 17 Sch9
Switzerland.
- 4262 RUGEN, V. L., and WOLFF, R. J. New concepts and features in tractor design. Amer. Soc. Agr. Eng. Pap. 660,28 p. 1965. 290.9 Am32P
- 4263 TESCH, M. Chopped straw procedures with and without an attachment behind the field chopper. (Ge) Feldwirtschaft 7(7):353-355. July 1966. 18 W763
For transportation.
- 4264 THUM, E. Further development of tractor test service towards an agricultural machine test service. (Ge) Deut. Agrartechnik. 16(9):428-431. Sept. 1966. 58.8 D482
- 4265 VOROPEV, G. Wear of the tractor front tires. (Rus) Tekh. Sel'skom Khoz. 8:66-68. Aug. 1966. 58.8 M11
- 4266 WILKING, E. Transportation flow design and layout in storage preparation of fruit. (Ge) Landtechnik 21(18):633-634,636,638-641. Sept. 15, 1966. 58.8 L235
- 4267 ZIMMERMANN, M. Looking over the turf tractors. Impl. Tractor 81(18):36-38. Aug. 21, 1966. 58.8 W41

FARM STRUCTURES AND RURAL HOUSING

- 4268 CANADA. ASSOCIATE COMMITTEE ON THE NATIONAL BUILDING CODE. Farm building standards. Canada, 1965. Ottawa, 1965. 175 p. (Supplement No. 6 to the National Building Code of Canada) 296.29 N2132
- 4269 EICHHORN, H., and HANNUSCH, D. Rebuilding on farmsteads of the Bavarian Lower Alps area. (Ge) Bauen Lande 17(8):193-198. Aug. 1966. 296.8 Ar1
Designs and construction.
- 4270 FISCHER, H. A new service building for the District Agency for Plant Protection [Bezirksstelle für Pflanzenschutz] in Lubeck. (Ge) Nachrichten. Deut. Pflanzenschutzdienstes 17(12):189-190. Dec. 1965. 442.9 B832
Includes classrooms.
- 4271 KIRCHHOF, W. Provide for high labor productivity in the inter-collective building organizations! (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:405-408. 1966. 280.29 D482
- 4272 KOHNE, M. Cost calculation of farm buildings: on the problem of fixed assets to be liable for interest on an average. (Ge) Agrarwirtschaft 15(8):265-272. Aug. 1966. 281.8 Ag826
English summary.
- 4273 LAMMERT, T. Building industry faces the task of developing structures to meet new requirements. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:424-429. 1966. 280.29 D482
Farm buildings.
- 4274 PASTFIELD, D. H. Farm building design and construction. London, Temple Press Books, 1965. 294 p. Ref. TH4911.P3

- 4275 VANDERSTEEN, W. A. The maintenance survey. Great Brit. Min. Agr. Fish. Food. Agr. 73 (8):397-398. Aug. 1966. 10 G79J Buildings.
- 4276 VOLLEBEKK, INSTITUTT FOR BYGNINGS-TEKNIKK. Arsmelding [Annual report of the Institute for Building Technique] 1964. Norges Landbrukshøgsk. Inst. Bygningstek. Meld. 36,27 p. 1965. 49.9 N76M
- 4277 WJJEVEN, A. Consolidated holding district farms of wood. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(2/3):73-80. Feb./Mar. 1966. 12 N363M Wood buildings and costs.
- 4278 WINTRUFF, H. Designs according to catalog—a new method for preparing agricultural production buildings. (Ge) Deut. Agrartech. 16 (6):381-383. Aug. 1966. 58.8 D482
- 4296 HUTSCHENREUTHER, G. Modern rearing forms of high producing sows. (Ge) Tierzucht 20(8):428-430. Aug. 1966. 49 T443 Housing designs.
- 4297 JANAC, K. Problems of microclimate in typical housing for 6 thousand laying hens on deep litter. (Cz) Pol'nohospodarstvo 12(7):575-587. 1966. 19.5 P572 English summary.
- 4298 JENSEN, P. H. Sheep pens. (Da) BP Olie-Kompagniet Nyhedstjeneste 52:11-19. Ref. July 1966. 281.9 B44
- 4299 JUNGE, H. R. Modern barns. (Da) Landbonyt 20(5):174-180. (Cont.) May 1966. 11 L2322 Construction and equipment.
- 4300 KADLEC, J. E., and others. Comparison of swine growing-finishing building systems. Ind. Agr. Exp. Sta. Res. Bull. 816:20 p. Aug. 1966. 100 I2P
W. H. M. Morris, D. Bache, R. Crawford, H. Jones, R. Pickett, M. D. Judge, A. C. Dale, R. M. Peart, W. H. Friday, E. O. Haelterman, and P. N. Boehm, joint authors.

Animal Shelters and Animal Service Buildings

- 4279 BADULESCU, P. The density per square meter as an essential factor in the raising of poultry in rigid housing. (Rum) Rev. Gosp. Agr. Stat 18(6):30-31. June 1966. 21 R32
- 4280 BAHR, H. New requirements for heat insulation of stables. (Ge) Monatsh. Veterinarmed. 21(13):497-500. July 1, 1966. 41.8 M742 English summary.
- 4281 BERGER, M. Climatological problems in monoblock stable structures. (Ge) Monatsh. Veterinarmed. 21(13):500-508. July 1, 1966. 41.8 M742 English summary.
Ventilation and temperature aspects.
- 4282 BLACK, W. J. M. Advantages of in-wintering our ewes. Farm Res. News 6(4):88-89. July/Aug. 1965. 10.5 F223 Housing in Ireland.
- 4283 BORUP, J. Swine housing problems. (Da) Landbonyt 20(7):240-244. July 1966. 11 L2322
- 4284 BRESSLER, G. O. High density housing on sloping wire floors. Everybodys Poultry Mag. 71(1):17,38. Jan. 1966. 47.8 F213P
- 4285 COOPER, M. M. In-wintering of sheep. Outlook Agr. 5(2):80-84. Outlook Agr. 5(2):80-84. 1966. 10 Ous Housing in Great Britain.
- 4286 DOBSON, C. Farrowing to fattening houses. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):372,374-375. Aug. 1966. 10 G79J Swine.
- 4287 DONOGHUE, L. A. Want to remodel the old barn? Hog Prod. 2(3):14-16. Apr. 1966. 46.8 H675 Costs
- 4288 DYRENDAL, S. Barn sanitation in 1965. (Sw) Svensk Veterinaridn. 18(13/14):391-394. July 1966. 41.9 Sv23 Dairy barns.
- 4289 CARDINALI, M. Automation of shelters as a solution to zootechnical crisis. (It) Inform. Zootec. 13(5):187-198. Mar. 15, 1966. 49 In3
- 4290 CESARI, C. Ideas and plans for the rearing of cattle by a farmer in Ferrara. (It) Inform. Zootec. 13(2):47-50. Jan. 31, 1966. 49 In3 Housing designs.
- 4291 DAGNINO, V. Agriculture and zootechny; use of wires and nails. (It) Inform. Zootec. 12 (22):837-840. Nov. 30, 1965. 49 In3
- 4292 FORSYTH, I. A., O'DONOGHUE, P. N., and WATSON, S. C. Caging of pigeons for experimental use. Inst. Anim. Tech. J. 17(1):22-24. Mar. 1966. QL55.15
- 4293 FOTI, S. Rationalization on permanent housing for raising sheep. (It) Inform. Zootec. 13(9):387-392. May 15, 1966. 49 In3
- 4294 GRZEGORZAK, A. Studies on the air changes in large, closed cow barns in winter. (Pol) Wroclaw. Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 13:61-69. 1964, pub. 1965. 49.9 B75 English summary.
- 4295 HAARTSEN, P. J. Insulation of cowshed floors. (Du) Landbouwmechanisatie 17(9):961-967. Sept. 1966. 58.8 L2352 English summary.
- 4301 KASAPU, T. M. Rabbit-keeping as a project: housing. Zambia Ass. Young Farmers' Clubs. Young Farmers' Club Mag., May 1966:8-10. S544.5.Z323
- 4302 KATZ, P. Beitrag zur experimentellen Untersuchung der Luftströmung in Ställen (Contribution to the experimental research on air currents in stalls). Giessen, Justus-Liebig- Univ. Landwirt. Fak. [Diss.] 7,124 p. 1965. 105.8 G36
- 4303 KERSTENS, R. Ventilation of barns. (Da) Landbonyt 20(9):318-324. Sept. 1966. 11 L2322
- 4304 KETMAN, J., and SEDLAK, V. Cattle sheds with or without storage space. (Cz) Ekon. Zemedelstvi 5(1):13-16. Jan. 1966. 281.8 Ek7 Costs.
- 4305 MATON, A., and DAELEMANS, J. Problems of constructions and labor in the fattening of young cattle. (It) Inform. Zootec. 13(8):335-343. Apr. 30, 1966. 49 In3 Chiefly designs of buildings.
- 4306 MEIN, G. A., and GREEN, J. E. Doubled-up herringbones. Dairyfarming Dig. 13(4):11-14. July/Aug. 1966. 44.8 D1443
- 4307 MOLBERT, H. The stanchion stable or open stall. (Ge) DLZ—Landtech. Z. 17(9):580,582. Sept. 1966. 58.8 T677 For cattle.
- 4308 PEDRINI, E. By the social barn of Bolzano; information about its recent development. (It) Inform. Zootec. 13(12):527-530. June 30, 1966. 49 In3 Chiefly for cattle housing.
- 4309 POHLMANN, H. Standardization of stall dimensions—possibilities for lowering building prices. (Ge) Tierzucht 18(17):605-607. Sept. 5, 1966. 49 T445
- 4310 PROVACALLO, G. Rustic buildings in Aosta Valley and a valuable Alpine model. (It) Inform. Zootec. 12(22):845-848. Nov. 30, 1965. 49 In3 Chiefly for cattle.
- 4311 RAFAI, P., and HARASZTI, E. Fattening stalls for 600 swine. (Hu) Magyar Mezogazdasag 21 (35):18-19. Aug. 31, 1966. 19 M27
- 4312 RIJKENBARG, G. J. H., and JONG, A. P. S. DE. Aspects of different types of cowsheds for dairy cattle on grassland farms. 1. (Du) Landbouwmechanisatie 17(9):917-923. Sept. 1966. 58.8 L2352 English summary.
- 4313 RUHMANN, H., and SCHURIG, M. Advantageous heating of milking parlor. (Ge) Tech. Landwirt. 18(7):222-224. July 15, 1966. 58.8 T223
- 4314 RUSSELL, H. M. Shearing sheds—design and construction. 1. J. Agr. [Melbourne] 64(8):335-340,362. Aug. 1966. 23 V66J
- 4315 SAINSBURY, D. W. B. Housing of livestock. III. Cattle housing. Veterinarian [Oxford] 4(2):103-105. Aug. 1966. 41.8 V6467
- 4316 SAINSBURY, D. W. B. Housing of livestock. IV. Poultry housing. Veterinarian [Oxford] 4 (2):107-109. Aug. 1966. 41.8 V6467

- 4317 SAINSBURY, D. W. B. Housing of livestock. V. Pig housing. *Veterinarian [Oxford]* 4(2):111-113. Aug.1966. 41.8 V6467
- 4319 SOLANO, R. Artificial lighting of the henhouse. (Sp) *Cult. Mod.* 49(7):275. July 1966. 15 C89
- 4319 TUIITE, P. J. Take care with cubicles. *Farm Res. News* 6(5):115-118. Sept./Dec.1965. 10.5 F223
Dairy cattle housing in Ireland.
- 4320 TURNER, G. M., and JENKINS, G. H. How to pick and prepare sites for poultry houses. *Poultry Internat.* 5(6):66-67, 69. Nov./Dec. 1966. 47.8 P8698
- 4321 U. S. AGRICULTURAL RESEARCH SERV. Free-stall dairy system for 101 cows; cooperative farm building plan No. 5985. U. S. D. A. Misc. Publ. 1037.2 p. Sept.1966. 1 Ag84M
- 4322 VIRGINIA, POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Beef cattle corrals. Va. Polytech. Inst. Ext. Circ. 445, rev., 7 p. June 1966. 275.29 V81C
- 4323 WESTENDORP, T. J. Ervaringen met enkele ligboxenstallen [Experiences with stanchion type stalls]. *Wageningen, Inst. Landbouwhed-rijfsgebouwen. Mededel* 20,5 p. May 1966. 49.9 W12
- Farmhouses and Farmsteads
- 4324 DANIELLO, L. Soverato, pilot center for methodological research. (It) *Agricoltura* 15(2):66-70, map. Feb.1966. 16 Ag8226
Work of the Institute for the Development of Social Housing [Istituto per lo Sviluppo dell'Edilizia Sociale]
- 4325 CELS, J. A. Canteens. (Du) *Landbouwmecanisatie* 17(10):1079-1080. Oct.1966. 58.8 L2352
In relation to labor housing.
- Greenhouses and Plant Service Buildings
- 4326 AVALL, H. Forsök med ersättningsmaterial för glas till drivbanker och växthus. Experiments with different materials as substitutes for glass in frames and greenhouses. *Uppsala.. Lantbrukshögsk. Medd. Ser. A*, 51,31 p. Ref. 1966. 11 Up62
English summary.
Plastic.
- 4327 BERRY, A. K. Building a greenhouse and potting shed. Oxford, Pergamon Press, 1965. 104 p. (Commonwealth and International Library of Science, Technology, Engineering and Liberal Studies. Rural and Environmental Studies Division, 243) SB416.B4
- 4328 KAMINSKII, A. M. Some problems of regulating temperature in greenhouses. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 7:147-149. July 1966. 20 V633
- 4329 KLOSE, G. Climate regulated greenhouse at the Norwegian Agricultural College [Norges Landbrukshøgskole]. *Gartneryrket* 56(31):730-732, 736. (Cont.) July 29, 1966. 80 G1938
- 4330 KLOSE, G. Climate regulated greenhouse at the Norwegian Agricultural College [Norges Landbrukshøgskole]. (No) *Gartneryrket* 56(32):750-751. (Concl.) Aug.5, 1966. 80 G1938
- 4331 LONGHENA, G. B. Greenhouses covered with flexible plastic foil: a great future for our horticulture. (It) *Agr. Spezia* 14(9/10):152-157. Sept./Oct.1966. 18 Ag8229
- 4332 MUMFORD, E. B. Concrete below carnation beds. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(7):344-346. July 1966. 10 G79J
Greenhouses.
- 4333 SHELDRAKE, R. Planning, constructing, and operating plastic covered greenhouses. *Cornell Univ. Ext. Cornell Misc. Bull.* 72,15 p. June 1966. 275.29 N48CM
- 4334 SOMOS, A., and FLIUS, I. A muanyagfolia hasznalata a zoldsegghattasban [Use of plastic foils in vegetable forcing]. *Budapest, Mezőgazdasági Kiadó*, 1965. 71 p. Ref. SB416.86
In greenhouses.
- 4335 SPEK, J. C. Building research in horticulture. (Du) T.N.O. [Toegepast-Natuurwetensch. Onderz.-] *Nieuws* 21(9):328-332. Sept.1966. 475 T11
English summary.
Greenhouses.
- 4336 SZILAGYI, T. Data on the variation of air temperature and humidity in a greenhouse. (Hu) *Időjárás* 70(3):180-182. May/June 1966. 340.8 Id5
English summary.
- 4337 TYLER, G. J. Analysis of the solution tableau of a standard linear programming problem. *J. Agr. Econ. [Reading]* 17(2):159-170. Sept. 1966. 281.9 Ag8
Applied to horticulture under glass.
- Materials and Methods
- 4338 CURTIS, J. O., and HANSEN, E. L. Concrete wall panels that are self-supporting and extend footing to roof. *Ill. Res.* 8(3):14-15. Summer 1966. 100 IL64
- 4339 REINSCH, H. H. Weather resistant and firm should be the paint. (Ge) *Tech. Landwirt.* 18(7):220-221. July 15, 1966. 58.8 T223
- Storage Structures
- 4340 ALLAN, T. New shape on agriculture's skyline. *Agr. Merchant* 46(9):66-67, 69. Sept.1966. 10 Ag89
History of silos.
- 4341 APOSTOLOV, D. Regulation of air parameters of stored tobacco by ventilation. (Bu) *Bulg. Tyutyun* 9/10:36-45. 1965. 69.8 B872
- 4342 DEMBLON, G. How to convert a tobacco barn to a crop-drying unit. *Rhodesian Tobacco J.* 18(8):22-23, 25. Aug.1966. 69.8 R34
- 4343 PAMUKOV, I. Using tobacco drying structure of the Timarevo type. (Bu) *Bulg. Tyutyun* 8:20, 23. 1965. 69.8 B872
- Walls and Fences
- 4344 WESTON, L. H. Electric fences for sheep. *Massey Univ. Manawatu. Sheepfarming Annu.* 1965:185-192. 45.9 M35S
In New Zealand.
- FARM UTILITIES
- Electricity and Electrification
- 4345 ALTMAN, L. B., and PRINGLE, H. S. Farm wiring in the new NEC [National Electrical Code] code. (Condensed). *Eng. Agr.* 47(9):478-480. Sept.1966. 58.8 Ag83
- 4346 ALYSHEV, M. Electrification of farms in the Five-Year Plan. (Rus) *Tekh. Sel'skom Khoz.* 8:1-3. Aug.1966. 58.8 M11
- 4347 ANDREWS, D. T. Rural electrification in the United States, 1954-1964; a list of selected references. U. S. Natl. Agr. Libr. Libr. List 84, 70 p. June 1966. 1.916 L612
- 4348 BABKIN, S. Electrification of collective and state farms in the Ukraine. (Rus) *Tekh. Sel'skom Khoz.* 8:44-46. Aug.1966. 58.8 M11
- 4349 DIRECTORY of rural electric cooperatives. *Coop. Dig. Farm Power* 29(9):26-49. Mar. 1966. 280.28 C7896
- 4350 ELECTRICITY COUNCIL (GREAT BRITAIN). EDA DIV. Electricity for the grower. *Rev. ed.* London, 1966. 113 p. SB139.E4
Greenhouse culture of ornamentals and vegetables.
- 4351 TADIC, A. Electrification of rural settlements in Serbia. (Se) *Elektroprivreda* 18(11/12):219-236. Nov./Dec.1965. 335.8 EL294
English summary.

- 4352 VIRGINIA, POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Facts and ideas for Unit 1 members, 4-H electric project. Va. Polytech. Inst. Ext. Circ. 1018, 15 p. Apr. 1966. 275.29 V81C

Heating, Lighting, and Radiation

- 4353 ZIFFEL, M. Situation and outlook for the use of electric heating in German agriculture. (Ge) Elektrizitätsverwertung 41(8):227-230. Aug. 1966. 335.8 EL236

Power Plants, Motors and Engines on the Farm

- 4354 BECK, N. J. Hydraulic power and controls will perform remarkable tasks. Soc. Auto. Eng. SAE J. 74(9):73-75. Sept. 1966. 291.9 S01 In agricultural use.
- 4355 PIRAS, N. The small motor of thousand uses. (It) Trattorista 12(12):266-269. June 30, 1966. 56.8 T69
- 4356 SRNA, D. Construction of hydroelectric power plants in Yugoslavia during 1945-1965. (Se) Elektroprireda 19(1/2):3-12. Jan./Feb. 1966. 335.8 EL294 English summary.
- 4357 TRUXELL, C. W. More power and less weight—design for powerplant progress. Soc. Auto. Eng. SAE J. 74(9):66-70. Sept. 1966. 291.9 S01 Includes discussion of agricultural engines.

Telephones

- 4358 DIRECTORY of rural telephone systems. Coop. Dig. Farm Power 29(9):9-25. Mar. 1966. 280.28 C7896

Water Supply

- 4359 BENEDIKT, M. New economical water tower. (Hu) Magyar Mezogazdasag 21(28):12. July 13, 1966. 19 M27 Farm water supply.
- 4360 CRAMER, H., and JESCHKE, K. Situation of development of central watering places for cattle. (Ge) Feldwirtschaft 7(5):255-256. May 1966. 18 W763
- 4361 GOULD, G. T. A treatment plant for the rural water system. Public Works 97(10):102-104. Oct. 1966. 290.8 M922
- 4362 LAURITZEN, C. W., and THAYER, A. A. Rain traps for intercepting and storing water for livestock. U. S. D. A. Agr. Inform. Bull. 307, 10 p. Aug. 1966. 1 Ag84Ab Utah Agricultural Experiment Station, co-operating.
- 4363 LUGOVSKOI, M. V., USAKOVSKII, V. M., and BORODACHEV, P. D. Spravochnik po mekhanizatsii vodosnabzheniya zhivotnovodcheskikh farm [Manual on the mechanization of the water supply for the livestock farms]. Moskva, Rossel'khozizdat, 1966. 260 p. Ref. TD927.L6
- 4364 ROF CODINA, J. Importance of water in rural life. (Sp) Cult. Mod. 49(8):307-308. Aug. 1966. 15 C89

ENTOMOLOGY

GENERAL ENTOMOLOGY
(EXCEPT TAXONOMIC AND GEOGRAPHIC)

- 4365 ARNAUD, P. H. New names for *Chironomus sepultus* Meunier, 1912 and *C. sepultus* Meander, 1949 (non *Chironomus sepultus* Heer, 1849) (Diptera: Chironomidae). *Pan-Pacific Entomol.* 42(2):161-162. Apr. 1966. 421 P193 Fossil spp.
- 4366 BEI-BIENKO, G. Y. Main centres and principal advances of entomological research in Czechoslovakia. (Rus) *Entomol. Obozrenie* 45(2):465-474. 1966. 421 R322
- 4367 CHAMBLEES, O. L., and JONES, C. M. Cucurbitacins: specific insect attractants in Cucurbitaceae. *Science* 153(3742):1392-1393. Sept. 16, 1966. 470 Sci2
- 4368 CLOUDSLEY-THOMPSON, J. L. Animal conflict and adaptation. Chester Springs, Pennsylvania, Dufour Editions, 1965. 160 p. Ref. QL775.C5
Includes insects and the balance of nature.
- 4369 DAVIS, L. V., and GRAY, I. E. Zonal and seasonal distribution of insects in North Carolina salt marshes. *Ecol. Monogr.* 36(3):275-295, map. Ref. Summer 1966. 410 Ec72
- 4370 EISNER, T., and MENWALD, J. Defensive secretions of arthropods. *Science* 153(3742):1341-1350. Ref. Sept. 16, 1966. 470 Sci2
- 4371 ENTOMOLOGICAL SOCIETY OF NEW ZEALAND. Constitution [and] membership list. *New Zeal. Entomol.* 3(4):50-61. Dec. 1965. 421 N48
- 4372 FABER, W. Moisture chamber observation nests for secretive insects. (Ge) *Z. Angew. Zool.* 53(3):371-382. 1966. 449.8 Z36
- 4373 GEORGIEV, V. B. Relationship between cave organisms. (Bu) *Priroda [Sofia]* 14(5):34-36. Sept./Oct. 1965. 410 P934
Includes insects.
- 4374 GODAN, D. The origin of gall insects. (Ge) *Umschau* 66(8):262-263. Apr. 15, 1966. 474 Um7
- 4375 GUTTMAN, H. N. First defined media for *Leptomonas* spp. from insects. *J. Protozool.* 13(3):390-392. Ref. Aug. 1966. 439.8 J82
- 4376 HOCKS, P., and others. Synthetic steroids with moulting hormone activity. *Angew. Chem. Int. Edition Engl.* 5(7):673. July 1966. 384 Z331
A. Jager, U. Kerb, and R. Wiechert, joint authors.
Ecdysone homologues.
- 4377 HUGHES, P. R., HUNTER, R. E., and LEIGH, T. F. A light-weight leaf cage for small arthropods. *J. Econ. Entomol.* 59(4):1024-1025. Aug. 1966. 421 J822
- 4378 JUDD, W. W. Studies of the Byron Bog in southwestern Ontario. XXIII. Insects associated with flowering leatherleaf, *Chamaedaphne calyculata* (L.) Moench. *Amer. Microscop. Soc. Trans.* 85(2):302-305. Ref. Apr. 1966. 440.9 Am33
- 4379 KASY, F. Austrian entomological expedition to Persia and Afghanistan. Report on the expedition of 1963. (Ge) *Naturhist. Mus. Wien. Ann.* 68:653-666, map. 1964, pub. 1965. 410.9 V672
- KNOWLTON, G. F. An insect display box for 4-H entomology. *Utah. State Univ. Ext. Entomol. Mimeo Ser.* 108, 2 p. Sept. 1966. 275.29 UtiEn
- 4381 LANGER, H. Absorption spectrum of a single rhabdomere in insects eyes. (Ge) *Umschau* 66(9):296. May 1, 1966. 474 Um7
- 4382 MILES, P. M. Preservation of specimens in transparent cold-curing acrylic resin. *Entomol. Mon. Mag.* 101(121/1213):119-121. Apr./June 1965. 421 En86
Includes insects and plants.
- 4383 NEKRUTENKO, Y. P. Tertiary nymphalid butterflies and some phylogenetic aspects of systematic lepidopterology. *J. Res. Lepidoptera* 4(3):149-158. Ref. Sept. 1965. 421 J827
- 4384 PEARSON, R. The Arcto-Tertiary fauna. *Entomol. Mon. Mag.* 101(121/1213):92-93. Apr./June 1965. 421 En86
Fossil spiders mentioned.
- 4385 PHILLIPS, J. R., and YEARIAN, W. C. Rearing insects for research purposes. *Ark. Farm Res.* 15(3):10. May/June 1966. 100 Ar42F
- 4386 PIMENTEL, D. Population ecology of insect invaders of the Maritime Provinces. *Can. Entomol.* 98(8):887-894. Ref. Aug. 1966. 421 C16
- 4387 RICHARDS, W. R. Systematics of fossil aphids from Canadian amber (Homoptera: Aphididae). *Can. Entomol.* 98(7):746-760. Ref. July 1966. 421 C16
- 4388 SHATOURY, H. H. Micro-determination of insect blood volume. *Nature [London]* 211(5046):317-318. July 16, 1966. 472 N21
- 4389 SHEESLEY, R. Leadership training—special projects arouse interest of Fresno County 4-H'ers in entomology. *Ext. Serv. Rev.* 37(8):12-13. Aug. 1966. 1 Ex892Ex
Extension programs.
- 4390 TOWNES, H. Notes on three fossil genera of Ichneumonidae (Hymenoptera). *Entomol. Soc. Wash. Proc.* 68(2):132-135. June 1966. 420 W27
- 4391 TSENDSUREN, A. Entomological research in the Mongolian Peoples Republic. 8 p. Ref. (JPRS 20,688; OTS 63-31558) *Transl.* 15020
Translation from *Entomologicheskoe Obozrenie* 42(1):219-225. 1963. CFSTI: \$0.50.
- 4392 TUFTY, B. Insects speak in chemicals. *Sci. News Lett.* 90(15):271. Oct. 8, 1966. 470 Sci24
- 4393 WENZEL, G. Rearing hybrids. II. (Ge) *Entomol. Z.* 76(5):51-53. Mar. 1, 1966. 421 En85
Insects.
- 4394 WIECHERT, R., and others. Insect hormones. II-IV. Synthesis of ecdysone. (Ge) *Helv. Chim. Acta* 49(5):1591-1606. Ref. 1966. 385 H36
U. Kerb, P. Hocks, A. Furlenmeier, A. Furst, A. Langemann, G. Waldvogel, and G. Schulz, joint authors.
English summary.
- 4395 WIESE, L. Sex determination. (Ge) *Fortschr. Zool.* 18(1):139-206. 1966. 410 F77
Bibliography, p. 199-206.
Includes insects.
- 4396 WILKINSON, R. S. English entomological methods in the seventeenth and eighteenth centuries. *Entomol. Rec. J. Variation* 76(6):14. 151. Ref. June 1966. 421 En89
- 4397 WILLIAMS, J. H. Culture-jar modifications for sampling respiratory environments. *J. Econ. Entomol.* 59(4):1022. Aug. 1966. 421 J822
Used for rearing insects of stored products.
- 4398 ZOLOTAREV, E. KH., and ELIZAROV, YU. A. Chemoreception of insects and ticks. 14 p. Ref. (JPRS 23,925; TT 64-21930) *Transl.* 15175
Translation from *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 1:47-53. 1964. CFSTI: \$0.50.

Arachnida, Myriapoda, etc.

- 4399 ALLAN, P. B. M. The *Ignis fahus*. *Entomol. Rec. J. Variation* 78(4):104. Apr. 1966. 421 En89
Luminescence of *Geophilus electricus*.
- 4400 ANDERSON, J. F. The excreta of spiders. *Compar. Biochem. Physiol.* 17(3):973-982. Ref. Mar. 1966. 444.8 C73
- 4401 BALASHOV, YU. S. Mechanism of salivation and morphologic-histochemical peculiarities of salivary glands in ixodid ticks (*Acarina, Ixodidae*). (Rus) *Entomol. Obozrenie* 44(4):785-802. Ref. 1966. 421 R322
English summary.
Ixodes ricinus and *Hyalomma asiaticum*.
- 4402 BERTHET, P. L'activite des oribatides (Acari: Oribatei) d'une chenale (The activity of oribatids (Acari: Oribatei) in an oak forest). *Inst. Roy. Sci. Natur. Belg. Mem.* 152, 152 p. 1964. 504 B835
English summary.
Bibliography, p. 141-151.
Mobility, feeding habits, and metabolism and their effects on litter production.

- 4403 DZHAFAROV, T. E. An electron microscopic investigation of the secretory alveolas of salivary gland of the tick *Ornithodoros moubata* (Murray). (Rus) *Tsitologiya* 7(2):233-236. Ref. Mar./Apr. 1965. 442.8 T78
English summary.
- 4404 GABBUTT, P. D. An investigation of the silken chambers of the marine pseudoscorpion *Neobisium maritimum*. *J. Zool.* 149(3):337-343. July 1966. 410.9 L84P
- 4405 GRAHAM, O. H., and PRICE, M. A. Some morphological variations in *Boophilus annulatus microplus* (Acarina: Ixodidae) from northern Mexico. *Entomol. Soc. Amer. Ann.* 59(3):450-452, map. May 1966. 420 En82
- 4406 HITE, J. M., and others. Biology of the brown recluse spider [*Loxosceles reclusa*]. *Ark. Agr. Exp. Sta. Bull.* 711, 26 p. Ref. May 1966. 100 Ar42
W. J. Gladney, J. L. Lancaster, and W. H. Whitcomb, joint authors.
- 4407 HUGHES, R. N. Some observations of correcting behaviour in woodlice (*Porcellio scaber*). *Anim. Behav.* 14(2/3):319. Apr./July 1966. 410 B77
- 4408 KAISER, M. N. The subgenus *Persicargas* (Ixodoidea, Argasidae, Argas). 3. The life cycle of *A. (P.) arboreus*, and a standardized rearing method for argasid ticks. *Entomol. Soc. Amer. Ann.* 59(3):496-502. May 1966. 420 En82
- 4409 KAMBUROV, S. S. Methods of rearing and transporting predacious mites. *J. Econ. Entomol.* 59(4):875-877. Aug. 1966. 421 J822
Tetranychus cinnabarinus as prey in biological control tests.
- 4410 MADGE, D. S. Leaf fall and litter disappearance in a tropical forest. *Pedobiologia* 5(4):273-288. Ref. 1965. 56.8 P343
Includes the role of arthropods, chiefly *Oribatei* and *Collembola*, and earthworms in Nigeria.
- 4411 MUMA, M. H. Mating behaviour in the solpugid genus *Eremobates* Banks. *Anim. Behav.* 14(2/3):346-350. Ref. Apr./July 1966. 410 B77
Eremobates durangonus, *E. palpisulatus* and *E. nodularis*.
- 4412 OLIVER, J. H. Notes on reproductive behavior in the *Dermanyssidae* (Acarina: Mesostigmata). *J. Med. Entomol.* 3(1):29-35. Ref. Apr. 1966. 421 J828
- 4413 PETRISHCHEVA, P. A., and ZHMAEVA, Z. M. Natural enemies of field ticks. 5 p. (TT 64-15652) Transl. 15199
Birds.
Translation from *Zoologicheskii Zhurnal* 28(5):479-481. 1949.
Issued by CFSTI.
- 4414 POMERANTZEV, B. I., MATKASHVILI, N. V., and LOTOSKIL, E. V. An ecological and faunistic outline of Ixodidae ticks occurring in Transcaucasia. 29 p. Ref. (TT 64-15624) Transl. 15167
Translation from *Akademiya Nauk SSSR, Zoologicheskii Institut. Parazitologicheskii Sbornik* 7:100-133. 1940.
Issued by CFSTI.
- 4415 RAZUMOVA, I. V. Life span of a natural population of hungry adult ticks *Dermacentor pictus* Herm. (Rus) Med. Parazitol. Parazitran. *Bolezni* 35(3):293-299. Ref. May/June 1966. 448.8 M469
English summary.
- 4416 ROSHDY, M. A. Comparative internal morphology of subgenera of Argas ticks (Ixodoidea, Argasidae). 4. Subgenus *Oxademus*: Argas *brumpti* Neumann, 1907. *J. Parasitol.* 52(4):776-782. Ref. Aug. 1966. 448.8 J824
- 4417 SVIDERSKII, L. Gamasioidea, (Rus) *Zashch. Rast. Vred. Boleznei* 11:45. 1965. 421 Z1
Biology.
- 4418 TAGIL'TSEV, A. A. Peculiarities of ecology of gamasid mites taken from *Dryomys nitidula* Pallas in the environs of Alma-Ata. 10 p. Ref. (TT 64-15640) Transl. 15171
Translation from *Zoologicheskii Zhurnal* 41(5):666-674. 1962.
Issued by CFSTI.
- 4419 USMAKOVA, G. V. On the findings of *Hunterelus hookeri* How., parasites of Ixodid ticks in Kazakhstan. 3 p. (TT 64-15635) Transl. 15260
Translation from *Akademiya Nauk Kazakhskoi SSR, Institut Zoologii, Trudy* 16:183-185. 1962.
Issued by CFSTI.
- 4420 WIESER, W. Investigations on the nutrition and the total metabolism of *Porcellio scaber* (Crustacea: Isopoda). (Ge) *Pedobiologia* 5(4):304-331. Ref. 1965. 56.8 P343
English summary.
- 4421 WOODRING, J. P. Color phototactic responses of an eyeless oribatid mite. *Acarologia* 8(2):382-388. Ref. Apr. 1966. 434.8 Ac1
Scheelioribes parabilis.
Coleoptera
- 4422 ATKINS, M. D. Laboratory studies on the behaviour of the Douglas-fir beetle, *Dendroctonus pseudotsugae* Hopkins. *Can. Entomol.* 98(9):953-991. Ref. Sept. 1966. 421 C16
- 4423 BERRYMAN, A. A. Factors influencing oviposition, and the effect of temperature on development and survival of *Enoclerus lecontei* (Wolcott) eggs. *Can. Entomol.* 98(6):579-585. June 1966. 421 C16
- 4424 BERRYMAN, A. A. Studies on the behavior and development of *Enoclerus lecontei* (Wolcott), a predator of the western pine beetle [*Dendroctonus brevicornis*]. *Can. Entomol.* 98(5):519-526. Ref. May 1966. 421 C16
- 4425 BOUX, G. Chromosome types of five species of Carabidae (Coleoptera); a preliminary study of chromosome evolution in this family. (Fr) *Arch. Zool. Exp. Gen.* 106(4):671-692. Ref. 1965. 410 Ar24
English summary.
- 4426 CHEMSAK, J. A. Immature and mating behavior of *Neocompsa alacris* (Bates) (Coleoptera: Cerambycidae). *Pan-Pacific Entomol.* 42(2):98-101. Apr. 1966. 421 P193
- 4427 CHEVIN, H. Biological and ecological characteristics of *Timarcha normanna* Reiche (Coleoptera Chrysomelidae). (Fr) *Soc. Entomol. France. Bull.* 70(9/10):250-258. Nov./Dec. 1965. 420 F84B
- 4428 CONDRASSHOF, S. F. A description of the immature stages of *Steremnius carinatus* (Boheman) (Coleoptera: Curculionidae). *Can. Entomol.* 98(6):663-667. June 1966. 421 C16
- 4429 COTHMAN, W. R., and GYRISCO, G. G. Influence of cold storage on the viability of alfalfa weevil [*Hypera posticalis*] eggs and feeding ability of hatching larvae. *J. Econ. Entomol.* 59(4):1019-1020. Aug. 1966. 421 J822
- 4430 COTHMAN, W. R., and GYRISCO, G. G. A multi-photoperiod constant-temperature chamber. *J. Econ. Entomol.* 59(4):866-869. Aug. 1966. 421 J822
Designed for *Hypera postica* but useful for research on other insects.
- 4431 CRAM, W. T., and PEARSON, W. D. Fecundity of the black vine weevil, *Brachyrhinus sulcatus* (F.), fed on foliage of blueberry, cranberry and weeds from peat bogs. *Entomol. Soc. Brit. Columbia. Proc.* 62:25-27. 1965. 420 B77
- 4432 CRAM, W. T. A note on the acceptability of leaf macerates on filter paper of plants from peat bogs by adult black vine weevils, *Brachyrhinus sulcatus* (F.). *Entomol. Soc. Brit. Columbia. Proc.* 62:14-15. 1965. 420 B77
- 4433 CZARNOTA, H. The intestinal microflora of *Cetonia aurata* L. (Lamellicornia) larvae fed different diets. *Acta Microbiol. Polon.* 15(1):53-57. 1966. 448.3 Ac82
- 4434 DAWSON, P. S. Estimation of components of phenotypic variance for developmental rate in *Tribolium*. *Heredity* 20(3):403-417. Ref. Aug. 1965. 443.8 H42
Tribolium castaneum and *T. confusum*.
- 4435 DOANE, J. F. Absorption and content of water in eggs of *Ctenicera destructor* (Brown), *Ctenicera aripennisi* (Kirby) and *Hypolithus bicolor* Eschscholtz (Coleoptera: Elateridae). *Can. Entomol.* 98(5):482-486. May 1966. 421 C16

- 4436 DOYEN, J. T. The skeletal anatomy of *Tenebrio molitor* (Coleoptera: Tenebrionidae). Entomol. Soc. Amer. Misc. Publ. 5(3):103-150. Ref. Aug. 1966. 420 En82M
- 4437 DUCOFF, H. S., and BOSMA, G. C. The influence of pupal age on sensitivity to radiation. Biol. Bull. 130(2):151-156. Apr. 1966. 442.8 B52
Ultraviolet and X-ray study of *Tribolium confusum*.
- 4438 ERDMAN, H. E. Effects of dimethylsulfoxide on productivity of X-irradiated flour beetles. Biol. Bull. 130(2):157-169. Ref. Apr. 1966. 442.8 B52
Tribolium castaneum.
- 4439 EWERT, M. A., and CHIANG, H. C. Dispersal of three species of coccinellids in corn fields. Can. Entomol. 98(9):999-1003. Ref. Sept. 1966. 421 C16
Hippodamia convergens, *H. 13-punctata*, and *Coleomegilla maculata*.
- 4440 FARRIS, S. H. Repositories of symbiotic fungus in the ambrosia beetle *Monarthrum scutellare* Lec. (Coleoptera: Scolytidae). Entomol. Soc. Brit. Columbia. Proc. 62:30-33. Ref. 1965. 420 B77
- 4441 FREITAG, R. The female genitalia of four species of tiger beetles (Coleoptera: Cicindelidae). Can. Entomol. 98(9):942-952. Ref. Sept. 1966. 421 C16
- 4442 GAST, R. T. Control of four diseases of laboratory-reared boll weevils [*Anthonomus grandis*]. J. Econ. Entomol. 59(4):793-797. Aug. 1966. 421 J822
- 4443 GEORGIEV, V. Light-hating insects, living fossils of Bulgarian fauna. [By Priroda [Sofia] 14(1):60-81. Jan. Feb. 1965. 410 P934
Phegomisets, Carabidae, cave fauna.
- 4444 GRESSITT, J. L. Epizocial symbiosis: cryptogamic plants growing on various weevils and on a colydiid beetle in New Guinea. Pacific Insects 8(1):294-297. May 10, 1966. 421 P11
Dryopteris phytophorus.
- 4445 EL-HARIRI, G. Records of nematode parasites of *Adalia bipunctata* (L.) (Cole., Coccinellidae). Entomol. Mon. Mag. 101(1211/1213):132. Apr./June 1965. 421 En86
- 4446 HARWALKAR, M. R., and ALI, M. H. Structure of the thorax and its appendages of *Raphidopalpa foveicollis* Lucas, the red pumpkin beetle (Galerucinae: Chrysomelidae). Bull. Entomol. 7:34-42. Ref. Jan. 1966. 421 B872
Includes wings and legs.
- 4447 HUNG, J. H. Study on the life history of the southern cowpea weevil, *Callosobruchus quadrimaculatus* Fabr. (Ch) Acta Phytomyologica Sinica 4(3):249-254. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:3. Mar. 3, 1966. [JPRS 34,392; TT 66-30832] 241.7 Un34C
- 4448 ILAN, J., ILAN, J., and QUASTEL, J. H. Effects of actinomycin D on nucleic acid metabolism and protein biosynthesis during metamorphosis of *Tenebrio molitor* L. Biochem. J. 100(2):441-447. Ref. Aug. 1966. 382 B52
- 4449 ILAN, J., and QUASTEL, J. H. Effects of colchicine on nucleic acid metabolism during metamorphosis of *Tenebrio molitor* L. and in some mammalian tissues. Biochem. J. 100(2):448-457. Ref. Aug. 1966. 382 B52
- 4450 IPERTI, G. Natural behavior of the aphidophagous Coccinellidae from southeastern part of France, their specific type and their predatory action on *Aphis fabae* L. (Fr) Entomophaga 11(2):203-210. 1966. 421 En835
English summary.
- 4451 KINCAID, T. A problematic sense-organ found upon the maxillae of intertidal staphylinid beetles. Amer. Microscop. Soc. Trans. 85(2):275-278. Apr. 1966. 440.9 Am33
Thinusa maritima and *Pontomatola luctuosa*.
- 4452 LAGOUTTE, S. Squelette et musculature céphaliques de la larve de *Cantharis rustica* Fall. (Col. Cantharidae) [Skeleton and cephalic muscles of the larvae of *Cantharis rustica* Fall. (Col. Cantharidae). Dijon. Univ. Lab. Zool. Trav. 70,29 p. Ref. 1966. 410.9 D56
- 4453 LARA E. F., and SHENEFELT, R. D. *Colobothra distincta* (Coleoptera: Cerambycidae) on cacao: notes on its morphology and biology. Entomol. Soc. Amer. Ann. 59(3):453-458. May 1966. 420 En82
Costa Rica.
- 4454 LIKVENTOV, A. V. Daily and seasonal changes in the temperature preferences of the beetle *Pseudophonus pubescens* Mull. 13 p. (OTS 63-24357) Transl. 15271
Translation from Entomologicheskoe Obozrenie 30(3/4):208-215. 1949.
Issued by CFSTI.
- 4455 LOSCHIAVO, S. R., and SINHA, R. N. Feeding, oviposition, and aggregation by the rusty grain beetle, *Cryptolestes ferrugineus* (Coleoptera: Cucujidae) on seed-borne fungi. Entomol. Soc. Amer. Ann. 59(3):578-585. Ref. May 1966. 420 En82
25 spp. of fungi isolated from stored wheat in Canada.
- 4456 LUCA, Y. DE. Study of the imaginal morphology and remarks concerning *Bruchidius baudoni* Caillol (Col., Bruchidae). (Fr) Inst. Franc. Afr. Noire. Bull. Ser. A, Sci. Natur. 27(2):727-738. Ref. Apr. 1965. 515 D14
- 4457 MAJUMDER, S. K., and BANO, A. Reversion of the toxicity of tricalcium phosphate to insects by trehalose. Nature [London] 210(5040):1052-1053. June 4, 1966. 472 N21
In *Tribolium castaneum*, *Ephestia cautella*, and *Corcyra cephalonica*.
- 4458 MAMPE, C. D., and NEUNZIG, H. H. Function of the stridulating organs of *Conotrachelus nenuphar* (Coleoptera: Curculionidae). Entomol. Soc. Amer. Ann. 59(3):614-615. May 1966. 420 En82
- 4459 MASSEY, C. L. The nematode parasites and associates of *Dendroctonus adjunctus* (Coleoptera: Scolytidae) in New Mexico. Entomol. Soc. Amer. Ann. 59(3):424-440. Ref. May 1966. 420 En82
- 4460 MATESOVA, G. YA. Beetles of the genus *Brachytarsus* (Coleoptera, Anthribidae), enemies of soft scales (Homoptera, Coccoidea) in eastern Kazakhstan. (Rus) Entomol. Obozrenie 45(2):258-260, map. 1966. 421 R322
Brachytarsus nebulosus and *B. scapularis*.
- 4461 MAY, B. M. A note on the feeding habit of *Lepirina farinosa* Sharp (Col. Trogossitidae). New Zeal. Entomol. 3(4):22. Dec. 1965. 421 N48
Found inhabiting tunnels in *Metrosideros excelsa* containing populations of *Aldonus hylobioides*.
- 4462 MEDVEDEV, G. S. Adaptation types in structure of desert darkling beetle legs (Coleoptera, Tenebrionidae). (Rus) Entomol. Obozrenie 44(4):803-826. 1966. 421 R322
- 4463 MITCHELL, E. R., and others. Winter mortality of boll weevils [*Anthonomus grandis*] in cotton bolls in South Carolina. J. Econ. Entomol. 59(4):1027-1028. Aug. 1966. 421 J822
A. R. Hopkins, J. T. Walker, and W. James, joint authors.
- 4464 MORRIS, M. G. Weevils (Col., Curculionidae) collected from some important ecological sites in Shropshire. Entomol. Mon. Mag. 101(1211/1213):125-131. Apr./June 1965. 421 En86
- 4465 NIJHOLT, W. W. Moisture and fat content in the ambrosia beetle *Trypodendron lineatum* (Oliv.). Entomol. Soc. Brit. Columbia. Proc. 62:16-18. 1965. 420 B77
Includes weight.
- 4466 PANT, N. C., and DANG, K. Quantitative requirements of vitamins of B complex for the growth and development of larvae of *Tribolium castaneum* Hbst. Indian J. Entomol. 27(3):315-322. Ref. Sept. 1965. 420 In23
- 4467 PARROTT, W. L., MAXWELL, F. G., and JENKINS, J. N. Feeding and oviposition of the boll weevil, *Anthonomus grandis* (Coleoptera: Curculionidae), on the Rose-of-Sharon [*Hibiscus syriacus*], an alternate host. Entomol. Soc. Amer. Ann. 59(3):547-550. May 1966. 420 En82

- 4468 PILLERI, C. Particular movements in the mating relations of *Anisoplia tempestiva* Erichson (Coleoptera, Scarabaeidae, Rutelini). (Ge) Schweiz. Entomol. Ges. Mitt. 38(3/4): 223-226. Mar.15,1966. 420 Sw6
- 4469 PRISTAVKO, V. P. Contributions to the knowledge of the microflora of the larvae of Colorado beetle *Leptinotarsa decemlineata* Say (Coleoptera, Chrysomelidae). (Rus) Entomol. Obozrenie 45(2):302-315. Ref. 1966. 421 R322 English summary.
- 4470 PUCHKOVA, L. V. Morphology of abdomen in pupae of certain groups of beetles (Coleoptera). (Rus) Entomol. Obozrenie 45(2):341-353. Ref. 1966. 421 R322
- 4471 READ, D. B. The field recognition of the larvae of three common aphid-feeding coccinellids. New Zeal. Entomol. 3(4):14-17. Dec. 1965. 421 N48
Coccinella undecimpunctata, C. tasmanii, and *Adalia bipunctata*.
- 4472 SCHMIDT, G. H., RENNER, K., and GERNERT, W. The Coleoptera fauna of the Bavarian Forest with investigation on their spatial distribution. (Ge) Zool. Anz. 176(5):327-348, map. Ref. May 1966. 410 27
- 4473 SHANDS, W. A., SHANDS, M. K., and SIMPSON, G. W. Techniques for mass-producing *Coccinella septempunctata*. J. Econ. Entomol. 59(4):1022-1023. Aug.1966. 421 J822
- 4474 SHEPHERD, R. F. Factors influencing the orientation and rates of activity of *Dendroctonus ponderosae* Hopkins (Coleoptera: Scolytidae). Can. Entomol. 98(5):507-518. Ref. May 1966. 421 C16
- 4475 SLIWINSKI, K. E. The intestinal microflora of *Oryctes nasicornis* L. larvae. Acta Microbiol. Polon. 15(1):59-65. 1966. 448.3 Ac82
- 4476 SMITH, B. C. Variation in weight, size, and sex ratio of coccinellid adults (Coleoptera: Coccinellidae). Can. Entomol. 98(6):639-644. June 1966. 421 C16
- 4477 STRAND, A. Coleoptera from the tunnels of water rat (*Arvicola terrestris* L.). (No) Norsk Entomol. Tidsskr. 13(1/2):78-81. 1965. 421 N812
German summary.
- 4478 THATCHER, R. C., and PICKARD, L. S. The clerid beetle, *Thanasimus dubius*, as a predator of the southern pine beetle [*Dendroctonus frontalis*]. J. Econ. Entomol. 59(4):955-957. Aug.1966. 421 J822
- 4479 THUILLIER, A., CHARARAS, C., and COURTOIS, J. E. Isolation of *Candida brumptii* from the mycetocytes of *Hyllobius abietis* L. larvae (Curculionidae, Xylophaga). Study of its oxidases. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2757-2759. June 27,1966. 505 P21
- 4480 WAHRMAN, J. A carabid beetle [*Graphipterus serrator*] with only eight chromosomes. Heredity 21(1):154-159. Ref. Feb.1966. 443.8 H42
- 4481 WHITE, E. B., and LEGNER, E. F. Notes on the life history of *Aleochara taeniata*, a staphylinid parasite of the house fly, *Musca domestica*. Entomol. Soc. Amer. Ann. 59(3): 573-577. May 1966. 420 En82
- Diptera
- 4482 BAHRMANN, R. The hypopygium of the *Dolichopus* Latreille with special consideration of the musculature and torsion (Diptera, Dolichopodidae). (Ge) Beitr. Entomol. 16(1/2):61-72. Ref. 1966. 421 B392
English summary.
- 4483 BEEDHAM, G. E. A chironomid (Dipt.) larva associated with the lamelliibranchiate mollusc, *Anodonta cygnea* L. Entomol. Mon. Mag. 101(121/1213):142-143. Ref. Apr./June 1965. 421 En86
Possibly *Glyptotendipes paripes* Edwards.
- 4484 BERREUR, P. Experimental study on the effects of the molting hormone on the development of nucleic acids during metamorphosis of *Calliphora erythrocephala* Meig., Insecta, Diptera. (Fr) Arch. Zool. Exp. Gen. 106(4):534-624. 1965. 410 Ar24
English summary.
Bibliography, p.614-620.
- 4485 BOLLER, E. A. Contribution to the study of oviposition and fertility of the cherry fruit fly *Rhagoletis cerasi* L. Preliminary report. (Ge) Schweiz. Entomol. Ges. Mitt. 38(3/4):193-202. Mar.15,1966. 420 Sw6
English summary.
- 4486 BRATENBERG, V. Unsymmetrical projection of the retinula cells on the lamina ganglionaris in the fly *Musca domestica*. (Ge) Z. Vergleichende Physiol. 52(2):212-214. 1966. 444.8 Z3
- 4487 BREV, K. A., and KARAZEEVA, Z. F. Materials on biology of *Oedemagena tarandi* L. Observations on periods of embryonic development and habits of first-instar larvae. 6 p. (Tr 63-23595) Transl. 15154
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Otdel Parazitologii 14: 95-102. 1952.
Issued by CFSTI.
- 4488 BRIDGES, R. G., and RICKETTS, J. Formation of a phosphonolipid by larvae of the housefly, *Musca domestica*. Nature [London] 211(5045): 199-200. Ref. July 9,1966. 472 N21
- 4489 CHVALA, M. A new species of the genus *Tachydromia* Meigen from Europe (Diptera: Empididae). Beitr. Entomol. 15(7/8):787-790. 1965. 421 B392
Tachydromia collini n. sp.
- 4490 DEEMING, J. C., and KNUTSON, L. V. Ecological notes on some Sphaeroceridae reared from snails, and a description of the puparium of *Copromyza* (Apterina) pedestris Meigen (Diptera). Entomol. Soc. Wash. Proc. 58(2): 108-112. June 1966. 420 W27
- 4491 ELDRIDGE, M. The suspensory muscles in a tipulid larva, *Tipula abdominalis* (Diptera, Tipulidae). Ohio J. Sci. 66(2):209-219. Ref. Mar.1966. 410 Oh3
- 4492 ELLIOTT, G. F. Low-angle X-ray diffraction patterns from insect flight muscle. J. Mol. Biol. 13(3):956-958. Ref. Oct.1965. 442.8 J8224
Calliphora.
- 4493 FLETCHER, L. W. Two genetic markers for larvae of the screw-worm [*Cochliomyia hominivorax*] fly. J. Econ. Entomol. 59(4):877-880. Ref. Aug.1966. 421 J822
- 4494 HILSENHOFF, W. L. The biology of *Chironomus plumosus* (Diptera: Chironomidae) in Lake Winnebago, Wisconsin. Entomol. Soc. Amer. Ann. 59(3):465-473. May 1966. 420 En82
- 4495 JONES, A. W. Some uncommon Syrphidae (Diptera) in Sussex. Entomol. Rec. J. Variation 78(5):134-135. May 1966. 421 En89
- 4496 KELLEY, D. W. Ecological studies of the Sacramento-San Joaquin Estuary I. Calif. Dep. Fish Game. Fish Bull. 133,133 p.,map. Ref. 1966. 414.9 C12F
Includes Tendipedidae.
- 4497 KULP, L. A. New host record for *Phytomyza ilicicola* (Diptera: Agromyzidae) and an associated wing-vein abnormality. Entomol. Soc. Amer. Ann. 59(3):614. May 1966. 420 En82
Varieties and hybrids of *Ilex opaca*.
- 4498 LE BERRE, J. R., and STAVRAKIS, G. Physiological study of the development of *Hydrellia griscola* Fall. (Diptera, Ephydriidae); biochemical evolution of larvae and pupae. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):136-139. July 11,1966. 505 P21
- 4499 LEGNER, E. F. Parasites of the house fly and other fifth-breeding Diptera in southern California. J. Econ. Entomol. 59(4):999-1001. Ref. Aug.1966. 421 J822
- 4500 LILLEHAMMER, A. Black flies (Diptera, Simuliidae): their biology in relation to the study of larval populations in the Sarpsborg district. (No) Norsk Entomol. Tidsskr. 13(1/2):119-124, map. 1965. 421 N812
English summary.

- 4501 LUCAS, F., and LEVENBOOK, L. The isolation of L(-)-methionine sulphoxide from the blowfly *Phormia regina* Meigen. *Biochem. J.* 100(2):473-478. Ref. Aug. 1966. 382 B52
- 4502 MANSFIELD, E. H., and HARRIS, G. Z. Kinetic theory of flies. *New Sci.* 31(513):628. Sept. 15, 1966. 472 N42
- 4503 MORGAN, N. O. Laboratory propagation of the horn fly [*Haematobia irritans*]. *J. Econ. Entomol.* 59(4):1030. Aug. 1966. 421 J822
- 4504 MORGAN, N. O., and SCHMIDT, C. D. Variations in the color of eggs of the horn fly [*Haematobia irritans*]. *J. Econ. Entomol.* 59(4):882-884. Aug. 1966. 421 J822
- 4505 MOSER, J. G. Purification and characterization of a proteinase of the larvae of *Calliphora erythrocephala* Meigen. (Ge) *Biochem. Z.* 344(4):337-352. Ref. 1966. 384 B522
- 4506 MURVOSH, C. M., and THAGGARD, C. W. Ecological studies of the house fly. *Entomol. Soc. Amer. Ann.* 59(3):533-547, map. Ref. May 1966. 420 En82
On the Island of Mayaguana in the Bahamas.
- 4507 NACHTIGALL, W. Kinematics of wing stroke movements of Diptera; methodical and analytical foundations for the biophysics of insect flight. (Ge) *Z. Vergleichende Physiol.* 52(2):155-211. Ref. 1966. 444.8 Z3
- 4508 NATON, E. Prerequisites for a laboratory rearing of the true carrot fly *Psila rosae* Fabr. (Ge) *Anz. Schädlingkunde* 39(6):85-89. June 1966. 421 An9
English summary.
- 4509 NEILSON, W. T. A., and WOOD, F. A. Natural source of food of the apple maggot [*Rhagoletis pomonella*]. *J. Econ. Entomol.* 59(4):997-998. Aug. 1966. 421 J822
- 4510 NIKOLOVA, V., and NATSKOVA, V. March flies, Bibionidae (Diptera, Nematocera) harmful and beneficial to farming. (Bu) *Priroda* [Sofia] 14(5):87-89. Sept./Oct. 1965. 410 P934
Chiefly biology.
- 4511 PARMENTER, L. The Sciomyzidae (Diptera) in Britain. *Entomol. Rec. J. Variation* 78(5):125-128. May 1966. 421 En89
- 4512 PARRISH, D. W., and BICKLEY, W. E. The effect of temperature on fecundity and longevity of the black blow fly, *Phormia regina*. *J. Econ. Entomol.* 59(4):804-808. Ref. Aug. 1966. 421 J822
- 4513 PRASAD, S. N., and GROVER, P. Structure & development of the female reproductive system of *Bimba toombii* Grover (Cecidomyiidae: Diptera). *Marcellia* 32(3):181-203. Ref. Sept. 1965. 421 M33
- 4514 PRIORE, R., and VIGGIANI, G. *Contarinia sorghicola* Coq. (Diptera Cecidomyiidae) and its parasites in Italy. (It) *Portici. Lab. Entomol. Agr. "Filippo Silvestri."* Boll. 23:1-36. Ref. 1965. 420 P82B
English summary.
Chalcidoidea.
- 4515 ROBACK, S. S. The immature stages of *Stictochironomus annulicrus* (Townes) (Diptera, Tendipedidae). *Entomol. News* [Philadelphia] 77(6):169-173. June 1966. 421 En88
- 4516 ROSABAL, R., and TREJOS, A. The genus *Phlebotomus* of El Salvador (Diptera, Psychodidae). II. Observations on its biology with special reference to the *Phlebotomus longipalpis*. (Sp) *Rev. Biol. Trop.* 13(2):219-228. Ref. Dec. 1965. 442.8 R328
English summary.
- 4517 SAVCHENKO, E. N. Distribution, ecology and preimaginal phases of the crane fly *Tipula* (*Mediotipula*) *biden* Berg. (Diptera, Tipulidae). (Rus) *Entomol. Obozrenie* 45(2):286-293. Ref. 1966. 421 R322
English summary.
- 4518 SCHARF, W. C. *Ornithoica vicina* (Diptera: Hippoboscidae) a new host record from the marsh hawk. *Auk* 83(3):471. July 1966. 413.8 Au4
- 4519 SMITH, K. G. V. The larva of *Theophora occidensis*, with comments upon the biology of Conopidae (Diptera). *J. Zool.* 149(3):263-276. Ref. July 1966. 410.9 L84P
Parasite chiefly of bees.
- 4520 SPISHAKOFF, L. M. Laboratory rearing of *Anastrepha serpentina*. *J. Econ. Entomol.* 59(4):1010-1011. Aug. 1966. 421 J822
Fruit pest in Mexico.
- 4521 STEGMAIER, C. E. Host plants and parasites of *Liriomyza munda* in Florida (Diptera: Agromyzidae). *Fla. Entomol.* 49(2):119-122. June 1966. 420 F662
- 4522 STEGMAIER, C. E. Host plants and parasites of *Liriomyza schmidtii* in Florida (Diptera: Agromyzidae). *Fla. Entomol.* 49(2):119-122. June 1966. 420 F662
- 4523 STEGMAIER, C. E. Host plants and parasites of *Liriomyza trifolii* in Florida (Diptera: Agromyzidae). *Fla. Entomol.* 49(2):75-80. June 1966. 420 F662
- 4524 ZAKHAROVA, N. F. Reproductive biology of grey synanthropic flesh flies (Diptera, Sarcophagidae). (Rus) *Entomol. Obozrenie* 45(2):294-301. Ref. 1966. 421 R322
English summary.

Culicidae

- 4525 DENISOVA, Z. M. On the comparative ecology of blood-sucking dipterans. I. Double significance of the crop in the water balance of mosquitoes. 12 p. Ref. (TT 63-23175)
Transl. 15275
Translation from *Zoologicheskii Zhurnal* 22(4):214-221. 1943.
Issued by CFSTI.
- 4526 FRIZZI, G., and LECIS, A. The effect of thallium acetate on spermatogenesis of *Anopheles maculipennis atroparvus*. (It) *Riv. Biol.* 58(4):271-278. Oct./Dec. 1965. 442.8 R52
Text also in English, p. 279-284.
- 4527 GRACE, T. D. C. Establishment of a line of mosquito (*Aedes aegypti* L.) cells grown in vitro. *Nature* [London] 211(5047):366-367. Ref. July 23, 1966. 472 N21
- 4528 HODAPP, C. J., HILLIS, W. D., and DAHL, E. V. Isolation of two arboviruses from *Aedes taeniorhynchus* Wiedemann. *J. Med. Entomol.* 3(1):44-45. Apr. 1966. 421 J828
- 4529 JAMES, H. G. Insect predators of univoltine mosquitoes in woodland pools of the Pre-Cambrian shield in Ontario. *Can. Entomol.* 98(5):550-555. May 1966. 421 C16
Aedes communis, *A. stimulans*, and *A. trichurus*, tagged with radioactive phosphorus, ingested by *Dytiscidae* the leading predators.
- 4530 KHAN, A. A., and MAIBACH, H. I. Quantitation of effect of several stimuli on landing and probing by *Aedes aegypti*. *J. Econ. Entomol.* 59(4):902-905. Aug. 1966. 421 J822
Heat, water vapor, and carbon dioxide.
- 4531 KLEWER, J. W., and others. Sex pheromones and mating behavior of *Culiseta inornata* (Diptera: Culicidae). *Entomol. Soc. Amer. Ann.* 59(3):530-533. Ref. May 1966. 420 En82
T. Miura, R. C. Husbands, and C. H. Hurst, joint authors.
- 4532 KUHLLHORN, F. The staying behavior of the females of *Anopheles messeae* and *A. claviger* Meig. (Diptera, Culicidae) in cattle sheds. (Ge) *Z. Angew. Zool.* 53(2):197-213. Ref. 1966. 449.8 Z36
English summary.
- 4533 LINAM, J. H., and NIELSEN, L. T. Notes on the distribution, ecology and overwintering habits of *Culex apicalis* Adams in Utah (Diptera: Culicidae). *Entomol. Soc. Wash. Proc.* 68(2):136-138. June 1966. 420 W27
- 4534 PALICKA, P. Variation in coloring of head capsules in fourth-instar larvae of the *Anopheles maculipennis* (Diptera) group. (Ge) *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 62(5):409-410. Sept. 20, 1965. 420 C33
- 4535 PILLAI, J. S. Notes on mosquitoes of New Zealand. I. *Maorigeldia argyropus* Walker (Diptera, Culicidae, Sabethini). *New Zeal. Entomol.* 3(4):25-35, map. Dec. 1965. 421 N48
Ecology and development.

- 4536 REYNOLDS, D. G. Infection of *Culex fatigans* with a microsporidian [*Platophora culicis*]. *Nature* [London] 210(5039):967. May 28, 1966. 472 N21
- 4537 ROMOSER, W. S., and VENARD, C. E. The development of the ventral oesophageal diverticulum in *Aedes triseriatus* (Diptera: Culicidae). *Entomol. Soc. Amer. Ann.* 59(3):484-489. Ref. May 1966. 420 En82
- Drosophila*
- 4538 BERENDES, H. D. Gene activities in the Malpighian tubules of *Drosophila hydei* at different developmental stages. *J. Exp. Zool.* 162(2):209-217. July 1966. 410 J825
- 4539 CARLSON, J. H. Genetics of an L_2 venation mutant in *Drosophila melanogaster*. I. Mode of inheritance and expression. *Ohio J. Sci.* 66(3):340-346. May 1966. 410 Oh3
- 4540 CHEN, P. S., HANDMANN, F., and ROEDERGUANELLA, C. Phosphate ester of amino acid serine and tyrosine, as well as ethanol amines in *Drosophila melanogaster*. (Ge) *Rev. Suisse Zool.* 73(2):219-228. Ref. May 1966. 410 R324 English summary.
- 4541 DRUGER, M. Stability of chromosomal polymorphism in populations of *Drosophila pseudoobscura*. *Heredity* 21(2):317-321. Ref. May 1966. 443.8 H42
- 4542 EHRMAN, L. Mating success and genotype frequency in *Drosophila*. *Anim. Behav.* 14(2/3):332-339. Ref. Apr./July 1966. 410 B77 *Drosophila pseudoobscura* and *D. paulistorum*.
- 4543 GLOOR, H., and KOBEL, H. R. Antennapedia (ss-and), a homeotic mutant in *Drosophila hydei* Sturtevant. (Ge) *Rev. Suisse Zool.* 73(2):229-252. Ref. May 1966. 410 R324 English summary.
- 4544 GOLDIN, H. H., and FARNSWORTH, M. W. Low temperature spectra of the cytochromes of *Drosophila melanogaster*. *J. Biol. Chem.* 241(15):3590-3594. Ref. Aug. 10, 1966. 381 J824
- 4545 GREGG, T. G., and DAY, J. W. Nondisjunction of the X chromosomes in females of *Drosophila hydei*. *Genetica* 36(2):172-182. Ref. 1965. 442.8 G282
- 4546 HADORN, E. Change in the pattern determining qualities in a blastema culture of *Drosophila melanogaster*. (Ge) *Rev. Suisse Zool.* 73(2):253-265. Ref. May 1966. 410 R324 English summary.
- 4547 HASTINGS, J. R. B., and KIRBY, K. S. The nucleic acids of *Drosophila melanogaster*. *Biochem. J.* 100(2):532-539. Ref. Aug. 1966. 382 B52
- 4548 HOSGOOD, S. M. W., and PARSONS, P. A. Mating speed differences between Australian populations of *Drosophila melanogaster*. *Genetica* 36(3):260-266. Ref. 1965. 442.8 G282
- 4549 HUNTER, A. S. High-altitude *Drosophila* of Colombia (Diptera: Drosophilidae). *Entomol. Soc. Amer. Ann.* 59(3):413-423, map. Ref. May 1966. 420 En82
- 4550 JOHNSON, F. M., and others. Analysis of polymorphisms among isozyme loci in dark and light *Drosophila ananassae* strains from American and Western Samoa. *Nat. Acad. Sci. Proc.* 56(1):119-125. Ref. July 1966. 500 N21P C. G. Kanapi, R. H. Richardson, M. R. Wheeler, and W. S. Stone, joint authors.
- 4551 JUKES, T. H. Molecules and evolution. New York, Columbia University Press, 1966. 285 p. QH431.J8 Bibliography, p.267-282. Includes *Drosophila melanogaster* and other insects.
- 4552 KAUL, D., and PARSONS, P. A. The genotypic control of mating speed and duration of copulation in *Drosophila pseudoobscura*. *Heredity* 20(3):381-392. Ref. Aug. 1965. 443.8 H42
- 4553 LINTS, F. A., and LINTS, C. Y. Depression, heterosis and carry-over effects after many generations of inbreeding with *Drosophila melanogaster*. *Genetica* 36(2):183-207. Ref. 1965. 442.8 G282
- 4554 LYCHEV, V. A. A study of activity of chromosomes with continuous inbreeding in *Drosophila melanogaster*. (Rus) *Tsitologiya* 7(3):325-333. Ref. May/June 1965. 442.8 T78 English summary.
- 4555 MAMPELL, K. Gene expression and developmental rate. *Genetica* 36(2):135-146. 1965. 442.8 G282 *Drosophila melanogaster*.
- 4556 MCBRIDE, G., and JAMES, J. W. Effects of inbreeding and bristle number on reproductive success in selected lines of *Drosophila melanogaster*. *Heredity* 20(3):474-480. Ref. Aug. 1965. 443.8 H42
- 4557 NARDA, R. D. Analysis of the stimuli involved in courtship and mating in *Drosophila malerkotliana* (Sophophora, *Drosophila*). *Anim. Behav.* 14(2/3):378-383. Ref. Apr./July 1966. 410 B77
- 4558 NARISE, S., and HUBBY, J. L. Purification of esterase-5 from *Drosophila pseudoobscura*. *Biochim. Biophys. Acta* 122(2):281-288. Ref. Aug. 10, 1966. 381 B522
- 4559 PARSONS, P. A., and KAUL, D. Mating speed and duration of copulation in *Drosophila pseudoobscura*. *Heredity* 21(2):219-225. Ref. May 1966. 443.8 H42
- 4560 PELECANOS, M. Induction of cross-overs, autosomal recessive lethal mutations, and reciprocal translocations in *Drosophila* after treatment with diethyl sulphate. *Nature* [London] 210(5042):1294-1295. June 18, 1966. 472 N21
- 4561 PICTON, H. D. Some responses of *Drosophila* [*melanogaster*] to weak magnetic and electrostatic fields. *Nature* [London] 211(5046):303-304. July 16, 1966. 472 N21
- 4562 PLATOVA, T. P. The revealing of intermediate stages of protein synthesis in nuclei of *Drosophila melanogaster* salivary gland cells. (Rus) *Tsitologiya* 7(3):318-325. Ref. May/June 1965. 442.8 T78 English summary. Includes autoradiography and C¹⁴ studies.
- 4563 PLAUT, W., NASH, D., and FANNING, T. Ordered replication of DNA in polytene chromosomes of *Drosophila melanogaster*. *J. Mol. Biol.* 16(1):85-93. Ref. Mar. 1966. 442.8 J8224
- 4564 SCHNEIDER, I. Histology of larval eye-antennal disks and cephalic ganglia of *Drosophila melanogaster* cultured in vitro. *J. Embryol. Exp. Morphol.* 15(3):271-279. Ref. June 1966. 442.8 J829
- 4565 SHEPPARD, P. M., and FORD, E. B. Natural selection and the evolution of dominance. *Heredity* 21(1):139-147. Ref. Feb. 1966. 443.8 H42 *Drosophila* mentioned.
- 4566 SONDHI, K. C. Studies in aging. II. The effects of injecting hemolymph from younger and older donors on the fecundity and the adult life span of hosts in *Drosophila*. *J. Exp. Zool.* 162(1):69-97. Ref. June 1966. 410 J825
- 4567 SPIETH, H. T. *Drosophilid* mating behaviour: the behaviour of decapitated females. *Anim. Behav.* 14(2/3):226-235. Ref. Apr./July 1966. 410 B77
- 4568 STERN, C. Pigmentation mosaicism in intersexes of *Drosophila*. *Rev. Suisse Zool.* 73(2):339-355. Ref. May 1966. 410 R324
- 4569 THOMAS-ORILLARD, M. Hereditary transmission of numbers of ovarioles in *Drosophila melanogaster*. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(1):72-74. July 4, 1966. 505 P21
- Hemiptera (Heteroptera and Homoptera)
- 4570 BATISTA, A. C., and BEZERRA, J. L. Parasitism of *Colletotrichum gloeosporioides* Penz and other fungi on *Orethzia praelonga* Douglas. (Por) *Boletim* 35(1/2):67-74. 1966. 410 B79C English summary.
- 4571 BHARADWAJ, R. K., REDDY, D. V. R., and SINHA, R. C. A reinvestigation of the alimentary canal in the leafhopper *Agallia constricta* (Homoptera: Cicadellidae). *Entomol. Soc. Amer. Ann.* 59(3):616-617. May 1966. 420 En82

- 4572 BONNEMAISON, L. The combined effects of light and darkness with high and low temperatures on the production of sexupara of *Dysaphis plantaginea* Pass. (Homoptera, Aphididae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2): 177-179, July 11, 1966. 505 P21
- 4573 BONNEMAISON, L. Effect of 12 hourly variation of scotophases and of long photophases on the production of sexupara of *Dysaphis plantaginea* Pass. (Homoptera, Aphididae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(25):2609-2611, June 20, 1966. 505 P21
- 4574 BORKHSENIUS, N. S. Katalog shchitovok (Diaspidoidea) mirovoi fauny. A catalogue of the armoured scale insects (Diaspidoidea) of the world. Moskva, Nauka, 1966. 449 p. QL523.C7B6
- 4575 BUTLER, G. D., and JOHNSON, P. D. Life cycle studies on a rhodesgrass scale [*Antonia graminis*] parasite [*Neodustmetia sangwani*]. Ariz. Agr. Exp. Sta. Rep. 230:21-23, 1965. 100 Ar4M
- 4576 CHOUDHURI, D. K., DAS, K. K., and GHOSE, P. The structure and biochemical nature of the stink glands of *Chrysocoris stollii* Wolf (Heteroptera: Pentatomidae). Indian J. Entomol. 27 (3):341-345. Sept. 1965. 420 In23
- 4577 CLANCY, D. W., and PIERCE, H. D. Natural enemies of some Lygus bugs. J. Econ. Entomol. 59(4):853-858. Ref. Aug. 1966. 421 J822
- 4578 DUPUIS, C. Notes, remarks, and various observations on the Hemiptera. XII. Study of oligophagy in three bugs from junipers, and review of plant hosts of related Heteroptera. (Fr) Cah. Natur. (n.s.)21(4):105-122. Ref. 1965. 410 F432
- 4579 EBEL, B. H., and KORMANIK, P. Stictocaphala militaris, a membracid (Homoptera) associated with sweetgum, Liquidambar styraciflua. Entomol. Soc. Amer. Ann. 59(3):600-601, May 1966. 420 En82
- 4580 ESCHENBERG, K. M., and DUNLAP, H. L. The histology and histochemistry of oogenesis in the water strider, *Gerris remigis* Say. J. Morphol. 118(3):297-315. Ref. Mar. 1966. 444.8 J826
- 4581 HILL, A. R. The bionomics and ecology of *Anthocoris confusus* Reuter in Scotland. 1. The adult and egg production. Soc. Brit. Entomol. Trans. 16(11):245-256, Dec. 1965. 420 So15
- 4582 IBBOTSON, A. Aggregation in *Aphis fabae* Scop. II. Visual components. Anim. 14(2/3): 251-260. Ref. Apr./July 1966. 410 B77
- 4583 IOSIFOV, M. Biology, distribution and economic importance of true bugs [Heteroptera]. (Bu) Priroda [Sofia] 14(2):51-54. Mar./Apr. 1965. 410 P934
- 4584 LEES, A. D. Photoperiodic timing mechanisms in insects [Megoura viciae]. Nature [London] 210(5040):986-989. Ref. June 4, 1966. 472 N21
- 4585 MASNER, P. The structure, function and imaginal development of the female inner reproductive organs of *Adelphocoris lineolatus* (Goze), (Heteroptera, Miridae). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(3):177-199. Ref. May 20, 1966. 420 C33
- 4586 SAXENA, K. N., and GANDHI, J. R. A comparative study of the mode of action of glycosidases of the gut of certain hemipterous insects. Compar. Biochem. Physiol. 17(3):765-776. Ref. Mar. 1966. 444.8 C73
- 4587 SCHLAGBAUER, A. A new method of mass rearing of the red bug [*Pyrrhocoris apterus* Linnaeus (Heteroptera, Pyrrhocoridae)]. (Ge) Beitr. Entomol. 16(1/2):199-202. Ref. 1966. 421 B392
- 4588 SESHAN, K. R., and ITTYCHERIAH, P. I. Iphita limbata Stal., components of neurosecretory material. Science 153(3734):427-428. July 22, 1966. 470 Sci2
- 4589 SHAPOSHNIKOV, G. KH. The origin and the breakdown of reproductive isolation and the species criterion. (Rus) Entomol. Obozrenie 45(1):3-35. Ref. 1966. 421 R322
- English summary.
Adaptation of aphid *Dysaphis anthrisci* majkopa to the host plant of *Dysaphis chaerophyllina*.
- 4590 SLAMA, K., and WILLIAMS, C. M. The juvenile hormone. V. The sensitivity of the bug, *Pyrrhocoris apterus*, to a hormonally active factor in American paper-pulp. Biol. Bull. 130 (2):235-246. Ref. Apr. 1966. 442.8 B52
- English summary.
Rearing study.
- 4591 SRIVASTAVA, R. P., MATHUR, S. B., and SAHANI, M. L. An entomogenous fungus *Entomophthora* sp. (Entomophthoraceae, Entomophthorales) pathogenic on *Empoasca devastans* Distant (Jassidae: Hemiptera), a bhindi jassid. Indian J. Entomol. 27(3):367-368. Sept. 1965. 420 In23
- 4592 TEMPLADO, J. Biological data on *Lepidodaphne ulmi* L. (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(3):219-231, map. Ref. 1965. 442.9 So18
- English summary.
- 4593 TREMBLAY, E. Morphological, biological study of *Trioxa tremblayi* Wagner (Hemiptera-Homoptera, Psyllidae). (H) Portica. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23:37-136. Ref. 1965. 420 P82B
- English summary.
- 4594 VINOGRADOVA, N. M. Permanent habitats of Eurygaster integriceps Put. (Heteroptera, scutelleridae) on wild graminaceous vegetation. (Rus) Entomol. Obozrenie 44(4):728-737. 1966. 421 R322
- 4595 VOELKER, J. Aquatic bugs as obligatory snail feeders in the Nile Delta (Limnognathus fieberi Mayr, Belostomatidae, Hemiptera). (Ge) Z. Tropenmed. Parasitol. 17(2):155-165. July 1966. 448.8 Z37
- English summary.
- 4596 WILDE, W. H. A. Climbing night-shade [*Solanum dulcamara*] as a host of the pear psylla [*Psylla pyricola*] (Homoptera: Psyllidae). Can. Entomol. 98(5):558-559. May 1966. 421 C16
- 4597 WILLIAMS, C. M., and SLAMA, K. The juvenile hormone. VI. Effects of the "paper-factor" on the growth and metamorphosis of the bug, *Pyrrhocoris apterus*. Biol. Bull. 130(2):247-253. Apr. 1966. 442.8 B52
- Pulp substance.
- 4598 YUKAWA, J., and KIRITANI, K. Polymorphism in the southern green stink bug [*Nezara viridula*]. Pacific Insects 7(4):639-642. Dec. 30, 1965. 421 P11
- 4599 ZDAREK, J., and POSPISIL, J. On the visual orientation of *Aphis fabae* Scop. to coloured lights. Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):17-24. Ref. Jan. 20, 1966. 420 C33

Hymenoptera

(SEE ALSO APICULTURE AND APIS MELLIFERA)

- 4600 ADAM, H. The hemocytic defensive reaction of the blood of *Strongylogaster xanthoceros* (Stephens) and *Strongylogaster lineata* (Christ) against the endo-parasitic ichneumon fly *Mesoleius niger* (Gravenhorst) (Hymenoptera, Tenthredinidae and Ichneumonidae). (Ge) Beitr. Entomol. 15(7/8):893-965. Ref. 1965. 421 B392
- English summary.
- 4601 ATANASOV, N. Biology and distribution of *Pharaoh ant* (*Monomorium pharaonis* L.). (Hymenoptera, Formicidae) in Bulgaria. (Bu) Priroda [Sofia] 14(5):90-93. Sept./Oct. 1965. 410 P934
- 4602 BALDWIN, W. F., and CROSS, W. G. Effects of fast neutrons on eye colour mutations in *Dahlbominus*. Nature [London] 210(5043):1396-1397. June 25, 1966. 472 N21
- Dahlbominus fuscipennis*.

- 4603 BEIQUE, R., and FRANCOEUR, A. Formicidae, Hymenoptera of a black spruce Cladonia grove. (Fr) Natur. Can. 93(2):99-106. Ref. Mar./Apr.1966. 410 N216
English summary.
- 4604 BOHART, R. M., and HOLLAND, J. F. Nesting habits of *Enchenimur australe* Pate (Hymenoptera, Sphecidae, Crabroninae). Pan-Pacific Entomol. 42(2):161. Apr.1966. 421 P193
- 4605 BRACKEN, G. K. Role of ten dietary vitamins on fecundity of the parasitoid *Existeris comstockii* (Cresson) (Hymenoptera: Ichneumonidae). Can. Entomol. 98(9):918-922. Ref. Sept. 1966. 421 C16
- 4606 BURKS, B. D. The immature stages of *Axima zabriskiei* Howard (Hymenoptera, Eurytomidae). Entomol. News [Philadelphia] 77(7):199-202. July 1966. 421 En88
- 4607 CHACKO, M. J., and RAO, V. P. Centetars alternecoloratus Cushman? var., a pupal parasite of the graminaceous borers, *Chilo partellus* (Swinhoe) and *Chilo tratra auricilla* (Dugdeon). Entomophaga 11(3):297-303. 1966. 421 En835
- 4608 DAVIS, T. A. Nest-structure of a social wasp [*Ropalidia variegata*] varying with siting of leaves. Nature [London] 210(5039):966-967. May 28, 1966. 472 N21
On *Musa sapientum* and *Diospyros discolor*.
- 4609 FULCRAND, J. Contribution to the paralyzant behavior of *Podalonia hirsuta* Scopoli. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(25):2650-2652. June 20, 1966. 505 P21
Paralyzing Noctuidae larvae
- 4610 GERLING, D. Studies with whitefly parasites of Southern California. I. *Encarsia pergandiella* Howard (Hymenoptera: Aphelinidae). Can. Entomol. 98(7):707-724. Ref. July 1966. 421 C16
- 4611 HERON, R. J. The reproductive capacity of the larch sawfly [*Pristiphora erichsonii*] and some factors of concern in its measurement. Can. Entomol. 98(6):561-578. Ref. June 1966. 421 C16
Study of ovarian development.
- 4612 HOKYO, N., and KIRITANI, K. Oviposition behavior of two egg parasites, *Asolcus mitsukurii* Ashmead and *Telenomus nakagawai* Watanabe (Hymenoptera Proctotrupidae, Scelionidae). Entomophaga 11(2):191-201. Ref. 1966. 421 En835
- 4613 IVES, W. G. H., and NAIRN, L. D. Effects of water levels on the overwintering survival and emergence of the larch sawfly [*Pristiphora erichsonii*] in a bog habitat. Can. Entomol. 98(7):768-777. July 1966. 421 C16
- 4614 JANVIER, H. Observations on *Tiphia morio* F. (Hymenoptera, Tiphidae). (Fr) Cah. Natur. (n.s.) 21(4):123-131. 1965. 410 F432
Biology.
- 4615 KRAINSKA, M. Histochemical study of acid mucopolysaccharides in the oviduct gland of *Cynips folii*. Folia Histochem. Cytochem. 4(2):103-110. Ref. 1966. 385 F71
- 4616 LIEVIEUX, J. Description of some nests of ants of the Ivory Coast (Hymenoptera: Fr) Soc. Entomol. France. Bull. 70(9/10):259-266. Nov./Dec.1965. 420 F84B
- 4617 LEWIS, W. J., and BRAZZEL, J. R. Biological relationships between *Cardiochiles nigripes* and the *Heliothis* complex. J. Econ. Entomol. 59(4):820-823. Aug.1966. 421 J822
Heliothis zea and *H. virescens*.
- 4618 LÖKEN, A. A nest of *Vespula saxonica* (Fabr.) (Hymenoptera, Vespidae). Norsk Entomol. Tidsskr. 13(1/2):36-40. 1965. 421 N812
- 4619 MEDLER, J. T. Biology of eumenine wasps in trap-nests in Wisconsin (Hymenoptera: Vespidae). Entomol. Soc. Wash. Proc. 68(2):138-148. Ref. June 1966. 420 W27
- 4620 MEDLER, J. T. A note on *Hylaeus Fabricius* in trap-nests in Wisconsin (Hymenoptera: Colletidae). Entomol. Soc. Wash. Proc. 68(2):131. June 1966. 420 W27
- 4621 METALNIKOV, S., and CHORINE, V. The role played by the Hymenoptera in the infection of *Galleria mellonella*. I p. Transl. 16166
Dibrachys boissacanus.
Translation from Académie des Sciences. Comptes Rendus 182(11):729-730. Mar.15, 1926.
- 4622 PARKER, F. D., and BOHART, R. M. Host-parasite associations in some twig-nesting Hymenoptera from Western North America. Pan-Pacific Entomol. 42(2):91-98. Apr.1966. 421 P193
- 4623 PILON, J. G. Influence of temperature and relative humidity on the life-span of adults of the Swaine jack-pine sawfly, *Neodiprion swainei* Middleton (Hymenoptera: Diprionidae). Can. Entomol. 98(8):789-794. Aug.1966. 421 C16
- 4624 ROSEN, D., and ROSSLER, Y. Studies on an Israel strain of *Anagrus pseudococci* Girault (Hymenoptera, Encyrtidae). I. Morphology of the adults and developmental stages. Entomophaga 11(3):269-277. Ref. 1966. 421 En835
- 4625 SIMMONS, K. E. L. Anting and the problem of self-stimulation. J. Zool. 149(2):145-162. Ref. June 1966. 410.9 L84P
By birds.
- 4626 TKALCU, B. Revision of some Latreille's European species of the tribe Anthidini with the description of a new species (Hymenoptera; Apoidea, Megachilidae). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):62-66. Jan.20, 1966. 420 C33
Proanthidium tornense n. sp.
- 4627 TOROSSIAN, C. Specific biological effect of short wave infrared radiation on the fertility of queenless workers of ant, *Dolichoderus quadripunctatus*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):170-172. July 11, 1966. 505 P21
- 4628 WEBER, N. A. Fungus-growing ants [Atini]. Science 153(3736):587-604. map. Ref. Aug.5, 1966. 470 Sc12
- 4629 WILBERT, H. Variation in the size of *Aphelinus semiflavus* Howard (Hym., Aphelinidae) and its cause. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol., Pflanzenschutz 72(11/12):670-684. Ref. Nov./Dec.1965. 464.8 Z3
English summary.
Reared on aphid hosts.
- 4630 WILKINSON, A. T. S. *Anaetes rubecula* Marsh and other parasites of *Pieris rapae* in British Columbia. J. Econ. Entomol. 59(4):1012-1013. Aug.1966. 421 J822
- 4631 WYLLIE, H. G. Some mechanisms that affect the sex ratio of *Nasonia vitripennis* (Walk.) (Hymenoptera: Pteromalidae) reared from superparasitized housefly pupae. Can. Entomol. 98(6):645-653. Ref. June 1966. 421 C16

Lepidoptera

(SEE ALSO SERICULTURE AND THE SILKWORM)

- 4632 AGENJO, R. The morphology and geographic distribution in Spain of *Plebejus* (*Plebejus*) *argus* (L., 1758) (Lepidoptera, Lycaenidae). (Sp) Eos 41(2/3):163-179. map. 1965. pub. 1966. 421 Eo7
- 4633 BERNARDI, G. Interpretation of geographic polymorphism in *Pseudocraea lucretia* Cramer (Lep. Nymphalidae). (Fr) Inst. Franc. Air. Noire, Bull. Ser. A, Sci. Natur. 27(2):759-762. Apr. 1965. 515 D14
- 4634 BOVEY, P. The problem of orange forms of *Zygaea ophialtes* L. (Fr) Rev. Suisse Zool. 73(2):193-218. Ref. May 1966. 410 R324
English summary.
Genetical study.
- 4635 BUCKETT, J. S. The noctuid moth *Annaphila baueri* with notes on its habits. J. Res. Lepidoptera 4(3):185-189. Sept. 1965. 421 J827
Includes taxonomy.
- 4636 BUCKETT, J. S. A reevaluation of *Annaphila casta* (Noctuidae). J. Res. Lepidoptera 4(3):199-204. Ref. Sept. 1965. 421 J827
- 4637 BURNS, J. M. Expanding distribution and evolutionary potential of *Thymelicus lineola* (Lepidoptera: Hesperidae), an introduced skipper, with special reference to its appearance in British Columbia. Can. Entomol. 98(8):859-866. map. Ref. Aug. 1966. 421 C16
- 4638 BURNS, J. M. Preferential mating versus mimicry, disruptive selection and sex-limited dimorphism in *Papilio glaucus*. Science 153(3735):551-553. Ref. July 29, 1966. 470 Sc12

- 4639 BURTON, J. F. Report on monarch butterfly (*Danaus plexipus* L.) migration experiment, 1965. Entomol. Rec. J. Variation 78(6):156-157. June 1966. 421 En89
Reared and tagged in Canada and released in England.
- 4640 BURTON, R. L., and COX, H. C. An automated packaging machine for lepidopterous larvae. J. Econ. Entomol. 59(4):907-909. Aug. 1966. 421 J822
For rearing *Spodoptera frugiperda*.
- 4641 BUTTIKER, W. Observations on the migration of adult *Lobocraspis griseifusa* Hmps. (Noctuidae, Lepid.). Schweiz. Entomol. Ges. Mitt. 38 (3/4):218-222. Ref. Mar. 15, 1966. 420 Sw6
- 4642 CHALMERS-HUNT, J. M. Spanish chestnut [*Castanea sativa*] an apparently unrecorded natural pabulum of *Bucculatrix demaryella* Stt. (Lep. Lyonetiidae). Entomol. Rec. J. Variation 78(6):158. June 1966. 421 En89
- 4643 CLARK, G. C., and DICKSON, C. G. C. The life histories of two species of South African *Eurema*. J. Res. Lepidoptera 4(4):253-255. Dec. 1965. 421 J827
Eurema hecabe and *E. desjardinsii*.
- 4644 DAVIAULT, L., and DUCHARME, R. Life history and habits of the green spruce leaf miner, *Epinotia nanana* (Treitschke) (Lepidoptera: Tortricidae). Can. Entomol. 98(7):693-699. Ref. July 1966. 421 C16
- 4645 DROOZ, A. T. Color studies of reared elm spanworm [*Ennomos subsignarius*] larvae and pupae. Entomol. Soc. Amer. Ann. 59(3):568-573. Ref. May 1966. 420 En82
- 4646 EDWARDS, J. S. Entomogenous micro-organisms of *Prionopus reticularis* (White). New Zeal. Entomol. 3(4):21. Dec. 1965. 421 N48
Beauveria bassiana tentatively.
- 4647 EISNER, C. Parnassidae-Typen in der Sammlung J. C. Eisner [Parnassidae types in the J. C. Eisner collection. Leiden, Rijksmus. Natuur. Hist. Zool. Verhandl. 81, 190 p. June 15, 1966. 410.9 L59Z
- 4648 FAVARD, A. Rearing of *Parascotia nisseni* Trti from the egg (Noctuidae, Othreinae). (Fr) *Alexanon* 4(6):268-272. 1966. 421 AL2
- 4649 GARDINER, B. O. C. The rearing of *Dirphopis eumedide* (Saturniidae). J. Res. Lepidoptera 4(4):287-291. Dec. 1965. 421 J827
- 4650 HARCOURT, D. G. Major factors in survival of the immature stages of *Pieris rapae* (L.). Can. Entomol. 98(6):653-662. Ref. June 1966. 421 C16
Granulosis disease, rainfall, and parasites.
- 4651 HARCOURT, D. G. Sequential sampling for the imported cabbageworm, *Pieris rapae* (L.). Can. Entomol. 98(7):741-746. July 1966. 421 C16
- 4652 HARDY, G. A. Notes on the life histories of three moths from southern Vancouver Island (Lepidoptera: Phalaenidae and Geometridae). Entomol. Soc. Brit. Columbia. Proc. 62:18-21. 1965. 420 B77
Orthosia ferrigera, *Mesothoa viridipennata* and *Plagodis approximaria*.
- 4653 HERBULOT, C. Description of the four new species of Geometridae from the Comoro Islands (Lepidoptera). (Fr) Soc. Entomol. France. Bull. 70(9/10):285-287. Nov./Dec. 1965. 420 F84B
Pingasa ultrata, *Pingasa griveaudi*, *Mimoclystia dimorpha* and *Obolcola retorta* n. spp.
- 4654 IL'INSKAYA, N. B. Salt resistance of muscles of active and diapausing pronymphs of *Carpocapsa pomonella* L. (Rus) *Tsitologiya* 7(4):538-546. Ref. July/Aug. 1965. 442.8 T78
English summary.
- 4655 ISSIKI, S., and others. Genshoku Nihon ga-rui yochu zukan [Early stages of Japanese moths in colour]. Vol. 1. Osaka. 1965. 237 p. (Hoi-kusha no Genshoku Zukan, 46) QL586.18
A. Matuura, Y. Yamamoto, and I. Hattori, joint authors.
Nomenclature in Latin.
Caterpillars.
- 4656 JAHN, E., and WEBER, T. Polyhedrosis of *Dasychira pudipunda* and its transmission. (Ge) *Anz. Schädlingkunde* 39(3):39-42. Ref. Mar. 1966. 421 An9
- 4657 KELLER, E. C., MATTONI, R. H. T., and SEIGER, M. S. B. Preferential return of artificially displaced butterflies. *Anim. Behav.* 14 (2/3):197-200. Apr./July 1966. 410 B77
Philotes sonorensis.
- 4658 KOLYER, J. M. The feeding of coloring matters to *Pieris rapae* larvae. J. Res. Lepidoptera 4(3):159-172. Ref. Sept. 1965. 421 J827
- 4659 LANGSTON, R. L., and COMSTOCK, J. A. Life history of *Philotes enoptes bayensis* (Lepidoptera: Lycaenidae). Pan-Pacific Entomol. 42(2):102-108. Apr. 1966. 421 P193
- 4660 LECADET, M. M., and DEDONDER, I.-H. (Fr) The proteases of *Pieris brassicae* L.-H. (Fr) Soc. Chim. Biol. Bull. 48(5):631-691. Ref. 1966. 383 S0
- 4661 LEONARD, D. E., and DOANE, C. C. An artificial diet for the gypsy moth, *Porthetria dispar* (Lepidoptera: Lymantriidae). Entomol. Soc. Amer. Ann. 59(3):462. May 1966. 420 En82
- 4662 LEUCK, D. B. Biology of the lesser cornstalk borer [*Elasmopalpus lignosellus*] in south Georgia. J. Econ. Entomol. 59(4):797-801. Ref. Aug. 1966. 421 J822
- 4663 LU, H. H. Preliminary studies on the soybean leaf-roller *Matsumuraes phaseoli* (Mats.). (Lepidoptera: Olethreutidae). I. Morphology and biological characteristics. (Ch) *Acta Phytotaphlacia Sinica* 4(3):255-269. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Trans.] Commun. Chin. Sci. Abstr. Bio-Med. Sci. 48:8-9. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 4664 MANGAT, B. S., and APPLE, J. W. Corn earworm [*Heliothis zea*] development in relation to temperature. J. Econ. Entomol. 59(4):1005-1006. Aug. 1966. 421 J822
- 4665 MANSINGH, A., and SMALLMAN, B. N. Photoperiod control of an "obligatory" pupal diapause. Can. Entomol. 98(6):613-616. June 1966. 421 C16
Hyalophora cecropia.
- 4666 MCMILLIAN, W. W., and STARKS, K. J. Feeding responses of some noctuid larvae (Lepidoptera) to plant extracts. Entomol. Soc. Amer. Ann. 59(3):516-519. May 1966. 420 En82
Heliothis zea, *H. virescens*, and *Spodoptera frugiperda*.
- 4667 MOORE, I., and NAVON, A. The rearing and some bionomics of the leopard moth, *Zeuzera pyrina* L., on an artificial medium. Entomophaga 11(3):285-296. Ref. 1966. 421 En835
- 4668 OZER, M. Research on the morphology and biology of *Endrosia sarcitrella* (Schiff.), *Hofmannophila pseudopretella* (Stimt.), and *Achroia grisella* (F.). (Fr) Ankara Univ. Fac. Agr. Yearbook 1964:164-176. Ref. 1965. 25 An42
- 4669 PALMITER, R. D. Absence of olfactory conditioning in an oligophagous insect, the corn earworm, *Heliothis zea* (Boddie). *Anim. Behav.* 14(2/3):236-238. Apr./July 1966. 410 B77
Study of oviposition on plants.
- 4670 PELHAM-CLINTON, E. C. *Eriogaster lanestris* (Linn.). Entomol. Rec. J. Variation 78(6):158-159. June 1966. 421 En89
Text in English.
Rearing.
- 4671 ROSSMOORE, H. W., and RUPEREZ, A. A possible relationship between a tumour-like inclusion and a *Bacillus* sp. in *Thaumetopoea pityocampa* Schiff. Entomophaga 11(3):247-251. 1966. 421 En835
- 4672 SCHURR, K., and HOLDAWAY, F. G. Periodicity in oviposition of *Ostrinia nubilalis* (Hbn.) (Lepidoptera: Pyraustidae). Ohio J. Sci. 66 (1):76-80. Jan. 1966. 410 Oh3
- 4673 SHIELDS, O. Callophrys (Mitoura) spinetorum and C. (M.) johnsoni; their known range, habits, variation, and history. J. Res. Lepidoptera 4 (4):233-250, map. Ref. Dec. 1965. 421 J827
- 4674 SHOREY, H. H. The biology of *Trichoplusia ni* (Lepidoptera: Noctuidae). IV. Environmental control of mating. Entomol. Soc. Amer. Ann. 59(3):502-506. May 1966. 420 En82

- 4675 SNOW, J. W., HAMM, J. J., and BRAZZEL, J. R. *Geranium carolinianum* as an early host for *Heliothis zea* and *H. virescens* (Lepidoptera: Noctuidae) in the Southeastern United States, with notes on associated parasites. Entomol. Soc. Amer. Ann. 59(3):506-509. May 1966. 420 En82
Hymenopterous parasites.
- 4676 SPARKS, A. N., BRINDLEY, T. A., and PENNY, N. D. Laboratory and field studies of *F*₁ progenies from reciprocal matings of biotypes of the European corn borer [*Ostrinia nubilalis*]. J. Econ. Entomol. 59(4):915-921. Ref. Aug. 1966. 421 J822
- 4677 STARKS, K. J., and others. A photoelectric counter to monitor olfactory response of moths. J. Econ. Entomol. 59(4):1015-1017. Aug. 1966. 421 J822
P. S. Callahan, W. W. McMillan, and H. C. Cox, joint authors.
- 4678 STEMPFFER, H. The method of rearing larvae of *Iolana iolas* Ochsenheimer (Lycaenidae). (Fr) *Alexander* 4(5):222-224. 1966. 421 AL2
- 4679 SUTOR, E. C. Growth of Japanese encephalitis virus in Grace's continuous line of moth [*Antheraea eucalypti*] cells. Virology 30(1):143-145. Ref. Sept. 1966. 448.8 V81
- 4680 SWANE, G. Generation-to-generation passage of the nuclear polyhedral virus of *Spodoptera exempta* (Wlk.). Nature [London] 210(5040):1053-1054. June 4, 1966. 472 N21
- 4681 TABARY, R. Rearing Sphinx ocellata (Sphingidae). (Fr) *Alexander* 4(2):71. 1965. 421 AL2
- 4682 TERSKOV, I. A., and KOLOMETS, N. G. Attraction of the moths of Siberian silkworm—*Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by the ultraviolet light. 4 p. (TT 64-13086) Transl. 15197
Translation from Entomologicheskoe Obozrenie 41(2):306-309. 1962.
Issued by CFSTI.
- 4683 THOMAS, W. P. A note on the life cycle of eugregarines inhabiting the alimentary canal of *Epiphyas postvittana* (Walker) (Lepidoptera: Tortricidae). New Zealand Entomol. 3(4):42-46. Dec. 1965. 421 N48
- 4684 TOMLINSON, W. E. Mating and reproductive history of blacklight-trapped cranberry fruitworm moths [*Acrobasis vaccinii*]. J. Econ. Entomol. 59(4):849-851. Aug. 1966. 421 J822
- 4685 TOUFLET, P. A case of intersexuality (*Pieridae*). (Fr) *Alexander* 4(6):257. 1966. 421 AL2
Gonepteryx rhamni.
- 4686 URQUHART, F. A., BEARD, P., and BROWNLEE, R. A population study of a hibernial roosting colony of the monarch butterfly (*Danaus plexippus*) in northern California. J. Res. Lepidoptera 4(4):221-226, map. Dec. 1965. 421 J827
- 4687 VOGLER, W. *Potentilla recta*, a little known food plant of *Orgyia antiqua* (Lepidoptera, Lymantriidae). (Ge) Entomol. Z. 76(5):53-54. Mar. 1, 1966. 421 En85
- 4688 WARRY, H. E. Unusual emergence of *Calophasia lunula* Hufn. Entomol. Rec. J. Variation 78(5):134. May 1966. 421 En89
- 4689 WINKLER, S. The overwintering of larvae of *Macrothylacia rubi* (Lepidoptera, Lasiocampidae). (Ge) Entomol. Z. 76(5):56. Mar. 1, 1966. 421 En85
- 4690 YATES, H. O. *Rhyacionia* egg parasitism by *Trichogramma minutum* Riley. J. Econ. Entomol. 59(4):967-969. Ref. Aug. 1966. 421 J822
Rhyacionia frustrana and *R. rigidana*.
- 4692 DINGLE, H., and FOX, S. S. Response to cervical stimulation recorded in the cricket [*Gryllus domesticus*] brain. Nature [London] 210(5040):1050-1051. June 4, 1966. 472 N21
- 4693 DUBOWSKY, N., and PIERRE, L. L. Malic enzyme activity in the fat body of the cockroach, *Leucophaea maderae* F. Nature [London] 210(5042):1293-1294. Ref. June 18, 1966. 472 N21
- 4694 FREEMAN, M. A. The effect of drugs on the alimentary canal of the African migratory locust *Locusta migratoria*. Compar. Biochem. Physiol. 17(3):755-764. Ref. Mar. 1966. 444.8 C73
- 4695 GANGWERE, S. K. The mechanical handling of food by the alimentary canal of Orthoptera and allies. Eos 41(2/3):247-265. Ref. 1965, pub. 1966. 421 Eo7
- 4696 GENT, P. J. Flight of the mole cricket [*Gryllotalpa gryllotalpa*]. Entomol. Rec. J. Variation 78(4):104-105. Apr. 1966. 421 En89
- 4697 GHARAGOZLOU, I. Demonstration of intracellular ducts in the fat body of *Periplaneta americana* (Blattidae). (Fr) Acad. Sci. Compt. Rend. Ser. D. 262(26):2744-2745. June 27, 1966. 505 P21
- 4698 HUGGANS, J. L., and BLICKENSTAFF, C. C. Parasites and predators of grasshoppers in Missouri. Mo. Agr. Exp. Sta. Res. Bull. 903, 40 p., map. Ref. Jan. 1966. 100 M693
Eutrombidium locustarum, the grasshopper mite; nematodes; and dipterous parasites.
- 4699 KUO, F. The function of corpora allata in the reproduction of the oriental migratory locust (*Locusta migratoria manilensis* Meyer). 3 p. Ref. (TT 62-11307) Transl. 16130
Translation from K'ie Hsueh T'ung Pao 1:18. 1957.
Issued by CFSTI.
- 4700 LEVINE, L. Tonicity and isotonicity of hemolymph and tissues of the domestic cricket (*Acheta domestica*, L.) Physiol. Zool. 39(3):253-258. Ref. July 1966. 410 P56
- 4701 MADDELL, S. H. P., and TREHERNE, J. E. A neural fat-body sheath in a phytophagous insect (*Carausius morosus*). Nature [London] 211(5045):215-216. Ref. July 9, 1966. 421 N21
- 4702 MARTOJA, R., and CANTACUZENE, A. M. Histological data on mucoprotein in the alimentary system of Orthoptera and Blattodea. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):152-155. July 11, 1966. 505 P21
- 4703 MARTY, R., and ZALTA, J. P. Electrophoresis analysis in acrylamide gel of the proteins of *Gryllus campestris* L. (Orthoptera, Gryllidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):180-182. Ref. July 11, 1966. 505 P21
- 4704 MEHROTRA, O. N., PERTI, S. L., and AGARWAL, P. N. A laboratory technique of culturing cockroaches. Indian J. Entomol. 27(3):358-360. Sept. 1965. 420 In23
Periplaneta americana.
- 4705 MOOK, L. J., and DAVIES, D. M. The European praying mantis (*Mantis religiosa* L.) as a predator of the red-legged grasshopper (*Melanoplus femurrubrum* (De Geer)). Can. Entomol. 98(9):913-918. Ref. 1966. 421 C16
Studies with radioactive phosphorus.
- 4706 MORERE, J. L. A contribution to the study of post-embryonic development of the male sex organs of *Clitumnus extradentatus* Br. (Cheleutoptera, Lonchodidae). (Fr) Soc. Entomol. France. Bull. 70(9/10):239-249. Ref. Nov./Dec. 1965. 420 F84B
- 4707 PANOV, A. A. Correlation of ontogenetical development of the central nervous system of *Gryllus domesticus* L. and *Gryllotalpa gryllotalpa* L. (Orthoptera, Gryllidae). (Rus) Entomol. Obozrenie 45(2):326-340. Ref. 1966. 421 R322
English summary.
- 4708 PETAVY, G. Relation between nutrition and physiology in an insect: *Locusta migratoria cinerascens* Fab. (Orthoptera, Acrididae). I. Utilization of artificial nutritional media. (Fr) Ann. Nutr. Aliment. 20(3, mem. originaux):279-299. Ref. 1966. 389.8 An73

Orthoptera

- 4709 PIJNACKER, L. P. Effect of centrifugation of the eggs on the sex of *Carausius morosus* Br. Nature [London] 210(5041):1184-1185. June 11, 1966. 472 N21
- 4710 ROSS, M. H. Notched sternite: a mutant of *Blattella germanica*, with possible implications for the homology and evolution of ventral abdominal structures. Entomol. Soc. Amer. Ann. 59(3):473-484. Ref. May 1966. 420 En82
- 4711 SANKEY, J. Autophagy in *Mantis religiosa* L. (Dict., Mantidae). Entomol. Mon. Mag. 101 (1211/1213):121. Apr./June 1965. 421 En86
- 4712 SLATET, P. Preliminary note on the development and life cycle of *Dolichopoda linderi* Duf. (Orthoptera, Rhaphidophoridae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2764-2766. June 27, 1966. 505 P21
- 4713 SLIFER, E. H. A gynandromorph grasshopper [Melanoplus differentialis] that laid eggs (Orthoptera, Acrididae). Entomol. News [Philadelphia] 77(6):149-156. Ref. June 1966. 421 En88
- 4714 SMITH, D. S. Fecundity and oviposition in the grasshoppers *Melanoplus sanguinipes* (F.) and *Melanoplus bivittatus* (Say). Can. Entomol. 98 (6):617-621. Ref. June 1966. 421 C16
- 4715 STRICH-HALBWACHS, M. C. Action of the ventral gland on the ovarian development of *Locusta migratoria* L. (Orthoptera). 8 p. (TT 64-30287) Transl. 15021
Translation from Journal of Insect Physiology 1(4):346-351.
Issued by CFSTI.
- 4716 THOMAS, K. K., and NATION, J. L. Control of a sex-limited haemolymph protein by corpora allata during ovarian development in *Periplaneta americana* (L.). Biol. Bull. 130(2):254-264. Ref. Apr. 1966. 442 B52
- 4717 VAGO, C., FOSSET, J., and BERGOIN, M. The dissemination of the polyhedrosis virus by the insect predator *Ephippiger*. (Fr) Entomophaga 11(2):177-182. Ref. 1966. 421 En835
English summary.
Ephippiger bipartitus, predator of *Porthetria dispar*.
- 4718 WADA, S. Analysis of the head-cervix region in Tachyines (Saltatoria) as a morphogenetic unit. 1-2. (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 83(2):185-326. 1966. 410 Z751
Bibliography, p.229-234,322-326.
- 4719 WALDRON, W. G., and others. Thallidomide as a growth modifier in the German cockroach [*Blattella germanica*]. J. Econ. Entomol. 59 (4):1006-1007. Aug. 1966. 421 J822
R. E. Smith, L. A. Nowlin, and E. H. Rice, joint authors.
- 4720 WHITE, J. J. D. Further studies on the cytology and distribution of the Australian parthenogenetic grasshopper, *Moraba virgo*. Rev. Suisse Zool. 73(2):383-398. Ref. May 1966. 410 R324
- 4721 WILLIS, E. R. Biology and behavior of *Panchlora irrorata*, a cockroach adventive on bananas (Blattaria: Blaberidae). Entomol. Soc. Amer. Ann. 59(3):514-516. May 1966. 420 En82
- Smaller Orders
- 4722 ANDERSON, G. A., MARTIN, G. W., and PRATT, I. The life cycle of the trematode *Cephalouterina dicampidoni* Senger and Macy, 1953. J. Parasitol. 52(4):704-706. Aug. 1966. 448.8 J824
Acroncuria californica, intermediate host.
- 4723 BHARADWAJ, R. K. Observations on the bionomics of *Euborellia annulipes* (Dermaptera: Labiduridae). Entomol. Soc. Amer. Ann. 59(3):441-450. Ref. May 1966. 420 En82
- 4724 BICK, G. H., and HORNUFF, L. E. Reproductive behavior in the damselflies *Enallagma aspersum* (Hagen) and *Enallagma esulans* (Hagen). Entomol. Soc. Wash. Proc. 68(2):78-85. June 1966. 420 W27
- 4725 BRINDLE, A. The larvae of *Trianaodes reuteri* McLachlan (Trichoptera, Leptoceridae). Entomol. Rec. J. Variation 78(5):130-133. May 1966. 421 En89
- 4726 CLAASSENS, A. J. M. Lice (Phthiraptera) and blood sucking flies (Dipt., Hippoboscidae) from some Irish birds and mammals. Entomol. Mon. Mag. 101(1211/1213):110. Apr./June 1965. 421 En86
- 4727 ELLIOTT, G. F., HUXLEY, A. F., and WEISFOGH, T. On the structure of resilin. J. Mol. Biol. 13(3):791-795. Oct. 1965. 442.8 J8224
From Aeshna juncea, A. grandis, A. cyanea, and *Schistocerca gregaria*.
- 4728 GOWER, A. M. The life cycle of *Drusus annulatus* Steph. (Trich., Limnephilidae) in water-cress beds. Entomol. Mon. Mag. 101 (1211/1213):133-141. Ref. Apr./June 1965. 421 En86
- 4729 HEYMER, A. The anal appendages of the larvae of *Platycnemis pennipes* Pallas, 1771; a correction (Odonata, Zygoptera). (Ge) Beitr. Entomol. 16(1/2):161-164. 1966. 421 B392
- 4730 HOWSE, P. E. Air movement and termite behaviour. Nature [London] 210(5039):967-968. May 28, 1966. 472 N21
In nest building of *Zootermopsis angusticollis* and *Z. nevadensis*.
- 4731 MEIKLEJOHN, J. Microbiological studies on large termite mounds, Rhodesia Zambia Malawi J. Agr. Res. 3(2):67-79. Ref. July 1965. 24 R3472
Southern Rhodesia.
- 4732 MUNCHBERG, P. Aphorismen zum Bau des Libellenflügels auf Grund seiner Autoradiographie mit $\text{Na}_2^{35}\text{SO}_4$ und zum Sitz der Flugpigmente [Aphorisms on the structure of dragonfly wings based on autoradiography with $\text{Na}_2^{35}\text{SO}_4$ and the seat of the wing pigment]. Opusc. Zool. 82,9 p. Ref. Dec. 15, 1965. 410 Op7
- 4733 MUNCHBERG, P. Morphological structure and functional role of the ocelli of dragonflies (Odonata). (Ge) Beitr. Entomol. 16(1/2):221-249. Ref. 1966. 421 B392
English summary.
- 4734 NEBEKER, A. V., and GAUFIN, A. R. Gynandromorphism in Rocky Mountain stoneflies (Plecoptera: Nemouridae). Entomol. News [Philadelphia] 77(6):156-158. June 1966. 421 En88
Nemoura cinctipes and *N. besametsa*.
- 4735 PAUSCH, R. D., and FRAENKEL, G. The nutrition of the larva of the oriental rat flea *Xenopsylla cheopis* (Rothschild). Physiol. Zool. 39(3):202-222. Ref. July 1966. 410 P56
- 4736 PEREZ-REYES, R., and LOPEZ-OCOTERE, N. E. Flagellate from Mexican termites. I. Description of some species from *Incisitermes marginipennis* (Latreille). (Sp) Rev. Biol. Trop. 13(1):1-27. Ref. July 1965. 442.8 R328
English summary.
- 4737 ROTHCHILD, M., and FORD, B. Hormones of the vertebrate host controlling ovarian regression and copulation of the rabbit flea (*Spilopsyllus cuniculi*). Nature [London] 211(5045):261-266. Ref. July 16, 1966. 472 N21
- 4738 SVADZHIAN, P. K. Development of *Thysanella giardi* (Moniez, 1879) in the bodies of insects of the order Copeognatha (Psocoptera). 5 p. Transl. 15153
Translation from Akademiya Nauk Armyanskoi SSR. Doklady 36(5):303-306. 1963.
- 4739 SVIRIDOV, G. G. The use of radioactive isotopes in the study of some problems of flea ecology. 2. The contact of animals and intensity of the exchange of ectoparasites in a *Rhombomys opimus* population. 4 p. (JPRS 20,864; OTS 63-31650) Transl. 15196
Translation from Zoologicheskii Zhurnal 42 (6):947-949. 1963.
CFSTI: 80.50.
- 4740 TONN, R. J., and ARNOLD, K. Ectoparasites of birds and mammals of Costa Rica. III. Mallophaga. (Sp) Rev. Biol. Trop. 13(2):311-316. Dec. 1965. 442.8 R328
English summary.

- 4741 TROTTER, R. The emergence and sex ratio of *Anax junius* Drury (Odonata: Aeshnidae) in Canada. *Can. Entomol.* 98(8):794-798. Aug. 1966. 421 C16
- 4742 WONG, S. K., and THORNTON, I. W. B. Chromosome numbers of some psocid genera (Psocoptera). *Nature [London]* 211(5045):214-215. July 9, 1966. 472 N21
- 4743 ZINKLER, D. Comparative investigations of the respiration physiology of Collembola (Apterygota) and soil microarthropods. (Ge) *Z. Vergleichende Physiol.* 52(2):99-144. Ref. 1966. 444.8 Z3
English summary.
- TAXONOMIC AND GEOGRAPHIC ENTOMOLOGY
- 4744 HARRELL, J. C., and HOLZAPFEL, E. Trapping air-borne insects on ships in the Pacific. 6. Pacific Insects 8(1):33-42. May 10, 1966. 421 P11
- 4745 HSU, H. C. An agricultural insect trap using black light. 10 p. Transl. 15496
Translation from *Dianshijie* 16(8/11):323-324. Aug./Nov. 1963.
- 4746 KOVACEVIC, Z. Study of insects of the Rijeka bay area. (Se) *Biljna Zastita* 10(5):108-110. May 1966. 464.8 B49
Collecting.
- 4747 RABIL, J. Collections and observations from Gresigne. (Fr) *Entomologiste [Paris]* 21(6):101-103. Dec. 1965. 421 En814
Insects.
- 4748 SHOPARD, L. Insects over the high summits of the Himalayas. (Bu) *Priroda [Sofia]* 14(2):63-66. Mar./Apr. 1965. 410 P934
- Arachnida, Myriapoda, etc.
- 4749 AOKI, J. I. Epizotic symbiosis: an oribatid mite, *Symbioribates papuensis*, representing a new family, from cryptogamic plants growing on backs of Papuan weevils (Acari: Cryptostigmata). *Pacific Insects* 8(1):281-289. Ref. May 10, 1966. 421 P11
Symbioribates n. g. and *Symbioribatidae* n. fam.
- 4750 BEIER, M. Pseudoscorpions from the Canary Islands. (Ge) *Naturhist. Mus. Wien. Ann.* 68:375-381. 1964, pub. 1965. 410.9 V672
Includes n. spp. in *Chthonius*, *Olpium*, and *Canarichelifer* n. g.
- 4751 BEIER, M. Pseudoscorpions from the Chad area. (Ge) *Naturhist. Mus. Wien. Ann.* 68:365-374. 1964, pub. 1965. 410.9 V672
Includes n. spp. in *Minniza*, *Xenolpium*, and *Cheiridium*.
- 4752 BEIER, M. Pseudoscorpions from the New Guinea and the adjacent islands. (Ge) *Pacific Insects* 7(4):749-796. Ref. Dec. 30, 1965. 421 P11
Includes n. spp. in *Ditha*, *Tyrannochthonius*, *Xenolpium*, *Geogarypus*, *Pseudochiridium*, *Paratemnus*, *Anatemnus*, *Parachernes*, *Verrucachernes*, *Sundochernes*, *Nesidiuchernes*, *Smeringochernes*, *Hebridochernes*, *Reischekia*, *Lophochelifer*, *Papuchelifer* n. g. and *Cacoxylus* n. g.
- 4753 BEIER, M. Results of the zoological excursion carried out by Dr. O. Paget and Dr. Kritscher to Rhodes. XI. Pseudoscorpionidea. 2. (Ge) *Naturhist. Mus. Wien. Ann.* 68:631-633. 1964, pub. 1965. 410.9 V672
Includes n. spp. in *Apolpium*.
- 4754 BERNARD, J. Two Pentastomida found in Tunisia. (Fr) *Inst. Pasteur Tunis. Arch.* 42(1):39-43. Mar. 1965. 448.3 In72
English summary.
Armiliifer annulatus and *Linguatula serrata*.
- 4755 BRENNAN, J. M. New records of chiggers (Acarina: Trombiculidae) from Baja California and islands of the Gulf of California. *J. Parasitol.* 52(4):772-775. Aug. 1966. 448.8 J824
Includes n. spp. in *Odontacarus* and *Euschoengastoides*.
- 4756 CAPOCASALE, R. Opiliones from Uruguay: *Discoecyrtus* *prospicius* Holmberg, the female allotype of *Pygophalangodus gemignanii* uruguayensis Ringuet (Gonyleptidae), and *Metallibitia rosacostai* n. sp. (Cosmetidae). (Ge) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser. 2)37(4):631-644. Ref. 1965. 410.9 P213
- 4757 COOK, D. R. The water mites of Liberia. *Amer. Entomol. Inst. Mem.* 6, 418 p., map. Ref. 1966. 420 Am34
Includes n. spp. in *Hydrachna*, *Limnochares*, *Neolimnochares*, *Teratohysasides*, *Hydrodroma*, *Nilotonia*, *Ansitsidartia* n. g., *Mamersopodides*, *Mamersella* (*Neomamersella*) n. sp., *Platymamersopsis*, *Lebertia*, *Frontipoda*, *Africoxus* n. g., *Africoxus* (*Pseudofrontipoda*) n. sp., *Torrenticola*, *Pseudotorrenticola*, *Limnesia*, *Hygrobrates*, *Hygrobrates* (*Scutobates*) n. sp., *Diversibates*, *Megabates*, *Atractides*, *Encentrifhorus*, *Unilonicia*, *Unilonicia* (*Bassatax*) n. sp., *Neumania*, *Eopolis*, *Koenikea*, *Piona*, *Axonopsalbia*, *Coxonopsalbia* n. g., *Javalbia*, *Javalbiella* n. g., *Vietsaxona*, *Subaxonopsalbia* n. g., *Neoxonopsalbia* n. g., *Neoxonopsalbia* (*Golaxonopsalbia*) n. sp., *Barbaxona* (*Neobarbaxona*) n. sp., *Axonopsis*, *Albia*, *Subalbia*, *Subaturus*, *Kongsbergia* (*Pseudokongsbergia*), *Kongsbergia* (*Kongsbergiella*) n. sp., *Momoniella*, *Mideopsis*, *Africasia*, *Thoracophoracarus*, *Rhinophoracarus*, and *Arrenurus*.
- 4758 DE LEON, D. A new fern mite from Trinidad, West Indies (Acarina: Tarsonemidae). *Fla. Entomol.* 49(2):127-129. June 1966. 420 F662
Eotarsonemus rugosus n. g., n. sp.
- 4759 DEMANGE, J. M. Contribution to the fauna of the Congo (Brazzaville): Mission A. Villiers et A. Descarpentries. IV. Myriapoda, Diplopoda, and Chilopoda. (Fr) *Inst. Franc. Afr. Noire, Bull. Ser. A, Sci. Natur.* 27(2):551-576. Ref. Apr. 1965. 515 D14
Includes n. spp. in *Ophistreptus*, *Syndesmonemus*, and *Paltophorus*, all in *Diplopoda*.
- 4760 DENIS, J. For the non-specialists: how to handle micro spiders. (Fr) *Entomologiste [Paris]* 21(6):114-117. Dec. 1965. 421 En814
Collecting.
- 4761 ELZINGA, R. J., and RETTENMEYER, C. W. A neotype and new species of *Planodiscus* (Acarina: Uropodina) found on doryline ants. *Acarologia* 8(2):191-199. Apr. 1966. 434.8 Ac1
Planodiscus burchelli n. sp.
- 4762 FAIN, A., LUKOSCHUS, F., and HALLMANN, P. The genus *Psorergates* of mites. Description of three new species (*Psorergatidae*, *Trombidiformes*). (Fr) *Acarologia* 8(2):251-274. Ref. Apr. 1966. 434.8 Ac1
Psorergates (*Psorergates*) *apodemii*, *Psorergates* (*Psorergates*) *microti* and *Psorergates* (*Psorergates*) *dissimilis* n. spp.
- 4763 FAIN, A. New description of *Dermatophagoides pteronyssinus* (Trouessart, 1897). Importance of this mite in human pathology (*Psoptoridae*, *Sarcoptiformes*). (Fr) *Acarologia* 8(2):302-327. Apr. 1966. 434.8 Ac1
- 4764 FAIN, A. A new hypopus living in phoretic association with a flea of Madagascar (Acarina, *Sarcoptiformes*). (Fr) *Rev. Zool. Bot. Afr.* 7(1/2):158-165. Mar. 30, 1966. 410 R326
New sp. in *Psylloglyphus* n. g. on *Synopsyllus fonnerni*.
- 4765 FILIPPOVA, N. A. Diagnosis of certain species of ixodid ticks of the genus *Ixodes* Latr. (subgenus *Ixodes*, s. str.) according to larvae and nymphs. 14 p. (TT 64-15063) Transl. 15274
Translation from *Zoologicheskii Zhurnal* 33(1):69-76. 1954.
Issued by CFSTI.
- 4766 FILIPPOVA, N. A. Materials on ticks belonging to the subfamily Argasinae. 1. Adult ticks and larvae of the genus *Argas* Latr., group *reflexus*. 9 p. Ref. (TT 64-15621) Transl. 15159
Translation from *Zoologicheskii Zhurnal* 40(12):1815-1826. 1961.
Issued by CFSTI.
- 4767 FILIPPOVA, N. A. Systematic groups of Palearctic ticks of the subfamily Ixodinae. 6 p. Ref. (TT 64-15620) Transl. 15158
Translation from *Moskovskoe Obshchestvo Ispytatelei Prirody. Byulleten'* 62(6):31-34. 1957.
Issued by CFSTI.

- 1768 FORSYTHE, H. Y., and RINGS, R. W. Eriophyid mites new to Ohio. *Ohio J. Sci.* 66(3): 265-266. May 1966. 410 Oh3
- 1769 GRANDJEAN, F. *Collohimannia gigantea* Selln. (Oribatei). I. (Fr) *Acarologia* 8(2):328-357. Ref. Apr.1966. 434.8 Ac1
Larvae and sex organs.
- 1770 GREEN, A. J. A. Notes on species of *Actaecia* Dana (Isopoda, Oniscoidea) from Tasmania and New Zealand. *Roy. Soc. Tasmania. Pap. Proc.* 100:67-69. 1966. 514 H65
Actaecia thomsoni n. sp.
- 1771 HEURTAULT-ROSSI, J. *Roncus* (R.) *lucifugus* Simon, 1879, cavernicolous pseudoscorpion of the French fauna, does not belong to the genus *Roncus* L. Koch, but to the genus *Microcreagris* Balzan. (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser.2)37(4):659-666. 1965. 410.9 P213
- 1772 HIGGINS, H. G. A new *Rostrozetes* mite from British Guiana (Acari: Oribatei: Haplozetidae). *Entomol. Soc. Wash. Proc.* 68(2):86-87. June 1966. 420 W27
Rostrozetes dimorphochaites n. sp.
- 1773 HIGGINS, H. G. Two new mites of the genus *Aeropopia* (Opplidae: Oribatei: Acarina). *Entomol. Soc. Wash. Proc.* 68(2):106-108. June 1966. 420 W27
Aeropopia insularis n. sp. and *A. clavatum* n. sp.
- 1774 HOOGSTRAAL, H. *Haemaphysalis* (Herpetobia) *himalaya* sp. n. (Ixodoidea, Ixodidae), a parasite of the Himalayan thar (Artiodactyla, Caprinae) in Northwestern India. *J. Parasitol.* 52(4):805-809. Aug.1966. 448.8 J824
- 1775 HOOGSTRAAL, H. The *Haemaphysalis* ticks (Ixodoidea, Ixodidae) of birds. 2. Redescription of the type material of *H. (Rhipistoma) madagascariensis* Colas-Belcour and Milot. *J. Parasitol.* 52(4):801-804. Aug.1966. 448.8 J824
- 1776 JEZEQUEL, J. F. Spiders of the Singrobo Savannah (Ivory Coast). V. Complementary note on the *Thomasidae*. (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser.2)37(4):613-630. 1965. 410.9 P213
Includes n. spp. in *Stiphropus*, *Tmarus*, *Xysticus*, *Synaema*, *Firmicus*, *Gephyra*, and *Parasmodix* n. g.
- 1777 KAURI, H. Concerning *Halorates* *reprobos* (O.P. Cambridge) (Araneae, Erigonidae) occurrence in Scandinavia. *Norsk Entomol. Tidsskr.* 13(1/2):16. 1965. 421 N812
- 1778 KOHLS, G. M. A new sea bird tick, *Ixodes amersoni*, from Phoenix Island (Acarina: Ixodidae). *J. Med. Entomol.* 3(1):38-40. Apr. 1966. 421 J828
- 1779 LEWIS, J. G. E. The taxonomy and biology of the centipede *Scolopendra amazonica* in the Sudan. *J. Zool.* 149(2):188-203, map. Ref. June 1966. 410.9 L64P
- 1780 LOOMIS, R. B. A new genus of chigger (Acarina: Trombiculidae) from western Mexico. *J. Med. Entomol.* 3(1):49-53. Apr.1966. 421 J828
Axiogastia n. g.
- 1781 MADGE, D. S. A study of the arthropod fauna of four contrasting environments. *Pedobiologia* 5(4):289-303. Ref. 1965. 56.8 P343
Surveys in Great Britain, chiefly of Oribatei and Collembola.
- 1782 MAHUNKA, S. Some data on the French *Scutacaridae*. (Ge) *Acarologia* 8(2):222-225. Apr.1966. 434.8 Ac1
- 1783 MIHELIC, F. Study of mites of central Spain (Acarina). (Ge) *Eos* 41(2/3):459-470. Ref. 1965, pub. 1966. 421 Eo7
Includes *Zygoribatula matriensis* and *Schelolibates campestris* n. spp.
- 1784 MILLER, F. Some new or incompletely known *Micryphantidae* from Czechoslovakia (Ara-neida). (Ge) *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(2):149-164. Ref. Mar.20,1966. 420 C33
Includes *Mecopistes perpallus* n. sp., *Trichopterna fatrensis* n. sp. and *Paratrachoncus* n. g.
- 1785 MILLER, L. W. The tetranychid mites of Tasmania. *Roy. Soc. Tasmania. Pap. Proc.* 100:53-66. Ref. 1966. 514 H65
Includes n. spp. in *Eutetranychus*, *Eotetranychus*, *Tetranychus*, *Synonychus* n. g., and *Tylonychus* n. g.
- 1786 MITCHELL, C. J., and NADCHATRAM, M. Seven new species of chiggers from central India, with a redescription of *Leptotrombidium* (L.) pelta (Womersley, 1952) (Acarina: Trombiculidae). *J. Med. Entomol.* 3(1):61-77. Ref. Apr.1966. 421 J828
New spp. in *Leptotrombidium*, *Neotrobica*, *Schoutedenichia*, and *Schengastia*.
- 1787 MOREL, P. C. A description of *Ixodes* (Scaphixodes) *domergui* n. sp. from Madagascar (Acarina, Ixodoidea). (Fr) *Acarologia* 8(2):200-207. Apr.1966. 434.8 Ac1
- 1788 MOREL, P. C. On some larvae of *Ixodes* Latreille, 1796, from Africa (Acarina, Ixodoidea). (Fr) *Acarologia* 8(2):208-221. Apr.1966. 434.8 Ac1
- 1789 MORITZ, M. *Paratritia baloghi* n. g., n. sp., a new genus and species of the family *Euphthiracaridae* (Acarina, Oribatei) from Germany. (Ge) *Acarologia* 8(2):374-381. Apr.1966. 434.8 Ac1
- 1790 MOSS, W. W. *Dermanyssus gallinoides* n. sp. (Mesostigmata: Laelaptoidea: Dermanyssidae), an acarine parasite of woodpeckers in western North America. *Can. Entomol.* 98(6):635-636. June 1966. 421 C16
- 1791 NADCHATRAM, M., and TRAUB, R. A new species of *Trombicula* s. str. (Acarina: Trombiculidae) from the Indo-Pakistan subcontinent. *J. Med. Entomol.* 3(1):46-48. Apr.1966. 421 J828
Trombicula (*Trombicula*) *hypodermata* n. sp.
- 1792 NADCHATRAM, M. Revision of the bat-infesting chiggers of *Chiropetella* *Vercammen-Grandjean* (Acarina: Trombiculidae), with descriptions of two new larval species and a nymph. *J. Med. Entomol.* 3(1):19-28. Ref. Apr.1966. 421 J828
Chiropetella sandoshani n. sp. and *Chiropetella noticola* n. sp.
- 1793 PEREZ-INGO, C. *Damaeus selgae* n. sp., a new species of Oribatei (Acarina) from central Spain. (Fr) *Acarologia* 8(2):365-373. Ref. Apr.1966. 434.8 Ac1
- 1794 POSPELOVA-SHTROM, M. V., VASSILIEVA, I. S., and SEMASCHKO, L. L. A new species of argasid ticks (subfamily Argasinae, family Argasidae)—*Argas beklemischevi* n. sp. 5 p. (TT 64-15641) Transl. 15259
Translation from *Meditinskaya Parazitologiya* 1:61-65. 1963.
Issued by CFSTI.
- 1795 RADOVSKY, F. J. Revision of the macronyssid and laelapid mites of bats: outline of classification with descriptions of new genera and new type species. *J. Med. Entomol.* 3(1):93-99. Apr.1966. 421 J828
Includes the following n. gg.: *Megistonyssus*, *Macronyssoides* and *Parasteatonysus*; and n. spp. in *Parichoronyssus* n. g. and *Cryptonyssus* n. g.
- 1796 RAFYI, A., and MAGHAMI, G. Our present knowledge on Argasidae of Iran. (Fr) *Inst. Razi. Arch.* 17:1-16. Ref. Dec.1965. 41.9 In72
English summary.
- 1797 RAMSEY, J. M. Vast migrating armies of the millipede, *Pseudopolydesmus serratus* (Say) in the Dayton region. *Ohio J. Sci.* 66(3):339. May 1966. 410 Oh3
- 1798 ROBAUX, P. *Thrombididae* from Lorraine. 2. (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser.2) 37(5):768-774. 1965. 410.9 P213
- 1799 RYKE, P. A. J., and LOOTS, G. C. The quadrigillatus-succinctus species group of the [Cyrtolaelaps] subgenus *Gamasellus* (Acari: Rhodacaridae). *Rev. Zool. Bot. Afr.* 73(1/2): 121-151. Mar.30,1966. 410 R326
Includes n. spp.

Coleoptera

- 4800 SCHELLER, U. Two new species of the genus *Scutigerella* (Myriapoda, Symphyla) from the European Alps. *Zool. Anz.* 176(5):320-326. May 1966. 410 Z7
Scutigerella seposita n. sp. and *Scutigerella thaleri* n. sp.
- 4801 SELF, J. T., and KUNTZ, R. E. New Pentastomida: *Sambonia* parapodum n. sp. from *Varanus salvator*, and *Armillifer agkistrodonis* n. sp. from *Agkistrodon acutus*. *Amer. Microscop. Soc. Trans.* 85(2):256-260. Apr. 1966. 440.9 Am33
- 4802 SILHAVY, V. Harvestmen of the suborder Eupnoi from Bulgaria, together with a revision of European genera of subfamilies Oligolophinae and Phalanginae (Arachnoidea, Opiliones). (Ge) *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 62(5):369-406. Ref. Sept. 20, 1965. 420 C33
 Includes n. spp. in *Lacinus*, *Platybunus*, *Metaphalangium*, *Metaplatybunus*, *Rilaena* n. g. and *Leiobunum* n. g. *Roewerita*, *Metegaeus*, *Parodontosoma*, *Apozacheus* and *Buresilia*.
- 4803 STRASSER, K. Austrian Attemsidae (Diplopoda, Ascospermophora). 5. (Ge) *Naturhist. Mus. Wien. Ann.* 68:553-583, map. Ref. 1964, pub. 1965. 410.9 V672
 Includes *Glomogonium* n. g.
- 4804 STROUHAL, H. Results of the Nubian Zoological Expedition 1962. XXX. Terrestrial Isopoda. (Ge) *Naturhist. Mus. Wien. Ann.* 68:609-629. Ref. 1964, pub. 1965. 410.9 V672
 Includes *Fossoniscus* n. g.
- 4805 SUMMERS, F. M. Genera of the mite family Stigmaeidae Oudemans (Acarina). *Acarologia* 8(2):230-250. Ref. Apr. 1966. 434.8 Acl
- 4806 TAUFFLIEB, R. Four new species of *Schoutenichia* from the Central African Republic. (Fr) *Acarologia* 8(2):287-295. Apr. 1966. 434.8 Acl
- 4807 TAUFFLIEB, R. Two new species of *Neotrombicula* and keys for the Subsaharan species. (Fr) *Acarologia* 8(2):296-301. Apr. 1966. 434.8 Acl
Neotrombicula (N.) *zairiensis* and *Neotrombicula* (N.) *sciuri* n. spp.
- 4808 VACHON, M. A scorpion from Israel, *Nebo hierichontus* Simon 1872 (Diplocentridae). (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser. 2) 37(5):766-767. 1965. 410.9 P213
- 4809 VACHON, M. Some remarks on the genus *Neobisium* J. C. Chamberlin (Arachnida, Pseudoscorpionida, Neobisidae). *Propos* a new species, *Neobisium* (N.) *gineti*, living in caves in the east of France. (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser. 2) 37(4):645-658. 1965. 410.9 P213
- 4810 VERCAMMEN-GRANDJEAN, P. H. Notes on the terminology of Trombidiformes. (Fr) *Acarologia* 8(2):285. Apr. 1966. 434.8 Acl
- 4811 VERCAMMEN-GRANDJEAN, P. H., and AUDY, J. R. Trombiculid mite of undetermined genus and species from Depok, Java, being fragments in the Berlese collection identified as *Trombicula minor* Berlese, 1905. *Acarologia* 8(2):275-281. Apr. 1966. 434.8 Acl
- 4812 VERCAMMEN-GRANDJEAN, P. H. *Whartonia pachywhartoni* n. sp., an extraordinary parasite of a Brazilian bat (Leeuwenhoekidae, Acarina.). *Acarologia* 8(2):282-284. Apr. 1966. 434.8 Acl
- 4813 WALLWORK, J. A. The Cryptostigmata (Acarini) of Antarctica with special reference to the Antarctic Peninsula and South Shetland Islands. *Pacific Insects* 7(3):453-468. Ref. Oct. 15, 1965. 421 P11
 Includes *Oppia loxolineata* n. sp.
- 4814 WILSON, N. New records and descriptions of *Rallinyssus* from Pacific birds (Acarina: Mesostigmata). *Pacific Insects* 7(4):623-639. Ref. Dec. 30, 1965. 421 P11
- 4815 WILSON, N. S., and OLDFIELD, G. N. New species of eriophyid mites from Western North America, with a discussion of eriophyid mites on *Populus*. *Entomol. Soc. Amer. Ann.* 59(3):585-599. Ref. May 1966. 420 En82
 New spp. in *Eriophyes*, *Aceria*, and *Heterotergum*.
- 4816 ABDULLAH, M. The taxonomic position of the Australian Anaplopus tuberculatus, with a proposed new sub-family (Anaplopiniae) of the Tenebrionidae, and including remarks on the family status of the Merycidae (Coleoptera). *Entomol. News [Philadelphia]* 77(5):143-147. May 1966. 421 En88
- 4817 ANGELOV, P. Systematic and ecologic relations in the family Curculionidae (Coleoptera, Insecta). (Bu) *Prirada [Sofia]* 14(2):72-77. Mar./Apr. 1965. 410 P934
- 4818 ANGUS, R. B. Two dytiscid water beetles (Col.) new to Western Ross. *Entomol. Mon. Mag.* 101(1211/1213):110. Apr./June 1965. 421 En86
Platambus maculatus and *Hygrotus* 9-lineatus.
- 4819 ARDOIN, P. Attempt at a revision of the African Amarygmidi. 8. (Fr) *Inst. Franc. Afr. Noire. Bull. Ser. A. Sci. Natur.* 27(2):632-723, map. Apr. 1965. 515 D14
 Includes n. spp. in *Asthenochirus* and *Eupezus*.
- 4820 ARDOIN, P. The genus *Ozaenimorphus* Fairmaire (Coleoptera, Tenebrionidae). (Fr) *Soc. Entomol. France. Bull.* 70(9/10):274-282. Nov./Dec. 1965. 420 F84B
 Includes *Ozaenimorphus menephioides*, *Ozaenimorphus moqueyrsi* and *Ozaenimorphus curvius* n. spp.
- 4821 ARNST, J. New Carabidae from the collection of the State Museum in Stockholm (Coleoptera, Carabidae). (Ge) *Entomol. Tidskr.* 86(3/4):202-208. Ref. 1965. 421 En891
 Includes n. spp. in *Bembidion* (*Peryphus*), *Bembidion* (*Bracton*), *Pterostichus* *Pterostichus* (*Melanius*), *Orthogonius*, *Galerita* and *Dromius*.
- 4822 BAGUENA, L. Large Iberian Silphidae (Coleoptera). (Sp) *Graellsia* 21:41-54. Jan./Dec. 1965. 421 G75
- 4823 BOER, P. J. DEN. External characters of sibling species *Trechus obtusus* Er. and *T. quadristriatus* Schrk. (Coleoptera). *Tijdschr. Entomol.* 108(9):219-239. Ref. 1965. 421 T21
- 4824 BROWN, W. J. *Chrysomelinae* and *Curculionidae* (Coleoptera): descriptions and notes. *Can. Entomol.* 98(8):855-859. Ref. Aug. 1966. 421 C16
 Includes n. spp. in *Chrysomela*, *Conotrachelus*, and *Hexarthrum*.
- 4825 BROWN, W. J. The species of *Steremnius* Schoenherr (Coleoptera: Curculionidae). *Can. Entomol.* 98(6):586-587. Ref. June 1966. 421 C16
- 4826 CAGNIANT, H. The capture of *Campalita algiricum*, Gehin 1885, (Coleoptera, Carabidae) in the Touggourt region (Algeria). (Fr) *Soc. Hist. Natur. Afr. Nord. Bull.* 54(1):81-84. 1964. 410.9 Sol25
- 4827 CARR, J. L., and LEECH, H. B. The rediscovery of *Agabus audeni* Wallis, and a note on *Agabus covialis* Sharp (Coleoptera: Dytiscidae). *Can. Entomol.* 98(5):544-550. May 1966. 421 C16
 Canada.
- 4828 CARVALHO, E. L. DE. Considerações sobre a posicao sistematica de *Protopaesus* e filogenia dos paussideos (Col. Carab. Pausinae) [Considerations on the systematic position of *Protopaesus* and the phylogeny of the Pausinae] (Coleoptera, Carabidae, Pausinae). *Colimbra. Univ. Mus. Zool. Mem. Estud.* 293, 12 p. Ref. 1965. 410.9 C66
- 4829 CARVALHO, I. DE. Study of Pausinae (Coleoptera, Carabidae, Pausinae). XVI. (Fr) *Entomol. Tidskr.* 86(3/4):209-240, map. Ref. 1965. 421 En891
 Includes *Pausus kjellanderi* n. sp.
- 4830 CECI, J. *Rhizotrogus maculicollis* Villa (Coleoptera, Scarabaeidae) a new species for Czechoslovakia. (Cz) *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(3):240. May 20, 1966. 420 C33
 German summary.

- 4831 CHEMSAK, J. A., and LINSLEY, E. G. The genus *Callidiellum* in North America (Coleoptera: Cerambycidae). Pan-Pacific Entomol. 42(2):151-155, map. Ref. Apr. 1966. 421 P193
Includes *C. virescens* n. sp.
- 4832 COBOS, A. Additions and corrections to the study of *Asida* Latr. from Morocco (Coleoptera, Tenebrionidae). (Sp) Graellsia 21:55-57. Jan./Dec. 1965. 421 G75
- 4833 COBOS, A. A contribution to the study of the Neotropical Buprestidae, XV. Three new species of *Colobogaster* Sol. (Coleoptera). (Sp) Eos 41(2/3):205-214. 1965, pub. 1966. 421 Eo7
Colobogaster martinezi, *C. weyrauchi* and *C. pizarroi* n. spp.
- 4834 COBOS, A. A new species of *Helictotamenus* from the Canary Islands (Coleoptera, Colydiidae). (Sp) Graellsia 21:59-63. Jan./Dec. 1965. 421 G75
Helictotamenus fernandezi n. sp.
- 4835 CONSTANTIN, R. Notes on some Malacodermata of northern Spain. (Fr) Entomologiste [Paris] 21(4/5):87-94. Oct. 1965. 421 En814
- 4836 CREED, E. R. Geographic variation in the two-spot ladybird (*Adalia bipunctata*) in England and Wales. Heredity 21(1):57-72. Ref. Feb. 1966. 443.8 H42
- 4837 CROWSON, R. A. Observations on the constitution and subfamilies of the family Melandryidae (Coleoptera). Eos 41(2/3):507-513. 1965, pub. 1966. 421 Eo7
- 4838 DIECKMANN, L. On the geographic distribution of *Foucartia depilis* Kraatz, 1859 (Coleoptera, Curculionidae). (Ge) Beitr. Entomol. 16(1/2):169-173, map. 1966. 421 B392
English summary.
- 4839 EASTON, A. M. *Lathridius bifasciatus* Reitter (Col., Lathridiidae) in Norfolk, East. Entomol. Mon. Mag. 101(1211/1213):141. Apr./June 1965. 421 En86
- 4840 EDWARDS, R. Two new records for *Metophtalmus serrigenis* (Broun) (Col., Lathridiidae). Entomol. Mon. Mag. 101(1211/1213):115. Apr./June 1965. 421 En86
Introduced into Great Britain from New Zealand.
- 4841 ESPANOL, F. On the distribution of Tenebrionidae in the northern half of the Spanish levant littoral (Coleoptera). (Sp) Graellsia 21:65-77. Jan./Dec. 1965. 421 G75
- 4842 ESPANOL, F. Notes on the Anobiidae (Coleoptera). XVII-XIX. (Sp) Eos 41(2/3):215-227. Ref. 1965, pub. 1966. 421 Eo7
XVII, *Trichodesma* of tropical Africa; XVIII, On the genus *Falsophilinus* Pic.; XIX, The identification of the so-called Atlantic Anobium Wollaston.
Includes n. spp. in *Trichodesma*.
- 4843 FOLWACZNY, B. Description of a new species of *Cossoninae* from Persia (Coleoptera, Curculionidae). (Ge) Beitr. Entomol. 16(1/2):175-176. 1966. 421 B392
English summary.
Stereocorynes persicus n. sp.
- 4844 FRANZ, H. A contribution to the systematics of Scydmaenidae from central Europe and western parts of the Mediterranean area (Coleoptera). (Ge) Eos 41(2/3):229-237. 1965, pub. 1966. 421 Eo7
Includes n. spp. in *Neuraphes* and *Euconus* (Cladocnusus).
- 4845 FRANZ, H. Scydmaenidae from Solomon Islands. (Ge) Pacific Insects 7(4):806-814. Dec. 30, 1965. 421 P11
Includes n. spp. in *Scydmaenus* and *Euconus*.
- 4846 FRANZ, H. The west Mediterranean species of the genus *Ptenidium* Er. known to the author (Coleoptera, Ptilidae). (Ge) Eos 41(2/3):239-245. 1965, pub. 1966. 421 Eo7
- 4847 FRIDEN, A. A contribution to the Coleoptera of Vestlandet. (No) Norsk Entomol. Tidsskr. 131(2):19-22. 1965. 421 N612
English summary.
- 4848 GIRARD, C. Riparian Coleoptera of the Beni-Abbes region (northwestern Sahara) during the hot season. (Fr) Entomologiste [Paris] 21(4/5):66-74. Ref. Oct. 1965. 421 En814
- 4849 GOODRICH, M. A. A revision of the genus *Cotinis* (Coleoptera: Scarabaeidae). Entomol. Soc. Amer. Ann. 59(3):550-568. Ref. May 1966. 420 En82
Includes n. spp. in *Cotinis* (*Cotinis*) and *C. (Crimiflava)* n. sgen.
- 4850 GOTTFWALD, J. New and interesting beetle finds in Czechoslovakia (Coleoptera). (Cz) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(2):165-169. Ref. Mar. 20, 1966. 420 C33
German summary.
- 4851 GREENSLADE, P. J. M. *Prometheocha opacicollis* Gestro (Coleoptera: Chrysomelidae) on the island of Tikopia. Pacific Insects 7(4):661-664. Ref. Dec. 30, 1965. 421 P11
- 4852 GRESSITT, J. L. Chrysomelid beetles from the Papuan Subregion 2. Clytinae, Cryptoccephalinae, Chlamisinae. Pacific Insects 7(3):387-449. Oct. 15, 1965. 421 P11
Includes n. spp. in *Aetheomorpha*, *Elaphodes*, *Ditropidus*, *Coenobius*, *Cryptoccephalus*, *Cadmus*, and *Chlamisus*.
- 4853 GRESSITT, J. L. Epizoic symbiosis: the Papuan weevil genus *Gymnopholus* (Leptopinae) symbiotic with cryptogamic plants, oribatid mites, rotifers and nematodes. Pacific Insects 8(1):221-280, map. Ref. May 10, 1966. 421 P11
Includes n. spp. in *Gymnopholus* (*Gymnopholus*) and *G. (Symbiopholus)* n. sgen.
- 4854 GRESSITT, J. L., and KIMOTO, S. Second supplement to "The Chrysomelidae (Coleopt.) of China and Korea." Pacific Insects 7(4):799-806. Dec. 30, 1965. 421 P11
- 4855 GRUEW, B., and TOMOW, W. Unknown and rare leaf beetles in the Bulgarian fauna (Coleoptera, Chrysomelidae). (Ge) Deut. Entomol. Ges. Mitt. 24(5/6):82-83. Dec. 15, 1965. 420 D482
- 4856 HOWDEN, H. F. Notes on *Canthonini* of the "Biologia Centrali-Americana" and descriptions of new species (Coleoptera: Scarabaeidae). Can. Entomol. 98(7):725-741. Ref. July 1966. 421 C16
Includes n. spp. in *Canthon* and *Deltotilium*.
- 4857 HOWDEN, H. F. Notes on the Geotrupes of Taiwan (Formosa) with a description of a new species (Coleoptera: Scarabaeidae). Pacific Insects 7(3):502-504. Oct. 15, 1965. 421 P11
Geotrupes insulana n. sp.
- 4858 HUNTER, F. A. Occurrence of an adult *Philopholus edwardsi* Steph. (Col., Philopholidae) in June. Entomol. Mon. Mag. 101(1211/1213):93. Apr./June 1965. 421 En86
- 4859 HURKA, K. Study of the larvae of the *Chlaenius* species (Coleoptera, Carabidae) from central Europe. (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(3):203-212. May 20, 1966. 420 C33
- 4860 IABLOKOFF-KHNZORIAN, S. M. New Asiatic species of genus *Chaetomalachius* Er. (Coleoptera, Dasytidae). (Fr) Entomologiste [Paris] 21(4/5):77-87. Oct. 1965. 421 En814
- 4861 JARRIGE, J. A new *Tachinus* species from Italy. (Fr) Entomologiste [Paris] 21(6):99-101. Dec. 1965. 421 En814
Tachinus mercatii n. sp.
- 4862 JEDLIČKA, A. Neue Carabiden aus China und Afghanistan (Coleoptera, Carabidae) [New carabids from China and Afghanistan (Coleoptera, Carabidae)]. Opusc. Zool. 89, 7 p. Dec. 15, 1965. 410 Op7
Includes n. spp. in *Bembidion*, *Harpalus*, *Xenodius*, *Pterostichus*, and *Daptus*.
- 4863 JOHN, H. Eine neue Species von *Discoloma* Er. (Discolomidae, Coleoptera) [A new species of *Discoloma* Er. (Discolomidae, Coleoptera)]. Opusc. Zool. 81, 2 p. Dec. 12, 1965. 410 Op7
Discoloma hahmiana n. sp.
- 4864 JOHNSON, C. The British species of the genus *Byrrhus* L., including *B. arietinus* Steffahn (Col., Byrrhidae) new to the British list. Entomol. Mon. Mag. 101(1211/1213):111-115. Apr./June 1965. 421 En86
- 4865 JOHNSON, C. D. *Caryedon gonagra* (Fabricius) established in Mexico (Coleoptera: Bruchidae). Pan-Pacific Entomol. 42(2):162. Apr. 1966. 421 P193

- 1966 KASZAB, Z. Austrian entomological expedition to Persia and Afghanistan. Contribution to the Coleoptera. I. Tenebrionidae, Meloidae, and Pedilidae. (Ge) Naturhist. Mus. Wien. Ann. 68: 667-670. 1964, pub. 1965. 410.9 V672
- 1967 KASZAB, Z. *Meloetyphlus fuscatus horni* ssp. nov. as well as the systematic position of the genus *Meloetyphlus* Waterhouse (Coleoptera, Meloidae). (Ge) Beitr. Entomol. 16(1/2):183-188. 1966. 421 B392
English summary.
- 1968 KEVAN, D. K. *Atheta* (*Acrotona*) *ampliocollis* (Mulsant & Rey) (Col., Staphylinidae) new to the British list. Entomol. Mon. Mag. 101 (1211/1213):122-124. Apr./June 1965. 421 En86
- 1969 KIMOTO, S. A list of specimens of Chrysomelidae from Taiwan preserved in the Naturhistorisches Museum, Wien (Insecta: Coleoptera). Naturhist. Mus. Wien. Ann. 68:485-490. 1964, pub. 1965. 410.9 V672
- 1970 KNULL, J. N. Two new North American species of *Smodicum* Lacordaire (Coleoptera: Cerambycidae). Entomol. News [Philadelphia] 77(5):136-139. May 1966. 421 En89
Smodicum arizonarium n. sp. and *S. texanum* n. sp.
- 1971 KNULL, J. N. Two new species of *Acmaeodera* from southeastern Texas (Coleoptera, Buprestidae). Ohio J. Sci. 66(3):332-334. May 1966. 410 Oh3
Acmaeodera opuntiae n. sp., and *A. starrae* n. sp.
- 1972 KRYZHANOVSKII, O. L., and MEDVEDEV, S. I. Dung beetles of the subfamily Coprinae (Coleoptera, Scarabaeidae) in Yunnan Province of southwestern China. (Rus) Entomol. Obozrenie 45(2):387-400. Ref. 1966. 421 R322
English summary.
Includes n. spp. in *Sisyphus*, *Copris*, *Parachorius*, and *Drepanocerus*.
- 1973 LEECH, H. B. *Ochthebius brussi* Darlington in California and Utah (Coleoptera: Hydraenidae). Pan-Pacific Entomol. 42(2):137-139. Apr. 1966. 421 P193
- 1974 LEKANDER, B. On *Hylastes ater* Payk. and *Hylastes brunneus* Er. (Coleoptera, Scolytidae). Entomol. Tidskr. 86(3/4):184-195. Ref. 1965. 421 En891
- 1975 LEKANDER, B. On the small *Hylastes* species in the Nordic countries and description of a new one, *Hylastes scandinavicus*. Entomol. Tidskr. 86(3/4):196-201. 1965. 421 En891
- 1976 LOBL, I. Contribution to the knowledge of the genus *Nipponobythus* Jeannel (Coleoptera, Psephenidae). (Ge) Naturhist. Mus. Wien. Ann. 68: 491-507. 1964, pub. 1965. 410.9 V672
Includes n. spp.
- 1977 LOBL, I. Observations on some west Palearctic Scaphidiidae (Coleoptera). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 62(5): 334-339. Ref. Sept. 20, 1965. 420 C33
Includes *Scaphosoma erratum* n. sp.
- 1978 MANDL, K. Observations on the genus *Hipparidium* Jeannel and the description of new species of this genus (Coleoptera, Cicindellidae). (Ge) Beitr. Entomol. 16(1/2):177-181. 1966. 421 B392
English summary.
Hipparidium gracileguttatum n. sp.
- 1979 MARTINS, U. R., and CHEMSAK, J. A. Revision of the genus *Microcypyrassa* Linsley (Coleoptera: Cerambycidae). Pan-Pacific Entomol. 42(2):120-126. Apr. 1966. 421 P193
Includes n. spp.
- 1980 MASCARO, A. L. Carabus species from the Canary Islands (Coleoptera, Carabidae). (Sp) Graellsia 21:79-84. Jan./Dec. 1965. 421 G75
- 1981 MATEU, J. Notes on some Cerambycidae, Lyttidae and Bostrychidae of the Beni-Abbes region in the northwestern Sahara. (Fr) Entomologiste [Paris] 21(6):103-114. Dec. 1965. 421 En814
- 1982 MCDERMOTT, F. A. *Aspisoma yechae* sp. nov. (Coleoptera: Lampyridae). Entomol. News [Philadelphia] 77(5):132-135. May 1966. 421 En88
- 1983 MCDERMOTT, F. A. *Photuris lloydii* sp. nov. (Coleoptera: Lampyridae). Entomol. News [Philadelphia] 77(6):173-175. June 1966. 421 En88
Text in English.
- 1984 MIRE, P. B. DE. Contribution to the fauna of the Congo (Brazzaville): Mission A. Villiers and A. Descarpentries. V. Coleoptera, Carabidae, Bembidiinae. (Fr) Inst. Franc. Afr. Noire. Bull. Ser. A, Sci. Natur. 27(2):739-758. Apr. 1965. 515 D14
Includes n. spp. in *Polyderis*, *Elaphropus*, and *Lynnastis*.
- 1985 MIRE, P. B. DE. Revision of *Tachylopha* Motschulsky from Africa (Carabidae, Tachyini). (Fr) Rev. Zool. Bot. Afr. 73(1/2):59-100. Mar. 30, 1966. 410 R326
Includes n. spp.
- 1986 NUNBERG, M. The genus *Periommatatus* Chapuis (Coleoptera, Platypodidae). (Ge) Rev. Zool. Bot. Afr. 73(1/2):17-39. Mar. 30, 1966. 410 R326
Includes n. spp.
- 1987 PAI, M. T. Notes on Swedish beetles. XVI. (Sw) Entomol. Tidskr. 86(3/4):241-245. Ref. 1965. 421 En891
- 1988 PERSSON, S., and ENGELMARK, T. B. A contribution to the study of beetles of Lule-Lappmark. I. (Sw) Entomol. Tidskr. 86(3/4):267-270. 1965. 421 En891
- 1989 PETROVITZ, R. Austrian entomological expedition to Persia and Afghanistan. Contribution to the Coleoptera. II. Lamellicornia. (Ge) Naturhist. Mus. Wien. Ann. 68:671-694. 1964, pub. 1965. 410.9 V672
Includes n. spp. in *Onthophagus*, *Aphodius*, *Ochodaeus*, *Amphicoma*, *Serica*, *Atanyproctus*, *Panotrigus*, and *Adoretus*.
- 1990 PHILP, E. G. Some additions to the list of Kentish Carabidae (Col.). Entomol. Mon. Mag. 101(1211/1213):121. Apr./June 1965. 421 En86
- 1991 POTOTSKAYA, V. A. Some larvae of the beetles of the genus *Staphylinus* L. (sensu lato) (Coleoptera, Staphylinidae). (Rus) Entomol. Obozrenie 45(2):354-363. 1966. 421 R322
- 1992 PREMUTH, J. *Barypithes purkynei* n. sp., a new species of the Barypithes montanus Chev. group (Coleoptera, Curculionidae) from Czechoslovakia. (Czech. Acad. Sci. Acta Entomol. Bohemoslov. 62(5):323-333. Ref. Sept. 20, 1965. 420 C33
- 1993 RAI, K. Studies on the morphology and taxonomy of Indian Bostrychidae. VII. A revision of the Indian species of *Bostrychopsis* lesne (Coleoptera, Bostrychidae). Bull. Entomol. 7: 20-25. Jan. 1966. 421 B872
- 1994 RUTER, G. Lectotype designation for *Serico-plus advena* Sharp (Melolonthinae, Col.). New Zeal. Entomol. 3(4):23. Dec. 1965. 421 N48
- 1995 SAMUELSON, G. A. Epizoc symbiosis: a new Papan colydiid beetle with epicuticular growth of cryptogamic plants (Coleoptera: Colydiidae). Pacific Insects 8(1):290-293. May 10, 1966. 421 P11
Dryptops phytophorus n. sp.
- 1996 SCHEDL, K. E. A contribution to the morphology and systematics of Scolytoidea. (Ge) Anz. Schädlingkunde 39(3):42-45. Mar. 1966. 421 An9
- 1997 SCHEDL, K. E. A new species of *Platypus* from Venezuela. (Ge) Anz. Schädlingkunde 38(6):87. June 1965. 421 An9
Platypus carinifrons n. sp.
- 1998 SCHERPELTZ, O. New species of Staphylinidae (Coleoptera) discovered on the territory of Switzerland by A. Linder. (Ge) Schweiz. Entomol. Ges. Mitt. 38(3/4):247-288. Mar. 15, 1966. 420 Sw6
Includes n. spp. in *Phyllodrepa* (*Phyllodrepa*), *Thinobius* (*Platyderothinophilus*), *Thinobius* (*Thiphonius*), *Leptusa* (*Pisalia*), *Leptusa* (*Parapisalia*), *Leptusa* (*Ectinopisalia*), *Leptusa* (*Micropisalia*), *Atheta* (*Hydrosmetina*) and *Atheta* (*Hydrosmetina*).

- 1989 SELANDER, R. B. A classification of the genera and higher taxa of the meloid subfamily Eleticinae (Coleoptera). *Can. Entomol.* 98(5): 449-481. Ref. May 1966. 421 C16
Includes *Eospasta* n. g. and n. spp. in *Proto-meloe*, *Soastica*, *Xenospasta* n. g., and *Serropasta* n. g.
- 1900 SNELL, J. A. Collecting Coleoptera in the Bodo area. (No) *Norsk Entomol. Tidsskr.* 13(1/2):31-35. 1965. 421 N812
English summary.
- 1901 SPENCER, G. J. Some records of Lyctidae in Vancouver. *Entomol. Soc. Brit. Columbia. Proc.* 62:21-24. 1965. 420 B77
- 1902 STRAND, A. A contribution to the study of Coleoptera. XI. (No) *Norsk Entomol. Tidsskr.* 13(1/2):82-91. 1965. 421 N812
- 1903 STRAND, A. On the northern species of the genus *Cis* Latr., subgenus *Eridaulus* Thoms., with a description of a new species, *Cis han-seni* n. sp. (Coleoptera, Clisidae). (Ge) *Norsk Entomol. Tidsskr.* 13(1/2):61-65. 1965. 421 N812
- 1904 STRAND, A. The northern species of the genus *Helophorus* F. (Coleoptera, Hydrophilidae). (No) *Norsk Entomol. Tidsskr.* 13(1/2):67-77. Ref. 1965. 421 N812
German summary.
- 1905 THOMAS, J. B. Some Scolytidae from the Sierra Madre Occidental in Mexico. *Can. Entomol.* 98(8):871-875. Aug. 1966. 421 C16
- 1906 TUZET, O., and others. *Adelina melonothae* n. sp., coccidian parasite of *Melonotha melon-tha* larvae. (Fr) *Arch. Zool. Exp. Gen.* 106(3): 513-521. Ref. 1965. 410 Ar24
C. Vago, R. Ormieres, and P. Robert, joint authors.
- 1907 VIEDMA, M. G. DE. A contribution to the study of larvae of Melandryidae of Europe (Coleoptera). (Sp) *Eos* 41(2/3):483-506. 1965, pub. 1966. 421 E07
English summary.
- 1908 VRYDAGH, J. M. Coleoptera Bostrychidae collected by J. Mateu in the Ennedi. (Fr) *Inst. Franc. Afr. Noire, Bull. Ser. A, Sci. Natur.* 27 (2):724-726, map. Apr. 1965. 515 D14
- 1909 WATT, J. C. Notes on the genus *Actizeta* Pascoe, 1875. (Coleoptera, Tenebrionidae). *New. Zeal. Entomol.* 3(4):24-25. Dec. 1965. 421 N48
- 1910 WERNER, F. G. A revision of Acanthines (Coleoptera: Anthicidae). I. The bimaculifer-group. *Entomol. Soc. Amer. Ann.* 59(3):509-513. May 1966. 420 En82
- 1911 WITTMER, W. Twenty sixth contribution to the study of Indo-Malayan Malacodermata. (Ge) *Schweiz. Entomol. Ges. Mitt.* 38(3/4): 229-237. Mar. 15, 1966. 420 Sw6
Includes n. spp. in *Platerodrilus*, *Maltypus*, *Malthodes*, *Malthinus*, *Hypebaeus* and *Scelotatulus* n. g.
- 1912 WOODROFFE, G. E. Intraspecific variation in tarsal number in *Cryptophagus schroeteri* Reitter (Col., Cryptophagidae). *Entomol. Mon. Mag.* 101(121/1213):118. Apr./June 1965. 421 En86
- 1913 ZASLAVSKII, V. A. Material on the study of weevil larvae of the subfamily Hyperinae (Coleoptera, Curculionidae). 9 p. (TT 62-15638) Transl. 15013
Translation from *Zoologicheskii Zhurnal* 38 (2):208-220. 1959.
Issued by CFSTI.
- 1914 ZASLAVSKII, V. A. On supergeneric groups in the tribe Hyperini (Coleoptera, Curculionidae). 3 p. (TT 62-15640) Transl. 15016
Translation from *Entomologicheskoe Obozrenie* 38(3):652-654. 1959.
Issued by CFSTI.
Diptera
- 1915 ALEXANDER, C. P. New subgenera and species of crane-flies from California (Diptera: Tipulidae). *Pacific Insects* 7(2):333-386. June 20, 1965. 421 P11
Tipula (*Labiotipula*) n. sgen., (*Serratipula*) n. sgen., (*Tipulodinodes*) n. sgen., and n. spp. in *T.* (*Eremotipula*) n. sgen., (*Settipula*) n. sgen., (*Triplipitipula*) n. sgen., (*Beringotipula*), (*T.* (*Hesperotipula*), (*T.* (*Lindneria*), (*T.* (*Lunatipula*), (*T.* (*Pterelachus*), (*T.* (*Sinotipula*), and *T.* (*Trichotipula*).
- 1916 ALLEN, A. A. *Opomyza lineatopunctata* v. *Roa* (Dipt., Opomyzidae) in Surrey, with a note on two other species of the genus. *Entomol. Mon. Mag.* 101(121/1213):109. Apr./June 1965. 421 En86
Opomyza punctata and *O. germinationis*.
- 1917 ALLEN, A. A. *Rhamphomyia* *atra* Mg. (Dipt., Empididae): a further Kent record. *Entomol. Mon. Mag.* 101(121/1213):109. Apr./June 1965. 421 En86
- 1918 AMIRGAZIEV, K. Fauna of horseflies of the northern coast of the Caspian Sea. (Rus) *Med. Parazitol. Parazitarn. Bolezn* 35(3):372-373. May/June 1966. 448.8 M469
English summary.
- 1919 ARTIGAS, J. N. The genus *Diogmites* (robber flies) in eastern United States (Diptera: Asilidae). *Ohio J. Sci.* 66(4):401-421, map. Ref. July 1966. 410 Oh3
Includes n. sp.
- 1920 AYALA, F. J. *Drosophila dominicana*, a new sibling species of the serrata group. *Pacific Insects* 7(3):620-622. Oct. 15, 1965. 421 P11
- 1921 BAILLY-CHOUMARA, H. Contribution to the study of *Culex* (Neoculex) (Diptera, Culicidae) from the Ethiopian Region; description of *Culex* (Neoculex) *pseudoandreaus* n. sp. (Fr) *Soc. Pathol. Exot. Bull.* 58(4):660-664. July/Aug. 1965. 448.9 Sol3
English summary.
- 1922 BAILLY-CHOUMARA, H., and PAJOT, F. X. Contribution to the study of *Culex* (Neoculex) from the Ethiopian Region (Diptera, Culicidae); description of the larvae and nymphs of *Culex* (Neoculex) *pseudoandreaus* Bailly-Choumara. (Fr) *Soc. Pathol. Exot. Bull.* 58(4):665-671. July/Aug. 1965. 448.9 Sol3
- 1923 BAILLY-CHOUMARA, H. Description of larvae and nymphs of *Aedes* (Neomelaniconion) *taeniarostris* Theobald 1910; observations on color variation of the imago. (Fr) *Soc. Pathol. Exot. Bull.* 58(4):671-676. July/Aug. 1965. 448.9 Sol3
English summary.
- 1924 BAILLY-CHOUMARA, H. The presence of *Mansonia* (*Couilletiella*) *richiardii* (Ficalbi) 1936, and of *Mansonia* (*Couilletiella*) *buxtoni* (Edwards) 1923 in Morocco, first collected species of the genus *Mansonia* Blanchard 1901 in North Africa (Diptera, Culicidae). (Fr) *Soc. Pathol. Exot. Bull.* 58(4):676-679. July/Aug. 1965. 448.9 Sol3
English summary.
- 1925 BEYER, E. M. New and little known Phoridae, chiefly from the Bishop Museum, Honolulu (Diptera: Phoridae). (Ge) *Pacific Insects* 8 (1):165-217. May 10, 1966. 421 P11
English summary.
Includes n. spp. in *Dioplineura*, *Stichillus*, *Paraphiura* n. g., *Phalacrotophora*, *Woodiophora*, *Platophora*, *Megaselia*, *Metopina*, and *Pseudacteon*.
- 1926 BRAM, R. A. *Culex* (Thaionomyia) *dispectus*, a new subgenus and species from Thailand. *Entomol. Soc. Wash. Proc.* 68(2):73-77. June 1966. 420 W27
- 1927 CHAO, C. M. The flies of Larvaevoridae family in the fauna of China. VIII. Genus *Chaetoxista* B.B. (Ch. Acta Zootaxonomica Sinica 2 (2):101-105. 1965. Not in Libr.
Includes n. spp.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 44:13. Feb. 24, 1966. (JPRS 34,281; TT 66-30722) 241.7 Un34C
Issued by CFSTI.
- 1928 CHILLCOTT, J. G. The male of *Fannia shina-hamae* Chillcott (Diptera: Muscidae) and its proper affinities in the genus. *Can. Entomol.* 98(5):555-557. May 1966. 421 C16
- 1929 CHILLCOTT, J. G., and JAMES, H. G. A new species of *Paraprosalpia* Villeneuve (Diptera: Anthomyiidae) reared from a beetle larva [*Dytiscus fasciventris*]. *Can. Entomol.* 98(7):699-702. 421 C16
Paraprosalpia dytisci n. sp.

- 4930 DELFINADO, M. D. Two undescribed species of Uranotaenia from the Philippines (Diptera: Culicidae). J. Med. Entomol. 3(1):36-37. Apr. 1966. 421 J828
Uranotaenia rossi n. sp. and U. philippinensis n. sp.
- 4931 DU MERLE, P. Model of a cage facilitating collecting of eggs of *Villa quinquefasciata* Wied AP. Meig. (Diptera, Bombyliidae). (Fr) Entomophaga 11(3):325-330. 1966. 421 En835
English summary.
- 4932 FAIRCHILD, G. B. Notes on Neotropical Tabanidae (Diptera). V. The species described by G. Enderlein. J. Med. Entomol. 3(1):1-19. Ref. Apr. 1966. 421 J828
- 4933 FAIRCHILD, G. B. Some new synonyms in Tabanidae (Diptera). Entomol. Soc. Wash. Proc. 68(2):94-96. June 1966. 420 W27
- 4934 FONSECA, E. C. M. A short key to the British Drosophilidae (Diptera) including a new species of *Amiota*. Soc. Brit. Entomol. Trans. 16(10):233-244. Dec. 1965. 420 S015
- 4935 GAUNITZ, S. Find of horseflies (Tabanidae). (Sw) Entomol. Tidskr. 86(3/4):270-271. 1965. 421 En891
- 4936 GORODKOV, K. B. Forest fauna of Helomyzidae (Diptera) of eastern Siberia and the Far East of the USSR. (Rus) Entomol. Obozrenie 44(4):927-933. Ref. 1966. 421 R322
Includes n. spp. in *Sullia*.
- 4937 GREGOR, F. Redescription of *Themira gracilis* Zett. and observations on the ecology and synanthropy of species of *Themira* (Diptera, Sepsidae). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):76-83. Ref. Jan. 20, 1966. 420 C33
- 4938 HARMSTON, F. C., and MILLER, L. S. New and little known Dolichopodidae from the Pacific Northwest and Intermountain areas. Entomol. Soc. Wash. Proc. 68(2):88-93. June 1966. 420 W27
New spp. in *Campsicnemus*, *Syntormon*, and *Systemus*.
- 4939 LAMERTON, J. F. A key to the genera of Hippoboscidae (Diptera; Pupipara), and to the species of Hippobosca, in Africa. East Afr. Agr. Forest. J. 31(1):1-7. July 1965. 24 Ea74
- 4940 LECLERCQ, M. Switzerland's Tabanidae (Diptera). (Fr) Schweiz. Entomol. Ges. Mitt. 38(3/4):241-246. Mar. 15, 1966. 420 Sw6
- 4941 MAMAEV, B. M., and KRIVOSHEINA, N. P. New data on the taxonomy and biology of Diptera of the family Axymyiidae. (Rus) Entomol. Obozrenie 45(1):168-180. Ref. 1966. 421 R322
Includes *Protaxyminia* n. g.
- 4942 MCALPINE, J. F., and MARTIN, J. E. H. Systematics of Sciadoceridae and relatives with descriptions of two new genera and species from Canadian amber and erection of family Ironomyiidae (Diptera: Phoridae). Can. Entomol. 98(5):527-544, map. Ref. May 1966. 421 C16
The n. fam. Ironomyiidae is proposed for *Ironomyia nigromaculata* White from Tasmania.
- 4943 MOROZOV, V. A. Detection of *Aedes* (O.) rusticus Rossi in the Krasnodar Region. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):371-372. May/June 1966. 443.8 M469
- 4944 NACATOMI, A. The Arthroceras of the world (Diptera: Rhagionidae). Pacific Insects 8(1):43-60. May 10, 1966. 421 P11
Includes n. spp.
- 4945 NARCHUK, E. P. Contributions to the study of Chloropidae (Diptera) of Siberia and the Far East of the USSR. III. A revision of the genus *Centorisoma* Beck. (Rus) Entomol. Obozrenie 44(4):934-945, map. 1966. 421 R322
Includes n. spp.
- 4946 OKADA, T. Diptera from Nepal, *Cryptochaetidae*, *Diastatidae* & *Drosophilidae*. Brit. Mus. (Natur. Hist.) Bull. Entomol. Suppl. 6, 129 p. Ref. p. 124-127. May 1966. 420 B773
Includes n. spp. in *Diastata*, *Apsinota*, *Leucophaga*, *Microdrosophila*, *Lissodrosophila* n. g., *Liodrosophila*, *Chaetodrosophilella*, *Scaptomyza*, *Diathoneura*, and *Drosophila*.
- 4947 PHILIP, C. B. New North American Tabanidae. XVIII. New species and addenda to a Nearctic catalog. Entomol. Soc. Amer. Ann. 59(3):519-527. Ref. May 1966. 420 En82
New spp. in *Hybomitra*, *Esenbeckia*, *Apatolestes*, *Tabanus*, *Stibasoma*, and *Dichelacera*.
- 4948 PHILIP, C. B., and WEEMS, H. V. Rediscovery of *Chrysops* (Liochrysops) *halyalus* and new records of *C. abatus* (Diptera: Tabanidae). Fla. Entomol. 49(2):115-117. June 1966. 420 F662
- 4949 PIPKIN, S. B. New synonymy in *Drosophilidae* (Diptera). Entomol. Soc. Wash. Proc. 68(2):131. June 1966. 420 W27
Drosophila flexipalosa synonym of *D. immigrans*.
- 4950 PONT, A. C. On a misidentified Ethiopian species of the genus *Dichaetomyia* Malloch (Diptera, Muscidae). (Ge) Beitr. Entomol. 16(1/2):217-220. 1966. 421 B392
English summary.
Spilogaster analis Stein.
- 4951 QUATE, L. W. Redescription of *Brunettia biformis* Edwards (Diptera: Psychodidae). Pacific Insects 7(4):796-798. Dec. 30, 1965. 421 P11
- 4952 QUATE, L. W. A taxonomic study of Philippine Psychodidae (Diptera). Pacific Insects 7(4):815-902. Dec. 30, 1965. 421 P11
Includes n. spp. in *Sycorax*, *Trichomyia*, *Telmatoscopus*, *Paratelmatoscopus*, *Notiocharis*, *Brunettia*, *Trichopsychoda*, *Epacretion*, n. g., *Philosepedon* and *Psychoda*.
- 4953 RICHARDS, O. W. Three preoccupied names in Diptera, *Sphaeroceridae*. Entomol. Mon. Mag. 101(121/1213):121. Apr./June 1965. 421 En86
Leptocera maculinea n. n., *L. minimella* n. n., and *L. sylvicola* n. n.
- 4954 RIKHTER, V. A. New and little-known genera and species of robberflies (Diptera, Asilidae) in the fauna of the USSR. (Rus) Entomol. Obozrenie 45(2):413-433. Ref. 1966. 421 R322
New spp. in *Dioctria*, *Stichopogon*, *Rhadinus*, *Saropogon*, *Eremisia*, *Marikovskia*, *Theurgus* n. g., and *Erebunus* n. g.
- 4955 RIOUX, J. A., and DESCOUS, S. Presence in France of *Leptoconops bezzi* Noe 1905 and a new mention of *Leptoconops irritans* Noe 1905 (Diptera, Ceratopogonidae). (Fr) Cah. Natur. (n.s.) 22(1):6-8. Ref. 1966. 410 F432
- 4956 ROBACK, S. S. Notes on Tanypodinae types in European museums (Dipt.: Chironomidae). Entomol. News (Philadelphia) 77(5):113-132. Ref. May 1966. 421 En88
- 4957 ROBINSON, H. A revision of the Neotropical genus *Symbolia* (Diptera: Dolichopodidae). Entomol. Soc. Amer. Ann. 59(3):489-496. May 1966. 420 En82
Includes n. spp.
- 4958 RODENDORF, B. B., and TERNOVOI, V. I. Occurrence of southern species of flies of the genus *Wohlfahrtia* (Diptera, Sarcophagidae) in Kalmyk USSR. (Rus) Entomol. Obozrenie 44(4):838-840. 1966. 421 R322
Wohlfahrtia nuba.
- 4959 ROZKOSNY, R., and SPITZER, K. Rhagionidae (Diptera) in Czechoslovakia. (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 62(5):340-368. Ref. Sept. 20, 1965. 420 C33
- 4960 SASAKAWA, M. Studies on the Oriental and Pacific Clusiidae (Diptera). 1. Genus *Heteromeria* Czerny, with one new related genus. Pacific Insects 8(1):61-100. May 10, 1966. 421 P11
Includes n. spp. in *Heteromeria* and *Tranomeria* n. g.
- 4961 SEGUY, E. A new *Scopemia* from equatorial Africa (Diptera, Cordyluridae). (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser. 2) 37(4):610-612. 1965. 410.9 P213
Scopemia foetulectum n. sp.
- 4962 SHCHERBINA, V. P. Detection of *Anopheles algeriensis* Theob. (Diptera, Culicidae) in Rostov-on-Don. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):371. May/June 1966. 443.8 M469

- 1963 SMART, J., and CLIFFORD, E. A. Simuliidae (Diptera) of the Territory of Papua and New Guinea. Pacific Insects 7(3):505-619. Ref. Oct.15,1965. 421 P11
All are Simulium spp. including n. spp.
- 1964 SPENCER, K. A. A clarification of Fallen's type specimens of Agromyzidae (Diptera) in Stockholm and Lund. Entomol. Tidsskr. 86(3/4):249-259. Ref. 1965. 421 En891
- 1965 SPENCER, K. A. A clarification of the genus Napomyza Westwood (Diptera: Agromyzidae). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(3/4):29-40. Ref. Apr.30,1966. 420 L84Pb
Includes n. spp.
- 1966 SPENCER, K. A. A new Phytomyza [P. lanati] species from California. Pan-Pacific Entomol. 42(2):108-110. Apr.1966. 421 P193
- 1967 SPENCER, K. A. A revision of European species of the genera Melanagromyza Hendel and Hexomyza Enderlein, with a supplement on the genus Ophiomyia Braschnikov (Diptera: Agromyzidae). Beitr. Entomol. 16(1/2):3-60. Ref. 1966. 421 B392
Includes n. spp. in Melanagromyza and Ophiomyia.
- 1969 STAKEL'BERG, A. A. New data on the taxonomy of Palaearctic hover-flies (Diptera, Syrphidae). (Rus) Entomol. Obozrenie 44(4):907-926. Ref. 1966. 421 R322
Eumerus ferulae n. sp.
- 1969 STARY, J. Some species of the subfamily Limoniinae new for Czechoslovakia (Diptera, Tipulidae). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):84-87. Ref. Jan.20,1966. 420 C33
- 1970 STEYSKAL, C. A case of homonymy in the genus Hercostomus (Dolichopodidae) Hercostomus synolcus, new name. Entomol. Soc. Wash. Proc. 68(2):169. June 1966. 420 W27
For Gymnotermus convergens Van Duzee, 1920.
- 1971 STEYSKAL, G. C. Notes on the genus Pygophora Schiner, with the description of one new species (Diptera: Muscidae). Pacific Insects 8(1):14-16. May 10,1966. 421 P11
Pygophora nebulifera n. sp.
- 1972 TESCHNER, D. Symmisch costatus Loew, 1857, ssp. frisch sp. nov. (Diptera, Nemestrinidae). Zool. Anz. 175(4/6):366-367. Oct./Dec.1965. 410 Z7
Text in German.
- 1973 THOMPSON, P. H., and DEFOLIART, G. R. New distribution records of biting Diptera from Wisconsin. Entomol. Soc. Wash. Proc. 68(2):55. June 1966. 420 W27
Aedes grossbecki, Psorophora varipes, and Leptoconops catababae.
- 1974 TJEDER, B. Faunistic notes on Norwegian Tipulidae (Diptera). Norsk Entomol. Tidsskr. 13(1/2):41-46. 1965. 421 N812
- 1975 TREHEN, P. Diptera Empididae from western France. (Fr) Cah. Natur. (n.s.)22(1):1-3. Ref. 1966. 410 F432
- 1976 VIOLOVITCH, N. A. Fauna of biting Diptera in Tuva. (Rus) Entomol. Obozrenie 44(4):832-838. 1966. 421 R322
English summary.
- 1977 WEISMAN, K. E. Sphecomyia (Diptera: Syrphidae) a taxonomic and descriptive analysis. Entomol. News [Philadelphia] 77(7):189-199. July 1966. 421 En88
- 1979 WILCOX, J. New species and keys to the species of Ablautus Loew and Omniaulatus Pritchard (Diptera: Asilidae). Can. Entomol. 98(7):673-682. Ref. July 1966. 421 C16
- 1979 WILCOX, J. New species [Saropogon bryanti] and a key to the species of Saropogon Loew. Pan-Pacific Entomol. 42(2):127-136. Ref. Apr.1966. 421 P193
- 1980 ZIMIN, L. S. New parasitic flies of the tribe Tachinini (Diptera Larvaevoridae) from the USSR. (Rus) Entomol. Obozrenie 44(4):946-950. 1966. 421 R322
New spp. in Peletieria and Linnaemyia.
- 1981 ZIMIN, L. S. Review of the tribe Gymnosomatini (Diptera, Tachinidae) of the USSR, parasitizing plant eating bugs. (Rus) Entomol. Obozrenie 45(2):424-456. Ref. 1966. 421 R322
Includes n. spp. in Pallasia, Stylogymnomyia, and Gymnosoma.
- 1982 ZUSKA, J. Some instances of mass occurrence of Thaumatomyia notata Meigen (Diptera, Chlopidae). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):88. Jan.20,1966. 420 C33

Hemiptera (Heteroptera and Homoptera)

- 1993 DANTSIG, E. M. Contributions to the knowledge of the whiteflies (Homoptera, Aleyrodidae) of the Maritime Territory. (Rus) Entomol. Obozrenie 45(2):364-386. Ref. 1966. 421 R322
English summary.
Include n. spp. in Aleurochiton, Aleyrodes, Bemisia, Neobemisia, Asterobemisia, Bemisiella, and Aleyrodella n. g.
- 1984 DELONG, D. M., and FREYTAG, P. H. Studies of the Gynopinae: A synopsis of the genus Acusana Delong (Homoptera, Cicadellidae). Ohio J. Sci. 66(1):42-63. Jan.1966. 410 Oh3
Includes n. spp.
- 1985 DE LOTTO, G. Descriptions of three new species of Coccus (Homoptera: Coccidae) from South Africa. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(3/4):41-46. Apr.30, 1966. 420 L84Pb
Coccus callosus n. sp., C. leurus n. sp., and C. scutellus n. sp.
- 1986 EMELEYANOV, A. F. New Palaearctic and certain Nearctic cicadas (Homoptera, Auchenorrhyncha). (Rus) Entomol. Obozrenie 45(1):95-133. Ref. 1966. 421 R322
Includes Niphisa n. g., Matuta n. g., Dorycara n. g., Acharis n. g., Sigista n. g., Zelenius n. g., and n. spp. in Eurybregma, Eucanthus, Melicharella, Phytoetix, Allygus, Sclerocarus, Limotetix, Doratura, Palus, Sorhoanus, Adarrus, Arthaldeus, Diplococcus, Pinumius, Futasujinus, Jassargus, Borcotetix, Mocuellus, Psammotetix and Tetalmimus.
- 1987 GOMEZ-MENOR, J. The Callaphidae of Spain (Insecta, Homoptera). (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(1/2):105-171. 1965. 442.9 S018
English summary.
- 1988 GYLLENSVARD, N. Aradus longirostris n. sp. Entomol. Tidsskr. 86(3/4):246-248. 1965. 421 En891
Text in German.
- 1989 HEPNER, L. W. New species of Erythroneura related to campora (Homoptera: Cicadellidae). Fla. Entomol. 49(2):101-106. June 1966. 420 P662
- 1990 HEPNER, L. W. New species of Erythroneura related to lena (Homoptera: Cicadellidae). Fla. Entomol. 49(2):95-100. June 1966. 420 P662
- 1991 HERRING, J. L. The Anthocoridae of the Galapagos and Cocos Islands (Hemiptera). Entomol. Soc. Wash. Proc. 68(2):127-130. June 1966. 420 W27
Includes Lasiochilus ashlocki n. sp. and Nidicola mazda n. sp.
- 1992 HERRING, J. L. The correct name for an anthocorid predator [Montandoniella moraguesi] of the Cuban laurel thrips [Gynaikothrips ficorum] (Hemiptera: Anthocoridae). Entomol. Soc. Wash. Proc. 68(2):93. June 1966. 420 W27
- 1993 KNIGHT, H. H. Keltonia, a new genus near Reuteroscopus Kirk., with descriptions of new species (Hemiptera: Miridae). Can. Entomol. 98(6):590-591. June 1966. 421 C16
Includes n. spp.
- 1994 KORMILEV, N. A. Notes on Neotropical Aradidae. XV. (Hemiptera, Heteroptera). Opusc. Zool. 84,7 p. Dec.15,1965. 410 Op7
Includes n. spp. in Aneurus and Proxius.
- 1995 KORMILEV, N. A. On some Aradidae from Africa and Polynesia (Hem. Heteroptera). Eos 41(2/3):387-394. 1965, pub.1965. 421 Eo7
Includes n. spp. in Neuroctenus, Usingeria, and Mezira.

- 4996 KUBOTA, M., and SHIBAMOTO, S. Collecting method of plant hoppers and leaf hoppers. 4 p. Transl. 16128
Translation from Kanto Tozan Plant Disease and Insect Pest Research Society. Annual Report 11:62. 1964.
- 4997 LAMBERS, D. H. R. On some Japanese Aphididae (Homoptera). Tijdschr. Entomol. 108 (7):189-203. Ref. 1965. 421 T21
Includes n. spp. in Cryptomyzus, Cavariella, Matsumuraja and Ryoichitakahashia n. g., Neodyssaphis n. g., Juncomyzus n. g. and Longicaudinus n. g.
- 4998 LANSBURY, I. A revision of the Stenocephalidae Dallas 1852 (Hemiptera-Heteroptera). Entomol. Mon. Mag. 101(1211/1213):73-92. (Cont.) Apr./June 1965. 421 En86
Includes n. spp. in Dicaeronephalus.
- 4999 LEONARD, M. D. Further records of Missouri aphids. Entomol. Soc. Wash. Proc. 68(2): 97-99. June 1966. 420 W27
Includes food plants and new host plant records.
- 5000 LOGVINENKO, V. N. New species of leafhoppers (Homoptera, Auchenorrhyncha) from the Caucasus and Moldavia. (Rus) Entomol. Obozrenie 45(2):401-410. 1966. 421 R322
New spp. in Edwardsiana, Eupteryx, Chlorita, Jassargus, Diplocolenus, Adarrus, Psammotettix and Aphrodes.
- 5001 PELAEZ, D. Studies of Membracidae. VIII. A new species of Aconophora [Aconophora miranda] from Carica papaya (Hemiptera, Homoptera). (Sp) Ciencia 24(5/6):259-266. Ref. Jan. 1966. 475 C48
English summary.
- 5002 REICHART, C. V. A new species of Zeridoneus from Utah (Hemiptera, Lygaeidae). Ohio J. Sci. 66(3):347-348. May 1966. 410 Oh3
Zeridoneus petersoni n. sp.
- 5003 RICHARDS, W. R. A new species of Myzocallis Passerini, with a key to the North American species (Homoptera: Aphididae). Can. Entomol. 98(8):876-880. Aug. 1966. 421 C16
Myzocallis agrifolcola n. sp.
- 5004 RICHARDS, W. R. A review of Monelliopsis Richards, with descriptions of two new species (Homoptera: Aphididae). Can. Entomol. 98(8): 798-807. Ref. Aug. 1966. 421 C16
- 5005 RICHARDS, W. R. A review of Plocamaphis Oestlund with descriptions of three new species (Homoptera: Aphididae). Can. Entomol. 98(8): 835-851. Ref. Aug. 1966. 421 C16
Plocamaphis bradleyi, P. bulbosa, and P. ontarioensis n. spp.
- 5006 SCHAEFER, C. W. The morphology and higher systematics of the Idiostolidae (Hemiptera: Lygaeidae). Entomol. Soc. Amer. Ann. 59(3): 602-613. Ref. May 1966. 420 En82
- 5007 SCUDDER, G. G. E. The Notonectidae (Hemiptera) of British Columbia. Entomol. Soc. Brit. Columbia. Proc. 62:38-41. 1965. 420 B77
- 5008 SJOGREN, R. D., and RYCKMAN, R. E. Epizootiology of Trypanosoma cruzi in southwestern North America. VIII. Nocturnal flights of Triatoma protracta (Uhler) as indicated by collections at black light traps (Hemiptera: Reduviidae: Triatominae). J. Med. Entomol. 3(1):81-92. Ref. Apr. 1966. 421 J828
- 5009 SLATER, J. A., and ASHLOCK, P. D. Atrazonotus, a new genus of Goniatotini from North America (Hemiptera: Lygaeidae). Entomol. Soc. Wash. Proc. 68(2):152-156. June 1966. 420 W27
- 5010 STYS, P. Revision of the genus Dayakiella Horv. and notes on its systematic position (Hemiptera, Colobathristidae). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):27-39. Ref. Jan. 20, 1966. 420 C39
Includes Dayakiella sumatrensis n. sp. and Dayakiellinae n. sfam.
- 5011 THELMA, W., GUNAWARDANE, T. P., and KARUNARATNE, P. B. The genus Hydrometra (Hemiptera, Heteroptera) in Ceylon, with description of a new species [Hydrometra greeni]. Spolia Zeylanica 30(2):233-244, map. Ref. Dec. 25, 1965. 410.9 Sp6
- 5012 U. S. AGRICULTURAL RESEARCH SERV. General catalogue of the Homoptera. Fascicle VI. Cicadelloidea. 13. Macropsidae, by Z. P. Metcalf. Washington, 1966. 261 p. 431 H78Gc
Contribution from North Carolina Agricultural Experiment Station.
- 5013 WADE, V. General catalogue of the Hemiptera; species index of the Membracidae and fossil Homoptera (Homoptera: Auchenorrhyncha). A supplement to Fascicle I - Membracidae of the general catalogue of the Hemiptera. Raleigh, N. C., 1966. 40 p. 431 H78Gc
Contribution from North Carolina Agricultural Experiment Station. Published by North Carolina State University at Raleigh.
- 5014 WAGNER, E. Atractotomus striatus sp. n. (Hem. Het. Miridae). Deut. Entomol. Ges. Mitt. 24(5/6):84-85. Dec. 15, 1965. 420 D482
Text in German.
- 5015 WHITTAKER, J. B. Some Homoptera Auchenorrhyncha from the Ainsdale Sand Dunes National Reserve, Lancashire. Entomol. Mon. Mag. 101(1211/1213):124. Apr./June 1965. 421 En86
Great Britain.
- 5016 WOLFENBARGER, D. O. Aphid trap collections over a three-year period from four southern Florida locations. J. Econ. Entomol. 59 (4):953-954. Aug. 1966. 421 J822
- 5017 WOODROFFE, G. E. A note on some Hemiptera from the Aviemore District, Inverness-shire. Entomol. Mon. Mag. 101(1211/1213): 143-144. Apr./June 1965. 421 En86

Hymenoptera

- ALBERTI, I. D. New contribution to the study of Dacnusiini of Spain (Hymenoptera, Braconidae). (Sp) Graellsia 21:25-39. Jan./Dec. 1965. 421 G75
Includes Chorebidea dolsi n. sp. and Gyrocampa asini n. sp.
- 5019 AUBERT, J. F. The ichneumon flies Scambus Htg., Acropimpla Townes and Isoropus Forst. from the Zoological Museum at Lausanne, with new keys for all European species. (Fr) Schweiz. Entomol. Ges. Mitt. 38(3/4):145-172. Ref. Mar. 15, 1966. 420 Sw6
- 5020 BAI TAZAR, C. R. Generic synonymy and new combinations in some Indo-Australian braconids and eucharitid (Hymenoptera). Pacific Insects 8(1):217-220. May 10, 1966. 421 P11
- 5021 BEAUMONT, J. DE. Hymenoptera collected by J. Mateu in the Ennedi. (Fr) Inst. Franc. Afr. Noire. Bull. Ser. A, Sci. Natur. 27(2):772-773. Apr. 1965. 515 D14
- 5022 BEAUMONT, J. DE. Some Sphecidae from Egypt (Hymenoptera). (Fr) Schweiz. Entomol. Ges. Mitt. 38(3/4):203-212. Mar. 15, 1966. 420 Sw6
Includes n. spp. in Cerceris and Bembix.
- 5023 BOHART, R. M. A review of Aphilanthops and related genera (Hymenoptera: Sphecidae). Entomol. Soc. Wash. Proc. 68(2):158-167. June 1966. 420 W27
Includes Clypeadon evansi n. sp.
- 5024 BRADLEY, J. C., and BETREM, J. G. Burmeister's work on Scolidae with especial reference to types and synonymy (Hymenoptera: Scolidae). Beitr. Entomol. 16(1/2):73-84. Ref. 1966. 421 B392
- 5025 CALTAGIRONE, L. E. A new Pentalitomastix [p. plethoricus] from Mexico (Hymenoptera: Encyrtidae). Pan-Pacific Entomol. 42(2):145-151. Ref. Apr. 1966. 421 P193
- 5026 CEBALLOS, G. The genus Helorus Latr. (Hymenoptera, Proctotrupidae), (Sp) Graellsia 21:11-16. Jan./Dec. 1965. 421 G85
- 5027 CEBALLOS, G. Novelities in Hymenoptera of Spain and comments on some species. (Sp) Graellsia 21:17-23. Jan./Dec. 1965. 421 G75
- 5028 CEBALLOS, G. A Parevania species from the Mediterranean area (Hymenoptera, Evanidae). (Sp) Eos 41(2/3):199-204. 1965, pub. 1966. 421 E67
Parevania ortegae n. sp.

- 5029 CHANDLER, L. The female of *Andrena cerebatata* Mitchell (Hymenoptera: Andrenidae). Pan-Pacific Entomol. 42(2):89-90. Apr. 1966. 421 P193
- 5030 COLE, A. C. Keys to the subgenera, complexes, and species of the genus *Pogonomyrmex* (Hymenoptera: Formicidae) in North America, for identification of the workers. Entomol. Soc. Amer. Ann. 59(3):526-530. May 1966. 420 En82
- 5031 CRUDEN, R. W. Observations on the behavior of *Xylocopa californica* and *X. tabaniformis* orpifex (Hymenoptera: Apoidea). Pan-Pacific Entomol. 42(2):111-119. Apr. 1966. 421 P193
- 5032 DINIZ, M. DE A. Notas sobre himenopterose de Portugal. IV. Os efecineos (Hym. Spec.), de Portugal continental no Museu Zoológico da Universidade de Coimbra [Notes on Hymenoptera of Portugal. IV. The Sphecinae (Hymenoptera, Sphecidae) of continental Portugal in the Zoological Museum of Coimbra University]. Coimbra. Univ. Mus. Zool. Mem. Estud 294, 5 p. 1965. 410.9 C66
- 5033 FISCHER, M. *Aspilodemon*, a new genus of Opiinae from Brazil (Hymenoptera, Braconidae). (Ge) Entomophaga 11(2):161-176. 1966. 421 En835
Includes n. spp.
- 5034 FISCHER, M. Neotropical Opiinae (Hymenoptera, Braconidae). (Ge) Naturhist. Mus. Wien. Ann. 68:467-441. Ref. 1964, pub. 1965. 410.9 V672
Includes n. spp. in Opius, and Neopius.
- 5035 FISCHER, M. New Neotropical species of Opius from the U. S. National Museum at Washington (Hymenoptera, Braconidae). (Ge) Beitr. Entomol. 16(1/2):85-150. Ref. 1966. 421 B392
English summary.
- 5036 FISCHER, M. Studies on Braconidae (Hymenoptera). (Ge) Z. Angew. Zool. 53(2):215-236. Ref. 1966. 449.8 Z36
Includes n. spp. in *Spathius* and *Opius*.
- 5037 FISHER, J. P. A further British record of *Spilochalcis xerostigma* Dalman (Hym., Chalcidae). Entomol. Mon. Mag. 101(1211/1213): 115. Apr./June 1965. 421 En86
- 5038 GRAHAM, M. W. R. DE V. A revision of the European species of *Dinocarsis* Forster (Hymenoptera, Chalcidoidea, Encyrtidae). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(2): 111-115. Ref. Mar. 20, 1966. 420 C33
Includes *Dinocarsis hofferi* n. sp.
- 5039 GUIGLIA, D. Le specie di imenotteri descritte da F. E. Guérin-Meneville che si trovano a Munchen [Zoologische Sammlung des Bayerischen Staates] [Species of Hymenoptera described by F. E. Guérin-Meneville, located at Munich in the Zoological Collection of the Bavarian State] [Zoologische Sammlung des Bayerischen Staates]. Opusc. Zool. 87, 2 p. Dec. 15, 1965. 410 Op7
- 5040 HORNING, D. S. Distribution records for the genus *Dioxys* in the Pacific Northwest (Hymenoptera: Megachilidae). Entomol. Soc. Wash. Proc. 68(2):157. June 1966. 420 W27
Dioxys aurifuscus, D. *pomaneae*, and D. *productus*.
- 5041 JUNCOS-Y-REYES, J. J. DEL. Hymenoptera of Spain: Pompilidae (Psammocharidae), genus *Tachyagetes* Hpt. (Sp) Eos 41(2/3):373-386. 1965, pub. 1966. 421 Eo7
Tachyagetes cabrerai n. sp.
- 5042 KLOFT, W. The native species of the "reed forest ant" [Formica spp.]. (Ge) Deut. Bienenwirtsch. 17(7):177-180. July 1966. 424.8 D489
Identification.
- 5043 KNERER, G., and ATWOOD, C. E. Additional descriptions in the genus *Dialictus* Robertson (Hymenoptera: Halictidae). Can. Entomol. 98(8):881-887. Aug. 1966. 421 C16
- 5044 LITH, J. P. VAN. The group of *Psenulus pulcherrimus* Bingham (Hymenoptera, Sphecidae). Tijdschr. Entomol. 109(2):35-48, map. Ref. 1966. 421 T21
Chiefly geographic distribution.
- 5045 LOAN, C. C. A new species of *Leiothrips* Nees (Hymenoptera, Braconidae, Euphorinae) with observations on its biology and that of its host, *Plagiognathus* sp. (Heteroptera, Miridae). Ohio J. Sci. 66(1):89-94. Ref. Jan. 1966. 410 Oh3
Leiothrips plagiognathi n. sp.
- 5046 MACKAUER, M. A new aphid parasite (Hym., Aphididae) from West Africa. Entomol. Mon. Mag. 101(1211/1213):116-118. Apr./June 1965. 421 En86
Aphidius camerunensis n. sp. whose host is *Sitobion africanum*.
- 5047 MENKE, A. S. Synonymical notes on New World wasps of the subfamily Sphecinae (Hymenoptera, Sphecidae). Tijdschr. Entomol. 108(8):205-217. Ref. 1965. 421 T21
- 5048 MILLAN DE SANTIS, E., and SANTIS, L. DE. New records of parasitic Hymenoptera from the Argentine Republic. (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1):1-4. 1966. 9 R32
English summary.
- 5049 MOMOI, S. Some new Ichneumonidae (Hymenoptera) from New Guinea and adjacent areas. Pacific Insects 8(1):152-164. May 1966. 421 P11
New spp. in *Tromatobia*, *Dreistachia*, *Acrodactyla*, *Eriostethus*, *Millironia*, *Itopectis*, *Allophimpia* n. g., and *Lycorina*.
- 5050 NIKOLSKAYA, M. N. A new species of *Megastigmus* Dalm. (Hymenoptera, Torymidae) reared from the seeds of *Juniperus semiglobosa* RGL. (Rus) Entomol. Obozrenie 45(2): 411. 1966. 421 R322
English summary.
Megastigmus certus n. sp.
- 5051 NIKOLSKAYA, M. N. A new species of parasite of ixodid ticks, *Ixodiphagus hirtus* Nik. sp. n. (Hymenoptera, Chalcidoidea). 4 p. (TT 64-15645) Transl. 15164
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 12:272-274. 1950.
Issued by CFSTI.
- 5052 OEHLKE, J. A contribution to the synonymy of some species of *Scambus* (Hymenoptera, Ichneumonidae). (Ge) Beitr. Entomol. 16(1/2): 189-191. Ref. 1966. 421 B392
English summary.
- 5053 OEHLKE, J. Ichneumonidae (Hymenoptera) as parasites of the European Diprionidae. (Ge) Beitr. Entomol. 15(7/8):791-879. Ref. 1965. 421 B392
English summary.
Includes taxonomy of Diprionidae.
- 5054 OEHLKE, J. West Palearctic species of the tribe Poemeniini (Hymenoptera, Ichneumonidae). (Ge) Beitr. Entomol. 15(7/8):881-892. Ref. 1965. 421 B392
English summary.
Includes *Necrochelis montanus* n. sp.
- 5055 RICHARDS, O. W. New records of *Pseudomantis* Ashmead (Hymenoptera, Vespidae, Masaridae), with notes on *P. phacelae* Rohwer and *P. cazieri* R. M. Bohart. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(3/4): 47-55. Apr. 30, 1966. 420 L84Pb
Chiefly California.
- 5056 ROZANOV, I. V. Review of the genera of the family Signiphoridae (Hymenoptera, Chalcidoidea). (Rus) Entomol. Obozrenie 44(4):866-884. Ref. 1966. 421 R322
English summary.
Includes *Kerriochiella* n. g.
- 5057 SMITH, D. R. The Nearctic sawflies of the genus *Hemitaxonus* Ashmead (Hymenoptera: Tenthredinidae). Entomol. Soc. Wash. Proc. 68(2):113-120. June 1966. 420 W27
Includes *H. primarius* n. sp.
- 5058 STARY, P. A review of the parasites of aphids associated with *Prunus* trees in Czechoslovakia (Hymenoptera, Aphididae; Homoptera, Aphidoidea). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):67-75. Jan. 20, 1966. 420 C33
- 5059 SUAREZ, F. J. Data on Neotropical Mutillidae. VI. Two new genera of *Pseudomethocini* from Mexico and Brazil (Hymenoptera). (Sp) Eos 41(2/3):471-482. 1965, pub. 1966. 421 Eo7
Includes n. gg. *Invreilla* and *Mickelia*.

- 5060 TKAICU, B. Metallinella n. g. of the family Megachilidae (Hymenoptera, Apoidea). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(3):200-202. May 20, 1966. 420 C33
- 5061 TOBIAS, V. I. Generic groups and evolution of the subfamily Euphorinae (Hymenoptera, Braconidae). I. (Rus) Entomol. Obozrenie 44(4):841-865. Ref. 1966. 421 R322
Includes *Falcocytretus* n. g. and n. sp. in *Perilitus*.
- 5062 TRYAPITSIN, V. A. New Encyrtidae (Hymenoptera) in the Coastal Territory of the USSR. (Rus) Entomol. Obozrenie 44(4):885-906. Ref. 1966. 421 R322
English summary.
Includes n. spp. in *Leptomastidea*, *Leptomastix*, *Dicarnosis*, *Matrella*, *Amaurilyma*, and *Anicetus*.
- 5063 VECHT, J. VAN DER. The East-Asiatic and Indo-Australian species of Polybioides Buysson and Parapolybia Saussure, (Hymenoptera, Vespidae). Leiden, Rijksmus. Naturh. Hist. Zool. Verhandel, 82, 42 p. Ref. Apr. 20, 1966. 410.9 L59Z
Includes n. spp.
- 5064 VIGGIANI, G. Researches on the Hymenoptera Chalcidoidea. I. The Italian species of the genus *Anthemus* How. (Hym. Encyrtidae) and descriptive note on *Eretmocerus masii* Silv. (Hym. Aphelinidae). (It) Portici, Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23:249-264. Ref. 1965. 420 P82B
English summary.
Anthemus evallaspidis and *A. leucaspidis*.
- 5065 WALKLEY, L. M. Authorship of the ichneumonid parasite "*Nepiera benevola* var. *fuscifemora*" (Hymenoptera). Entomol. Soc. Wash. Proc. 68(2):156. June 1966. 420 W27
- 5066 WARNCKE, K. A contribution to the study of the bee genus *Andrena* F. in the Caucasus with description of some new species from southern Europe (Hymenoptera). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(2):116-127. Ref. Mar. 20, 1966. 420 C33
Andrena melba n. sp., *Andrena clusia* n. sp. and *Andrena combaella* n. sp.
- 5067 WEBER, N. A. The subgenus *Cyphomomyx* Mayr 1862, reinstated, and systematic notes (Hymenoptera: Formicidae). Entomol. News [Philadelphia] 77(6):166-168. June 1966. 421 En88
- 5068 WILLE, A. A new species of stingless bee (Meliponini) from Costa Rica. Rev. Biol. Trop. 13(1):139-141. July 1965. 442.8 R328
Trigona discolor n. sp.
- 5069 WILLE, A. The stingless bees of the genus and subgenus *Trigona* (Apidae, Meliponini) of Central America. (Sp) Rev. Biol. Trop. 13(2):271-291. Ref. Dec. 1965. 442.8 R328
English summary.
- 5070 WOLF, H. Two new *Pompilus* species [*Pompilus pseudabnormis* and *P. nivalabnormis*] (Hymenoptera, Pompilidae) from the Naturhistorisches Museum Wien. (Ge) Naturhist. Mus. Wien. Ann. 68:585-592. 1964, pub. 1965. 411.9 V672
- 5071 WONG, H. R. A new species of *Allantus* Panzer on birch [*Betula papyrifera*] (Hymenoptera: Tenthredinidae). Can. Entomol. 98(8):852-854. Aug. 1966. 421 C16
Allantus umbonatus n. sp.
- 5072 YOSHIMOTO, C. M., and YASUMATSU, K. The Eucoilinae of the Ryukyu Archipelago (Hymenoptera: Cynipoidea). Pacific Insects 7(4):643-660. Dec. 30, 1965. 421 P11
Includes n. spp. in *Endecameris*, *Odontecoila*, *Leptolamina*, *Hexacola*, *Rhoptromeris*, and *Pseudeucoila*.
- 5073 YOSHIMOTO, C. M. Synopsis of Hawaiian Eulophidae including Aphelininae (Hym.: Chalcidoidea). Pacific Insects 7(4):665-669. Dec. 30, 1965. 421 P11
Includes *Paauhiana* n. g. and n. sp. in *Sympnensis*.
- 5075 AGENJO, R. Five species of Momphidae new for the Iberian Peninsula, three of which are new for continental Europe. (Sp) Eos 41(2/3):157-162. 1965, pub. 1966. 421 E07
- 5076 AGENJO, R. A new type of *Graellsia* *isabellae* Grills, 1849 (Lepidoptera, Syssphingidae). (Sp) *Graellsia* 21:9-10. Jan./Dec. 1965. 421 G75
- 5077 AGENJO, R. Occurrence in France of the moths *Dolicharthria concoloralis* Obth. 1876 and *Acrobasis singularis* Stgr. 1876 (Pyralidae). (Fr) *Alexanon* 4(6):264-267. 1966. 421 AL2
- 5078 AINLEY, R. G. Plastics in entomology. Entomol. Rec. J. Variation 78(4):98-99. Apr. 1966. 421 En89
For collecting and preserving Lepidoptera.
- 5079 ALBERTI, B. Westasiatische und nordkaukasische Procris F. Funde (Lep. Zygaenidae) [Discoveries of western Asiatic and north Caucasian *Procris* F. (Lepidoptera, Zygaenidae). Opusc. Zool. 88, 11 p. Ref. Dec. 15, 1965. 410 Op7
Includes n. spp.
- 5080 AMSEL, H. G. Results of the Nubian Zoological Expedition. XXIX. (Lepidoptera, Pyralidae, Pterophoridae). (Ge) *Naturhist. Mus. Wien. Ann.* 68:593-607. 1964, pub. 1965. 411.9 V672
Includes n. spp. in *Melatrix*, *Salebria*, and *Nephotyrgia* n. g.
- 5081 BIGOT, L. *Oxyptilus* and *Trichoptilus* species of the French fauna (Lepidoptera, Pterophoridae). (Fr) *Alexanon* 4(5):233-240; (6):279-286. (Concl.) 1966. 421 AL2
- 5082 BLÄTHWAYT, C. S. H. *Vanessa cardui* L. and *Altophila aescularia* Schiff. Entomol. Rec. J. Variation 78(4):104. Apr. 1966. 421 En89
- 5083 BLEZYNSKI, S. Studies on the Crambinae. 42. The Crambinae from Sudan collected by R. Remane in 1962. Opusc. Zool. 86, 8 p. Dec. 15, 1965. 410 Op7
Includes n. spp. in *Zovax* and *Leonardo* n. g.
- 5084 BONNIN, J. Note on the 1965 collecting in Albarracin (Spain). (Fr) *Alexanon* 4(6):276-278. 1966. 421 AL2
Lepidoptera.
- 5085 BORDE, F., and COURTIN, B. In Switzerland, in the search of *Erebia flavofasciata* Heyne (Nymphalidae, Satyrinae). (Fr) *Alexanon* 4(6):255-256. 1966. 421 AL2
- 5086 BOURGOGNE, J. A new *Eumeta* from Angola (Lepidoptera, Psychidae). (Fr) *Rev. Suisse Zool.* 73(1):185-191. May 1966. 410 R324
English summary.
Eumeta mercieri n. sp.
- 5087 BOURGOGNE, J. A new species of Psychidae on cacao plants (Lepidoptera). (Fr) *Soc. Entomol. France. Bull.* 70(9/10):282-285. Nov./Dec. 1965. 420 F84B
Acanthopsyche melanoleuca n. sp.
- 5088 BUCKETT, J. S., and LOUNIBOS, L. P. The little known species *Luperina venosa*: a redescription of the species with additional distributional data. J. Res. Lepidoptera 4(4):227-232, map. Dec. 1965. 421 J827
- 5089 BUCKETT, J. S., and LEUSCHNER, R. H. Rediscovery and redescription of the moth *Lithophane vanduzeei* (Barnes), with notes on the type locality (Lepidoptera: Noctuidae). J. Res. Lepidoptera 4(4):281-286. Dec. 1965. 421 J827
- 5090 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 78(4,sup.):287-(294). (Cont.) Apr. 1966. 421 En89
- 5091 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 78(4,sup.):299-(306). (Cont.) June 1966. 421 En89
- 5092 COLLIER, A. E. Cranleigh butterflies 1965. Entomol. Rec. J. Variation 78(4):87-88. Apr. 1966. 421 En89
- 5093 CONDAMIN, M. Contribution to the fauna of the Congo (Brazzaville): Missions A. Villiers and A. Descarpentries. VI. Lepidoptera Satyridae. (Fr) *Inst. Franc. Afr. Noire, Bull. Ser. A. Sci. Natur.* 27(2):763-771. Apr. 1965. 515 D14

Lepidoptera

- 5074 AGENJO, R. Collecting butterflies with attractants. (Sp) *Graellsia* 21:3-8. Jan./Dec. 1965. 421 G75

- 5094 CONDRASHOFF, S. F. Larval descriptions of *Zeiraphera pacifica* Freeman and *Epinotia hopkinsana* (Kearfott) (Lepidoptera: Olethreutidae). Can. Entomol. 98(7):703-706, July 1966. 421 C16
- 5095 DENIZE, G. Observations on the entomological year 1965 in the Department of Marne. (Fr) Alexonor 4(6):259-263. 1966. 421 AL2
Numbers of Lepidoptera.
- 5096 DENIZE, G. Observations in the Marne (Lycaenidae, Nymphalidae, Arctidae). (Fr) Alexonor 4(6):258. 1966. 421 AL2
Collecting.
- 5097 DESCIMON, H. Apropos of the host plant of *Pibiris ergane* Geyer (Lepidoptera, Pieridae). (Fr) Alexonor 4(5):207. 1966. 421 AL2
*Aethionema saxatile thomasi*ana.
- 5098 DESCIMON, H. Some protective behavior of Lepidoptera. (Fr) Alexonor 4(2):61-66, Ref. 1965. 421 AL2
English summary.
- 5099 DIAKONOFF, A. Records and descriptions of South Asiatic Microlepidoptera. Tijdschr. Entomol. 109(3):49-86. 1966. 421 T21
Includes *Cimeliomorpha* n. g. and n. spp. in *Thymiatris*, *Comorocysta*, *Oditis*, *Casmara*, *Tonica*, *Ethmia*, *Agrioceros*, *Chrysethemia* n. g.
- 5100 DICKSON, C. G. C. A new subspecies of *Pseudonympha trimeni* Butler (Lepidoptera: Satyridae) from the Eastern Cape Province. Entomol. Rec. J. Variation 78(4):85-87. Apr. 1966. 421 En89
- 5101 DUFAY, C. The geographic distribution in France of *Chersotis rectangularis* Schiff. (Noctuidae). (Fr) Alexonor 4(2):58-60. 1965. 421 AL2
- 5102 DUFAY, C. Study of the phototropism of the Noctuidae Lepidoptera; applying it in collecting by light. (Fr) Alexonor 4(2):81-88. 1965. 421 AL2
- 5103 FEARNEHOUGH, T. D. *Oporinia autumnata* Borkh. in the Isle of Wight. Entomol. Rec. J. Variation 78(4):104. Apr. 1966. 421 En89
- 5104 FREEMAN, T. N. New Canadian species of leaf-mining Lepidoptera of conifers. J. Res. Lepidoptera 4(3):209-220. Sept. 1965. 421 J827
New spp. in *Pulicalvaria*, *Eucordylea*, and *Epinotia*.
- 5105 FREEMAN, T. N. A new species of *Zeiraphera* Treitschke from British Columbia (Lepidoptera: Tortricidae). Can. Entomol. 98(6):588-589. June 1966. 421 C16
Zeiraphera pacifica n. sp.
- 5106 GOODSON, A. L. Aberrations of British Macrolepidoptera. Entomol. Rec. J. Variation 78(6):151-153. June 1966. 421 En89
- 5107 GROSS, F. J. Zygaenidae of the genus *Procris* from the Abruzzo area (Lepidoptera). (Ge) Entomol. Z. 76(5):54-55. Mar. 1, 1966. 421 En85
- 5108 HANSON, B. A contribution to the study of Lepidoptera of Gotska Sandön. III. *Horisme aemulata* Hb., a Swedish species found in Gotska Sandön. Characteristic forms for the biotope. New finds for the island. (Sw) Entomol. Tidskr. 86(3/4):178-183. Ref. 1965. 421 En891
English summary.
- 5109 HARDWICK, D. F. A description of a new subspecies of *Helioverpa pallida* Hardwick with notes on the *Heliothidinae* (Lepidoptera: Noctuidae). Can. Entomol. 98(8):867-870. Aug. 1966. 421 C16
- 5110 HARDWICK, D. F. A synopsis of the western-manni group of the genus *Euxoa* Hbn. (Lepidoptera: Noctuidae) with descriptions of two new species. Can. Entomol. 98(7):760-768. July 1966. 421 C16
Euxoa luteomaculata and *E. chimoensis* n. spp.
- 5111 HARMAN, T. W. Season "65." Entomol. Rec. J. Variation 78(4):94-98. Apr. 1966. 421 En89
Collecting and observing Lepidoptera.
- 5112 HOGUE, C. L. A new species of *Basilodes* from the Southwestern United States (Noctuidae). J. Res. Lepidoptera 4(4):275-280. Dec. 1965. 421 J827
Basilodes blanchardi n. sp.
- 5113 HOGUE, C. L., and others. Systematics and life history of *Saturnia* (*Calosaturia*) *albofasciata* in California (Saturniidae). J. Res. Lepidoptera 4(3):173-184. Sept. 1965. 421 J827
F. P. Sala, N. McFarland, and C. Henne, joint authors.
- 5114 HUGGINS, H. C. Notes on the Microlepidoptera. Entomol. Rec. J. Variation 78(5):110-111. May 1966. 421 En89
Accleris lorquiniana.
- 5115 KANSU, I. A. Short notes on some pyralids from Turkey. Ankara Univ. Fac. Agr. Yearbook 1964:32-40. 1965. 25 An42
- 5116 KERNBACH, K. Additional information on some hawk moths (Lepidoptera, Sphingidae). (Ge) Deut. Entomol. Ges. Mitt. 24(5/6):86-90. Dec. 15, 1965. 420 D482
- 5117 IEESTMANS, R. Biogeographic study of the diurnal Lepidoptera of Corsica. (Fr) Alexonor 4(2):89-96. (Cont.) 1965. 421 AL2
- 5118 IEESTMANS, R. Second addenda to the Biogeographic Study of the Diurnal Lepidoptera of Corsica. (Fr) Alexonor 4(5):194-196. 1966. 421 AL2
- 5119 LESSE, H. DE. Impressions of a lepidopterist in Latin America. (Fr) Alexonor 4(5):225-232. 1966. 421 AL2
- 5120 LESSE, H. DE. Impressions of a lepidopterist in South America. (Fr) Alexonor 4(6):242-252. 1966. 421 AL2
- 5121 LIPSCOMB, G. C. An entomologist at war. Entomol. Rec. J. Variation 78(5):121-124. May 1966. 421 En89
Observations of Lepidoptera during World War II in Germany and France.
- 5122 LUHR, C. F. New collections and finds of Lepidoptera. (No) Norsk Entomol. Tidskr. 13(1/2):100. 1965. 421 N812
- 5123 MACKWORTH-PRAED, H. W. France: October 1965. Entomol. Rec. J. Variation 78(5):112-115. May 1966. 421 En89
Collecting and observing Lepidoptera.
- 5124 MALICKY, H. Collecting Lepidoptera during a stay in Switzerland. (Ge) Schweiz. Entomol. Ges. Mitt. 38(3/4):173-182. Ref. Mar. 15, 1966. 420 Sw6
- 5125 MAREK, J., and STARY, J. *Pyrrhia purpurina* Den. et Schiff. (Lepidoptera, Noctuidae) in Moravia. (Cz) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 62(5):407-408. Ref. Sept. 20, 1965. 420 C33
German summary.
- 5126 MCHENRY, P. The generic, specific and lower category names of the Nearctic butterflies. 4. The genus *Euptoieta*. J. Res. Lepidoptera 4(3):205-207. Sept. 1965. 421 J827
- 5127 MORRIS, R. F. Note on the occurrence of *Anacamptis populella* (Clerck) (Lepidoptera: Gelechiidae) in Canada. Can. Entomol. 98(9):1003-1004. Sept. 1966. 421 C16
Apparently the first record in Canada of this pest of poplar.
- 5128 NEW, T. R. Notes on some butterflies seen in Yugoslavia, July 1963. Entomol. Rec. J. Variation 78(6):153-156. June 1966. 421 En89
- 5129 OPHEIM, M. The Norwegian species of *Niditinea* Petersen, 1957 and *Tinea* Linnaeus, 1758 (Lepidoptera, Tineidae). Norsk Entomol. Tidskr. 13(1/2):52-60. Ref. 1965. 421 N812
- 5130 OPHEIM, M. Notes on the Norwegian Tortricidae. III. (Lepidoptera). Norsk Entomol. Tidskr. 13(1/2):23-30. Ref. 1965. 421 N812
- 5131 PLANEIX, P. Altitudinal distribution of *Parnassius appollo* L. and *Parnassius mnemosyne* L. in the Pays-de-Dôme Department (Papilionidae). (Fr) Alexonor 4(2):73-80. 1965. 421 AL2
- 5132 RAMAMANI, S., and RAO, B. R. S. On the identity and nomenclature of the paddy cutworm commonly referred to as *Cirphis unipuncta* Haworth. Indian J. Entomol. 27(3):363-365. Sept. 1965. 420 In23
- 5133 RAMSDEN, E. *Dasypolia templi* Thbg. in north Yorkshire. Entomol. Rec. J. Variation 78(5):133. May 1966. 421 En89

133. May 1966. 421 En89
- 5134 RAMSDEN, E. *Harpyia bicuspis* Borkh. in South Devon. Entomol. Rec. J. Variation 78(5): 133. May 1966. 421 En89
- 5135 REISS, H. A contribution to the *Zygaena* Fauna of Spain (Lep., Zygaenidae). Entomol. Rec. J. Variation 78(6):137-142. June 1966. 421 En89
- 5136 ROBINSON, G. S. Early appearance in Westmoreland. Entomol. Rec. J. Variation 78(6): 158. June 1966. 421 En89
- Agrotis ipsilon* and *Xanthorhoe fluctuata*.
- 5137 ROESLER, U. Collecting Lepidoptera in Damulms, Vorarlberg area. (Ge) Entomol. Z. 76 (5):49-51. Mar.1,1966. 421 En85
- 5138 ROGERS, P. J. *Leucania loreyi* Dup. Entomol. Rec. J. Variation 78(5):111. May 1966. 421 En89
- Text in English.
- 5139 ROSMAN, P. Lepidoptera of the environs of Arlon and neighboring areas. (Fr) *Alexanor* 4 (6):287-288. 1966. 421 AL2
- Rhopalocera and Heterocera.
- 5140 ROUGEOT, P. C. Entomological year, 1965. (Fr) *Alexanor* 4(6):253-254. 1966. 421 AL2
- Collecting and numbers of Lepidoptera.
- 5141 ROUGEOT, P. D. Spring Lepidoptera of the Eastern Pyrenees. The description of a new sub-species of *Aglia tau* (Atacidae). (Fr) *Alexanor* 4(2):68-70. 1965. 421 AL2
- 5142 SADLER, E. A. *Laspeyresia pactolana* Zell. (Lep. Olethreutinae) a species new to the British Isles. Entomol. Rec. J. Variation 78(5): 134. May 1966. 421 En89
- 5143 SAUTER, W. What is *Grapholitha chavanneana* Harpe 1858 (Lepidoptera, Tortricidae)? (Ge) *Rev. Suisse Zool.* 73(2):313-319. Ref. May 1966. 410 R324
- English summary.
- 5144 SYMES, H. *Eriogaster lanestris* L. (the small egg): third and fourth years. Entomol. Rec. J. Variation 78(4):105. Apr.1966. 421 En89
- 5145 TEMPLADO, J. The works of Goldschmidt on *Lymantria dispar* and his opposition to Neo-Darwinism. (Sp) *Real Soc. Espan. Hist. Natur. Bol. Secc. Biol.* 63(1/2):185-192, map. Ref. 1965. 442.9 Sol8
- Speciation.
- 5146 TODD, E. L. A new species of *Opsigalea* Hampson from Texas (Lepidoptera: Noctuidae). Entomol. Soc. Wash. Proc. 66(2):149-151. June 1966. 420 W27
- Opsigalea blanchardi* n. sp.
- 5147 TOULGOET, H. DE. Divagations on sub-species. (Fr) *Alexanor* 4(6):273-275. 1966. 421 AL2
- Taxonomy of Lepidoptera.
- 5148 TOULGOET, H. DE. Fifteen days of collecting in Morocco. (Fr) *Alexanor* 4(5):197-207. 1966. 421 AL2
- Lepidoptera.
- 5149 VALLETTA, A. A mass migration of *Celerio livornica* Esp. Entomol. Rec. J. Variation 78 (4):105. Apr.1966. 421 En89
- Malta.
- 5150 WAKELY, S. Entomological notes of captures and observations in 1965. Entomol. Rec. J. Variation 78(4):99-103. Apr.1966. 421 En89
- Chiefly Microlepidoptera and Macrolepidoptera.
- 5151 WEISS, J. C. Note apropos of the distribution of *Oedeia atrata* Linne (Geometridae). (Fr) *Alexanor* 4(5):208. 1966. 421 AL2
- 5152 WISE, K. A. J. Nomenclature of some butterfly species. *New Zeal. Entomol.* 3(4):18-20. Dec.1965. 421 N48
- New Zealand.
- 5154 BEIER, M. On some Mantidae from Prince of Wales Island. (Ge) *Pacific Insects* 7(3): 449-452. Oct.15,1965. 421 P11
- English summary.
- Includes *Nesoxiphus antennatus* n. g., n. sp. and *Phnthersigena insularis* n. sp.
- 5155 GRANT, H. J., and RENTZ, D. C. The katydid genus *Platylyra* (Orthoptera: Tettigoniidae). *Pan-Pacific Entomol.* 42(2):81-88, map. Apr.1966. 421 P193
- Platylyra californica*, monotypic genus.
- 5156 HARZ, K. Contribution to the Orthoptera. V. (Ge) *Naturhist. Mus. Wien. Ann.* 68:443-451. 1964, pub. 1965. 41C.9 V672
- Includes n. sp. in *Barbististes*.
- 5157 HOLLIS, D. A revision of the genus *Dnopherula* Karsch (Orth. Acridoidea). *Eos* 41(2/3):267-329, map. Ref. 1965, pub.1966. 421 Eo7
- Includes n. spp.
- 5158 JAGO, N. D. Descriptions of new species of West African grasshoppers with taxonomic notes on some species recently mentioned in the literature (Orth. Acridoidea). *Eos* 41(2/3): 343-372. 1965, pub.1966. 421 Eo7
- Includes n. spp. in *Eucrotacra*, *Acorypha*, *Gymnobothrus*, *Zacompsa*, *Pseudogomothela*, *Dnopherula*, *Phorenula*, *Azarea* and *Brachycrotaphus*.
- 5159 JAGO, N. D. A new species of the genus *Badistica* Karsch, 1891 from West Africa (Orth. Acridoidea). *Eos* 41(2/3):331-341. 1965, pub. 1966. 421 Eo7
- Badistica margarita* n. sp.
- 5160 KALTENBACH, A. Dictyoptera and Orthopteroidea from the northeast Greece and Thasos. (Ge) *Naturhist. Mus. Wien. Ann.* 68:465-484. Ref. 1964, pub.1965. 410.9 V672
- Includes n. spp. in *Isophya* and *Pholidoptera*.
- 5161 KEVAN, K. M. Additions to the *Verdulinini* (Orthoptera: Acridoidea: Pyrgomorphidae) from the Philippines. *Pacific Insects* 8(1):1-13, map. Ref. May 10,1966. 421 P11
- Includes *Spinacris elegans* n. sp.
- 5162 MASON, J. B. Revision of the genus *Phymæurus* Giglio-Tos, 1907 (Orth. Acridoidea). *Eos* 41(2/3):395-457, map. Ref. 1965, pub.1966. 421 Eo7
- Includes n. spp.
- 5163 NICKLE, D. A. A new species of *Montezumina* with the description of the male of *M. bradleyi* Heb. (Orthoptera: Tettigoniidae: Phaneropterinae). *Entomol. News* [Philadelphia] 77(6):159-165. June 1966. 421 En88
- Montezumina granti* n. sp.
- 5164 RAGGE, D. R. Orthoptera and Dermaptera collected in the Iberian Peninsula during 1962 and 1963 for the British Museum of Natural History. (Sp) *Graellsia* 21:95-119, map. Jan./Dec.1965. 421 G75
- 5165 ROY, R. A contribution to the study of *Amorphoscelis* of the Oriental Region (Mantodea, Amorphoscelidae). I. (Fr) *Soc. Entomol. France. Bull.* 70(9/10):267-273. Nov./Dec. 1965. 420 F84B
- Includes *Amorphoscelis ceylonica* n. sp.
- 5166 ROY, R. Contribution to the study of the fauna of the Lower Casamance (Senegal). XIV. Orthoptera Acridoidea. (Fr) *Inst. Franc. Afr. Noire, Bull. Ser. A, Sci. Natur.* 27(2):614-631. Ref. Apr.1965. 515 D14
- Includes *Pseudogomothela foveolata* n. sp.
- 5167 ROY, R. The mantids of the forests of Guinea. (Fr) *Inst. Franc. Afr. Noire, Bull. Ser. A, Sci. Natur.* 27(2):577-613, map. Ref. Apr.1965. 515 D14
- Includes n. spp. in *Plistospilota*, *Catasigerpes*, and *Junodia*.
- Smaller Orders
- 5153 BEIER, M. The Mantodea of New Guinea. (Ge) *Pacific Insects* 7(3):473-502. Oct.15, 1965. 421 P11
- English summary.
- Includes n. spp. in *Nannofulcinia* n. g., *Papubolbe* n. g., *Papugalepsus*, *Sphodropoda*, *Hierodula*, *Fulcinella*, *Machairima* n. g., and *Konobotha*.
- Orthoptera
- 5168 ANANTHAKRISHNAN, T. N. Indian Terebrantia. III. *Bull. Entomol.* 7:26-33. Jan.1966. 421 B872
- Includes n. spp. in *Melanthrips* (*Melanthrips*) and *Agriothrips* n. g.

- 5169 ANANTHAKRISHNAN, T. N. *Thysanopterologica* India. IV. Bull. Entomol. 7:1-12. Jan. 1966. 421 B872.
Includes n. spp. in Bournieria n. g., Lio-phlaeothrips, Mimosithrips, Podothrips (Kentro-thrips) and Xylapiothrips.
- 5170 ASPOCK, H., and ASPOCK, U. Raphidiidae of southeast Europe and Asia Minor (with critical remarks on the classification of the family). (Ge) Naturhist. Mus. Wien. Ann. 68:309-364. Ref. 1964, pub. 1965. 416.9 V672
Includes n. spp. in Raphidia.
- 5171 AUBERT, J. Plecoptera collected at the Bretolet Pass. (Fr) Schweiz. Entomol. Ges. Mitt. 36(3/4):227-228. Mar. 15, 1966. 420 Sw6
- 5172 BAILEY, S. F., and KONO, T. Toxothrips gramineae, a rare thrips rediscovered in Western North America (Thysanoptera: Thripidae). Pan-Pacific Entomol. 42(2):139-144. Ref. Apr. 1966. 421 P193
- 5173 BLICKLE, R. L. A new Hydroptilidae (Trichoptera). Entomol. News [Philadelphia] 77(7): 185-187. July 1966. 421 En88
Oxyethira anabola n. sp.
- 5174 BREKKE, R. A contribution to the study of Norwegian Ephemeroptera, Plecoptera and Trichoptera. (No) Norsk Entomol. Tidsskr. 13(1/2):11-15. 1965. 421 N812
English summary.
- 5175 BRINDLE, A. A revision of the Dermaptera of the Congo. Rev. Zool. Bot. Afr. 73(1/2):40-58. Mar. 30, 1966. 410 R326
Includes n. spp. in Vandex and Archidux.
- 5176 BYERS, G. W. The Mecoptera of Indo-China. Pacific Insects 7(4):705-748, map. Ref. Dec. 30, 1965. 421 P11
Includes n. spp. in Neopanorpa, Leptopanorpa and Bittacus.
- 5177 CHATTERJEE, P. N., and THAKUR, M. L. *Doonitermes capillosus* gen. et sp. nov. from Doon Valley (Uttar Pradesh, India) Isoptera, Termitidae, Amitermitinae. Zool. Anz. 176(5): 349-357. May 1966. 410 Z7
- 5178 CLAASSENS, A. J. M. Notes on fleas collected in the provinces of North Brabant and Limburg, the Netherlands (Siphonaptera). Tijdschr. Entomol. 109(1), 33 p., map. Ref. 1966. 421 T21
Includes taxonomy.
- 5179 DONNELLY, T. W. A new genus and species of damselfly from Guatemala and Cuba (Odonata: Coenagrionidae). Fla. Entomol. 49(2):107-114. Ref. June 1966. 420 F662
Enacantha caribbea n. g., n. sp.
- 5180 DONNELLY, T. W. A new gomphine dragonfly from eastern Texas (Odonata: Gomphidae). Entomol. Soc. Wash. Proc. 68(2):102-105. June 1966. 420 W27
Gomphus apomyius n. sp.
- 5181 EGLIN-DEDERING, W., and LAUBER, H. A contribution to the study of Mecoptera and Neuroptera of the Lake Geneva area. (Ge) Schweiz. Entomol. Ges. Mitt. 36(3/4):238-240. Mar. 15, 1966. 420 Sw6
- 5182 FERNANDES, J. DE A. Dermaptera of Portugal. (Sp) Graellsia 21:89-94. Ref. Jan./Dec. 1965. 421 G75
- 5183 FLINT, O. S. On the identity of *Clymene aegeriasciella* Chambers (Trichoptera: Hydropsilidae). Entomol. Soc. Wash. Proc. 68(2):135. June 1966. 420 W27
Correct name now is *Orthotrichia aegeriasciella* n. comb.
- 5184 GREVE, L. *Boreus hymialis* (L.) new to Norway, and recent records of Norwegian Mecoptera. Norsk Entomol. Tidsskr. 13(1/2):17-18. 1965. 421 N812
- 5185 HAESELBARTH, E. A note on the subspecies of *Ctenocephalides felis* in Africa south of the Sahara (Siphonaptera, Pulicidae). Zool. Anz. 176(5):357-365. May 1966. 410 Z7
Ctenocephalides felis damarensis, C. f. *felis*, and C. f. *strongylus*.
- 5186 HOLZEL, H. New or little known Chrysopidae from the collection of the Naturhistorisches Museum Wien (Chrysopidae, Planipennia). (Ge) Naturhist. Mus. Wien. Ann. 68:453-463. 1964, pub. 1965. 416.9 V672
Includes n. spp. in *Suaris* and *Chrysopa*.
- 5187 KACHALOVA, O. L. Occurrence of a peculiar hairy larva of *Protopistoma foliaceum* Fourc. (Ephemeroptera, Protopistomidae) in the Daugava. (Rus) Entomol. Obozrenie 44(4):827-831. Ref. 1966. 421 R322
- 5188 KLEIN, J. M., and GRENIER, P. Redescription of *Paracetosyllus kerguelensi* Wagner, 1938, and *P. pauliani* Lunaret, 1962. Keys to the known species of the genus *Paracetosyllus* Wagner, 1938 (Siphonaptera). (Fr) Soc. Entomol. France. Bull. 70(9/10):287-295. Nov./Dec. 1965. 420 F84B
- 5189 LIEFTINCK, M. A. The species-group of *Vestalis amoenae* Selys, 1853, in Sundaland (Odonata, Calopterygidae). Tijdschr. Entomol. 108(1):325-364, map. Ref. 1965. 421 T21
Includes n. spp.
- 5190 LILLIEHAMMER, A. Capture of *Capnia bifrons* (Newman) at Overland in Baerum (Plecoptera, Capniidae). Norsk Entomol. Tidsskr. 13(1/2): 47-51. 1965. 421 N812
- 5191 LILLIEHAMMER, A. Investigations regarding the Plecoptera fauna in Rogaland, West Norway. I. Inner region (Ryfylke), lowland. Norsk Entomol. Tidsskr. 13(1/2):101-118, map. Ref. 1965. 421 N812
Taxonomy and ecology.
- 5192 LILLIEHAMMER, A. New records of *Capnia bifrons* (Newman) at Tynset in Hedmark (Plecoptera, Capniidae). Norsk Entomol. Tidsskr. 13(1/2):92-96, map. 1965. 421 N812
- 5193 MOCKFORD, E. L. A new genus of hump-backed psocids from Mexico and Southwestern United States (Psocoptera: Psocidae). Folia Entomol. Mex. 11, 15 p. Ref. Oct. 10, 1965. 421 F712
New spp. in *Camelopsocus* n. g.
- 5194 NIMMO, A. P. A list of Trichoptera taken at Montreal and Chambly, Quebec, with descriptions of three new species. Can. Entomol. 98 (7):688-693. July 1966. 421 C16
Hydropsyche corbetti, *Cheumatopsyche montrealensis*, and *Protopitula expositio* n. spp.
- 5195 PELIKAN, J. A new *Katohrips* species from Israel (Thysanoptera). (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 62(5):319-322. Sept. 20, 1965. 420 C33
Katohrips priesteri n. sp.
- 5196 PELIKAN, J. Two new Palearctic species of Haplothrips (Thysanoptera). (Ge) Zool. Anz. 175(2/3):182-187. Aug./Sept. 1965. 410 Z7
Haplothrips priesteri n. sp. and *H. titschacki* n. spp.
- 5197 PRICE, R. D. The genus *Eomenopon* Harrison with descriptions of seven new species (Mallophaga: Menoponidae). Pacific Insects 8(1): 17-28. May 10, 1966. 421 P11
- 5198 QUENTIN, D. S. New Libellula species from the Malay Peninsula (Odonata). (Ge) Beitr. Entomol. 16(1/2):165-167. 1966. 421 B392
English summary.
Libellula malayana n. sp.
- 5199 RAUSER, J. *Blattellapora mironae* f. n. g., n. sp., a new genus of the stone flies of the Balkan Peninsula (Plecoptera). (Ge) Beitr. Entomol. 16(1/2):151-159, map. Ref. 1966. 421 B392
English summary.
- 5200 RUSEK, J. A new species of *Smthinurus* (Collembola) from central Slovakia. (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):25-26. Ref. Jan. 20, 1966. 420 C33
Smthinurus carpathicus n. sp.
- 5201 RUSSO, G. The collections of termites collected by Prof. Filippo Silvestri during his travels. (It) Portici. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23:265-303. 1965. 420 P2B2
English summary.
Includes list of publications on termites by F. Silvestri.
- 5202 SAHNI, D. N. Studies on the Odonata (Anisoptera) of Nainital. Indian J. Entomol. 27(3):277-289. Sept. 1965. 420 In23
Includes n. spp. in *Orthetrum* and *Crocotermis*.
- 5203 ST. QUENTIN, D. Odonata fauna of Anatolia and adjacent region. (Ge) Naturhist. Mus. Wien. Ann. 68:531-552. Ref. 1964, pub. 1965. 416.9 V672

- 5204 SALMON, J. T. Two new genera of Antarctic Collembola. *Pacific Insects* 7(3):468-472. Oct.15,1965. 421 P11
Neocryptopygus nivicolus n. g., n. sp. and Antarcticinella monoculata n. g., n. sp.
- 5205 SCHMID, F. Strange Goeridae, the genus *Larcasia* from the Navas collection (Trichoptera). (Fr) *Entomol. Tidskr.* 86(3/4):260-265. 1965. 421 En891
Includes *Larcasia assamica* n. sp.
- 5206 STRASSEN, R. ZUR. Psocoptera, Mallophaga. (Ge) *Prakt. Schädlingbekämpfer* 18(7):105-106. July 1966. 421 P862
Identification.
- 5207 TOBIAS, W. Ergänzende Beobachtungen zur Trichopteren-Fauna des Sud-Schwarzwaldes [Supplementary observations of the Trichoptera fauna of the southern Black Forest]. *Entomol. Z.* 75(22):249-264, map. Nov.15,1965. 421 En85
- 5209 VOSS, W. J. A lectotype designation for *Hoplopleura pacifica* Ewing (Anoplura: Hoplopleuridae). *Pacific Insects* 8(1):29-32. May 10, 1966. 421 P11
- 5209 WALKER, E. M. On the generic status of *Tetragoneuria* and *Epicordulia* (Odonata: Corduliidae). *Can. Entomol.* 98(9):897-902. Sept. 1966. 421 C16
- 5210 YAMAMOTO, T. Five new species of the caddisfly genus *Polycentropus* from South America (Trichoptera: Polycentropodidae). *Can. Entomol.* 98(9):908-912. Sept. 1966. 421 C16
- INSECT CONTROL
- 5211 ABBOTT, D. C., and others. Organochlorine pesticides in the atmosphere. *Nature [London]* 211(5046):259-261. Ref. July 16,1966. 472 N21
R. B. Harrison, J. O. Tatton, and J. Thomson, joint authors.
- 5212 AZARYAN, G. KH., and others. Radiation control of the hollyhock seed moth (Lepidoptera: Gelechiidae). (Rus) *Entomol. Obozrenie* 44(4):762-769. Ref. 1966. 421 R332
A. S. Babayan, V. V. Vasilyan, and K. L. Mkrtumyan, joint authors.
English summary.
Effects of X-rays on *Platyedra malvella*.
- 5213 BEROZA, M., and BOWMAN, M. C. Apparatus and procedures for rapid extraction and identification of pesticides by single and multiple distribution in binary solvent systems. *Anal. Chem.* 38(7):837-841. June 1966. 381 J825A
Insecticide residues.
- 5214 BLAKITNAYA, L. P. Text of insecticide-fumigants. (Rus) *Khim. Sel'skom Khoz.* 4(4):35. Apr.1966. 385 K524
- 5215 BROOKS, G. T., and HARRISON, A. Thin-layer chromatography of trimethylsilyl ethers of hydroxylated derivatives of cycloclene insecticides. *Chem. Indus.* 33:1414-1415. Aug.13, 1966. 382 M31C
- 5216 BUCHANAN, R. S. A microapplicator for topical application of insecticide solutions to small insects. *New Zeal. Entomol.* 9(4):36-38. Dec.1965. 421 N48
- 5217 BULYGINSKAYA, M. A. Control of some injurious Lepidoptera by means of genital chemical sterilization. (Rus) *Entomol. Obozrenie* 44(4):738-749. Ref. 1966. 421 R322
English summary.
Agrotis segetum, *Agrotis ipsilon* and *Pectinophora malvella*.
- 5219 DITTRICH, V. N-(2-methyl-4-chlorophenyl)-N',N'-dimethylformamide (C-8514/Schering 36268) evaluated as an acaricide. *J. Econ. Entomol.* 59(4):889-893. Aug.1966. 421 J822
Tested on *Tetranychus telarius* and *T. urticae*.
- 5219 DITTRICH, V. Synergistic effect between vapors of C-8514/Schering 36268 and dichlorvos against the carmine spider mite (*Tetranychus telarius*). *J. Econ. Entomol.* 59(4):893-896. Aug.1966. 421 J822
- 5220 EVLAKHOVA, A. A., and SHVETSOVA, O. I. Main problems of microbiological investigation methods for control of insect-pests. (Rus) *Entomol. Obozrenie* 44(4):721-727. Ref. 1966. 421 R322
- 5221 GURTUNCA, S. Inhibition of glutamic acid oxidase by rotenone. (Tu) *Ankara Univ. Vet. Fak. Dergisi* 12(1/2):94-97. 1965. 41.9 An4D
French summary.
Trials with *Periplaneta americana*.
- 5222 HATHAWAY, D. O., IYDIN, L. V., and BUTT, B. A. Effects of tepa on reproduction of codling moths [*Carpocapsa pomonella*]. *J. Econ. Entomol.* 59(4):851-853. Aug.1966. 421 J822
- 5223 HAYNES, J. W., HEDIN, P. A., and DAVICH, T. B. Hempa and apholate as chemosterilants for the boll weevil [*Anthonomus grandis*]. *J. Econ. Entomol.* 59(4):1014-1015. Aug.1966. 421 J822
- 5224 HOPKINS, L. O., and MACIVER, D. R. Tropical—new synergist for pyrethrins. *Pyrethrum Post* 8(2):3-5. Oct.1965. 421 P99
- 5225 JOHNSON, W. D., LEE, G. F., and SPYRIDAKS, D. Persistence of toxaphene in treated lakes. *Int. J. Air Water Pollut.* 10(8):555-560. Ref. Aug.1966. 449.8 In8
- 5226 KELSEY, J. M. *Entomophthora sphaerosperma* (Fres.) & *Plutella maculipennis* (Curtis) control. *New Zeal. Entomol.* 3(4):47-49. Dec. 1965. 421 N48
- 5227 KNIPLING, E. F., and MCGUIRE, J. U. Population models to test theoretical effects of sex attractants used for insect control. U. S. D. A. Agr. Inform. Bull. 308, 20 p. May 1966. 1 Ag84Ab
- 5229 LO, P. H., T'UNG, T., and KAO, L. C. Factors affecting the quality and the quantity of the crystals accompanying *Bacillus thuringiensis* var. *thuringiensis*. (Ch) *Scientia Silvae* 10(4):359-361. Oct.1965. 99.8 L632
Insecticide.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communistic Chin. Sci. Abstr. Bio-Med. Sci.* 43:25-26. Feb.23,1966.
[JPRS 34,245; TT 66-30686] 241.7 Un34C
- 5229 LUTTA, A. S., and others. Test of new insect repellents in Karelia. (Rus) *Entomol. Obozrenie* 45(2):317-325. Ref. 1966. 421 R322
N. I. Knyazeva, G. A. Lebedeva, and T. A. Lyachnina, joint authors.
English summary.
- 5230 MACNAY, C. G. Highlights of the occurrence of insects and other arthropods in Canada, 1965. *FAO Plant Protect. Bull.* 13(6):131-133. Dec. 1965. 421 P692
- 5231 MATSUMURA, F., and BOUSH, G. M. Malathion degradation by *Trichoderma viride* and a *Pseudomonas* species. *Science* 153(3741):1278-1280. Sept.9,1966. 470 Sc12
- 5232 MITROFANOV, V. I. Laboratory study of the effect of DDT on fertility of mites. (Rus) *Khim. Sel'skom Khoz.* 4(4):30-32. Ref. Apr. 1966. 385 K524
Tetranychus atlanticus and *Tetranychus urticae*.
- 5233 NORTH CAROLINA, DEPT. OF AGRICULTURE. North Carolina insecticide report for January 1—December 31, 1965. N. C. Dep. Agr. Bull. 184, 172 p. June 1966. 2 N81B
Analyses.
- 5234 ONSAGER, J. A. Hand-seeder adapted for precision planting or for application of granulated insecticides or fertilizers. *J. Econ. Entomol.* 59(4):1018-1019. Aug.1966. 421 J822
- 5235 OSMUN, J. V. The role of PCOS [pest control operators] in developing new insecticides. *Pest Contr.* 34(9):24, 26, 28. Sept.1966. 449.8 Ex8
- 5236 PARKIN, E. A. Sesame oil—synergist for pyrethrins in the Second World War. *Pyrethrum Post* 8(2):21-25. Oct.1965. 421 P99
- 5237 POLYAKOV, I., and VINKLER, N. Methods of evaluation of population dynamics of insects. (Rus) *Zashch. Rast. Vred. Boleznei* 11:30-31. 1965. 421 Z1
Statistical.
- 5239 PONOMARENKO, G. Planning—a basis for the work of the station. (Rus) *Zashch. Rast. Vred. Boleznei* 11:38-42. 1965. 421 Z1
Globo Station for Signalization and Forecasting [Punkt Signalizatsii i Prognozov].

- 5239 PRISTAVKO, V. Consecutive pathological processes in the action of *Beauveria bassiana* Bals. Vuill. combined with weak doses of DDT in *Leptinotarsa decemlineata* Say. (Fr) Entomophaga 11(3):311-324. Ref. 1966. 421 En835 English summary.
- 5240 RAI, B. K., KANTA, S., and LAL, R. Relative efficacy of pesticides against *Oligonychus indicus* (Hirst) (Tetranychidae: Acarina), Indian J. Entomol. 27(3):346-352. Sept. 1965. 420 In23
- 5241 SHARMA, V. P. Further studies on the induced haematological changes in treated insects. Beitr. Entomol. 16(1/2):213-216. 1966. 421 B392
Effect of insecticides on *Periplaneta americana*, *Poecilocus pictus* and on the larvae of *Prodenia litura*.
- 5242 SIMON, L. K. Ultra-low-volume spraying of insecticides. (Ge) Anz. Schädlingkunde 39 (6):89-91. Ref. June 1966. 421 An9 Malathion.
- 5243 SINGH, P., and LAL, R. Standardization of microbioassay technique for the assessment of malathion residues. Indian J. Entomol. 27(3):335-340. Ref. Sept. 1965. 420 In23
Bracon brevicornis.
- 5244 SMITH, B. C., and BERUBE, J. A. C. Effects of sex sterilants on the growth of coccinellid larvae (Coleoptera: Coccinellidae). Can. Entomol. 98(9):1005. Sept. 1966. 421 C16
Effects on *Anatis mali* and *Coleomegilla maculata*.
- 5245 SURBOVA, S., and AVRAMOVA, S. Contemporary trends of investigations on the problem of insecticide resistance. (Bu) Priroda [Sofia] 14(5):36-42. Sept./Oct. 1965. 410 P934
U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGICAL RESEARCH DIV. Suggested guide for the use of insecticides to control insects affecting crops, livestock, households, stored products, and forest products, 1966. U. S. D. A. Agr. Handbook 313,265 p. 1966. 1 Ag84Ah
U. S. Agricultural Research Service, Market Quality Research Division, and U. S. Forest Service, cooperating.
- 5247 WANG, T. Y., and WU, Y. C. Polarographic analysis of Dipterox. (Ch) Hua Hsueh T'ung Pao 2:52-54. Feb. 1966. 365 H862
Abstracted in U. S. Joint Publ. Res. Serv. [Trans.] Communist Chin. Sci. Abstr. Chem. 16:5. Mar. 24, 1966. (JPRS 34,695; TT 66-31134) 241.64 Un323
- 5249 WANG, Y. C., and LO, K. W. Studies on the physiological character of *Bacillus thuringiensis* var. *thuringiensis*. I. Effect of supersonic wave, heat and glucose on spore germination and spore formation. (Ch) Acta Microbiol. Sinica 11(4):609-610. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Trans.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 46:20. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
For manufacture.
Issued by CFSTI.
- 5249 WARD, A. The khapra beetle, *Trogoderma granarium* and other species of *Trogoderma* (Coleoptera: Dermestidae) intercepted entering New Zealand. New Zeal. Entomol. 3 (4):39-41. Dec. 1965. 421 N40
Trogoderma granarium and *T. carteri*.
- 5250 WHITACRE, D. M., and WARE, G. W. Wireworm (*Limoniopsis dubitans*) susceptibility to insecticides in Ohio. J. Econ. Entomol. 59(4):1013-1014. Aug. 1966. 421 J822
- 5251 WYOMING, AGRICULTURAL EXPERIMENT STATION. Insect conditions, Wyoming summary, 1965. Wyo. Agr. Exp. Sta. Bull. 443, 15 p. Feb. 1966. 100 W99
- 5252 YEARIAN, W. C., WILSON, G. R., and WING-FIELD, M. T. Controlling insects with diseases. Ark. Farm Res. 15(4):5. July/Aug. 1966. 100 Ar42F
Pests of Animals and Man
- 5253 ABDULKHASANOV, A. Some features of the epidemiology of tick-borne spirochetosis in the Uch-Korgon district of Kirghizia. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):287-290. May/June 1966. 448.8 M469
English summary.
- 5254 ALDRICH, J. W., and others. Report of the Committee on Bird Protection, 1965. Auk 83(3):457-467. July 1966. 413.8 Au4
R. R. Graber, D. A. Munro, G. J. Wallace, G. C. West, and V. H. Cahalane, joint authors. American Ornithologists' Union Committee. Toxicity of insecticides.
- 5255 APTED, F. I. C. Summary of recent abstracts. IV. Trypanosomiasis. African trypanosomiasis. Trop. Dis. Bull. 63(5):505-516. May 1966. 448.8 T752
Includes *Glossina* vector.
- 5256 BEADLES, M. L. A photographic technique for recording distribution and loss of insecticides on cattle. J. Econ. Entomol. 59(4):1011. Aug. 1966. 421 J822
- 5257 BEMRICK, W. J., and SANDHOLM, H. A. *Aedes vexans* and other potential mosquito vectors of *Dirofilaria immitis* in Minnesota. J. Parasitol. 52(4):762-767. Ref. Aug. 1966. 448.8 J824
Of dogs.
- 5259 BENNETT, G. F., WARREN, M., and CHEONG, W. H. Biology of the Malaysian strain of *Plasmodium juxta-nucleare* Versiani and Gomes 1941. II-III. J. Parasitol. 52(4):647-659, map. Ref. Aug. 1966. 448.8 J824
In *Culex sitiens*.
- 5259 BENNETT, G. F., WARREN, M., and CHEONG, W. H. Biology of the simian malarials of Southeast Asia. II-IV. J. Parasitol. 52(4):625-646, map. Ref. Aug. 1966. 448.8 J824
II. The susceptibility of some Malaysian mosquitoes to infection with five strains of *Plasmodium cynomolgi*; III. Sporogony of the Cambodian strain of *Plasmodium cynomolgi*; IV. Sporogony of four strains of *Plasmodium cynomolgi*.
- 5260 BLACK, E. O. Watch that meal worm. New Brunswick. Dep. Agr. Poultry Br. News Poultrymen, Mar. 1966:5-6. 47.9 N42
Lesser mealworm, *Alphitobius diaperinus*, and its importance as vector of leukosis, in Canada.
- 5261 BOWNE, J. G., and JONES, R. H. Observations on bluetongue virus in the salivary glands of an insect vector, *Culicoides variipennis*. Virology 30(1):127-133. Ref. Sept. 1966. 449.8 V81
- 5262 BREVE, K. A. Behavior of bloodsucking dipterans and gadflies in attacking reindeer and response reaction of reindeer. II. Herd formation in the reindeer as a factor in protection against attacks of bloodsucking pests and gadflies. 16 p. Ref. (TT 63-23704) Transl. 15277
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 13:343-354. 1951.
Issued by CFSTI.
- 5263 BUNYAN, P. J., PAGE, J. M. J., and TAYLOR, A. In vitro metabolism of p,p'-DDT in pigeon liver. Nature [London] 210(5040):1048-1049. June 4, 1966. 472 N21
- 5264 BURKE-GAFFNEY, H. J. O'D. Summary of recent abstracts. V. Leishmaniasis. Trop. Dis. Bull. 63(6):609-618. June 1966. 448.8 T752
Includes insect vectors and control.
- 5265 BUSVINE, J. R., and VASUDEV, C. A simple fumigation method for disinfecting clothing or bedding containing body lice. J. Hyg. 64(1):45-51. Ref. Mar. 1966. 449.8 J82
The control of *Pediculus humanus humanus* with ethyl formate.
- 5266 BUTTIKER, W. The ectoparasites of the European domestic buffalo (*Butalus bubalis* L.) in Italy. (It) Schweiz. Entomol. Ges. Mitt. 38 (3/4):213-217. Ref. Mar. 15, 1966. 420 Sw6 German summary.
- 5267 CASIDA, J. E., and others. Methylene-C14-dioxypheyl compounds: metabolism in relation to their synergistic action. Science 153 (3740):1130-1135. Ref. Sept. 2, 1966. 470 Sci2
J. L. Engel, E. G. Essac, F. X. Kamienski, and S. Kuwatsuka, joint authors.
In houseflies and mice.
- 5269 CHANG, S. C., BORKOVEC, A. B., and WOODS, C. W. Fate of tepa uniformly labeled with ¹⁴C in male house flies. J. Econ. Entomol. 59(4):937-944. Ref. Aug. 1966. 421 J822

- 5269 CH'EN, T. H., and HO, K. S. A report on three cases of Derris poisoning. (Ch) Kuang-tung I Hsueh Hsien Tai I Hsueh Pan 3(4):262. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 51:21. Mar. 9, 1966. (JPRS 34,484; TT 66-30924) 241.7 Un34C
- 5270 CHUDINOV, P. I. Investigation of the effectiveness in control of ticks—vectors of tick-borne encephalitis in a rural area. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):369-370. May/June 1966. 448.8 M469
DDT used for control.
- 5271 CLARKE, J. E. Trypanosome infections in the mouthparts of *Glossina morsitans* Westw., variations in frequency and extent of labral infections with age. Ann. Trop. Med. Parasitol. 60(2):223-229. Ref. June 1966. 448.9 L75A
Trypanosoma congolense and T. vivax.
- 5272 COATNEY, G. R., and others. Plasmodium inui, a quartan-type malaria parasite of Old World monkeys transmissible to man. J. Parasitol. 52(4):660-663. Ref. Aug. 1966. 448.8 J824
W. Chin, P. G. Contacos, and H. K. King, joint authors.
Anopheles stephensi and A. maculatus as vectors.
- 5273 COLBERG, W. J. Control insects in your dairy. West. Dairy J. 22(10):14-16. Aug. 1966. 44.8 W524
Chemical control.
- 5274 COLBERG, W. J., and MCBRIDE, D. K. Controlling mosquitoes. N. Dak. State Univ. Ext. Circ. A-472, 6 p.-folder. June 1965. 275.29 N812Sa
Chemical control.
- 5275 COLLINS, W. E., and others. Studies on the transmission of simian malaras. 1. Transmission of two strains of Plasmodium inui by Anopheles maculatus and A. stephensi. J. Parasitol. 52(4):664-668. Aug. 1966. 448.8 J824
P. G. Contacos, E. G. Guinn, and J. R. Held, joint authors.
- 5276 COPPOCK, S. Insecticide use chart for poultrymen; prevent residues in eggs and poultry products. N. Mex. State Univ. Ext. Circ. 379, 2 p. Apr. 1965. 275.29 N463E
- 5277 CORBET, P. S. A quantitative method for assessing the nuisance caused by non-biting aquatic insects. Can. Entomol. 98(7):683-687. July 1966. 421 C16
Chironomidae, Trichoptera, and Ephemeroptera.
- 5278 CWILICH, R., and SHIMSHONI, A. The identification of larvae of the fly *Przhevalskiana aegagri* on goats in Israel. Refuah Vet. 22(4):258-260. Dec. 1965. 41.8 R25
Text also in Hebrew.
- 5279 CWILICH, R., and others. Infestation of goats and sheep in Israel with mites of the family Trombiculidae. Refuah Vet. 22(3):182. Sept. 1965. 41.8 R25
A. Hadani, D. Peled, and A. Shimshoni, joint authors.
Text also in Hebrew.
- 5280 DASTRUP, R. H. The DVM's role in grub control. Vet. Econ. 7(8):24,26,28. Aug. 1966. 41.8 V6458
Systemic insecticides to control Hypoderma on cattle.
- 5281 DAVIS, H. G., and EDDY, G. W. Some effects of chemosterilants on the little house fly [*Fannia canicularis*]. J. Econ. Entomol. 59(4):993-998. Aug. 1966. 421 J822
- 5282 DEANE, L. M., DEANE, M. P., and NETO, J. F. A naturally acquired human infection by Plasmodium simium of howler monkeys. Roy. Soc. Trop. Med. Hyg. Trans. 60(4):563-564. 1966. 448.9 R813
Anopheles (Kerteszia) cruzii as vector.
- 5283 DLJK, W. J. O. M. VAN. Age determination of mosquitoes through dissection for filarial larvae [*Wuchereria bancrofti*]. Trop. Geogr. Med. 18(1):53-59. Ref. Mar. 1966. 448.8 D65
Anopheles farauti and Aedes kochi.
- 5284 DRUMMOND, R. O. *Lipoptena mazamae* Rondani (Diptera: Hippoboscidae), a louse fly on deer, on cattle in southwestern Texas. J. Parasitol. 52(4):825. Aug. 1966. 448.8 J824
Possible factor in transmitting anaplasmosis to cattle.
- 5285 FELL, J. R. Warble fly eradication. Beef Sheep Farming 2(5):20,28. Sept. 1965. 43.8 B392
Hypodermas; includes systemic insecticides for infected cattle, in Great Britain.
- 5286 FISTEIN, B. Trypanosoma cruzi infection in blood-sucking reduviid bugs in Trinidad. Roy. Soc. Trop. Med. Hyg. Trans. 60(4):536-538. 1966. 448.9 R813
Panstrongylus geniculatus, Rhodnius pictipes and Eratyrus mucronatus.
- 5287 GAHAN, J. B., WILSON, H. G., and SMITH, C. N. Cheesecloth impregnated with Baygon for control of Anopheles quadrimaculatus Say. World Health Organ. Bull. 34(5):792-796. 1966. 449.9 W892B
- 5288 GERBERG, E. J. Field and laboratory repellency tests with 2,2,4-trimethyl-1,3-pentenediol (TMPD). J. Econ. Entomol. 59(4):872-875. Aug. 1966. 421 J822
Against insects, ticks, and mites, pests of man.
- 5289 GOJMERAC, W. L. Controlling wood ticks. Wis. Univ. Ext. Spec. Circ. 121.5 p.-folder. June 1966. 275.29 W75S
Chemical control of Dermacentor variabilis and D. andersoni, pests of man and animals.
- 5290 GOULD, D. J., CADIGAN, F. C., and WARD, R. A. Falciparum malaria: transmission to the gibbon by Anopheles balabacensis. Science 153(3742):1384. Sept. 16, 1966. 470 Sc12
- 5291 GRAS, G., and ROUX, J. A. Relation between the chemical structure and insecticidal activity of tin organic compounds (tested on larvae of Culex pipiens pipiens L.) (Fr) Inst. Pasteur Tunis. Arch. 42(1):9-22. Ref. Mar. 1965. 448.3 In72
- 5292 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Wasps. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 451, rev., 6 p. Nov. 1965. 10 079La
Chiefly as pests.
- 5293 GUSEV, V. M., and others. The role of birds in the spread of ticks and fleas. According to material collected in Azerbaijan SSR. 7 p. Ref. (TT 64-15653) Transl. 15256
A. A. Guseva, E. A. Petrosyan, and Yu. K. Egelis, joint authors.
Translation from Zoologicheskii Zhurnal 41(6):905-912. 1962.
Issued by CFSTI.
- 5294 HAMZA, M. H. M., PANABOKKE, R. G., and BALASUBRAMANIAM, C. C. Clinical and pathological features of two fatal cases of a haemorrhagic fever in Ceylonese children. J. Trop. Med. Hyg. 69(7):162-164. July 1966. 448.8 J827
Aedes aegypti causative agent.
- 5295 HINSHAW, L. B., and others. Effects of the insecticide endrin on the cardiovascular system of the dog. J. Pharmacol. Exp. Therap. 153(2):225-236. Ref. Aug. 1966. 396.8 J82
L. A. Solomon, D. A. Reins, V. Fiorica, and T. E. Emerson, joint authors.
- 5296 HLADKY, A. P. Study of the strain of lymphocytic choriomeningitis virus isolated from Ixodes ricinus ticks gathered in the western regions of the Ukrainian SSR. (Uk) Mikrobiol. Zhur. 27(1):10-15. Ref. 1965. 448.3 K54
English summary.
- 5297 HOCKING, B., and KHAN, A. A. The mode of action of repellent chemicals against blood-sucking flies. Can. Entomol. 98(8):821-831. Ref. Aug. 1966. 421 C16
- 5298 HUDSON, B. W., KARTMAN, L., and PRINCE, F. M. Pasteurella pestis detection in fleas by fluorescent antibody staining. World Health Organ. Bull. 34(5):709-714. Ref. 1966. 449.9 W892B
- 5299 HUNTER-JONES, P. Allergy to animals: a zoological hazard. New Sci. 31(513):615-616. Sept. 15, 1966. 427 N42
In laboratory rearing of grasshoppers.

- 5300 ISAEV, L. M., and others. Means of eradication of a focus of visceral leishmaniasis in Samarkand. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):262-265. May/June 1966. 448.8 M469
L. V. Belyaeva, M. T. Balasheva, F. I. Ryabtsev, L. I. Gorodilova, S. G. Solonin, and N. V. Beshpalova, joint authors.
English summary.
Treating infected dogs with DDT and benzene hexachloride against Phlebotomus, vector of kala-azar.
- 5301 JACOBSEN, B. Skin disease caused by scab mites infestation in a seal (*Phoca vitulina*) living freely in a game preserve. (Ge) Deut. Tierarztl. Wochenschr. 73(14):349-350. July 15, 1966. 41.8 D482
- 5302 JERMAN, J. Will a mosquito bite be harmless? (Cz) Ziva 14(4):138-141. June 1966. 409.6 Z6
- 5303 JOHNSON, W. C. Toxophene treatment of Big Bear Lake, California. Calif. Fish Game 52(3):173-179. July 1966. 410 C12
Includes toxicity to water fowl.
- 5304 KEITH, J. O., and MULLA, M. S. Relative toxicity of five organophosphorus mosquito larvicides to mallard ducks. J. Wildlife Manage. 30(3):553-563. July 1966. 410 J827
- 5305 KIMBROUGH, R., and GAINES, T. B. Toxicity of hexamethylphosphoramide in rats. Nature [London] 211(5045):146-147. July 9, 1966. 472 N21
Chemosterilant for *Musca domestica*.
- 5306 KORZH, K. P. Pasture treatment of diclocellasis in ruminants by eradicating ants with insecticides. (Uk) Vetrynariya 1:40-45. 1964. Not in Libr.
Sheep and cattle; chemical control with mixture of DDT, DDD, and Nicochlorane.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:34. Aug. 1965. Film S-205
- 5307 KOVACS, E. Control of flies in cattle-sheds with special regard to resistance to insecticides. (Ge) Monatsh. Veterinarmed. 21(12):462-466. Ref. June 15, 1966. 41.8 M742
English summary.
Hungary.
- 5308 KOVBAN, V. Z., and others. A case of Simulium as cattle pests. (Rus) Veterinariya 5:88-90. May 1966. 41.8 V6426
N. I. Voronkov, A. S. Makhovskii, and V. E. Kononets, joint authors.
Includes control.
- 5309 LI, H. S., HU, S. S., and CHUNG, H. Y. Report of two cases of atropine intoxication in the treatment of poisoning of organophosphorus insecticide. (Ch) Chung-hua Nei K'o Tsa Chih 13(4):371. Apr. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:32-33. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 5310 LI, L. W., and MENG, M. P. Report on a case of contact dermatitis induced by Ti-ti-wel. (Ch) Shan-tung I K'an 3:21. Mar. 1965. Not in Libr.
Dichlorvos insecticide.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 55:7. Mar. 15, 1966. (JPRS 34,558; TT 66-30998) 241.7 Un34C
- 5311 LICHTENSTEIN, E. P. Increase of persistence and toxicity of parathion and diazinon in soils with detergents. J. Econ. Entomol. 59(4):983-993. Aug. 1966. 421 J822
Alkyl benzene sulfonate and linear alkyl benzene sulfonate tested on *Musca domestica*.
- 5312 LIU, K. H., and CHANG, C. F. A summary of the experience in the treatment of acute poisoning from organophosphorus insecticides with atropine and pyridine aldoxime methiodide (PAM). (Ch) Chung-hua Nei K'o Tsa Chih 13(4):303-305. Apr. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:3-4. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 5313 LOAEZA, R. M., and CORONA, A. O. The sterilization of *Musca domestica* with apholate. (Sp) Folia Entomol. Mex. 10, 27 p. Ref. Sept. 1965. 421 F712
English summary.
- 5314 LUTTA, A. S., and KHEISIN, E. M. Certain data of the relative role of different species of ixodid ticks [*Ixodes ricinus*] in spreading babesiosis in the North. 10 p. (TT 64-15064) Transl. 15276
Of cattle.
Translation from Zoologicheskii Zhurnal 33(1):65-68. 1954.
Issued by CFSTI.
- 5315 LUVCHIEV, V. Synanthropic flies. (Bu) Priroda [Sofia] 14(5):98-102. Sept./Oct. 1965. 410 P934
As pests and vectors of diseases.
- 5316 LYSSENKO, A. YA., LOSEV, O. L., and SEMASHKO, I. N. Malariological situation in the world in connection with the malaria importation to the USSR, L. Asia. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):347-356, map. Ref. May/June 1966. 448.8 M469
English summary.
Mosquitoes as vectors.
- 5317 MARINKELLE, C. J. Direct transmission of *Trypanosoma cruzi* between individuals of *Rhodnius prolixus* Stal. Rev. Biol. Trop. 13(1):55-58. July 1965. 442.8 R328
- 5318 MCEWEN, L. C., and BROWN, R. L. Acute toxicity of dieldrin and malathion to wild sharp-tailed grouse. J. Wildlife Manage. 30(3):604-611. Ref. July 1966. 410 J827
- 5319 MCKNIGHT, R. A. The fly program and fly control. Ark. Cattle Bus. 1(8):7, 12, 14. Aug. 1965. 43.8 Ar43
Chemical control.
- 5320 MCSWAIN, R. Screwworm seen as danger to State. Cattleman 53(5):46. Oct. 1966. 49 C29
Includes eradication of *Cochliomyia hominivorax* in Texas.
- 5321 MICHAELI, D., and others. In vitro studies on the role of collagen in the induction of hypersensitivity to flea bites. J. Immunol. 97(3):402-406. Sept. 1966. 448.8 J8232
E. Benjamini, R. C. Miner, and B. F. Feingold, joint authors.
Ctenocephalides felis felis.
- 5322 MIMOGLU, M., ULUTAS, M., and KEVEN, K. Investigations on the effect of Neguvon (Bayer) against *Gasterophilus intestinalis* and *Parascaris equorum* of horses. (Tu) Ankara Univ. Vet. Fak. Dergisi 12(1/2):20-37. Ref. 1965. 41.9 An4d
English summary.
- 5323 MORGAN, N. O., and GRAHAM, O. H. Influence of cattle diet on survival of horn fly [*Haematobia irritans*] larvae. J. Econ. Entomol. 59(4):835-837. Aug. 1966. 421 J822
Suitability of feces as breeding places.
- 5324 MORGAN, P. B., LABRECQUE, G. C., and WILSON, H. G. Tests with larvicides for the control of house flies, *Musca domestica* (Diptera: Muscidae), in poultry houses. Fla. Entomol. 49(2):91-93. June 1966. 420 F662
- 5325 MUSATOVA, A. I. Stability of foci of *Alectrobus tholozani* papillipes (Bir) ticks in villages of the Samarkand region of Uzbekistan. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):368-369. May/June 1966. 448.8 M469
English summary.
DDT and benzene hexachloride used for control.
- 5326 NETSKII, G. I., and BOGDANOV, I. I. Index of potential epidemiological significance of natural foci of tick-borne encephalitis and Omsk hemorrhagic fever. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):290-292. May/June 1966. 448.8 M469
Ixodes persulcatus and *Dermacentor pictus* as vectors.
- 5327 NETTLES, W. C., and KISSAM, J. B. Control of houseflies in farm buildings. Clemson Univ. Ext. Inform. Card, 94, rev., 8 p.-folder. Apr. 1966. 275.29 So8i

- 5329 NETTLES, W. C., and KISSAM, J. B. Insecticide use chart for egg and poultry producers. Clemson Univ. Ext. Inform. Card 108, rev., 2 p. May 1966. 275,29 So81
Prevention of residues in eggs and poultry products.
- 5329 O'NEILL, D. K., and HEBDEN, S. P. Investigation of sheep dips. I. Mixtures of lime sulphur and organic phosphorus compounds. Australian Vet. J. 42(6):207-213. Ref. June 1966. 41,8 Au72
To control *Damalinia ovis* and other lice and mites.
- 5330 PATTERSON, R. S., and others. Control of the midge *Glyptotendipes paripes* with low-volume aerial sprays of malathion. J. Econ. Entomol. 59(4):864-866. Aug. 1966. 421 J822
D. L. Von Windeguth, B. M. Glancy, and F. L. Wilson, joint authors.
- 5331 PERSHAD, S. B., and NAIDU, M. B. Sexual sterility induced in the house fly by contact exposure to chemosterilant apholate. J. Econ. Entomol. 59(4):948-950. Ref. Aug. 1966. 421 J822
- 5332 PETRISHCHEVA, P. A., ed. Vectors of diseases of natural foci. 332 p. Ref. RA639.5.P43
Articles by D. N. Sazonova, P. A. Petrishcheva, V. M. Saifanova, N. G. Olsuf'ev, S. P. Piontkovskaya, Z. M. Zhmaeva, A. A. Zemskaya, and E. G. Shulger.
Insects, mites, and ticks.
Translation of *Perezhnichi Vozbuditelei Prirodnocahovykh Boleznei*.
- 5333 PIQUETT, P. G., and FALES, J. H. Evaluation of several carbamates in space sprays alone and with piperonyl butoxide. J. Econ. Entomol. 59(4):1020-1022. Aug. 1966. 421 J822
Tests with *Musca domestica*.
- 5334 PLUS, N., and ATANASIU, P. Selection of a rabies virus mutant adapted to an insect: *Drosophila melanogaster*. (Fr) Acad. Sci. Comp. Rend. Ser. D, 263(1):89-92. July 4, 1966. 505 P21
- 5335 PRINGLE, G. The effect of social factors in reducing the intensity of malaria transmission in coastal East Africa. Roy. Soc. Trop. Med. Hyg. Trans. 60(4):549-553. Ref. 1966. 448,9 R813
Anopheles gambiae and *A. funestus* as vectors.
- 5336 RENG, G., and LIEM, J. S. Investigations on the influence of certain insecticides on the digestive enzymes of the white mouse. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(4):180-191. Ref. 1966. 464,8 Z3
English summary.
Endrin, toxaphene, and trichlorphon.
- 5337 ROSELLE, B. Fly control with feed additives. Nebr. Cattleman 22(10):26. June 1966. 43,8 N27
Using ronnel as a systemic insecticide.
- 5339 ROSSE, J. C. There's no excuse for cattle grubs. Ark. Cattle Bus. 25(5):22-25. May 1966. 43,8 Ar43
Hypodermia; includes control with systemic insecticides.
- 5339 SACRAMENTO COUNTY-YOLO COUNTY (CALIF.) MOSQUITO ABATEMENT DISTRICT. Eighteenth annual report for the calendar year January 1, 1965-December 31, 1965. Sacramento, 1965. 13 p. 420 Sa1
- 5340 SADOWSKY, J. L. St. Louis overcomes head-aches, setbacks; sets up workable mosquito control plan. Pest Control. 34(8):34,36,38,43-44. Aug. 1966. 449,8 Ex8
Chemical control and equipment used.
- 5341 SCHMIDT, G. H. Insecticide resistance of Diptera. (Ge) Anz. Schadlingskunde 39(3):33-39. Ref. Mar. 1966. 421 An9
English summary.
- 5342 SHANAHAN, G. J., and NOWLAND, W. J. Control of flies in intensive poultry houses. New S. Wales. Dep. Agr. Poultry Notes, Jan. 1966: 12-15. 47,9 N472
Chemical control of *Musca domestica*, *Muscina stabulans*, and *Fannia canicularis*.
- 5343 SHIRYAEV, D. T., and others. Experimental investigation of ticks *Hyalomma plumbeum* Panz. and *Haemaphysalis punctata* Can. et Fanz. as vectors of tularemia. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):305-309. Ref. May/June 1966. 448,8 M469
S. F. Shevchenko, S. A. Tokarev, and I. M. Orehova, joint authors.
English summary.
- 5344 SHISHLYAEVA-MATOVA, Z. S., NY, G., and ZVYAGINTSEVA, T. V. Pathogenic leishmanad strains isolated from sandflies in natural foci of zoonotic cutaneous leishmaniasis in Uzbekistan. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):266-270. May/June 1966. 448,8 M469
English summary.
Phlebotomus caucasicus, *Ph. papatasi* and *Sergentomyia arpakensis*.
- 5345 SHERKIN, L. YA., ZATULOV'SKII, B. H., and HANDZIL, G. P. Electron-microscopic study of *Rickettsia prowazekii* in the cells of the intestines of the body louse. (Ukr) Mikrobiol. Zhur. 27(3):28-35. Ref. 1965. 448,3 K54
English summary.
Pediculus humanus humanus.
- 5346 SINGH, P., KING, W. E., and RODRIGUEZ, J. G. Biological control of muscids as influenced by host preference of *Macrocheles muscaedomesticae* (Acarina: Macrochelidae). J. Med. Entomol. 3(1):78-81. Apr. 1966. 421 J828
- 5347 SOUTH DAKOTA, STATE UNIVERSITY. COOPERATIVE EXTENSION SERV. Insecticide use chart for South Dakota poultrymen. S. Dak. State Univ. Ext. FS 315, 2 p. June 1966. 275,29 So86's
- 5349 STEPHEN, L. E. Observations on the resistance of west African *N'Dama* and Zebu cattle to trypanosomiasis following challenge by wild *Glossina morsitans* from an early age. Ann. Trop. Med. Parasitol. 60(2):230-246. Ref. June 1966. 448,9 L75A
- 5349 STUDDERT, M. J., PANGBORN, J., and ADDISON, R. B. Bluetongue virus structure. Virology 29(3):509-511. July 1966. 448,8 V81
Disease of sheep believed to be transmitted by *Culicoides*.
- 5350 SUN, T. Appeal of particular blood of man and animals for ordinary mosquito species in rural villages of Pen-ch'i. (Ch) Chung-kuo Shou I Tsa Chin 4(1):28-30. Jan. 1966. 41,8 C476
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 59:19-20. Mar. 25, 1966. (JPRS 34,724; TT 66-31163) 241,7 Un34C
Issued by CFSI.
- 5351 THOMAS, V. Inheritance of DDT resistance in *Culex pipiens fatigans* Wiedemann. J. Econ. Entomol. 59(4):779-786. Ref. Aug. 1966. 421 J822
Malaysia.
- 5352 TING, Y., and others. A comparison of pyridine-aldoxime-methiodide (PAM) and 1,1'-trimethylene bis (4-formylpyridine bromide) dioxime (TMB4) in the treatment of poisoning from organophosphorus insecticides. (Ch) Chung-hua Nei K'o Tsa Chih 13(4):317-320. Apr. 1965. Not in Libr.
C. Y. Mi, T. P. Mao, and L. Ch'eng, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:11-12. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241,7 Un34C
- 5353 TONGSON, M. S., and MANUEL, M. F. A report on some feather-eating mites (*Megninia* spp.) infesting fowls in the Philippines. Philippine J. Anim. Indus. 21(4):263-268. Fourth Q. 1960, pub. 1965. 49,9 P53P
- 5354 TRAINOR, D. C. Pesticides in relation to public health. Inst. Vet. Insp. New S. Wales. Vet. Insp. Annu. 29:31-35, 37. 1965. 41,9 In73
Chiefly insecticides.
- 5355 TRISHNANANDA, M., HARINASUTA, C., and VASUVAT, C. Studies on the vector of *Rickettsia tsutsugamushi* infection in Thailand. Ann. Trop. Med. Parasitol. 60(2):252-256. June 1966. 448,9 L75A
Trombicula deliensis.

- 5356 UNANOV, S. S., and others. Isolation of tick-borne encephalitis strains from Ixodes persulcatus ticks collected during the 1964 epidemic season. (Rus) Vop. Virusol. 6:674-677. Ref. Nov./Dec. 1965. 448,8 P942
V. D. Neustroev, E. N. Levchenko, and A. V. Shutov, joint authors.
- 5357 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Annual report of co-operative State-Federal parasiticide sheep and cattle scabies eradication activities, fiscal year 1965. Hyattsville, Md., 1965. 15 p., map. A41.9 R317A
- 5358 VINOGRADOVA, E. B. Bloodsucking mosquitoes of the *Culex pipiens* complex (Diptera, Culicidae), their practical significance, taxonomy and biology. (Rus) Entomol. Obozrenie 45 (2):241-257. Ref. 1966. 421 R322
English summary.
- 5359 VOSTOKOVA, K. K. Significance of migration processes in the epidemiology of malaria in the northern Caucasus where practical eradication has been achieved. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):337-342. Ref. May/June 1966. 448,8 M469
English summary.
Anopheles as vector.
- 5360 WHITE, G. B. Chemosterilization of *Aedes aegypti* L. by pupal treatment. Nature [London] 210(5043):1372-1373. Ref. June 25, 1966. 472 N21
With thiotepa.
- 5361 WHITSEL, R. H., and SCHOEPPNER, R. F. Summary of a study of the biology and control of the valley black gnats, *Leptoconops torrens* Townsend (Diptera: Ceratopogonidae). Calif. Vector Views 13(3):17-26, map. Ref. Mar. 1966. 449,8 C12
Cultural control and chemical control with diazinon and fenitrothion.
- 5362 WILKINSON, P. R. A first record of paralysis of a deer by *Dermacentor andersoni* (Siles) and notes on the "host-potential" of deer in British Columbia. Entomol. Soc. Brit. Columbia. Proc. 62:28-30. Ref. 1965. 420 B77
- 5363 WILLIAMS, P. The distribution on the human body of bites inflicted by phlebotomine sandflies in British Honduras. Ann. Trop. Med. Parasitol. 60(2):219-222. June 1966. 448,9 L75A
From the genus *Lutzomyia*.
- 5364 ZAKAMYRDIN, I. A. Biological means of insect control. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):370-371. May/June 1966. 448,8 M469
- 5365 ZELEDON, R., and BLANCO, E. Host-parasite relationships in rangeli trypanosomiasis. I. Comparative hemolymph and intestinal infection in *Rhodnius prolixus* and *Triatoma infestans*. (Sp) Rev. Biol. Trop. 13(1):143-156. Ref. July 1965. 442,8 R328
English summary.
- 5366 ZELEDON, R. Trypanosoma rangeli in the salivary glands of *Rhodnius pallescens* from Panama. (Sp) Rev. Biol. Trop. 13(1):157-159. July 1965. 442,8 R328
- 5367 ZHUKOVA, L. L., and IVANOV, V. A. Experiment in protecting wood cutting workers from bloodsucking insects by special clothing. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(3):316-320. May/June 1966. 448,8 M469
- 5368 ZIMMERMAN, D. R. Pigs to pork, nutrition: proper use of insecticides by the swine producer. Purdue U. Ind. Agr. Ext. Mimeo AS-333, 2 p. Sept. 1965. 49,9 I23
- 5369 ZIPPKOWSKI, L., and ROLANT, F. Study of the toxin from the poison hairs of *Thaumetopoea wilkinsoni* caterpillars. J. Invest. Dermatol. 46(5):439-445. Ref. May 1966. 448,8 H292
- Pests of Plants
- 5370 BIRD, R. D., and ROMANOW, W. The effect of agricultural development on the grasshopper populations of the Red River Valley of Manitoba, Canada. Can. Entomol. 98(5):487-507, map. Ref. May 1966. 421 C16
Effects of land use on *Camnula pellucida* and *Melanoplus bivittatus*.
- 5371 BOHM, H. Tarsonemid mites, serious plant pests. (Ge) Pflanzenarzt 19(7):82. July 1, 1966. 464,9 P482
Includes chemical control.
- 5372 BURGERJON, A., and BIACHE, G. Feeding of the larvae of *Leptinotarsa decemlineata* Say poisoned by thermostable toxin of *Bacillus thuringiensis* Berliner. (Fr) Entomophaga 11(3):279-284. Ref. 1966. 421 En835
English summary.
- 5373 BURGESS, E. D. The Federal-Agr. war on pests. U. S. D. A. Yearbook Agr. 1966:258-265. 1 Ag84Y
Plant pest control.
- 5374 BUTLER, G. D. An insect flight trap for crop areas. J. Econ. Entomol. 59(4):1030-1031. Aug. 1966. 421 J822
- 5375 CHABOUSSOU, F. Reproduction in mites as a result of use plant protection materials and biochemical changes occurring in the plants. (Ge) Z. Angew. Zool. 53(3):257-276. Ref. 1966. 449,8 Z36
- 5376 DESCAMPS, M., and WINTREBERT, D. Possibilities of utilization of bioecological factors in the checking of migratory grasshoppers. (Fr) Entomophaga 11(2):217-229. Ref. 1966. 421 En835
English summary.
- 5377 GOLDMAN, M. C. Forecast for pest control. Org. Gard. Farming 13(10):50-54. Oct. 1966. 57,8 Or32
Biological control of insects.
- 5378 HOFFMANN, C. H., and HENDERSON, L. S. The fight against insects. U. S. D. A. Yearbook Agr. 1966:26-38. 1 Ag84Y
Plant and stored food pests.
- 5379 HOMONNAY, F. Situation in Melolontha melolontha tribes. (Hu) Magyar Mezogazdasag 21(35):12-13. Aug. 31, 1966. 19 M27
Plant pests.
- 5380 HUWALD, K. Resistenzentwicklung bei *Tetranychus urticae* Koch in Abhängigkeit von der Vorgeschichte der Population und dem physiologischen Zustand der Wirtspflanze [Development of resistance in *Tetranychus urticae* Koch in relation to the previous history of the population and the physiological condition of the host plant]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 12,66 p. Ref. p.60-63. 1964. 105,8 B644
- 5381 KNIGHT, W. J. A preliminary list of leaf-hopper species (Homoptera: Cicadellidae) occurring on plants of economic importance in Great Britain. Entomol. Mon. Mag. 101(1211/1213):94-109. Ref. Apr./June 1965. 421 En86
- 5382 MACCUAIG, R. D. Toxicity of ultra-low-volume sprays. J. Econ. Entomol. 59(4):1009-1010. Aug. 1966. 421 J822
Malathion applied to control *Schistocerca gregaria*.
- 5383 MACNAY, C. G., ed. A regional review of insects of the season 1965. Can. Insect Pest Rev. 43(8):185-225. Ref. 1965. 423,92 C16C
Plant and livestock pests.
- 5384 MANNINGER, G. A. Control of soil inhabiting pests with summer tillage work. (Hu) Magyar Mezogazdasag 21(33):15. Aug. 17, 1966. 19 M27
Chiefly insect pest control.
- 5385 MARTELLI, G., and MARTELLI, G. M. Notes on agricultural entomology collected in southern Italy. II-III. (It) Portici. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23:174-192; 211-228. 1965. 420 P82B
II, Lepidoptera; III, Coleoptera.
- 5386 RITCHER, P. O. Biological control of insects and weeds in Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 90,39 p. Ref. p.36-39. Apr. 1966. 100 Or35
Plant pests.
- 5387 RUSSO, G. The integration of biological and chemical control of phytophagous insects. (It) Portici. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23:143-173. 1965. 420 P82B
English summary.
- 5388 SHARMA, V. P. Pharmacology and histopathology of certain insecticides in grasshopper *Poecilocus pictus* Fabricius. Beitr. Entomol. 16(1/2):203-212. Ref. 1966. 421 B392

- 5389 TETEFORT, J. P., and WINTREBERT, D. Edaphic and biotic effects of pluviometric inversion of seasons, an important factor of the pullulation of migratory locusts in southwest Malagasy. (Fr) *Entomophaga* 11(3):305-310, map, 1966. 421 En835
English summary.
Effects on the hatching of eggs of *Locusta migratoria* capito and *Nomadacris septemfasciata*.
- 5390 WANG, S. M., and WANG, C. C. Tests on chemical control for eggs and larvae of cutworms. (Ch) *Acta Phytophacica Sinica* 4(3):231-236. Aug. 1965. Not in Libr.
Agrotis ipsilon and *Agrotis segetum*.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 8:6. Nov. 5, 1965. (JPRS 32,736; TT 66-30832) 241.7 Un34C
Issued by CFSTI.
- 5391 ZOEBELEIN, G. Problems of the control of insect pests in the agriculture of Iran. (Ge) *Anz. Schädlingkunde* 39(1):3-8. Ref. Jan. 1966. 421 An9
English summary.
Forest Pests
- 5392 AKADEMIYA NAUK SSSR, INSTITUT LESA I DREVESINY. Issledovaniya po zashchite lesov Sibiri [Studies on forest protection in Siberia]. Moskva, Nauka, 1965. 111 p. Ref. 423 AK131
Insects as pests.
- 5393 AKADEMIYA NAUK SSSR, INSTITUT LESA I DREVESINY. Mikroorganizmy v bor'be s vreditelnyami lesnogo khozyaystva [Microorganisms in control of forest pests]. Moskva, Nauka, 1966. 258 p. Ref. SB975.A35
Insects.
- 5394 ALLEN, A. A. *Stegobium paniceum* L. (Col., Anobiidae) becoming established in the open. *Entomol. Mon. Mag.* 101(121/1213):115. Apr./June 1965. 421 En86
Found on *Populus nigra italica*.
- 5395 AVERKIEV, I. S. Major problems and tasks of microbiological control of May bug [*Melolontha hippocastani*]. (Rus) *Mikrobiologiya* 34(2):370-373. Ref. Mar./Apr. 1965. 448.3 M582
Forest pest.
- 5396 BESS, H. A., OTA, A. K., and KAWANISHI, C. Persistence of soil insecticides for control of subterranean termites [*Coptotermes formosanus*]. *J. Econ. Entomol.* 59(4):911-915. Aug. 1966. 421 J822
- 5397 BROWN, K. W. Termite control research in Uganda (with special reference to the control of attacks in *Eucalyptus* plantations). *East Afr. Agr. Forest. J.* 31(2):218-223. Ref. Oct. 1965. 24 Ea74
Chemical and cultural control.
- 5398 CEMALOVIC, M. Increased danger from *Porthetria dispar* in Herzegovina. (Se) *Nar. Sumar* 20(3/4):99-100. Mar./Apr. 1966. 99.8 N16
Includes control of this forest pest.
- 5399 COPPEL, H. C., and NORRIS, D. M. Bark penetration and uptake of systemic insecticides from several treatment formulations in white pines [*Pinus strobus*]. *J. Econ. Entomol.* 59(4):928-931. Aug. 1966. 421 J822
Control of *Diprion* similis with Bidrin and dimetilan applied in 1.5 foot wide bands.
- 5400 COPTOTERMES formosanus establishes itself at four Southern sites. *Pest Contr.* 34(9):42. Sept. 1966. 449.8 Ex8
In Louisiana.
- 5401 CURRY, S. J. The biology and control of *Oemia gahani* Distant, (Cerambycidae), in Kenya. *East. Afr. Agr. Forest. J.* 31(2):224-235. Oct. 1965. 24 Ea74
Pests of *Cupressus* and *Juniperus procera*.
- 5402 DOOM, D. The biology, damage and control of the poplar and willow borer, *Cryptorhynchus lapathi*. *Neth. J. Plant Pathol.* 72(4):233-240. Ref. 1966. 464.8 T44
- 5403 EICHHORN, O., and KANAMITSU, I. Important forest insect pests of Japan. (Ge) *Anz. Schädlingkunde* 38(11):161-167. Ref. Nov. 1965. 421 An9
English summary.
- 5404 EIDMANN, H. H. Difference in the resistance of larch varieties to the attack of aphids. (Ge) *Anz. Schädlingkunde* 39(1):8-10. Jan. 1966. 421 An9
English summary.
Adelges laricis on *Larix sibirica* and *L. decidua*.
- 5405 FAN, C. M. On the use of nest-boxes for attracting insectivorous birds to the larch stands. (Ch) *Sci. Silvae* 10(2):160-166. Apr. 1965. 99.8 L632
Insect control.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 8:6. Nov. 5, 1965. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 5406 FUNDLAY, J. A., and MACDONALD, D. R. Investigation of the sex-attractant of the spruce budworm [*Choristoneura fumiferana*] moth. *Chem. Can.* 18(9):47-48. Sept. 1966. 381 C4236
Forest pest; population studies.
- 5407 HOCHMUT, R. *Hylastes cunicularius* Er. *Lesnicka Prace* 45(6):263. 1966. 99.8 L56
Text in Czech.
Spruce pest; includes control.
- 5408 HOPEI PROVINCIAL INSTITUTE OF FORESTRY. A report of a program for the control of pine moth in forests of *Pinus tabulaeformis*. (Ch) *Scientia Silvae* 10(3):201-204. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:1. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- 5409 HUANG, K. H., and others. Studies on the bio-nomics and control of the walnut nolid moth, *Nola distributa* Walker. (Ch) *Acta Phytophacica Sinica* 4(3):277-283. Aug. 1965. Not in Libr.
I. C. Wang, S. L. Yang, and W. T. Lo, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 48:11. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 5410 JOHNSON, P. C. Attractiveness of lightning-struck ponderosa pine trees to *Dendroctonus brevicornis* (Coleoptera, Scolytidae). *Entomol. Soc. Amer. Ann.* 59(3):615. May 1966. 420 En82
- 5411 JONES, T., and WILKINSON, W. The East African forest insect survey. *East Afr. Agr. Forest. J.* 31(2):210-211. Oct. 1965. 24 Ea74
- 5412 JONES, T. Recent investigations of two new tree-borers in the indigenous forest of East Africa. *East. Afr. Agr. Forest. J.* 31(2):236-242. Oct. 1965. 24 Ea74
Chiefly biology of *Lamiidae*, pests of *Isobornia scheffleri* and *Larniaria excelsa* holstii.
- 5413 KAILDIS, D. S. Pests of the Greek fir (*Abies cephalonica*) in heavily eroded stands. (Ge) *Anz. Schädlingkunde* 39(6):81-85. June 1966. 421 An9
- 5414 KEARBY, W. H. Christmas tree production threatened by aphids [*Eulachnus agilis*]. *Sci. Farmer [Penn. Sta.]* 13(4):16. Summer 1966. 100 P3818
- 5415 KEREMIDCHIEV, M. T. Effect of insecticides on gradual changes in forest biocoenoses. (Bu) *Gorsko Stopanstvo* 22(5):17-19. May 1966. 99.8 G682
Effect on insect populations.
- 5416 KOLUBAJEV, S. Preventive control of nun moth (*Lymantria monacha*). (Cz) *Lesnicka Prace* 45(6):256-257. 1966. 99.8 L56
Forest pest.
- 5417 KORTING, A. Analysis of the time factor and the expected mortality of the longicorn beetles when subjected to chemical treatment. 2 p. *Transl.* 15195
Wood-destroying.
Translation from *Kursberichte aus der Bau-forschung* 5(7):116-117. 1964.
- 5418 KORTING, A. Decrease in the weight of beams infested with larvae of the house longhorn beetle [*Hylotrupes bajulus*]. 11 p. *Transl.* 16074
Translation from *Nachrichtenblatt des Deutschen Pflanzenschutzdienstes* 15(11):167-171. 1963.

- 5419 KORTING, A. Practical results of investigations over a period of years on the permanence of the preventive insecticidal effect of some wood preservatives. (Ge) Nachrichten. Deut. Pflanzenschutzdienstes 17(12):179-185. Ref. Dec. 1965. 442.9 B832
English summary.
To control *Hylotrupes bajulus*.
- 5420 KOVACEVIC, Z. Termites in the Adriatic belt of Yugoslavia. (Se) Biljna Zastita 10(4):76-79. Apr. 1966. 464.8 B49
As pests of trees and wood; includes control.
- 5421 KUO, T. C., LIANG, C. H., and YANG, Y. C. Control of chestnut borer, *Curlculio davidi* Faust. (Ch) Scientia Silvae 10(3):239-246. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:7. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 5422 LI, Y. C., and HUANG, S. T. Investigation of the biology of Mongolian and large gray weevils and their control. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:98-114. Aug. 1965. Not in Libr.
Pests of trees.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:13-14. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
As pests of forests.
- 5423 LOZOVOI, D. I. Vrednye nasekomye parkovykh i lesoparkovykh nasazhdenii Gruzii [Injurious insect pests of park and forest trees in Georgian SSR]. Tbilisi, Metsniereba, 1965. 268 p. Ref. SB761. L6
- 5424 MEANLEY, B. Red-winged blackbirds searching beneath pine bark for insects in winter. Auk 83(3):480-481. July 1966. 413.8 Au4
In *Pinus taeda* and *P. palustris*.
- 5425 MILLER, C. A. The black-headed budworm [*Acleris variana*] in eastern Canada. Can. Entomol. 98(6):592-613, map. Ref. June 1966. 421 C16
Includes parasites of this pest of *Abies balsamea* and outbreaks.
- 5426 MINYAILO, A., and MINYAILO, V. Preparations for control of poplar borers. (Rus) Zashch. Rast. Vred. Boleznei 11:26. 1965. 421 Z1
Chlorophos and hexachlorophos for control of *Saperda carcharias* and *S. populnea*.
- 5427 MOMIROVIC, B. Pine twig withering. (Se) Nar. Sumar 20(3/4):85-92. Ref. Mar./Apr. 1966. 99.8 N16
English summary.
Possibly caused by scale insects.
- 5428 MORRISON, W. Beetlebomb; will it explode again in the Black Hills? Time and the extent of forest management will tell. Our Public Lands 16(2):18-19. Fall 1966. 156.55 Ou7
The Black Hills beetle, *Dendroctonus ponderosa*.
- 5429 MORSE, W. E., and WEST, E. An industrial approach to an insect problem. Amer. Pulpwood Ass. Tech. Pap., July 1966:9-10. 99.9 Am33Te
Phosphamidon control of Neodiprion merkelii on *Pinus elliotii*.
- 5430 NEEL, W. W., and GILLESPIE, W. H. Leaf mining weevil [*Odontopus calceatus*] damage on the tulip tree [*Liriodendron tulipifera*] in West Virginia. Entomol. News [Philadelphia] 77(5):139-142, map. May 1966. 421 En88
- 5431 NOVAK, V. A new type of trap for the control of *Hylobius abietis* L. (Ge) Anz. Schadlingskunde 38(6):88-90. June 1965. 421 An9
English summary.
- 5432 ORTIZ C., M. R., and CUEVAS L. E. Durability of natural wood and its wood products against the attack of biological agents of destruction. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:122-126. Sept. 1965. 99.9 Sa531
Pinus radiata and *Nothofagus dombeyi* tested against *Reticulitermes flavipes*, *Culicitermes chilensis*, *Poria vaporaria*, and *Polystictus sanguineus*.
Includes discussion.
- 5433 ORTIZ C., M. R. Efficacy of boron salts against attack by the subterranean termite (*Reticulitermes flavipes* Kollar). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:130-135. Ref. Sept. 1965. 99.9 Sa531
Pinus radiata.
- 5434 PENG, C. W. Studies on the biological control of the *Dendrolimus punctatus* in Hunan. (Ch) Sci. Silvae 10(2):167-174. Apr. 1965. 99.8 L632
Forest pest.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:10. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 5435 POSTNER, M. The alder borer, *Cryptorhynchus lapathi* L. (Curculionidae, Coleoptera). (Ge) Forstwiss. Centrbl. 85(5/6):147-165. Ref. May/June 1966. 99.8 F775
English summary.
Pest of alders and willows in Europe.
- 5436 RENNELS, R. G. The pales weevil [*Hylobius pales*] a new insect problem for growers of Christmas trees in Illinois. Ill. Res. 8(3):5. Summer 1966. 100 IL64
- 5437 ROIDE, K. Hints for the forecasting and control of *Otiorrhynchus niger* Fabricius and *Hylobius abietis* Linnaeus. (Ge) Bieter. Entomol. 16(1/2):193-197. 1966. 421 B392
English summary.
As pests of forests.
- 5438 ROSS, D. A. Control of mountain pine beetle, *Dendroctonus ponderosae* Hopk. brood in logs with lindane emulsion. Entomol. Soc. Brit. Columbia. Proc. 62:8-10. 1965. 420 B77
- 5439 SANTAMOUR, F. S., and RHODES, A. D. A trial of pales weevil [*Hylobius pales*] resistance. Tree Planters' Notes 76:21-24. Apr. 1966. 1,962 C5T71
Chiefly *Pinus strobus* and *P. cembra*.
- 5440 SCHIMITSCHEK, E., and WIENKE, E. Study of the readiness of tree varieties for the attacks by secondary pests. II. Study of the readiness of the European spruce [*Picea excelsa*]. (Ge) Z. Angew. Entomol. 57(1):73-139. Ref. Feb. 1966. 421 Z36
English summary.
Readiness caused by physiological diseases.
- 5441 SCHMIEGE, D. C., and HARD, J. S. A field test in southeast Alaska of *Bacillus thuringiensis* against the black-headed budworm, *Acleris variana* Fern. U. S. Forest Serv. Res. Note NOR-17,4 p. May 1966. A99.9 F7672U
Test on *Tsuga heterophylla*.
- 5442 SCHMIEGE, D. C. Mortality of overwintering eggs of the black-headed budworm [*Acleris variana*] and hemlock sawfly [*Neodiprion tsugae*] in southeast Alaska. U. S. Forest Serv. Res. Note NOR-15,4 p. May 1966. A99.9 F7672U
On *Tsuga heterophylla* and *Picea sitchensis*.
- 5443 SCHMIEGE, D. C. A note on the occurrence of the larch sawfly [*Pristiphora erichsonii*] in Alaska. Can. Entomol. 98(6):671-672, map. June 1966. 421 C16
Pest of *Larix laricina*.
- 5444 SCHMIEGE, D. C., and HARD, J. S. Oviposition preference of the black-headed budworm [*Acleris variana*] and host phenology. U. S. Forest Serv. Res. Note NOR-16,5 p. May 1966. A99.9 F7672U
Pest of western hemlock, *Tsuga heterophylla*, and Sitka spruce, *Picea sitchensis*, in Alaska.
- 5445 SILVA, F. A. E., and NOGUEIRA, C. D. S. The genus *Periclistus* Konow in the entomofauna of oak in Portugal (Hymenoptera, Tenthredinidae). (Por) Graellisa 21:131-141, map. Ref. Jan./Dec. 1965. 421 G74
Includes parasites and predators.
- 5446 SKUHRAVA, M. *Dasineura laricis*, a pest of larch. (Cz) Lesnicka Prace 45(6):261-262. 1966. 99.8 L56
Includes control.
- 5447 SOLOMON, J. D., and MORRIS, R. C. White oak borer [*Goes tigrinus*] in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 908,2 p. Nov. 1965. 100 M69In
Pests of hardwoods.

- 5443 STADNITSKII, G. V., and NAUMOV, F. V. Control of larvae of European pine sawfly (*Neodiprion sertifer* Geoffr.) with aerosols and dusts. (Rus) *Les. Zh.* 6:165-166, 1964, 99.8 Iz8
- 5449 SYNDER, T. E. Control of nonsubterranean termites. U. S. D. A. Farmers' Bull. 2018, rev., 16 p., map. Aug. 1966, 1 Ag84F
- 5450 TARASENKO, I. Biology of pine shoot moth [*Evetria resinella*]. (Rus) *Zashch. Rast. Vred. Boleznei* 11:25-26, 1965, 421 Z1
Includes control with DDT and chlorophos.
- 5451 TSANKOV, G., and CHERNEV, T. Spruce root weevil [*Otiorynchus ovatus*] as dangerous pest of spruce seedlings. (Bu) *Gorsko Stopanstvo* 22(6):30-32, June 1966, 99.8 G682
Includes chemical control.
- 5452 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. Occurrence of Formosan subterranean termite [*Coptotermes formosanus*] in Texas. *FAO Plant Protect. Bull.* 13(5):115, Oct. 1965, 421 P692
- 5453 WANG, K. C., LIU, A. T., and HSIEH, T. Y. A biological study of *Trioxia magnisetosa* Log. and its control. (Ch) *Scientia Silvae* 10(3):247-254, July 1965, 99.8 L632
Pest of *Elaeagnus angustifolia*.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Biomed. Sci.* 43:8, Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- 5454 WICKMAN, B. E. Use of radiography to detect mortality of California flatheaded borers [*Melanophila californica*] in pine [*Pinus jeffreyi*] bark. *J. Econ. Entomol.* 59(4):1028-1030, Aug. 1966, 421 J822
- 5455 WILKINSON, W. The principles of termite control in forestry. *East Afr. Agr. Forest. J.* 31(2):212-217, Ref. Oct. 1965, 24 Ea74
East Africa.
- 5456 WU, C. T., and HSU, C. C. A preliminary experiment on the control of pests of *Aleurites* with *Bacillus thuringiensis* var. *thuringiensis*. (Ch) *Scientia Silvae* 10(3):257-260, July 1965, 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Biomed. Sci.* 43:9, Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 214.7 Un34C
- 5457 ZASHEV, B., KEREMIDCHIEV, M., and GANCHEV, G. Fine-drop spraying as effective method of pine weevil control. (Bu) *Gorsko Stopanstvo* 22(6):25-29, June 1966, 99.8 G682
Hylobius abietis.
- 5458 ZAVEDNYUK, V. Introduction of ants into forests. (Rus) *Zashch. Rast. Vred. Boleznei* 11:24, 1965, 421 Z1
Formica rufa and *F. polyctena* for biological control of insect pests.
- 5459 ZITA, V. Forecasting outbreaks of pests in the protection of forests of Bosnia and Herzegovina. (Se) *Nar. Sumar* 20(5/6):177-183, May/June 1966, 99.8 N16
- 5460 ZONDAG, R. Dr. David Miller's contribution to forest entomology. *New Zeal. Entomol.* 3(4):10-11, Dec. 1965, 421 N48
- Pests of Field and Truck Crops
- 5461 AKINO, K. Repellent-like reaction of leaf hoppers against DDT. 4 p. *Transl.* 16210
Rice pest.
Translation from Kanto Tozan Plant Disease and Insect Pest Research Society 11:66, 1964.
- 5462 ALMEIDA, P. R., CAVALCANTE, R. D., and BITRAN, E. A. Field tests with granular insecticides in the control of *Laphygma frugiperda* Smith and Abbot, 1797. (Por) *Biologico* 32(3):52-54, Mar. 1966, 442.8 B529
As pest of grain.
- 5463 ARMBRUST, E. J., and GYRISCO, G. G. Alfalfa weevil [*Hypera postica*] control in New York. *J. Econ. Entomol.* 59(4):801-804, Aug. 1966, 421 J822
With insecticides.
- 5464 ARTHOFER, R. The European corn borer as paprika pest. (Ge) *Pflanzenarzt* 19(6):70, June 1, 1966, 464.9 P482
Pyrausta nubilalis.
- 5465 ARTHUR, A. P. The present status of the introduced skipper, *Thymelicus lineola* (Ochs.) (Lepidoptera: Hesperidae), in North America and possible methods of control. *Can. Entomol.* 98(6):622-626, map. Ref. June 1966, 421 C16
Pasture pest.
- 5466 AL-AZAWI, A. F. Seed treatment with phosphate, disulfoton, and other insecticides to control pea insects in Iraq. *J. Econ. Entomol.* 59(4):859-864, Ref. Aug. 1966, 421 J822
Chiefly *Thrips tabaci* and *Phytomyza atricornis*.
- 5467 BEDEKOVIC, M. Aphids on corn. (Se) *Biljna Zastita* 10(6/7):151-152, June/July 1966, 464.8 B49
- 5468 BEDEKOVIC, M. Haplodiplosis equestris Wagn. as pest of grain. (Se) *Biljna Zastita* 10(5):98-102, May 1966, 464.8 B49
Includes control.
- 5469 BOLING, J. C., and HACSKEYAY, J. Effect of the systemic insecticide UC 21149 and four pre-emergence herbicides on cotton seedlings. *J. Econ. Entomol.* 59(4):1026-1027, Aug. 1966, 421 J822
- 5470 BORIC, B. Outbreak of the alfalfa's pest *Otiorynchus ligustici* L. in the area of Central Backa. (Se) *Biljna Zastita* 10(5):102-105, May 1966, 464.8 B49
Includes control.
- 5471 BOWLING, C. C. Comparison of three formulations of aldrin for use as seed treatments for rice water weevil [*Lissorhynchus oryzophilus*] control. *J. Econ. Entomol.* 59(4):1008-1009, Aug. 1965, 421 J822
Texas.
- 5472 BRADLEY, R. H. E. Which of an aphid's styles carry transmissible virus? *Virology* 29(3):396-401, Ref. July 1966, 448.8 V61
Alfalfa mosaic virus, cucumber mosaic virus and potato virus carried by *Myzus persicae*.
- 5473 BREDERLOW, H. On the outbreaks of wheat midge (*Sitodiplosis mosellana*) on rye in the Weser-Ems area. (Ge) *Gesunde Pflanzen* 18(6):112-115, map. June 1966, 464.8 G33
- 5474 BRENIERE, J., and others. Tests with the introduction in Madagascar and Reunion of *Diatraeaophaga striatalis*, a parasite of *Proceras sacchariphagus* of sugarcane. (Fr) *Entomophaga* 11(2):231-238, 1966, 421 En835
P. Pfeffer, M. Betbeder-Matibet, and J. Etienne, joint authors.
English summary.
- 5475 BROYLES, J. W., and others. Corn stunt in Mississippi, 1963. *Miss. Agr. Exp. Sta. Inform. Sheet* 906, 2 p. Oct. 1965, 100 M69In
W. A. Douglas, A. J. Ullstrup, and W. N. Stoner, joint authors.
U. S. Department of Agriculture, cooperating. Leafhoppers as possible vectors.
- 5476 BULLEN, F. T. Locusts and grasshoppers as pests of crops and pasture, a preliminary economic approach. *J. Appl. Ecol.* 3(1):147-168, map. Ref. May 1966, 410 J828
Chiefly *Schistocerca gregaria*.
- 5477 BUTANI, D. K. Sugarcane and its problems: Sugarcane top borer, *Scirpophaga nivella* Fabricius—a review. *Indian Sugar [Calcutta]* 16(1):33-38, Ref. Apr. 1966, 65.8 In26
- 5478 CAMPBELL, W. V., and BRETT, C. H. Varietal resistance of beans to the Mexican bean beetle [*Epilachna varivestis*]. *J. Econ. Entomol.* 59(4):899-902, Aug. 1966, 421 J822
- 5479 CH'EN, C. M. The appearance in China of *Chilotraea auricilia* (Dugdon). (Ch) *Zhiwu Baohu* 2(4):160-161, 1964, 464.8 C432
Pest of rice and corn in China.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Biomed. Sci.* 50:13, Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSIL.
- 5480 CHESNOKOP, P. G. New methods in breeding corn varieties resistant to irit flies. (Rus) *Leningr. Vses. Inst. Rastenievod. Sb. Tr.* 1:36-43, 1964, 20 L543
Osciniella frit.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:7, Aug. 1965. Film S-202

- 5451 CH'EN, N. T., and others. Methyl bromide fumigation of infested potatoes for control of the potato tuberworm (*Gnorimoschema operculella* Zeller). (Ch) *Acta Phytophylacica Sinica* 4(3):237-248. Aug. 1965. Not in Libr. C. C. Chou, W. T. Cheng, and L. P. T'u, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 48:6-7. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 5452 CH'U, S. P., CHOU, T. J., and TUNG, H. F. Losses inflicted by *Pyrausta nubilalis* to corn crops at various stages of development. (Ch) *Acta Phytophylacica Sinica* 3(3):307-312. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 44:1. Feb. 24, 1966. (JPRS 34,281; TT 66-30722) 241.7 Un34C
Issued by CFSTI.
- 5453 CHU, J. S. A study of the control, by means of weeding, of the damage being inflicted to spring corn (*Zea mays* L.) by black cutworm (*Agrotis ipsilon*). (Ch) *Acta Phytophylacica Sinica* 4(3):225-230. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:4-5. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 5454 CLOWDER, D. F., BRADLEY, J. R., and GRAVES, J. B. Ultra-low-volume spraying for cotton insect control? *La. Agr.* 9(4):14-15. Summer 1966. 100 L939
- 5455 COSTA, A. S. Three whitefly-transmitted virus diseases of beans in Sao Paulo, Brazil. *FAO Plant Protect. Bull.* 13(6):121-130. Dec. 1965. 421 P692
Golden mosaic, mottled dwarf, and crumpling transmitted by *Bemisia tabaci*.
- 5456 COWAN, C. B., and others. Systemic insecticides for control of cotton insects. *J. Econ. Entomol.* 59(4):958-961. Aug. 1966. 421 J822
R. L. Ridgway, J. W. Davis, J. K. Walker, W. C. Watkins, and R. F. Dudley, joint authors.
Applied as granules and as sprays.
- 5457 DANON, M. Protection of corn against soil pests. (Se) *Bilina Zastita* 10(6/7):147-149. June/July 1966. 464.8 B49
- 5458 DAVIS, J. W., and others. Experimental insecticides applied as sprays to control thrips [*Frankliniella* sp.] and the cotton fleahopper [*Psallus seriatus*]. *J. Econ. Entomol.* 59(4):980-982. Aug. 1966. 421 J822
C. B. Cowan, W. C. Watkins, P. D. Lingren, and R. L. Ridgway, joint authors.
Texas.
- 5459 EMPSON, D. W. Wheat bulb fly. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(7):301. July 1966. 10 G79J
Hylemya coarctata.
- 5490 FABER, W. Practical problem of the control of the European bean beetle. (Ge) *Pflanzen-arzt* 18(10):108-109. Oct. 1, 1965. 464.9 P482
Bruchus rufimanus.
- 5491 FERREIRA, H. J. S. Reduction in cost of controlling the wheat caterpillar [*Laphygma exempta*]. (Por) *Agron. Angolana* 18:69-71. 1963. pub. 1965. 24 Ag83
English summary.
- 5492 FINLAYSON, D. G. Efficacy of several organophosphorus compounds against cycloclene-resistant onion maggots. *Entomol. Soc. Brit. Columbia. Proc.* 62:3-8. 1965. 420 B77
Hylemya antiqua.
- 5493 FLOYD, E. H. Survival of the sugarcane borer [*Diatraea saccharalis*] overwintering in corn stalks in Louisiana. *J. Econ. Entomol.* 59(4):825-827. Aug. 1966. 421 J822
- 5494 FLYAGINA, A. Control of winter cutworm. (Rus) *Zashch. Rast. Vred. Boleznei* 11:21-22. 1965. 421 Z1
Chemical control of *Agrotis segetum* on cotton.
- 5495 FUNABASAMA, K. On the occurrence of the 2nd generation of rice stem borer and its damage. 4 p. Transl. 16112
Chilo suppressalis.
Translation from Society of Plant Protection of North Japan. Annual Report 12:82-83. 1964.
- 5496 GALLUN, R. L., RUPPEL, R., and EVERSON, E. H. Resistance of small grains to the cereal leaf beetle [*Oulema melanopus*]. *J. Econ. Entomol.* 59(4):827-829. Aug. 1966. 421 J822
Wheat, oats, and barley.
- 5497 GIBBONS, R. W., and FARRELL, J. A. K. Test plant age and the transmission of groundnut rosette virus by the vector *Aphis craccivora* Koch. *Rhodesia Zambia Malawi J. Agr. Res.* 4(1):23-28. Ref. Jan. 1966. 24 R3472
Malawi.
- 5499 GIRARDEAU, J. H. Effect of placement and volume of sprays on control of insect pests of flue-cured tobacco. *Ag. Agr. Res.* 8(1):3. Summer 1966. 100 G295
Control with TDE.
- 5499 GRAHAM, H. M., and others. Control of pink bollworms [*Pectinophora gossypiella*] by male annihilation. *J. Econ. Entomol.* 59(4):950-953. Aug. 1966. 421 J822
D. F. Martin, M. T. Ouye, and R. M. Hardman, joint authors.
Using sex attractants as baits.
- 5500 GRAHAM, J. A. Control of insect pests in pasture. *Masses Univ. Manawatu, Sheepfarming Annu.* 1965:41-47. 45.9 M38S
With DDT, dieldrin, and lindane in New Zealand.
- 5501 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Cabbage aphid [*Brevicoryne brassicae*]. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 269, rev. 5 p. Nov. 1965. 10 G79La
Chiefly chemical control.
- 5502 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Onion fly. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 163, rev. 4 p. Nov. 1965. 10 G79La
Chiefly chemical control of *Delia antiqua* and *D. cilicrura*.
- 5503 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Pea moth [*Laspesyesia nigricana*]. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 334, rev. 4 p. Nov. 1965. 10 G79La
Chiefly control with DDT.
- 5504 GUROVA, Z. I. Control of *Athalia colibri* Christ on seeds of radish. (Uk) *Visnyk Sil's'-kohospodar. Nauk.* 6:57-60. June 1965. 20 V82
Russian summary.
Chemical.
- 5505 HASHIDA, N. A study concerning difference in the growth and damage of rice stem borer in large paddy fields under various soil conditions. I. Difference in the growth of larvae of rice stem borer in rice plants, by types of soil, and their damage. 7 p. Transl. 16198
Chilo suppressalis.
Translation from Nogyo Oyobi Engei 39(5):91-92. May 1964.
- 5506 HASHIDA, N. A study concerning difference in the growth and damage of rice stem borer in large paddy fields under various soil conditions. II. Degrees of damage on rice plants, the wear of mandibles of rice stem borer, its weight and the shape of its feces. 6 p. Transl. 16199
Chilo suppressalis.
Translation from Nogyo Oyobi Engei 39(11):93-94. Nov. 1964.
- 5507 HENDERSON, C. F., KINZER, H. G., and THOMPSON, E. G. Growth and yield of grain sorghum infested in the whorl with fall armyworm [*Spodoptera frugiperda*]. *J. Econ. Entomol.* 59(4):1001-1003. Aug. 1966. 421 J822
Oklahoma.
- 5508 HIROHARA, M. On the secondary effect of great-sphere aerial dusting against the 1st generation larvae of rice stem borer. 3 p. Transl. 16114
Chilo suppressalis.
Translation from Kanto-Tosan Plant Protection Society. Proceedings 11:59-60. 1964.
- 5509 HOFFMAN, J. D., LAWSON, F. R., and PEACE, B. Attraction of blacklight traps baited with virgin female tobacco hornworm [*Manduca sexta*] moths. *J. Econ. Entomol.* 59(4):609-611. Aug. 1966. 421 J822

- 5510 HOWLAND, A. F., and WILCOX, J. Evaluation of new insecticides for control of onion thrips [Thrips tabaci]. J. Econ. Entomol. 59(4):969-971. Aug. 1966. 421 J822
24 insecticides tested in California.
- 5511 HUDON, M. Insecticidal field treatments for the control of the European corn borer, *Ostrinia nubilalis* (Hubner), in southwestern Quebec, 1965. Pesticide Progr. 4(1):2-3. Jan. 1966. 79.8 P434
- 5512 HUDON, M. Timing insecticide applications for European corn borer [*Ostrinia nubilalis*]; control in southwestern Quebec, 1965. Pesticide Progr. 4(1):1-2. Jan. 1966. 79.8 P434
- 5513 IGNACIO SILVA G., P. Large-scale rearing of the wasp *Trichogramma* spp. in the Armero (Tolima) insectarium. (Sp) Rev. Nac. Agr. 60 (736):28-33. Aug. 1966. 9.4 R32
For biological control of cotton pests.
- 5514 IMAMURA, K. Reexamination of the method of forecasting the outbreak of the second generation rice stem borer. 9 p. Ref. Transl. 16193
Chilo suppressalis.
Translation from Proc. Assoc. Plant Protect. Hokuriku 12:7-9. 1964.
- 5515 INGRAM, W. R., and DAVIES, J. C. Recent advances in pest control on cotton in Uganda. East Afr. Agr. Forest, J. 31(2):169-174. Ref. Oct. 1965. 24 Ea74
Chemical control; review of literature.
- 5516 IONESCU, M., ROMASCU, E., and COICEV, A. A contribution to the biology and control of *Agrostis segetum* Schiff larvae. (Rum) Probl. Agr. [Bucharest] 17(5):70-73. May 1966. 21 R862
As pests of field crops.
- 5517 ISMAILOV, M., and ORUDZHEV, M. Mass outbreak of insect pests. (Rus) Zashch. Rast. Vred. Boleznei 11:44-45. 1965. 421 Z1
Of cotton.
- 5518 KNOWLTON, G. F. Grasshopper range and crop infestations, Utah, 1966. Utah, State Univ. Ext. Entomol. Mimeo Ser. 107, 2 p. Sept. 1966. 275.29 U1En
- 5519 KOULA, V., and RAJCHARTOVA, O. A study of direct toxicity of cold aerosols with analoguous DDT contents and with admixtures of polycyclic chlorinated insecticides to the Colorado beetle (*Leptinotarsa decemlineata* Say.). (Cz) Sb. UVITI (Ustav Vedeckech. Inform.) Ochrana Rostlin 2(2):119-124. Ref. May 1966. 464.8 Sb5
English summary.
As field crop pest.
- 5520 KRIZ, J. Occurrence and control of hop aphids in 1965. (Cz) Chmelarstvi 38(12):186-187. Dec. 5, 1965. 70.8 C33
- 5521 KUWAYAMA, S. Abnormal weather and disease & insect pests. Small rice leaf miners [*Hydrellia grisolea*], 12 p. Transl. 16160
Translation from Plant Protection, Japan 18 (6):245-247. 1964.
- 5522 LANDIS, B. J., and ONSAGER, J. A. Wireworms on irrigated lands in the West; how to control them. U. S. D. A. Farmers' Bull. 2220, 14 p. June 1966. 1 Ag84F
Chemical and cultural control of Elateridae, pest of field crops and vegetables.
- 5523 LEBLOCK, K. L., NOBLE, W. B., and STIBBITT, L. D. Fortuna, a new hard red spring wheat for sawfly [*Cephus cinctus*] areas. N. Dak. Farm. Res. 24(5):4-8. May/June 1966. 100 N813B
- 5524 LEE, C. W. Aerial applications of insecticide concentrates: droplet distribution in seed beans and cotton. Agr. Aviation 8(2):54-61. Ref. Apr. 1966. 333.8 Ag8
- 5525 LEGGE, J. B. B. Behaviour of *Myzus persicae* (Sulzer) on tobacco. I-II. Rhodesia Zambia Malawi J. Agr. Res. 4(1):29-38. Ref. Jan. 1966. 24 R3472
I, The effects of time of planting and the pattern of growth of the plants on infestation in the field; II, Settling responses on irrigated and non-irrigated field plants during and after a period of drought.
- 5526 LLOYD, E. P., and others. The reproduction-diapause approach to population control of the boll weevil [*Anthonomus grandis*]. J. Econ. Entomol. 59(4):813-816. Aug. 1966. 421 J822
F. C. Tingle, J. R. McCoy, and T. B. Davich, joint authors.
Mississippi.
- 5527 LUDERS, W. Is it possible to control the common spider mite *Tetranychus urticae* Koch in hops with sprays containing sulfur? (Ge) Anz. Schadlingskunde 38(12):180-186. Dec. 1965. 421 An9
English summary.
- 5528 LUKEFAHR, M. J., NOBLE, L. W., and HOUGHTALING, J. E. Growth and infestation of bollworms [*Heliothis zea*] and other insects on glanded and glandless strains of cotton. J. Econ. Entomol. 59(4):817-820. Aug. 1966. 421 J822
Includes *Heliothis virescens* in Texas and effects of gossypol in the cotton.
- 5529 MACELSKI, M. Some little known pests of corn. (Se) Biljna Zastita 10(6/7):156-158. June/July 1966. 464.8 B49
Includes control.
- 5530 MANOLACHE, C., SANDRU, I., and ROMASCU, E. *Grapholitha delinea* (Lepidoptera, Tortricidae), a new pest of hemp. (Rum) Probl. Agr. [Bucharest] 18(6):68-72. June 1966. 21 R862
- 5531 MARDZHANYAN, G. M., and UST'YAN, A. K. Integrated control of the aphid *Myzodes persicae* Sulz. (Homoptera, Aphisidae) on tobacco. (Rus) Entomol. Obozrenie 44(4):750-761. Ref. 1966. 421 R322
- 5532 MATSUNO, T., and KUMAGAI, H. Rice leaf beetle [*Lema oryzae*] control by aerial application of insecticides. 5 p. Transl. 16165
Translation from Kanto-Tosan Plant Protection Society. Proceedings 11:68. 1964.
- 5533 MCBRIDE, D. K., and COLBERG, W. J. Aphid control in small grain. N. Dak. State Univ. Ext. Circ. A-493, 2 p. Apr. 1966. 275.29 N812sa
Natural and chemical control.
- 5534 MCCLANAHAN, R. J., and SIMMONS, H. S. Sterilization of onion maggots [*Hyalemya antiqua*] by irradiation with cesium-137. Can. Entomol. 98(9):931-935. Sept. 1966. 421 C16
- 5535 MIRPULATOV, K. Low-volume spraying of cotton. (Rus) Zashch. Rast. Vred. Boleznei 11:27-28. 1965. 421 Z1
Control of insect pests.
- 5536 MODEN, W. L., and others. Control of alfalfa weevil with a "sprayrower." Idaho, Univ. Ext. Idaho, Curr. Inform. Ser. 33, 2 p. July 1966. 275.29 Id13dc
L. E. L'Keeffe, C. L. Peterson, and R. W. Portman, joint authors.
Control of *Hypera postica* with windrower-sprayer.
- 5537 MOORE, L. Sugar beets; insects. Ariz. Univ. Ext. Folder 114, 8 p.-folder. Feb. 1966. 275.29 Ar42Ext
- 5538 MOORE, S., and others. Losses caused by the Angoumois grain moth [*Sitotroga cerealella*] in dent corn. J. Econ. Entomol. 59(4):880-882. Aug. 1966. 421 J822
H. B. Petty, W. H. Luckmann, and J. H. Byers, joint authors.
- 5539 NAGY, B., and REICHART, G. A new pest of hemp; "the small hemp moth." (Hu) Magyar Mezőgazdaság 21(37):11. Sept. 14, 1966. 19 M27
Grapholitha sinana.
- 5540 NAGY, E., and PRENNER, J. Control of cockchafer in the comitatus of Vas. (Hu) Magyar Mezőgazdaság 21(32):15. Aug. 10, 1966. 19 M27
Chemical control of *Melolontha* spp. on field crops.
- 5541 NATH, P. Varietal resistance of cucumber, muskmelon, and watermelon to the striped cucumber beetle. Indian J. Entomol. 27(3):304-309. Ref. Sept. 1965. 420 In23
Acalymma vittata.

- 5542 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de coloradokever [Control of the Colorado potato beetle]. Neth. Plantenziektenkundige Dienst. Ber. 1666, 3 p. May 10, 1966. 464.9 N38
Leptinotarsa decemlineata.
- 5543 OATMAN, E. R. Parasitization of corn earworm [Heliothis zea] eggs on sweet corn silk in southern California, with notes on larval infestations and predators. J. Econ. Entomol. 59(4):830-835. Ref. Aug. 1966. 421 J822
Trichogramma pretiosum the only parasite reared from corn earworms during the three year study.
- 5544 ORLOB, G. B. Feeding and transmission characteristics of Aceria tulipae Keifer as vector of wheat streak mosaic virus. Phytopathol. Z. 55(3):218-238. Ref. Mar. 1966. 464.8 P562
- 5545 PAMUKOV, I. Injuries of tobacco caused by caterpillars of Chloridea obsoleta. (Bu) Bulg. Trutyn 9/10:24-25, 1965. 69.8 B872
- 5546 PAULIAN, F. The effectiveness of detox 25 against Tanymece dilaticollis Gyll. (Rum) Probl. Agr. [Bucharest] 10(6):73-78. June 1966. 21 R862
Corn pest.
- 5547 PEAY, W. E. Sugarbeet insects: how to control them. U. S. D. A. Farmers' Bull. 2219, 25 p. June 1966. 1 Ag84F
Chemical and natural control.
- 5548 PIVAR, G. A., DIMITRIJEVIC, M., and VALENCIC, L. Outbreaks and injuries caused by the corn moth (Pyrausta-Ostrinia nubilalis Hbn.) in some farming enterprises on the territory of Slavonia. (Se) Biljna Zastita 10(6/7):149-151. June/July 1966. 464.8 B49
- 5549 POPOV, P. Research on the plant on which the Colorado beetle (Leptinotarsa decemlineata Say) feeds in Bulgaria. (Bu) Trakarski Vestnik Nauk. 2(3):147-156. Ref. 1965. 64.8 R18
English summary.
- 5550 PUCHKOV, V. G. Glavneishie klopny-slepnyaki, vrediteli sel'skokhozyaystvennykh kultur [Most important Miridae, pests of agricultural crops]. Kiev, Naukova Dumka, 1966. 171 p. Ref. SB885.P8
- 5551 RAO, V. P. Occurrence of Pruthiana sexnotata on sugarcane in Assam. FAO Plant Protect. Bull. 13(6):138. Dec. 1965. 421 P692
- 5552 RAYCHAUDHURI, S. P., and CHATTERJEE, S. N. Transmission of chirk disease of large cardamom by aphid species. Indian J. Entomol. 27(3):272-276. Sept. 1965. 420 In23
Wheat virus disease.
- 5553 RIDGWAY, R. L., and LINDQUIST, D. A. Systemic activity of Shell SD-9129 in cotton plants. J. Econ. Entomol. 59(4):961-964. Ref. Aug. 1966. 421 J822
Tests with Aphis gossypii, Anthonomus grandis, and Tetranychus telarius.
- 5554 RIDGWAY, R. L., and others. Systemic insecticides for control of Lygus hesperus Knight on cotton. J. Econ. Entomol. 59(4):1017-1018. Aug. 1966. 421 J822
C. G. Jackson, R. Patana, D. A. Lindquist, B. G. Reeves, and L. A. Bariola, joint authors. Arizona.
- 5555 ROLSTON, L. H., and MAYES, R. Potentially useful insecticides for tomato fruitworm control. Ark. Farm Res. 15(3):7. May/June 1966. 100 Ar42F
Heliothis zea.
- 5556 RUSSO, G. The potato beetle (Chrysomela decemlineata Say); synonymy: Doryphora, Leptinotarsa decemlineata. (It) Portici. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23 (sup.) 6 p. preceding p. 1. 1965. 420 P82B
Includes chemical control.
- 5557 RYGG, T. Gulrotflue og gulrotsuger [Carrot rust fly [Psila rosae Fabr.] and carrot psylla [Trioxa apicalis Forstl.]. Norway. Landbrukdep. Opplysningsstjenesten. Smaskr. 7, rev., 4 p. 1966. 464.4 N38
Includes chemical control.
- 5558 SHIKATA, E., MARAMOROSCH, K., and GRANADOS, R. R. Electron Microscopy of pea enation mosaic virus in plants and aphid vectors. Virology 29(3):426-436. Ref. July 1966. 448.8 V81
Acyrthosiphon pisum as vector.
- 5559 SÍDEL'NIKOVA, M. Rogor for control of frit fly. (Rus) Zashch. Rast. Vred. Boleznei 11:22-23. 1965. 421 Z1
Oscinella frit on corn.
- 5560 SPARKS, A. N., and others. Field studies of European corn borer [Ostrinia nubilalis] biotypes in the Midwest. J. Econ. Entomol. 59(4):922-928. Ref. Aug. 1966. 421 J822
H. C. Chiang, A. J. Keaster, M. L. Fairchild, and T. A. Brindley, joint authors.
- 5561 STARKS, K. J., and others. Damage to corn by the pine scavenger caterpillar [Sathrobrotia rileyi] and its relationship to corn earworm [Heliothis zea] and rice weevil [Sitophilus oryzae] damage. J. Econ. Entomol. 59(4):931-934. Aug. 1966. 421 J822
H. C. Cox, W. W. McMillan, and R. L. Burton, joint authors.
- 5562 STEINHAEUER, A. L., BLICKENSTAFF, C. C., and ADLER, V. E. Effect of soray volume and pressure on the control of larvae of the alfalfa weevil, Hypera postica, with conventional spray equipment. J. Econ. Entomol. 59(4):1012. Aug. 1966. 421 J822
- 5563 TARLAKOVSKII, S. A., MENDE, P. F., and SMIRNOVA, G. V. Effect of preparations used in control of Eurygaster integriceps on wheat quality. (Rus) Khim. Sel'sk'om Khoz. 4(4):33-34. Apr. 1966. 385 K524
DDT, methyl parathion and trichlorfon.
- 5564 TKALICH, P. Resistance of hemp to European corn borer. (Rus) Zashch. Rast. Vred. Boleznei 11:52. 1965. 421 Z1
Ostrinia nubilalis.
- 5565 TOMIOKA, Y., and OKUYAMA, S. On the damage aspect of rice stem borer in Hokkaido. 3 p. Transl. 16151
Chilo suppressalis.
Translation from Society of Plant Protection of North Japan. Annual Report 15:86-87. 1964.
- 5566 ULLSTRUP, A. J. Maize dwarf mosaic, Indiana's newest corn disease. Purdue Univ. Ext. Ext. Circ. 536, 4 p., map. May 1965. 275.29 In2E
Transmitted by aphids or mechanical means.
- 5567 VOLK, J. Die häufigsten an der Kartoffel vorkommenden Blattläusarten in farbiger Darstellung [The most frequently occurring aphids on potatoes in colored illustrations]. Brunswick. Biol. Bundesanst. Land- Forstwirtschaft. Merkbl. 14, ed. 3, 11 p. Nov. 1965. 464.9 B833M
- 5569 WANG, K. M., CHIN, H. L., and CH'EN, H. Y. The appearance of Colasposoma metallicum, Clark, in the Yung-chin and its control. (Ch) Zhejiang Nongye Kexue 6:303-305. 1964. 22.5 C413
Sweetpotato pest.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:14. Mar. 9, 1966. (JPRS 34,467; TT 6-30907) 241.7 Un34C
Issued by CFSIL.
- 5569 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Control of alfalfa weevil larvae on alfalfa. Wash. State Univ. Ext. E. M. 2658, 3 p. June 1966. 275.29 W27Mi
Chemical control of Hypera postica.
- 5570 WATSON, T. F., and others. Effect of several insecticides and application schedules on cotton insect control. Ala. Agr. Exp. Sta. Progr. Rep. Ser. 88, 5 p. July 1965. 100 AL1M
F. S. Arant, W. G. Eden, and M. C. Sconyers, joint authors.
- 5571 WESTDAL, P. H., and RICHARDSON, H. P. The painted leafhopper, Enderia inimica (Say), a vector of wheat striate mosaic virus in Manitoba. Can. Entomol. 98(9):922-931, map. Sept. 1966. 421 C16
- 5572 WILSON, M. C., and HUBER, R. T. The alfalfa weevil [Hypera postica] in Indiana, 1965. Ind. Agr. Exp. Sta. Res. Progr. Rep. 210, 2 p., map. Dec. 1965. 100 In2Res
Research programs.
- 5573 WILSON, M. C., HINTZ, T. R., and MEEKS, R. W. Evaluating insecticides for alfalfa weevil [Hypera postica] control. Ind. Agr. Exp. Sta. Res. Progr. Rep. 266, 7 p. Sept. 1966. 100 In2Res

- 5574 WOLFENBARGER, D. A., and WOLFENBARGER, D. O. Control of two lepidopterous cabbage pests by use of different insecticides and application methods. *Fla. Entomol.* 49(2):87-90. June 1966. 420 F662
Trichoplusia ni and Plutella maculipennis in Florida and Texas.
- 5575 YAMAN, I. A. Biology and control of spider mite Tetranychus telarius L. on eggplants. (Ge) *Anz. Schädlingkunde* 38(5):65-69. Ref. May 1965. 421 An9
English summary.
With Keltane and Tedion.
- 5576 YASUO, S., and YANAGIDA, K. A serological technique for identifying viruliferous plant hopper with rice stripe virus. 15 p.
Transl. 15064
Translation from *Plant Protection* 17(6):215-218. 1963.
- 5577 YOUNG, D. F., and others. Protect truck crops from insects. Miss. State Univ. Ext. Publ. 554,28 p. Mar. 1966. 275,29 M68Ext
H. B. Green, W. O. Thomas, and A. G. Bennett, joint authors.
Chemical control on vegetables.
- 5578 YU, T. C., and LI, C. P. Preliminary studies on the cotton diamond boll-worms, *Earias cucupreviridis* Wk. & E. Fabia Stall. in Kiangsi. (Ch) *Acta Phytophylacica Sinica* 4(3):271-276. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 48:10. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241,7 Un34C
- 5579 ZHURABLEV, V. Invasion of Colorado potato beetle. (Rus) *Zashch. Rast. Vred. Bolezni* 11:48. 1965. 421 Z1
Leptinotarsa decemlineata.
Pests of Fruit and Nut Crops
- 5580 ADHAM, Z. Appearance of Ectomyelois ceratoniae. *FAO Plant Protect. Bull.* 13(5):113-114. Oct. 1965. 421 P692
A new pest of pomegranates in Saudi Arabia.
- 5581 AKHALADZE, TS. Natural enemies of sphinx. (Rus) *Zashch. Rast. Vred. Bolezni* 11:52-53. 1965. 421 Z1
Polyhedroses and pathogenic fungi of Celerio livornica on grapes.
- 5582 BHATIA, S. K., and KAUL, N. H. Relative toxicity of some insecticides to the adults and the maggots of the melon fly Dacus cucurbitae Coquillett (Diptera: Tephritidae). *Indian J. Entomol.* 27(3):262-271. Ref. Sept. 1965. 420 In23
- 5583 BOBB, M. L. Effectiveness of insecticides for control of the lesser peach tree borer [Synanthedon pictipes]. *J. Econ. Entomol.* 59(4):971-973. Aug. 1966. 421 J822
Virginia.
- 5584 BOHM, O. Further information and examples of the identification of aphids as direct pests. I. (Ge) *Pflanzenarzt* 18(10):109. Oct. 1, 1965. 464,9 P482
Development of their larvae on fruit trees.
- 5585 BOHM, H. On spraying preparations. (Ge) *Pflanzenarzt* 19(3):25-26. Mar. 1, 1966. 464,9 P482
In the winter fruit pest control.
- 5586 BOHM, H. Wormy plums. (Ge) *Pflanzenarzt* 19(6):70. June 1, 1966. 464,9 P482
Diazinon and parathion for control of Grapholitha funebrana.
- 5587 BORG, A. A case of injuries to strawberries by the beetle *Lagria hirta* L. (Sw) *Swed. Stat Vaxtskyddsanst. Vaxtskyddsnötiser* 29(5):70-72. 1965. 464,9 Sw3V
- 5588 BOULANGER, L. W., and ABDALLA, D. A. Control of the blueberry thrips [Frankliniella vaccini] in Maine. *J. Econ. Entomol.* 59(4):1007-1008. Aug. 1966. 421 J822
Insecticidal control.
- 5589 CARMONA, M. M., and DIAS, J. C. D. S. Prays citri Milliere, a new species in Portugal. (Por) *Broteria* 35(1/2):121-127. 1966. 410 B79C
English summary.
Attacking lemon trees.
- 5590 CARMONA, M. M. The problem of Acarina on the cultivated plant of Portugal. (Por) *Gracilisa* 21:121-130. Ref. Jan./Dec. 1965. 421 G75
Chiefly as fruit and field crop pests.
- 5591 DAMIANO, A. Tests for control of Dacus oleae Gml. and Pericarya purchasi Maskell conducted in Tripolitania (Libya) during 1964 with new organic phosphorus insecticides. (It) *Riv. Agr. Subtrop. Trop.* 60(1/3):49-52. Jan./Mar. 1966. 26 Ag82
The latter insect was on oranges.
- 5592 EADS, R. B., CAMPOS, E. G., and TREVINO, H. A. Quarantine problems associated with the importation of bananas from Mexico. *J. Econ. Entomol.* 59(4):886-899. Aug. 1966. 421 J822
Insects and rodents intercepted in 100 trucks entering Texas.
- 5593 EIDE, P. M. The life history and control of Nemocetes incomptus (Horn), a native root weevil attacking strawberries in western Washington. *J. Econ. Entomol.* 59(4):1004-1005. Aug. 1966. 421 J822
With insecticides.
- 5594 FERRAO, A. P. S. F. Brocas do tronco do café (Stem borers of coffee). Chianga, Instituto de Investigacao Agronomica de Angola. 1965. 13 p. SB608.C6F4
Chiefly Anthores leuconotus and Bixadus siericola; includes chemical control.
- 5595 GALETENKO, S. M. The fauna of fruit-tree leaf rollers (Lepidoptera, Tortricidae) of the Crimea. (Rus) *Entomol. Obozrenie* 45(2):261-285. Ref. 1966. 421 R322
Includes chemical control.
- 5596 GIAMMANCO, G., MILITELLO, M., and MINEO, G. Tests with Bacillus thuringiensis in the control of Prays citri Mill. (It) *Entomophaga* 11(2):211-212. 1966. 421 En835
English summary.
Citrus pest control.
- 5597 GLASS, E. H. Apple maggot [Rhagoletis pomonella] control in western New York. N. Y. (State) *Agr. Exp. Sta. Res. Circ.* 5,11 p. July 1966. 100 N48R
- 5598 GOMERAC, W. L. Controlling strawberry root weevil and sweet clover root weevil. *Wis. Univ. Ext. Spec. Circ.* 109,4 p. Sept. 1965. 275,29 W75S
Chemical control of Brachyrhinus ovatus and Sitona cylindricollis.
- 5599 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Currant and gooseberry sawflies. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 30,rev.,5 p. Apr. 1966. 10 G79La
Control of Nematus ribesii, N. olfactens, and N. leucotrochus with derris and malathion.
- 5600 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Mussel scale [Lepidosaphes ulmi] and brown scale [Parthenolecanium corni]. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 88,rev.,4 p. Dec. 1965. 10 G79La
Chiefly chemical control of these pests of fruit and ornamentals.
- 5601 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Reversion disease and gall mite [Cecidophypsis ribis] of black currant. *Great Brit. Min. Agr. Fish. Food. Adv. Leaflet* 277,rev.,7 p. Mar. 1966. 10 G79La
Includes control.
- 5602 HERNE, D. H. C., and PUTMAN, W. L. Toxicity of some pesticides to predaceous arthropods in Ontario peach orchards. *Can. Entomol.* 98(9):936-942. Ref. Sept. 1966. 421 C16
Insecticides.
- 5603 HORN, N. L., and others. How viruses affect Louisiana strawberries. *La. Agr.* 9(4):10-11. Summer 1966. 100 L399
R. G. Carver, J. R. Walker, and H. B. Boudreaux, joint authors.
Aphids, as vectors.
- 5604 HUFFAKER, C. B., and FLAHERTY, D. L. Potential of biological control of two-spotted spider mites [Tetranychus urticae] on strawberries in California. *J. Econ. Entomol.* 59(4):786-792. Ref. Aug. 1966. 421 J822
A study of the use of Metaseiulus occidentalis is recommended.

- 5605 JANNONE, G. Results of phytosanitary controls on foreign plants and plant products in the Port of Genoa. IV. On the presence of larvae of three species of Lepidoptera in lots of bananas coming from the Canary Islands. (It. Riv. Agr. Subtrop. Trop. 60(1/3):5-34. Ref., p.32-34. Jan./Mar. 1966. 26 Ag62
Prodenia litura, Chrysodeixis chalcites, and Hieroxestis subcervinella.
- 5606 KOVALENKO, V., NEKLYUDOVA, M., and GRIB, O. Preparations for control of brown fruit mite. (Rus) Zashch. Rast. Vred. Boleznei 11:22. 1965. 421 Z1
Mezuroi, Unden and Eradex for Bryobia redikorzei on apples.
- 5607 LABRECQUE, G. C., and KELLER, J. C. Advances in insect population control by the sterile-male technique; report of a panel held in Vienna 20-24 July 1964. Vienna, 1965. 79 p. Ref. (International Atomic Energy Agency. Technical Reports Series, No. 44) SB975.L3
Chiefly control of fruit flies and livestock pest Glossina by radiation.
- 5608 MADSEN, H. F., and JACK, I. D. The relation of thrips to pansy spot on apples. Can. Entomol. 98(9):903-908. Sept. 1966. 421 C16
Chiefly Frankliniella occidentalis.
- 5609 MILLER, C. W. Dieldrin persistence in cranberry bogs. J. Econ. Entomol. 59(4):905-906. Aug. 1966. 421 J822
Used to control Lichnanthe vulpina and Phyllophaga anxia.
- 5610 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. Insekten- en spinbestrijding bij appel en peer in de periode rond de bloei [Control of insects and spider mites on apples and pears around blossoming time]. Neth. Plantenziektenkundige Dienst, Ber. 1665,4 p. Apr. 27, 1966. 464.9 N38
- 5611 PEIU, M., FILIPESCU, C., and PATRASCANU, E. New data on the methods of control of Rhagoletis cerasi L. (Rum) Gradina, Via Livada 15(5):54-58. May 1966. 80 G75
- 5612 PEST control and public opinion. Int. Fruit World 25(2):108,111-112,115,117-118. Summer 1966. 286.83 F9426
Text also in French and German.
Hazards of insecticidal use on fruit and vegetables.
- 5613 PRIORE, R. Experiments in winter chemical control of coccids in the Provinces of Naples and Caserta during 1965. (It) Portici. Lab. Entomol. Agr. "Filippo Silvestri." Boll. 23: 193-210, map. 1965. 420 P82B
English summary.
Fruit pest control with parathion and oil insecticides.
- 5614 PUCHOLT, R. New interesting black passengiers in the shipment of bananas. (Cz) Ziva 14(4):141-142. June 1966. 409.6 Z6
Spiders.
- 5615 PURDUE UNIVERSITY, DEPT. OF AGRICULTURAL EXTENSION. How to control mint insects. Purdue Univ. Ext. Mimeo E-78,2 p. May 1965. 423.9 In22
- 5616 PUTMAN, W. L., and HERNE, D. H. C. The role of predators and other biotic agents in regulating the population density of phytophagous mites in Ontario peach orchards. Can. Entomol. 98(8):808-820. Ref. Aug. 1966. 421 C16
Chiefly Panonychus ulmi.
- 5617 QUIST, J. A. Approaches to orchard insect control. Colo. Agr. Exp. Sta. Tech. Bull. 5175, 93 p., map. Ref., p.85-93. May 1966. 100 C715
Chiefly chemical control.
- 5618 RIEHL, L. A., COGGINS, C. W., and CARMAN, G. E. Navel orange water spot protection by gibberellin. J. Econ. Entomol. 59(3):615-618. Ref. June 1966. 421 J822
After spraying with oil insecticides, dicofol, or malathion.
- 5619 RODRIGUEZ, J. G., CAMPBELL, J. M., and EYERLENS, K. G. Effect of some oil-insecticide combinations on coffee leaf miner [Leucoptera coffeella]. J. Econ. Entomol. 59(4): 773-779. Ref. Aug. 1966. 421 J822
Guatemala.
- 5620 RUIZ CASTRO, A. Should the method of controlling Prays [olellus] of olives be modified? (Sp) Agricultura [Madrid] 35(412):426-429. Aug. 1966. 15 Ag84
- 5621 RUSS, K. Anisandrus dispar on grapes. (Ge) Pflanzenarzt 19(7):83. July 1, 1966. 464.9 P482
- 5622 SANFORD, K. H., and HERBERT, H. J. The influence of spray programs on the fauna of apple orchards in Nova Scotia. XV. Chemical controls for winter moth, Operophtera brumata (L.), and their effects on phytophagous mite and predator populations. Can. Entomol. 98(9):991-999. Sept. 1966. 421 C16
DDT, azinphos-methyl, and lead arsenate.
- 5623 SCHWARTZ, A. Silver mite [Hemitarsonemus latus] on lemons. Farming S. Afr. 42(4):23,58. July 1966. 24 So842
Includes chemical control.
- 5624 SHANKS, C. H. Apparent increase in populations of the strawberry aphid [Chaetosiphon fragaefolii] caused by phorate and disulfoton. J. Econ. Entomol. 59(4):935-937. Aug. 1966. 421 J822
- 5625 STEVENSON, A. B. Occurrence of the grape cane girdler, Amblyoplypter ater LeConte (Coleoptera: Curculionidae) in Ontario. Can. Entomol. 98(8):880. Aug. 1966. 421 C16
- 5626 SUPLYIC, N., and others. Tests with the control of Hypocalla andremona Cram. (Lepidoptera, Noctuidae) on persimmons. (Por) Biologico 32(2):30-33. Feb. 1966. 442.8 B529
A. Orlando, O. Rigitano, E. A. Bitran, and A. S. Sampaio, joint authors.
- 5627 SUTYAGIN, S. Using biological method. (Rus) Zashch. Rast. Vred. Boleznei 11:36. 1965. 421 Z1
Trichogramma and Beauveria bassiana for control of Carpocapsa pomonella on apples.
- 5628 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. Infestation of Anastrepha suspensa. FAO Plant Protect. Bull. 13(5):114-115. Oct. 1965. 421 P692
Florida.
- 5629 WIACKOWSKI, S. K., and WIACKOWSKA, L. Biological, microbiological and chemical control of the plum moth Laspeyresia funebrana Tr. [Lepidoptera, Tortricidae] in Poland. Entomophaga 11(3):261-267. 1966. 421 En835
- 5630 WOLFENBARGER, D. O. Pachystethus marginata, a locally serious pest of avocado, lychee, and mango. Fla. Entomol. 49(2):125-126. June 1966. 420 F662
- 5631 WOOD, G. W. Life history and control of a casebearer, Chlamisus cribripennis (Coleoptera: Chrysomelidae), on blueberry. J. Econ. Entomol. 59(4):823-825. Aug. 1966. 421 J822
With insecticides in Canada.

Pests of Ornamentals, Greenhouses, and Nurseries

- 5632 BUTLER, G. D., and SCANLON, T. Evaluation of materials for the control of the bermudagrass mite [Aceria neocydonis]. Ariz. Agr. Exp. Sta. Rep. 230:11-16. 1965. 100 Ar4M
- 5633 BUTLER, G. D., and KNEEBONE, W. R. Variations in response of bermudagrass varieties to bermudagrass mite [Aceria neocydonis] infestations with and without chemical control. Ariz. Agr. Exp. Sta. Rep. 230:7-10. 1965. 100 Ar4M
Control with diazinon.
- 5634 KERR, S. H. Recommendations for commercial lawn spraying. Fla. Agr. Exp. Sta. Circ. S-121C, 18 p. Apr. 1966. 100 F66C
- 5635 KNOWLTON, G. F. Let's control lawn insects - and related pests. Utah. State Univ. Ext. Entomol. Mimeo Ser. 106,2 p. July 1966. 275.29 Ut1En
Chemical control.
- 5636 MULLER, F. P., and BUHR, H. J. Hyadaphis tataricae Ajzenberg, a new pest of Lonicera tatarica L. and some other Lonicera ornamental shrubs in central Europe (Homoptera, Aphididae). (Ge) Anz. Schädlingkunde 38(5):69-72. May 1965. 421 An9
English summary.

- 5637 SCHREAD, J. C. Tests of systemic insecticides for control of insect pests of ornamentals. *J. Econ. Entomol.* 59(4):983-984. Aug. 1966. 421 J822
- 5639 TAKSDAL, G. Hemiptera (Heteroptera) collected on ornamental trees and shrubs at the Agricultural College of Norway, As. *Norsk Entomol. Tidsskr.* 13(1/2):5-10. Ref. 1965. 421 N812
- 5639 VANCE, A. M., and APP, B. A. Lawn insects; how to control them. U. S. D. A. Home Gard. Bull. 53, rev., 24 p. Aug. 1966. 1 Ag84Hg
Chemical control.
- Pests of Stored Products and Processed Commodities
- 5640 ALKAN, B. The most important storage pests in Turkey and their control. (Ge) Ankara Univ. Fac. Agr. Yearbook 1964:121-130. Ref. 1965. 25 An42
- 5641 ASHMAN, F. An assessment of the value of dilute dust insecticides for the protection of stored maize in Kenya. *J. Appl. Ecol.* 3(1):169-179. May 1966. 410 J828
To control *Sitophilus zeamais*, *Tribolium castaneum* and *Cadra cautella*.
- 5642 ASHMAN, F. Some essential considerations for planning field trials to assess the effectiveness of insecticidal treatments against stored products pests. *Trop. Stored Prod. Inform.* 11:425-430. 1965. 421 T752
- 5643 BANHAM, E. J., and CROOK, L. J. Susceptibility of the confused flour beetle, *Tribolium confusum* Duv., and the rust-red flour beetle, *Tribolium castaneum* (Herbst.), to gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.107-118. Ref. 1966. SB608.G6C6
- 5644 BRUNETEAU, J. Protection of stored grain. (Fr) *Phytoma* 17(169):23-30. June 1965. 464.8 P563
Methods and equipment for chemical pest control.
- 5645 BULL, J. O., and CORNWELL, P. B. A comparison of the susceptibility of the grain weevil *Sitophilus granarius* (L.) to accelerated electrons and ^{60}Co gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.157-175. Ref. 1966. SB608.G6C6
- 5646 BULL, J. O., and CORNWELL, P. B. The effect of culture environment on the susceptibility of *Sitophilus granarius* (L.) to gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.57-69. Ref. 1966. SB608.G6C6
- 5647 BURKHOLDER, W. E., TILTON, E. W., and COGBURN, R. R. Effects of gamma radiation on the grain mite, *Acarus siro*. *J. Econ. Entomol.* 59(4):976-980. Aug. 1966. 421 J822
- 5649 CARLSON, S. D. Fumigation of *Tribolium confusum* adults with 80:20 (CCl_4 : CS_2) during carbon dioxide- or nitrogen-induced respiration elevation or depression. *J. Econ. Entomol.* 59(4):870-872. Aug. 1966. 421 J822
- 5649 CHILDS, D. P. Laboratory evaluation of insecticides against the cigarette beetle [*Lasioderma serricorne*]. *J. Econ. Entomol.* 59(4):846-849. Aug. 1966. 421 J822
16 insecticides tested.
- 5650 CORNWELL, P. B., BULL, J. O., and PENDLEBURY, J. B. Control of weevil populations (*Sitophilus granarius* (L.)) with sterilising and substerilising doses of gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.71-95. Ref. 1966. SB608.G6C6
- 5651 CORNWELL, P. B. The entomology of radiation disinfestation of grain; a collection of original research papers. Oxford, Pergamon, 1966. 236 p. Ref. SB608.G6C6
Research done by the Wantage Research Laboratory, Entomology Group, of the U. K. Atomic Energy Authority.
- 5652 CORNWELL, P. B. Susceptibility of the grain and rice weevils, *Sitophilus granarius* (L.) and *Sitophilus zeamais* Mots. to gamma radiation. In his Entomology of radiation disinfestation of grain, p.1-18. Ref. 1966. SB608.G6C6
- 5653 CORNWELL, P. B. Susceptibility of laboratory and wild strains of the grain weevil *Sitophilus granarius* (L.) to gamma radiation. In his Entomology of radiation disinfestation of grain, p.19-26. 1966. SB608.G6C6
Sterilization study.
- 5654 DAL MONTE, G. Ricerche sulla sopravvivenza degli insetti granivori durante la fabbricazione delle paste alimentari [Research on the survival of granivorous insects during the manufacture of food pastes]. Roma, Ministero dell'Agricoltura e delle Foreste, Direzione Generale dell'Alimentazione, 1966. 71 p. Ref. SB931.D3
English summary.
Sitophilus oryzae and *S. granarius*.
- 5655 DANON, M. Protection of stored corn. (Se) *Biljna Zastita* 10(6/7):158-163. June/July 1966. 464.8 B49
Includes pest control.
- 5656 FAZIO, C. Ionizing radiations for the disinfestation of stored products. (It) *Agr. Italia* 12(4):3-6. Apr. 1966. 16 Ag8232
- 5657 FREY, W. The biology of the red-legged ham beetle (*Necrobia rufipes* Deg.) and its importance for storage protection in Germany. (Ge) *Biljna Zastita* 13(7):125-128, 131-132. Ref. July 1966. 464.8 B49
- 5658 GOMERAC, W. L. Controlling box-elder bugs. *Wis. Univ. Ext. Spec. Circ.* 110.4 p. Sept. 1965. 275.29 W755
Chemical control of *Leptocoris trivittatus*, a household pest.
- 5659 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Insects and mites in farm-stored grain. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 368, rev., 8 p. Apr. 1966. 10 G79La
Chiefly chemical control.
- 5660 GRONHOFF, W. Control of cockroaches in the kitchen: spraying or fogging? (Ge) *Prakt. Schädlingbekämpfer* 17(12):150-151. Dec. 1965. 421 P882
- 5661 ILIC, B. Preventive measures in the protection of stored wheat. (Se) *Glasnik* 15(6):32-36. 1966. 280.28 Z13
Includes use of insecticides.
- 5662 JEFFERIES, D. J. Effects of continuous and fractionated doses of gamma radiation on the survival and fertility of *Sitophilus granarius* (L.). In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.41-56. Ref. 1966. SB608.G6C6
- 5663 JEFFERIES, D. J., and BANHAM, E. J. The effect of dose rate on the response of *Tribolium confusum* Duv., *Oryzaephilus surinamensis* (L.) and *Sitophilus granarius* (L.) to ^{60}Co gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.177-185. Ref. 1966. SB608.G6C6
- 5664 JEFFERIES, D. J. Susceptibility of the saw-toothed grain beetle, *Oryzaephilus surinamensis* (L.) to gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfestation of grain, p.119-130. Ref. 1966. SB608.G6C6
- 5665 KALINA, J., FRIC, V., and HAS, S. The control of stored grain pests with high frequency electricity. (Cz) *Czech. Min. Zemedel. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 39(6):359-370. June 1966. 58.9 C333
English summary.
Electric heating equipment.
- 5666 KOCKUM, S. Crib storage of maize, a trial with pyrethrin and lindane formulations. *East Afr. Agr. Forest. J.* 31(1):8-10. July 1965. 24 Ea74
Control of *Sitophilus zeamais*, *Sitotroga cerealella*, and *Anisopteromalus calandrea* in Kenya.

- 5667 KRYZHENKOV, A. N., and KREITZBERG, V. E. Sanitary evaluation of products treated with methyl bromide. 9 p. Ref. (TT 62-16268) Transl. 15318
Stored products.
Translation from *Gigiena i Sanitariya* 22(7): 86-88, 1957.
Issued by CFSTI.
- 5668 MACFARLANE, J. J. Control of the Queensland fruit fly [*Strumeta tryoni*] by gamma irradiation. *J. Econ. Entomol.* 59(4):884-889. Ref. Aug. 1966. 421 3822
On the harvested fruit in Australia.
- 5669 MATSUMURA, F., and HAYASHI, M. Dieldrin, interaction with nerve components of cockroaches. *Science* 153(3737):757-759. Ref. Aug. 12, 1966. 470 Sci2
Blattella germanica.
- 5670 MCLELLAN, R. H. Practical trials of fogging tobacco warehouses with synergised pyrethrum-in-oil solutions to control the adult cigarette beetle. *Pyrethrum Post* 8(2):26-28. Oct. 1965. 421 P99
Lasioderma serricorne.
- 5671 MILOSEVIC, B. Inspection of corn for export. (Se) *Biljna Zastita* 10(6/7):122-124. June/July 1966. 464.8 B49
Storage pests and diseases.
- 5672 MONTE, G. DAL. Grain infestation sifted through the X-ray sieve. 3 p. Transl. 14828
Translation from *Molini d'Italia* 9:422-423. 1958.
- 5673 PENDLEBURY, J. B. The influence of temperature upon the radiation susceptibility of *Sitophilus granarius* (L.). In Cornwell, P. B., ed. The entomology of radiation disinfection of grain, p. 27-40. Ref. 1966. SB608.G6C6
Gamma rays.
Discussion, p. 187-227.
- 5674 PENDLEBURY, J. B., and others. Some effects of gamma radiation on *Rhizopertha dominica* (F.), *Cadra castellei* (Wlk.), *Plodia interpunctella* (Hüb.), and *Lasioderma serricorne* (F.). In Cornwell, P. B., ed. The entomology of radiation disinfection of grain, p. 143-156. Ref. 1966. SB608.G6C6
D. J. Jefferies, E. J. Banham, and J. O. Bull, joint authors.
- 5675 PETERS, H., and NAHER, A. Springtails as pests in a new apartment building. (Ge) *Prakt. Schädlingbekämpfer* 18(1):1-2. Jan. 1966. 421 P882
Collembola.
- 5676 QUINLAN, J. K., and BERNDT, W. L. Evaluation in Illinois of four inert dusts on stored shelled corn for protection against insects, a progress report. U. S. Agr. Res. Serv. ARS 51-6, 20 p. Ref. June 1966. A280.39 R31A
Use of diatomaceous earth, silica aerogel, and malathion.
- 5677 RAUSCHER, H. Gaseous material for pest control. (Ge) *Prakt. Schädlingbekämpfer* 18(6):93-94. June 1966. 421 P882
Fumigants for insect pest control.
- 5678 ROBERTSON, R. L. Check for insect damage; acreage-pounding program may increase on the farm storage. *The Cured Tobacco Farmer* 2(9):18. Nov. 1965. SB2173.A1F58
- 5679 SCHMIDT, L. Pests transposable with the corn in quarantine. (Se) *Biljna Zastita* 10(6/7):125-130. June/July 1966. 464.8 B49
- 5680 SHIPP, E. The effect of rearing medium on the susceptibility of *Tribolium confusum* Duv. and *Sitophilus granarius* (L.) to gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfection of grain, p. 97-105. 1966. SB608.G6C6
- 5681 SHIPP, E. Susceptibility of Australian strains of *Sitophilus* and *Tribolium* species to gamma radiation. In Cornwell, P. B., ed. The entomology of radiation disinfection of grain, p. 131-141. Ref. 1966. SB608.G6C6
- 5682 SURTEES, G. Locomotory behaviour of pyrethrum-resistant and susceptible strains of grain weevil, *Sitophilus granarius* (L.) (Coleoptera, Curculionidae). *Anim. Behav.* 14(2/3): 201-203. Apr./July 1966. 410 B77
- 5683 TILTON, E. W., BURKHOLDER, W. E., and COGBURN, R. R. Effect of gamma radiation on *Trogoderma glabrum* and *Attagenus piceus*. *J. Econ. Entomol.* 59(4):944-948. Aug. 1966. 421 3822
Stored products pests.
- 5684 TIRELLI, M. Present knowledge on the disinfection of stored tobaccos. I. 19 p. Ref. Transl. 15019
Control of *Ephestia elutella* and *Lasioderma serricorne*.
Translation from *Tabacco* 56:178-189. June 1952.
- 5685 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Controlling household pests. U. S. D. A. Home Gard. Bull. 96, slightly rev., 32 p. Aug. 1966. 1 Ag84Hg
Chemical control.
- 5686 U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Protecting woollens against clothes moths and carpet beetles. U. S. D. A. Home Gard. Bull. 113, 8 p. Apr. 1966. 1 Ag84Hg
Chiefly chemical control.
- 5687 U. S. FOOD AND DRUG ADMIN. Handling of food grains: the Food and Drug Administration's grain sanitation program. Washington, 1965. 11 p. (Its Publication No. 29) SB190.A5
Chiefly on storage pest control.
- 5688 WINKS, R. G., and BAILEY, S. W. Treatment and storage of export wheat in Australia. *Trop. Stored Prod. Inform.* 11:431-438. 1965. 421 T752
Insect control with chemicals.

APICULTURE AND APIS MELLIFERA

- 5689 ALBER, M. Honey bees and agriculture. (It) *Apicolt. Ital.* 33(6):110-114. June 1966. 424.8 Ap372
History.
- 5690 ALEKSEYENKO, F. M. Acarine disease of bees in the Ukraine and methods for controlling it. (Rus) *Veterynariya* 1:107-112. 1964. Not in Libr.
Treatment.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 16:24. Aug. 1965. Film S-205
- 5691 AMREIN, A. From the annual reports of the Sections. (Ge) *Schweiz. Bienen-Zeitung* (n.s.) 89(7):300-309. July 1966. 424.8 Sch9
Of the Verein Deutschschweizerischer Bienenfreunde.
- 5692 ANDER, C. Transferring method. (Sw) *Bitidningen* 65(7/8):241. July/Aug. 1966. 424.8 B54
- 5693 ARBEITSGEMEINSCHAFT DER INSTITUTE FÜR BIENENFORSCHUNG, SAARBRÜCKEN, 1965. Meeting held at the Zoological Institute of the University. (Ge) *Z. Bienenforschung* 8(6):274-280. July 1966. 424.8 23
Abstracts of papers; edited by J. Evenius.
- 5694 BAHRMANN, R. Anomaly in the segmentation of the honey bee (*Apis mellifica* L.). (Ge) *Ann. Abeille* 9(1):67-70. 1966. 424.9 F842
English summary.
In a worker bee.
- 5695 BEE RESEARCH ASSOCIATION. Bee research directory, a world guide to bee research workers and institutions, edited by E. Crane. London, 1966. 142 p. Bee Club. SF525.B4
Supersedes its World list of bee research workers.
- 5696 BERNER, U. Ludwig Armbruster and the history of beekeeping. (Ge) *Deut. Bienenwirtsch.* 17(8):213-216. 1966. 424.8 D489
- 5697 BERTHELOT, M. "L'Insecte" by Michelet. (Fr) *Gaz. Apic.* 67(709):128-137. June 1966. 424.8 G25
Preface to Michelet's book.
- 5698 BOITOS, Z. Honey bee activity in alfalfa (*Medicago sativa* L.) pollination in Hungary. *Acta Agron. [Budapest]* 15(1/2):215-221. Ref. 1966. 19 Ac8
- 5699 CAILLAS, A. The dietetic and therapeutic value of different pollens. (Fr) *Gaz. Apic.* 67(709): 122-123, 137; (710):146-147, 163. June-July 1966. 424.8 G25

- 5700 DEREVICI, A., POPESCO, A., and POPESCO, N. New contributions to the study of the biological properties of propolis. (Fr) Ann. Abeille 9(1):47-54. 1966. 424.9 F842 English summary.
- 5701 DEUTSCHER IMKERBUND. Report of activity for 1965/66; submitted at the general meeting. Aug. 26-27, 1966 in Freiburg. (Ge) Deut. Bienenwirtsch. 17(7):186-202. July 1966. 424.8 D489
- 5702 DREHER, K. Armbruster and breeding. (Ge) Deut. Bienenwirtsch. 17(8):216-218. 1966. 424.8 D489
- 5703 FADLALLAH, S. Apiculture in Lebanon. (Fr) Gaz. Apic. 67(710):155,158. July 1966. 424.8 G25
- 5704 FAHR, W. The trough hive "T-120", a modern asset. (Ge) Deut. Bienenwirtsch. 17(3):59-64. Mar. 1966. 424.8 D489
- 5705 FIGUERAS PRATS, J. Exclusively apicultural periodicals which have existed in Spain. (Sp) Cult. Mod. 49(6):226. June 1966. 15 C89
- 5706 FISCHER, G. The spring harvest 1966. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(7):309-313. July 1966. 424.8 Sch9
- 5707 FRESNAYE, J. A biometric study of some morphological characteristics of the French black bee (*Apis mellifica mellifica*). (Fr) Ann. Abeille 8(4):271-283. 1965. 424.9 F842 English summary.
- 5708 FYG, W. A contribution to the study of larval organs of touch of the honey bee (*Apis mellifica* L.). (Ge) Schweiz. Entomol. Ges. Mitt. 38(3/4):183-192. Ref. Mar. 15, 1966. 420 Sw6
- 5709 FYG, W. On the structure and function of the valvula vaginalis of the queen honey bee (*Apis mellifica* L.). (Ge) Z. Bienenforschung 8(8):256-266. Ref. July 1966. 424.8 Z3 English summary.
- 5710 GIAVARINI, I. On the races of *Acarapis woodi* Ren. Arch. Zool. Ital. 29:1-24. 1941. Bee Cul. Br. Libr. Transl.
- 5711 GIAVARINI, I. Report on the sanitary conditions of Italian apiculture. (It) Apicolt. Ital. 33(7):137-141. July 1966. 424.8 Ap372 Diseases.
- 5712 GILLARD, A., and LAERE, O. VAN. The construction of an observation hive with "perspex." 3 p. Transl. 14454 Translation from Revue de l'Agriculture 10: 231-236. Feb. 1957.
- 5713 GIORDANI, G. Diseases of adult bees: acariosis. In Giordani, G. and Vecchi, M. A., Nozione pratiche sulle malattie delle api, p. 79-108. 1960. Bee Cul. Br. Libr. Transl.
- 5714 GIORDANI, G. A few considerations about the chemical control of acarine disease in Italy. Bulletin Apicole 3(1):29-36. 1960. Bee Cul. Br. Libr. Transl.
- 5715 GIORDANI, G. Laboratory research on *Acarapis woodi* Rennie, agent of acariosis of bees (*Apis mellifica* L.). L'Apicoltore d'Italia 39 (1):4-7; (2):27-30. 1962. Bee Cul. Br. Libr. Transl.
- 5716 GODYATSKII, S. S. Swarming and foulbrood. (Rus) Pchelovodstvo 6:11-12. June 1966. 424.8 P285
- 5717 GREDIG, R. Continuation of the extension course for apicultural advisors. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(7):319-322. July 1966. 424.8 Sch9
- 5718 HAGEDORN, H. H. The effect of aging on pollen use in pollen supplements for the honey bee (*Apis mellifica* Linn.). Madison, Univ. Wis., 1966. 88 p. Bee Cul. QK658.H3 Thesis (M.S.)—Madison, Wisconsin.
- 5719 HALVORSEN, J. European foulbrood. Tidsskrift for Biavl 97:176-180. 1963. Bee Cul. Br. Libr. Transl.
- 5720 HAMMER, O. Experiences in the control of American foulbrood in Denmark. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(8):362-366. Aug. 1966. 424.8 Sch9
- 5721 HAMMER, O. The Government Bee Research Service [Statens Biavliforsog] during 25 years. (Da) Tidsskr. Biavl 100(6):92-93. June 20, 1966. 424.8 T43
- 5722 HARP, E. R. A simplified pollen trap for use on colonies of honey bees. U. S. Agr. Res. Serv. ARS-33-111, 4 p. May 1966. A420 R31 Wisconsin Agricultural Experiment Station, cooperating. Wisconsin.
- 5723 HERAN, H. Perception and regulation of the characteristic speed of flight in *Apis mellifica* L. Ztschr. f. Vergl. Physiol. 42:103-163. 1959. Bee Cul. Br. Libr. Transl.
- 5724 HOFFMANN, I. African bees in South America. (Ge) Deut. Bienenwirtsch. 17(7):173-176, map. Ref. July 1966. 424.8 D489 *Apis mellifera adansonii*.
- 5725 HOFFMANN, I. Do drones of *Apis mellifera* L. really feed other bees or are they merely discharging food substances? (Ge) Z. Bienenforschung 8(8):249-255. July 1966. 424.8 Z3 English summary. Worker bees studied with dyed food.
- 5726 HUOTARI, K. Apiculture in Finland. (Da) Tidsskr. Biavl 100(8):131-132. Aug. 20, 1966. 424.8 T43
- 5727 HYREFELT, A. New aspects of the Nosema problem. (Sw) Bitidningen 65(7/8):238-239. July/Aug. 1966. 424.8 B54 Prevention of Nosema disease in migratory apiculture.
- 5728 JAYCOX, E. R. Pesticides and honey bees. Ill. Univ. Ext. Circ. 940, 6 p.-folder. Aug. 1966. 275.29 IL62C
- 5729 JOHNSON, K. Some thoughts on bee breeding. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(3):105-107. Mar. 1966. 424.8 Sch9
- 5730 JOHNSON, D. L., and WENNER, A. M. A relationship between conditioning and communication in honey bees. Anim. Behav. 14(2/3):261-265. Apr./July 1966. 410 B77
- 5731 KOBEL, F. Postscript to the article by Mr. Kyrre Johnsen. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(3):107-109. Mar. 1966. 424.8 Sch9 On bee breeding.
- 5732 KORNELIUSSEN, S. Nuclei and formation of bee colonies. (No) Biroteknen 82(6):117-118. June 1966. 424.8 B53
- 5733 KRUGER, S. Objectives and means in the breeding work with our bees. (Da) Tidsskr. Biavl 100(9):143-145. Sept. 20, 1966. 424.8 T43
- 5734 LAERE, O. VAN. The effect of several factors on the brood-nest development of the bee (*Apis mellifica* L.). 11 p. Ref. Transl. 16161 Translation from Annales de l'Abeille 8(4):285-297. 1965.
- 5735 LAERE, O. VAN. The influence of some factors on brood nest development of the bee (*Apis mellifica* L.). (Fr) Ann. Abeille 8(4):285-297. Ref. 1965. 424.9 F842 English summary. Includes temperature, humidity, foraging behavior, honey plants, and capacity of the colony.
- 5736 LA ROSA, S. Bees and agricultural production. (It) Agr. Napoletana 33(1/2):26-33. Jan./Feb. 1966. 16 Ag8268 Pollinators.
- 5737 LARSEN, R. P., and others. The fruit and vegetable industries. Bees and pollination: project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 49, 33 p. June 1966. 284.9 M53
- M. Kelsey, P. Wooley, G. McManus, C. Nicklow, J. Downes, S. Ries, S. Honma, R. Lucas, W. S. Greig, D. Ricks, P. Larsen, C. Bedford, and E. C. Martin, joint authors. Published jointly with Michigan State University, Cooperative Extension Service.
- 5738 LAVIE, P., FRESNAYE, J., and VAGO, C. Effect of a dense nuclear virus disease on larvae of *Galleria mellonella* in hives. (Fr) Ann. Abeille 8(4):321-323. 1965. 424.9 F842 English summary.
- 5739 LEHEL, F. Protection of nature—plant protection. (Hu) Magyar Mezőgazdaság 21(31):14. Aug. 3, 1966. 19 A277 On the beneficial pollination activities of bees.
- 5740 LELOUP, M. J. New victims of the assassin insecticides: the bees. (Fr) Gaz. Apic. 67(710):156-158. July 1966. 424.8 G25

- 5741 LEUKEN, A. T. VAN. Care of our bee colonies in connection with wintering. (Du) Bijenteelt 2(7/8):99-100. July/Aug. 1966. SF521.B5
- 5742 LONCAREVIC, S. The role of *Apis mellifera* in the pollination of field crops. (Se) Biljna Zastita 10(4):83-88. (Cont.) Apr. 1966. 464.8 B49
- 5743 LUCAS, H. Examples of honeycombs more than 7,000 years old. (Ge) Deut. Bienenwirtsch. 17(8):219-220. 1966. 424.8 D489
Paintings in prehistoric ruins of Turkey.
- 5744 MARKL, H. Peripheral nervous system and musculature in the thorax of workers of *Apis mellifica* L., *Formica polyctena* Foerster, and *Vespa vulgaris* L., and the basic design of the insect thorax innervation. (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 83(2):107-184. Ref. 1966. 410 Z751
- 5745 MARSHENKULOV, Z. M. The possibility of raising queen bees in families with queens and the so-called "queen substance." (Rus) Kardinio-Balkarsk. Un-t. Ser. Khim.-Biol. Uch. Zap. 20:161-165. 1964. Not in Libr.
Apis mellifera.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:23. Apr. 1965.
Film S-205
- 5746 MARZAHN, L. Breeding and care are the foundations for success. (Ge) Deut. Bienenwirtsch. 17(3):69-72. Mar. 1966. 424.8 D489
- 5747 MATTHENIUS, J. C. American foul brood and its treatment. N. J. Dep. Agr. Circ. 435(408, rev.), 11 p. Sept. 1965. 2 N46C
- 5748 MAURIZIO, A. Breakdown of sugars by inverting enzymes in the pharyngeal glands and the midgut of the honeybee "*Apis mellifica*" L. T. Summer bees of the races from the Sahara, Morocco, Portugal, and Cyprus. (Ge) Ann. Abeille 8(3):187-203. 1965. 424.9 F842
English summary.
- 5749 MEIER, R. Wintering. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(7):322-324. July 1966. 424.8 Sch9
- 5750 MORGENTHAUER, O. Harmful and innocuous species of the bee acarid Acarapis, and contribution to the solution of the problem of species. Rivista di Apicoltura 13(4):121-136. 1934. Bee Cul. Br. Libr. Transl.
- 5751 NEESE, V. On the significance of eye bristles in the regulation of flight speed in bees. (Ge) Z. Vergleichende Physiol. 52(2):149-154. Ref. 1966. 444.8 Z3
English summary.
Honey bees.
- 5752 NILSSON, P. Is disease and disorder necessary in an apiary? (Da) Tidsskr. Biavl 100(9):141. Sept. 20, 1966. 424.8 T43
- 5753 NORGES BIRKTERLAG. Annual report of the Norwegian Beekeeper's Association. (No) Biokteren 82(7):134-138. July 1966. 424.8 B53
- 5754 NOWAKOWSKI, J. Nectar yield of winter rape in Wroclaw Province. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:185-192. 1964, pub. 1965. 49.9 B75
English summary.
Collected by bees.
- 5755 OROSI, L. Experiments on queen rearing. 13 p. Transl. 15668
Translation from Allattenyeszt. Kutatointez. Evk. 1950:203-226. 1952.
- 5756 PAIN, J. A new design for an experimental cage for keeping bees in captivity. (Fr) Ann. Abeille 9(1):71-76. 1966. 424.9 F842
English summary.
- 5757 PIEL-DESIRUSSEAU, J. Organizing the work of honey extraction. (Fr) Ann. Abeille 8(3):205-263. 1965. 424.9 F842
Includes equipment and labor.
- 5758 RIHAR, J. Utilization of bees in the pollination of fruit stands. (Sl) Soc. Kmetijstvo Godzdarstvo 17(6):135-136. Apr. 25, 1966. 21.5 S014
- 5759 ROUSSEAU, M., and TABARLY, O. The use of antibiotics in beekeeping: their action in the hive, their presence in honey. Bulletin Apicole 5(2):155-175. 1962.
Bee Cul. Br. Libr. Transl.
- 5760 ROUSSY, L. At Bex-les-Bains a magnificent example of rationalization in apiculture: the apiary of Adrien Cherix. (Fr) Gaz. Apic. 67(710):148-154. July 1966. 424.8 G25
Switzerland.
- 5761 ROUSSY, L. The soup tureen feeder of the Countess de Gasparin. (Fr) Gaz. Apic. 67(709):124-125. June 1966. 424.8 G25
A nineteenth century model of porcelain.
- 5762 RUTTNER, F. The task of beekeepers in the frame of beekeeping. (Ge) Deut. Bienenwirtsch. 17(8):155-158. June 1966. 424.8 D489
Colony management and breeding.
- 5763 RUTTNER, F. L. Armbruster and the confirmation of multiple matings of the queen bee. (Ge) Deut. Bienenwirtsch. 17(8):223-224. 1966. 424.8 D489
- 5764 SACCHI, R. Report on the activity concerning the recognition of royal jelly. (It) Apicolt. Ital. 33(7):141-142. July 1966. 424.8 Ap372
- 5765 SACHS, H. G. Utopia or necessary corrections? Deut. Bienenwirtsch. 17(8):225-228. 1966. 424.8 D489
Peculiarities of colony management and equipment in Germany.
- 5766 SADIYRIN, M. M. Astrographic analysis in regional studies of honey-bearing flora and apiculture in Siberia. (Rus) Vses. Bot. Obshch. Iomsk. Otd. Izv. 5:133-139. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:22. July 1965.
Film S-205
- 5767 SANDULEAC, E. The anthophilous insects of Rumania. (Fr) Ann. Abeille 9(1):55-65. Ref. 1966. 424.9 F842
English summary.
Includes *Apis mellifera* and other bees as pollinators.
- 5768 SCHAUL, N. Bienenzuchterorganisation und Honigverarbeitung in Norwegen [Organization of beekeepers and processing of honey in Norway]. Luxemb. Bienen-Zg. 80:16-21. Mar. 1966. Bee Cul. 424.8 L97
- 5769 SEDIVY, J., and others. Evaluation of activity of honeybee colonies moved to a lucerne seed field. Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):1-9. Ref. Jan. 20, 1966. 420 C33
L. Taimr, V. Vesely, O. Haragim, J. Dockal and J. Balcar, joint authors.
Apis mellifera as pollinators and behavior.
- 5770 SMITH, F. G. Beekeeping as a forest industry. East. Afr. Agr. Forest. J. 31(3):350-355. Jan. 1966. 24 Ea74
Tanganyika.
- 5771 STECHE, W. Festival at the completion of the building for honey evaluation of the South German Beekeepers Cooperative, Inc. [Süddeutsche Imkergenossenschaft GmbH] in Reichenbach/F., Dec. 17, 1965. (Ge) Deut. Bienenwirtsch. 17(3):65-68. Mar. 1966. 424.8 D489
- 5772 SVOBODA, J. Apiculture in Czechoslovakia. (Fr) Za Sotsialist. Sel'skokhoz. Nauk. 14(4):305-320. 1965. 64.8 Z1
English summary.
- 5773 TOMIOKA, T. Disease of bees, European foulbrood. (Por) Biologico 32(4):61-64. Apr. 1966. 442.8 B529
- 5774 VANKOVA, K. Pathogenicity of different strains of the *Bacillus thuringiensis* group for *Galleria mellonella* L. Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):10-16. Ref. Jan. 20, 1966. 420 C33
Beehive pest.
- 5775 WIPFLI, E. What does the Executive Committee expect of the Section presidents? (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(7):313-319. (Concl.) July 1966. 424.8 Sch9
Verein Deutschschweizerischer Bienenfreunde.
- 5776 WITHERELL, P. C. Survival of drones following eversion. Ann. Abeille 8(4):317-320. Ref. 1965. 424.9 F842
- 5777 ZAKHOV, T. A. Spraying of fruit trees during full blossoming. (Bu) Priroda [Sofia] 14(5):102-105. Sept./Oct. 1965. 410 P934
Fungicides and their effect on pollinating bees.

SERICULTURE AND THE SILKWORM

- 5778 CHIANG, C. L. Damage inflicted by late vernal frosts to the nutrition of spring-reared larvae of the silkworm *Bombyx mori* L. (Ch) Ts'an Yeh K'o Hsueh 2(3):171-175, 1964. Not in Libr.
Cold damage to *Morus*.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:6, Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 5779 CHOWDHURY, S. N. Cytogenetics of silkworm *Bombyx mori* L. Indian J. Sericult. 4(4,i.e.2): 11-21. Ref. July/Dec. 1965. 425.8 In2
- 5780 GSHENZON, S. M. Virus transduction of an hereditary trait in the silkworm [*Bombyx mori*]. (Rus) Vop. Virusol. 2:172-176. Mar./Apr. 1965. 448.8 P942
English summary.
Polyhedrosis virus.
- 5781 HOFFMEISTER, H., and GRUTZMACHER, H. F. The chemistry of ecdysterone. (Ge) Tetrahedron Lett. 33:4017-4023, Aug. 1966. 385 T29
Obtained from pupae of *Bombyx mori*.
- 5782 KARPOV, A. E. Investigation of the effect of cobalt and nickel salts on the frequency of polyhedroses in the silkworm under industrial conditions. (Uk) Mikrobiol. Zhur. 26(6):54-58. Ref. 1964. 448.3 K54
English summary.
Bombyx mori.
- 5783 LUCAS, F. Cystine content of silk fibroin (*Bombyx mori*). Nature [London] 210(5039): 952-953. Ref. May 28, 1966. 472 N21
- 5784 MAKAROV, P. V. Cytochemical investigation of silk glands in *Antheraea pernyi*. (Rus) Tsitologiya 7(5):616-621. Ref. Sept./Oct. 1965. 442.8 T78
English summary.
- 5785 MARKOSYAN, ZH., and MARKOSYAN, A. Pesticides and the silkworm *Bombyx mori*. (Rus) Shek 4:33-34. 1964. Not in Libr.
Toxicity of insecticides used on *Morus*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:28. Aug. 1965. Film S-205
- 5786 MILOSERDOVA, V. D. A study of infectivity of nucleic acids in insect tissue cultures: (Tests with silkworm polyhedrosis virus containing deoxyribonucleic acid). (Rus) Vop. Virusol. 4:417-420. July/Aug. 1965. 448.8 P942
English summary.
- 5787 MIZUTA, M. A five year plan for increased cocoon production. Silk Dig. 236:1-4. Sept. 1966. 304.8 Si33
Japan.
- 5788 MOLNAR, I., and GUBICZA, A. New data on the effect of gamma rays on the "Varo" race of *Bombyx mori* L. (Hu) Magyar Textiltech. 18 (8):354-356. Aug. 1966. 304.8 M27
Effects on the eggs.
- 5789 NARAYANAN, E. S., and CHAWLA, S. S. Effect of frequency of feeding on the growth and development in two races of silkworm; local Mysore and Shungetsu Hoshio. Indian J. Sericult. 4(4,i.e.2):1-3. July/Dec. 1965. 425.8 In2
- 5790 OSANAI, M. Flavoprotein in the egg of the silkworm *Bombyx mori*. Nature [London] 210 (5043):1360-1362. June 25, 1966. 472 N21
- 5791 RIPETSKII, R. T. Influence of temperature on variation of forms of nuclear polyhedra in silkworm (*Bombyx mori* L.). (Rus) Vop. Virusol. 4:397-402. July/Aug. 1965. 448.8 P942
English summary.
- 5792 SERENA, G., and PERIN, G. Mechanization in silkworm culture. (It) Prog. Agr. [Bologna] 12 (6):593-612. June 1966. 58.8 P94
- 5793 SHVETZOVA, O. I., and ZURABOVA, E. R. Pigment producing variants of the *Bacillus thuringiensis* Berliner isolated from the silk worm [*Bombyx mori*]. (Rus) Mikrobiologiya 35(4):726-731. July/Aug. 1966. 448.3 M582
English summary.
- 5794 SIT'KO, P. O. Relationship between properties of polyhybrids and hybridization methods. (Rus) Shek 4:13-16. 1964. Not in Libr.
Bombyx mori.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:28. Aug. 1965. Film S-205
- 5795 SUN, C. Y., WANG, K. J., and HSU, Y. Development of mould on eggs of the silkworm, *Bombyx mori* L., and occurrence of greyish-white eggs with dead embryos. (Ch) Ts'an Yeh K'o Hsueh 2(3):177-182. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:10, Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 5796 WANG, K. Y., CH'EN, Y. T., and TS'AO, I. S. Infection of silkworm with various forms of polyhedrosis and flacherie. (Ch) Ts'an Yeh K'o Hsueh 2(4):299-304. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:37-38, Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 5797 WU, J. Laboratory work on the heredity of silkworms. (Ch) Shengwuxue Tongbao 1:32-37. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:9, Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 5798 ADDENBROOKE'S HOSPITAL, DIETETIC DEPT. Nutrition of the elderly—Cambridge-shire. Nutrition 20(3):115-117. Autumn 1966. 389.8 N959
- 5799 BARTON, J. A. Cool summer meals. Va. Polytech. Inst. Ext. Leaflet 290, 2 p. July 1966. 275.29 V81L
- 5800 BISHOP, C., DAVIS, B., and HARPER, L. J. Relationships of certain factors to homemakers' knowledge about vitamin C, with special emphasis on the influence of informative television programs and pamphlets. Va. Agr. Exp. Sta. Bull. 572, 39 p. Aug. 1966. 100 V81S
- 5801 BROWN, H. B., and FARRAND, M. E. Pitfalls in constructing a fat-controlled diet. Amer. Diet. Ass. J. 49(4):303-308. Ref. Oct. 1966. 389.8 Am34
- 5802 CUNNINGHAM, B. M. Light as a souffle. Agr. Northern Ireland 41(4):123-126. Aug. 1966. 256.13 Ag82M
Cookery and recipes.
- 5803 EGAN, M. C. Opportunities for nutritionists and dietitians in rehabilitation programs. Amer. Diet. Ass. J. 49(4):295-298. Ref. Oct. 1966. 389.8 Am34
- 5804 EKPECHI, O. L., DIMITRIADOU, A., and FRASER, R. Goitrogenic activity of cassava (a staple Nigerian food). Nature [London] 210 (5041):1137-1138. Ref. July 11, 1966. 472 N21
- 5805 GIBBS, J. C. Nutritious holiday meals. Ariz. Univ. Ext. Circ. 266, 32 p. July 1966. 275.29 Ar42
- 5806 GREAVES, J. P., and TAN, J. The amino acid pattern of the British diet. Nutrition 20(3):112-115. Autumn 1966. 389.8 N959
- 5807 GREENLEE, R. School lunch program helps children to learn the ABCs. Brazil. Bus. 46(6):32-34. June 1966. 286.8 B732
- 5808 HERTING, D. C. Perspectives in nutrition: perspectives on vitamin E. Amer. J. Clin. Nutr. 19(3):210-218. Ref., p. 216-218. Sept. 1966. 389.8 J824
Literature review.
- 5809 HOCK, A. "School milk feeding"—an over-hauled and untimely name. (Ge) Deut. Molk.-Zeitung 87(36):1579-1580. Sept. 8, 1966. 44.8 Su2
- 5810 HOWELER-COY, J. F. An account of food and drink in Tasmania. 1800-1900. Roy. Soc. Tasmania. Pap. Proc. 100:81-88. Ref. 1966. 514 H65
- 5811 INSTITUTO DE NUTRICION DE CENTRO AMERICA Y PANAMA. Informe anual, lo de enero-31 de diciembre de 1965 [Annual report, January 1-December 31, 1965]. Guatemala, C. A., 1966. various paging. 389.9 In72
17th reunion of the Council.
Library has also report for 1964/65, and the 16th reunion of the Council. various paging.
- 5812 KEVANY, J. P. Nutrition problems of the preschool child in Latin America. (Sp) Ofic. Sanit. Panamer. Bol. 60(4):282-292. Apr. 1966. 449.9 P192B
English summary.
- 5813 KUMMEROW, F. A. A sound basis for our food choices; the ultimate goal of research and student training at the Burnside Research Laboratory. Ill. Res. 8(3):8-9. Summer 1966. 100 IL64
Nutrition and diet.
- 5814 LATHAM, M. Human nutrition in tropical Africa; a textbook for health workers with special reference to community health problems in East Africa. Rome, Food and Agriculture Organization of the United Nations, 1965. 268 p. Ref. TX360.A3L3
- 5815 LEE, P. R. Nutrition and world health. Nutr. News [Chicago] 29(3):9. Oct. 1966. 389.8 N957
- 5816 LIENER, I. E. Organic and biological chemistry. New York, Ronald Press, 1966. 466 p. Ref. QP514.L52
Partial contents: Ch. 19, The essentials of nutrition.
- 5817 MEHRlich, F. P., and SIU, R. G. H. Military and space operations. U. S. D. A. Yearbook Agr. 1966:191-206. 1 Ag84Y
Nutrition.
- 5818 OREGON, STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. Using canned chopped meat. Oreg. State Univ. Ext. FS 4, rev., 2 p. June 1966. 275.29 Or36
Cookery.
- 5819 SMITH, S. R. "To safeguard the health and well-being of the Nation's children," the National School Lunch Act was passed 20 years ago. This year 19 million children will eat nutritious school lunches—but there is still much to do. Agr. Marketing [Washington], Sept. 1966: 2. A280.38 Ag8
- 5820 STEWART, T. C. Barbecuing chicken. Clemson Univ. Ext. Cir. rev., 12 p. May 1966. 275.29 So8E
- 5821 SYMPOSIUM ON FOOD PREJUDICES AND TABOOS. The Jewish dietary code, by S. I. Korff. Food Technol. 20(7):76-78. (Concl.) July 1966. 389.8 F7398
- 5822 TANGL, H. The changes occurred in the nutrition of the Hungarian people during the last 20 years. (Hu) Elovilag 10(6):323-330. 1965. 410 EL6
- 5823 TURNER, E., and VICKERY, K. O. A. The wholemeal bread family; a pilot study. Vitalst.—Zivilisationskrankheiten 11(3):99-102. Ref. June 1966. 389.8 C836
In relation to dental health.
- 5824 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Peanut and peanut butter recipes. U. S. D. A. Home Gard. Bull. 36, 20 p. 1966. 1 Ag84Hg
- 5825 WISE, E. M., PURDIE, M., and RICHMOND, W. L. Make mine pork please! Miss. State Univ. Ext. Publ. 515, 8 p.-folder. Dec. 1965. 275.29 M68Ext
Chiefly cookery.

FOOD HABITS

- 5826 HELGESON, J. Basic shifts in consumer eating habits. Nat. Inst. Anim. Agr. Proc., 15th Conf.:67-68. 1965. 49.9 N219
- 5827 MCELROY, J., and TAYLOR, B. Adolescents' values in selection of food. J. Home Econ. 58 (8):651-654. Ref. Oct. 1966. 321.8 J82
- 5828 MOORE, M. E., and POND, J. Dessert choices of southern urban families. J. Home Econ. 58(8):659-661. Oct. 1966. 321.8 J82

NUTRITIVE AND VITAMIN CONTENT

- 5829 FRAHM, H., and LEMBKE, A. Milk and dairy products in human nutrition. (Ge) Milchwissenschaft 21(8):504-509. Ref. Aug. 1966. 44.8 M5933
English summary.
Nutritive value.
- 5830 HALL, O., and ANDERSON, O. Studies on enrichment of bread with leaf protein concentrate. (Sw) Sveriges Utasdesdegen. Tidskr. 76(2/3):171-176. 1966. 61.9 Sv23
English summary.
- 5831 HOBSON, A. About nutrition; the value of bread and flour in the diet. Home Econ. Dom. Subj. Rev. 12(10):35. Oct. 1966. 321.8 H759
- 5832 HOBSON, A. About nutrition—the value of fats and oils. Home Econ. Dom. Subj. Rev. 12(9):45-46. Sept. 1966. 321.8 H759
- 5833 KAKADE, M. L., and EVANS, R. J. Effect of soaking and germinating on the nutritive value of navy beans. J. Food Sci. 31(5):781-783. Ref. Sept., Oct. 1966. 389.8 F7322

- 5834 KISZA, J., ROTKIEWICZ, W., and SURAZYN-
SKI, A. Some changes of vitamin content (A,
B₁, B₂, C and beta-carotene) in normal and
anomalous milk. (Ge) Milchwissenschaft 21
(9):547-550. Ref. Sept.1966. 44.8 M5933
English summary.
- 5835 MORIMOTO, T. Studies on free amino acids
in sponges, doughs, and baked soda crackers
and bread. J. Food Sci. 31(5):736-741. Ref.
Sept./Oct.1966. 389.8 F7322
- 5836 VENN-BROWN, U. Bread has important place
in the diet. Australasian Baker Millers' J. 69
(8):3. Aug.1966. 298.8 Au7
- 5837 YANG, T. H. Nutritional studies on rice and
sweet potato for the improvement of Formosan
diet. Final report of FG-Ta-106 project au-
thorized by Public Law 480 for the United
States Department of Agriculture. Taipei, Col-
lege of Agriculture, National Taiwan Universi-
ty, 1966. 14 p. TX558.R5Y3
Grant No.:FG-Ta-106.

FORESTRY

GENERAL

- 5839 AGNOLONI, M. Aspects of the forestry problem in Israel. (It) Riv. Agr. Subtrop. Trop. 60 (1/3):35-48. Jan./Mar.1966. 26 Ag82
- 5839 BORTER, L. Communities and community forest on the northern slope of Simplan. (Ge) Schweiz. Z. Forstwesen 117(8/9):611-636. Ref. Aug./Sept.1966. 99.8 J82
History.
- 5840 BRAATHE, P. Forestry research in Norway in the last 10 years. (No) Norsk Skogbruk 11 (7/8):237-239. Apr.1965. 99.8 N815
- 5841 BUFF, J. A critical forest travel report from Solling 160 years ago. (Ge) Forst- Holzwirt 21(14):301-303. July 23,1966. 99.8 F7724
- 5842 CAJNKO, T. Possibilities of an increase in forest production as a problem common to both producers and utilizers of wood. (Sl) Gozdarski Vest. 24(5/6):129-136. 1966. 99.8 G74
- 5843 DEANKOVIC, T. Forestry of Algeria. (Sl) Gozdarski Vest. 23(7/8):216-230. 1965. 99.8 G74
French summary.
- 5844 DORSAZ, H., and others. The forestry of Valais; situation in the forest districts, I-IV. (Ge) Schweiz. Z. Forstwesen 117(8/9):519-555, map. Aug./Sept.1966. 99.8 J82
H. Donni, M. Peter, A. Bodenmann, and H. Andenmatten, joint authors.
- 5845 FROLIK, J. The role of forestry and lumber industry in the national economy of Czechoslovakia. (Cz) Drevo 21(1):3-4. Jan.1966. 99.82 D81
- 5846 GEORGIA forest facts, 1966. Atlanta, 1966. 15 p. 99.8 G293
- 5847 GRANDJOT, F. W. Forestry at the balcony of the black continent; forest impressions during a trip to Tunisia. 12 p. Transl. 15538
Translation from Programme Elargi d'Assistance Technique, FAO No. 1484. L'amelioration des Eucalyptus rapport au gouvernement de la Tunisie. 1962.
- 5848 HEJE, K. K., and NYGAARD, J. Norsk skogalmakk [Norwegian forestry almanac], 1966. Oslo, 1966. 332 p. 99.8 Sk58
- 5849 HELFMAN, R. S. A MAP [Macro Assembly Program] fixed-point, packing-unpacking routine for the IBM 7094 computer. U. S. Forest Serv. Res. Note PSW-103, 3 p. 1966. A99.9 F7652
In forestry.
- 5850 KERNAN, H. The forest riddle of New York. Amer. Forests 72(9):21. Sept.1966. 99.8 F762
About the New York Forest Owners Association.
- 5851 KNEZ, A. Forestry and the economic reform. (Sl) Gozdarski Vest. 23(7/8):206-216. 1965. 99.8 G74
- 5852 KNEZ, J. On some problems of the economic reform. (Sl) Les [Ljubljana] 18(1/3):1-7. 1966. 99.8 L564
Economic aspects of forestry.
- 5853 KROG, P. Forestry and the national income. (No) Norsk Skogbruk 11(7/8):273. Apr.1965. 99.8 N815
- 5854 MAUNDER, E. R., and FRY, A. Samuel Trask Dana, the early years; excerpts from oral history interviews. Forest. Hist. 10(2):2-13. July 1966. 99.8 F7698
- 5855 MULLER-USING, B., and LINDEN, P. The recreative forest in Germany; account of a journey. (Fr) Rev. Forest. Franc. 5:335-352, map. May 1966. 99.8 R329
Visiting the nature preserves, the suburban forest of Frankfurt, and the forest youth camp in Stadtholendorf.
- 5856 MUZZI, S. Opening of the fourteenth year of the Italian Academy of Forestry Science [Accademia Italiana di Scienze Forestali]. (It) Ital. Forest. Mont. 21(2):49-85. Mar./Apr.1966. 99.8 It12
- 5857 NORSKE SKOGSELSKAP. Arsberetning [Annual report of the Norwegian Forestry Society], 1965. Oslo, 1966. 36 p. 99.9 N813
- 5858 NOVAK, V., and DUSEJOVSKY, J. Forestry and wood-using industries of Canada. (Cz) Drevo 21(7):239-242. July 1966. 99.82 D81
English summary, p.2 of supplement.
- 5859 OSTFOLD SKOGSELSKAP. Beretning [Report of Ostfold Forestry Society]. Halden, Sem, 1966. 45 p. 99.9 Os73B
- 5860 RAKOSNIK, H. The forest museum at Ohrada. Forest Hist. 10(2):14-18. July 1966. 99.8 F7698
- 5861 RITTER, H. Present problems of forestry. (Ge) (Excerpts) Forst- Holzwirt 21(12):270-272. June 23,1966. 99.8 F7724
- 5862 ROBAK, H. Vestlandets Førlste Forsøksstasjon gjennom 50 år [The Forest Research Institute of West-Norway through 50 years]. Norway. Vestlandets Forstl. Forsøkssta. Medd. 41, 143 p. 1966. 99.9 N832
- 5863 SVERIGES KRONOJAGAREFORBUND. Arsbook [Yearbook of Sweden's Foresters Association], 1965. Stockholm, 1966. 111 p. 99.9 Sv2
- 5864 TAIWAN, LIN WU CHU. Forestry of Taiwan. Taipei, 1966. 59 p., map. SD226.T3A32
- 5865 TOSOVIC, N. Outlook for the development of forestry of FR Serbia up to 1970. (Se) Sumarstvo 19(3/5):59-62. Mar./May 1966. 99.8 Su63
- 5866 WECK, J. Forestry, forestry research and teaching in Brazilia. (Ge) Forstarchiv 37(8):166-187. Aug.1966. 99.8 F7723
- 5867 WENGER, P. A., and others. The forestry in Valais; situation in the forest districts, V-IX. (Fr) Schweiz. Z. Forstwesen 117(8/9):556-581. Aug./Sept.1966. 99.8 J82
T. Kuonen, M. May, R. Cardis, and J. de Kalbermatten, joint authors.
- 5868 ZUMER, L. International cooperation in forestry. (Sl) Les [Ljubljana] 18(5/7):70-76. 1966. 99.8 L564
English summary.

EDUCATION

- 5869 DICKINSON, F. E. Research opportunities in Western Schools. Symp. Density Key Wood Quality. Proc. 1965:184-185. asD430.59
- 5870 FINLAYSON, W. Lower forestry education. East Afr. Agr. Forest. J. 31(3):356-359. Jan. 1965. 24 Ea74
- 5871 GERMETEN, F. Instruction in forestry schools. (No) Norsk Skogbruk 11(7/8):242-243. Apr.1965. 99.8 N815
- 5872 ROBERT, J. F. Abrege d'economie forestiere, a l'usage des ecoles d'agriculture [Outline of forest economy for the use of agricultural schools]. Lausanne, Payot, 1965. 112 p. Ref. SD391.R6
Published by the Association Suisse des Ingenieurs Agronomes.
- 5873 SLOVNIK, M. Perspectives for the development of education of technical personnel for forestry in Slovenia. (Sl) Les [Ljubljana] 18 (1/3):36-39. 1966. 99.8 L564
- 5874 SLOVNIK, M. The prospective development of forest education in Slovenia. (Sl) Les [Ljubljana] 17(9/10):154-157. 1965. 99.8 L564
English summary, p.2 of supplement.
- 5875 STRAND, L. The higher forestry education in the last 10 years—the road ahead. (No) Norsk Skogbruk 11(7/8):241-242. Apr.1965. 99.8 N815
- 5876 WESTVELD, R. H. New curriculum, research program reviews highlight 1964-65. Mo. Log 18:8-10. 1965. 99.8 M696

FOREST RESOURCES

- 5877 AKADEMIYA NAUK SSSR. SIBIRSKOE OTDELNIE. INSTITUT LESA I DREVESINY. Lesa SSER, v. 2; podzona yuzhnoi taigi i smeshnykh lesov [Forests of the USSR, v. 2; subzone of the southern taiga and the mixed forests]. Moskva, Nauka, 1966. 471 p. Ref. SD207.L4

- 5879 BEGUE, L. The forests of Nicaragua. (Fr) Bois Forests Trop. 107:15-26, map. May/June 1966. 99.8 B632
English summary.
- 5879 CHANG, H. S., and CHANG, Y. S. Forests of the northern and central regions of the Tien Shan and their use. (Ch) Hsin-chiang Nung Yeh K'o Hsueh 9:358-364. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 73:29-30. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
- 5880 DEBALD, P. S., and GANSNER, D. A. Kentucky forests; Western Coalfield Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-9,45 p., map. Mar. 1966. A99.9 F7629Uf
Kentucky Department of Natural Resources, Division of Forestry, cooperating.
Survey.
- 5891 FOIL, R. R., and MERRIFIELD, R. G. Planted forests of Louisiana. La. Agr. Exp. Sta. Bull. 611, 48 p., map. June 1966. 100 L93
Louisiana Forestry Commission, cooperating.
Survey, including statistics.
- 5892 GANSNER, D. A., and DEBALD, P. S. Kentucky forests; Pennyroyal Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-6,46 p., map. Mar. 1966. A99.9 F7629Uf
Kentucky Department of Natural Resources, Division of Forestry, cooperating.
Survey.
- 5893 GANSNER, D. A., and DEBALD, P. S. Kentucky forests; Western Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-8,34 p., map. Mar. 1966. A99.9 F7629Uf
Kentucky Department of Natural Resources, Division of Forestry, cooperating.
Survey.
- 5894 KERNAN, H. Spain's hardy forests. Forest Farmer 25(13):9-10. Sept. 1966. 99.8 F7692
- 5895 LOPEZ S., A. Inventory of tropical forest resources. (Sp) Panagra 5(66):24-25. Apr. 1966. 8 P196
Mexico.
- 5896 OVERBEEK, J. L. F. On the importance of forestry in the IJsselmeer area. (Du) Ned. Bosbouw Tijdschr. 38(4):174-180, map. Apr. 1966. 99.8 N28
Acreage.
- 5897 PAVLOV, V. N. Characteristic features of the flood-plain forests along the Pskem River. (Rus) Bot. Zhur. [Moscow] 51(2):265-269. Ref. Feb. 1966. 451 R923
- 5898 RANDALL, C. E. The Stanislaus. II. Amer. Forests 72(9):30-32, 53-55. Sept. 1966. 99.8 F762
Stanislaus National Forest in California.
- 5899 ROUX, B. Native Swiss mountain pines [Pinus uncinata] of Mont Ventoux in the community forest of Bedoin. (Fr) Rev. Forest. Franc. 5: 328-334, map. May 1966. 99.8 R329
- 5900 VENET, J. M. Glimpses of Peru in 1965. I. The coastal area and the Andes. (Fr) Rev. Forest. Franc. 5:301-313, map. May 1966. 99.8 R329
Includes forest description.
- FOREST INFLUENCES
- 5891 ESLER, A. E. Trees and rainfall. Massey Univ. Manawatu. Sheepfarming Annu. 1965:77-79. 45.9 M388
New Zealand.
- 5892 FEKETE, I. The role of forest windbreaks in improving natural conditions on the Czechoslovakian part of the Kisalfold. (Hu) Foldrajzi Ertesito 15(2):141-151, map. Ref. 1966. 331.8 F69
German summary.
- 5893 HAAPANEN, A. The effect of silviculture on the bird fauna. (Fi) Metsataloudellinen Aikakauslehti 83(5/6):256-261. Ref. May/June 1966. 99.9 F49
- 5894 HUANG, P. H. Experience in forestation in Hui-an-hsien for water and soil conservation. (Ch) Scientia Silvae 10(3):214-220. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:3. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- 5895 LINDE, R. J. VAN DER. Forest and climate. (Du) Ned. Bosbouw Tijdschr. 38(4):156-160. Apr. 1966. 99.8 N28
- 5896 MALIK, L. K. Correlation of snow accumulation in open locality and under a forest cover. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 4:83-91, map. Ref. July/Aug. 1966. 331.9 Ak12
- 5897 RAUNER, YU. L. The heat balance of forests. 12 p. Ref. (TT 65-50033) Transl. 15555
Effect of forests on climate.
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya 1:49-59. 1960.
CFSTI: \$1.00.
- 5899 RAUNER, YU. L. Total evaporation of forest vegetation. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 3:17-29. Ref. May/June 1966. 331.9 Ak12
- 5899 SERAFIMOV, V. Distribution of snow in some stands of Scotch pine and spruce. (Bu) Gorskotopanska Nauk. 3(2):149-183. 1966. 99.8 G683
French summary.
- 5900 STOYANOV, V. Forests protect the air from pollution. (Bu) Priroda [Sofia] 14(5):105-107. Sept./Oct. 1965. 410 P934
- FOREST INJURIES AND PROTECTION
- 5901 BACKE, B. Smoke damages of forests from regional planning aspect. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73: 225-236. 1966. 99.8 M69
Includes discussion.
- 5902 BODENMULLER, L. Forest protecting structures on the Lutschberg railway. (Ge) Schweiz. Z. Forstwesen 117(8/9):590-593. Aug./Sept. 1966. 99.8 J82
- 5903 DONAUBAUER, E. Secondary damages of forest caused by industrial exhaust fumes. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:101-110. Ref. 1966. 99.8 M69
Includes discussion.
- 5904 EGGER, J. The present smoke damage situation in Austria. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:1-5. 1966. 99.8 M69
- 5905 FANTA, B. Scraping the bark of spruce trees as a protection means against injuries by wildlife. (Cz) Lesnicka Prace 45(6):258-260. 1966. 99.8 L56
- 5906 GRONBACH, G. Die Gehalte der Rinden verschiedener Baumararten an organischen Substanzen; zur Frage des Schälens durch Rotwild [The organic substance content of the bark of various types of trees; problem of peeling by red deer]. Hohenheim. Landwirt. Hochsch. Diss. 8,83 p. 1964. 105.8 H686D
Bibliography, p. 53-59.
- 5907 HUANG, P. H., and CH'EN, C. C. A study of the frost damage of Casuarina equisetifolia L. and the preventive measures. (Ch) Scientia Silvae 10(4):319-324. Oct. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:18-19. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 5908 JUNG, F. Compensation for smoke damages. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:193-200. 1966. 99.8 M69
Includes discussion.
- 5909 KISSER, J. Smoke damages of forest from the biology aspect. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:7-48. 1966. 99.8 M69
Bibliography, p. 39-46.
Includes discussion.

- 5910 KRENDELBERGER, H. Forestry policy goal setting a means of regulation in protecting smoke damages in forests. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. 73: 249-258. 1966. 99.8 M69
- 5911 NIESSLEIN, E. Endangering plot functions of forest by smoke damages. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:213-224. 1966. 99.8 M69
Includes discussion.
- 5912 OHNESORGE, B. German forest protection literature 1963/64. II. Abiotic damage; a review of the literature. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73 (4):192-204. 1966. 464.8 Z3
- 5913 PHIPPS, D. Effect of flood on Oregon nursery. Tree Planters' Notes 76:7-9. Apr.1966. 1.962 C5T71
Forest.
- 5914 POLLANSCHUTZ, J. Procedures for objective "evaluation" (measuring) of reduced growth performance of single trees and stands. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:129-191. Ref. 1966. 99.8 M69
In relation to smoke damages.
- 5915 PURRER, W. Problems of smoke damage valuation from the forest owner point of view. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:259-267. 1966. 99.8 M69
Includes discussion.
- 5916 QUERVAIN, M. DE. Report on the activity of the Confederated Institute for Snow- and Avalanche Research [Eidgenössisches Institut für Schnee- und Lawinenforschung] in 1964/65. (Ge) Schweiz. Z. Forstwesen 117(8/9):660-666. Aug./Sept.1966. 99.8 J82
- 5917 STEFAN, K. The value of air and needle analyses for smoke damage determination. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:91-99. 1966. 99.8 M69
Includes discussion.
- 5918 STEINHAUSER, F. The effect of meteorological factors on the forest smoke damage danger. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:111-127. 1966. 99.8 M69
- 5919 SYMPOSIUM, FORSTLICHE RAUCHSCHADEN IN ÖSTERREICH, VIENNA, 1965. [Vorträge, Lectures]. Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73,274 p. 1966. 99.8 M69
Forstliche Bundesversuchsanstalt, Vienna and Verein zur Förderung der Forstlichen Forschung in Österreich, cooperating.
- 5920 WALTHER, K. Storm damages in Val d'Illeiez. (Ge) Schweiz. Z. Forstwesen 117(8/9):582-589. Aug./Sept.1966. 99.8 J82
French summary.
- 5921 WENTZEL, K. F. Methods in treating forest immission damages in Germany. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. 73: 237-247. 1966. 99.8 M69
- 5922 WILLIAMS, C. B. Possible grouse damage on true firs. U. S. Forest Serv. Res. Note PNW 39.7 p. Apr.1966. A99.9 F7625U
Pacific Northwest.
- 5923 YURGENSON, E. I. Sputnik lesnoi okhrany; posobie dlya rabotnikov lesnoi okhrany i nizovogo zvena lesnykh spetsialistov [Forester's vademecum; a manual for workers in forest protection and lower echelon forestry personnel]. Ed. 2, rev. & enl. Moskva, Lesnaya Promyshlennost', 1966. 243 p. 1966. SD411.19
- 5924 FOLKMAN, W. S. "Children-with-matches" fires in the Angeles National Forest area. U. S. Forest Serv. Res. Note PSW-109,3 p. 1966. A99.9 F7652
- 5925 FOLKMAN, W. S. Modifying the communicative effectiveness of fire prevention signs. U. S. Forest Serv. Res. Note PSW-104,8 p. 1966. A99.9 F7652
California.
- 5926 JAMESON, D. A. Diurnal and seasonal fluctuations in moisture content of pinyon [*Pinus edulis*] and juniper [*Juniperus*]. U. S. Forest Serv. Res. Note RM 67,7 p. Ref. 1966. A99.9 F7632Us
From standpoint of fire control and hydrology.
- 5927 MACARTHUR, J. D. Mechanisation of forest fire detection. Pulp Pap. Mag. Can. 67(8): WR405-WR406, WR408-WR410, map. Aug.1966. 302.8 P96
- 5928 MCCAFFERY, K. R., and IRVING, F. D. Forest fires in Koochiching County, prevention and control. Minn. Agr. Exp. Sta. Misc. Rep. 71, 16 p., map. Ref. Aug.1966. 100 M66
- 5929 MOLTZAU, R. H. A battery-operated pilot balloon time-signal generator. U. S. Forest Serv. Res. Note PSW-107,8 p. 1966. A99.9 F7652
For accurate above-the-surface wind measurements, which are necessary in studies of weather patterns related to critical fire danger.
- 5930 MURPHY, P. J., BEAUFAIT, W. R., and STEELE, R. W. Fire spread in an artificial fuel. Mont. Forest Conserv. Exp. Sta. Bull. 32,21 p. Ref. July 1966. 99.9 M765B
Experiments conducted in wind tunnels.
- 5931 ST. MAURICE FOREST PROTECTIVE ASSOCIATION. Fifty-fourth annual report, 1965. Trois-Rivières, 1965. 31 p., map. 99.8 Sa22
- 5932 SCHROEDER, M. J., and CHANDLER, C. C. Monthly fire behavior patterns. U. S. Forest Serv. Res. Note PSW-112,15 p., map. 1966. A99.9 F7652
U. S. Weather Bureau, cooperating.
Fire danger indexes.
- 5933 TOURNAS, A. I. Forest fires; organization and methods for fire control. (Gre) Dassiika Chron. 8(92/93):260-273. June/July 1966. 99.8 D263
- 5934 U. S. FOREST SERV. DIV. OF FIRE CONTROL. 10 standard fire fighting orders; a programmed text for training fire fighters to know and apply the ten standard orders to fire situations. Washington, 1965. 111 p., map. asD421.U5
- 5935 VRACHEV, I. Results of analysis of forest fires in 1965. (Bu) Gorsko Stopanstvo 22(5): 20. May 1966. 99.8 G682

FOREST MANAGEMENT

- 5936 ANDERSON, G. Today's plantation management practices—in the southeast. Amer. Pulpwood Ass. Tech. Pap., July 1966:25-27. 99.9 Am33Te
- 5937 ARGYRES, A. Historical moments of forest syndicalism. (Gre) Dassiika Chron. 8(92/93): 274-276. June/July 1966. 99.9 D263
- 5938 ASHTON, R. V. The tree farm system has a birthday. Forest Notes 90:16-18. Summer 1966. 99.8 F7691
Chiefly on its operation in New Hampshire.
- 5939 BERCAW, T. E. Use of wood density data in industrial forest management. Symp. Density Key Wood Quality. Proc. 1965:135-139. asD430.89
- 5940 BERGSTROM, B. W. Forest management on New England electric system lands. Forest Notes 90:33-35. Summer 1966. 99.8 F7691
- 5941 BERNETIC, Z. Fundamental aspects of the personnel and organization in forestry. (Sl) Godzarski Vest. 24(5/6):141-151. 1966. 99.8 G74
- 5942 BROCKMAN, C. F. A park for the North Cascades? Amer. Forests 72(9):9-11,50-52, map. Sept.1966. 99.8 F762
- 5943 BROEKKE, J. K. Experiences from the Forest Area in Aremark after 4 years operation. (No) Ostfold Skogsselsk. Arsbet. 1965:25-30. 1966. 99.9 Os73B
- 5944 BYRD, R. C. Preserving a forest for recreation. Amer. Forests 72(9):18-20. Sept.1966. 99.8 F762
West Virginia.

Forest Fire Prevention and Control

- 5945 CAIRNS, L. E., BUTCHER, W. R., and PETERSON, A. W. Conboy National Wildlife Refuge: estimate of probable effects on the Glenwood Community. Wash. Agr. Exp. Sta. Circ. 466, 20 p., map. Aug. 1966. 100 W27S
- 5946 CALIFORNIA, DEPT. OF CONSERVATION, DIV. OF FORESTRY. The State Forester's 1965 report by F. H. Raymond. n.p., 1965. 23 p. 99.9 C122Act
Includes list of publications.
- 5947 CAMPBELL, D. Today's plantation management practices—in the southwest. Amer. Pulpwood Ass. Tech. Pap., July 1966:27-28. 99.9 Am33Te
- 5948 CAMPBELL, R. R. The forester as a communicator. Mo. Log 18:26-27. 1965. 99.8 M696
- 5949 CHUNG-KUO LIN YEH K'O HSUEH YEN CHIU Y'AN, LIN YEH CHING CHI YEN CHIU SO, KUNG TSO TSU. A report on the tentative establishment of silvicultural villages at Tach'ung-ch'uan, Tai-ling. (Ch) Sci. Silvae 10 (2):111-114. Apr. 1965. 99.8 L632
Lin Yeh Pu. Tai-ling Lin Yeh Shih Yen Chu. Kung Tso Tsu, cooperating.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:1. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 5950 CYPRUS, FOREST DEPT. Annual report for the year 1965, by A. Polycarpou. n.p., 1965. 59 p., map. 99.9 C992
- 5951 DERER, L. Recreational use of forests. (Cz) Lesnicka Prace 45(6):264-268. 1966. 99.8 L56
- 5952 DIELEMAN, W. A. Recreation and forest. (Du) Ned. Bosbouw Tijdschr. 38(4):136-141. map. Apr. 1966. 99.8 N28
- 5953 DOTTS, J. T. Role of plantations in future forest management and supply. Amer. Pulpwood Ass. Tech. Pap., July 1966:28-30. 99.9 Am33Te
In the South.
- 5954 DUKIC, G. Conditions and needs of the personnel of forestry and wood-using industries of the FR Serbia. (Se) Sumarstvo 19(1/2):45-55. Jan./Feb. 1966. 99.8 Su63
- 5955 GARAVEL, L. For a modern symbiosis between man and mountain space. (Fr) Fed. Franc. Econ. Montag. Bull. (n.s.):15:111-113. 1964/65/pub. 1966. 281.9 Ec7
Forest administration and finance.
- 5956 GOODLAND, N. L. Money in hedgerows. Farm Mech. 18(205):33. Sept. 1966. 58.8 B772
Farm woodlands in Great Britain.
- 5957 GRANDJEAN, A. J. Administration of our forests and natural resources. (Du) Ned. Bosbouw Tijdschr. 38(4):181-185. Apr. 1966. 99.8 N28
- 5958 HAVELKA, M. Changes in the remuneration system of forest labor. (Cz) Lesnicka Prace 45(6):247-249. 1966. 99.8 L56
- 5959 HOSIE, R. C. Professionalism as applied to a forester. Annu. Ring 1966:9-10. 99.8 An74
- 5960 JOZSEF, G. Experiences with free wage system in the forestry of Balatonfelvidek. (Hu) Erdogazdasag Falpar 20(8):5-6. Aug. 1966. 99.8 Er2
Forest labor.
- 5961 JURHAR, F. Foresters and intensity of forest productivity. (Sl) Gozdarski Vest. 24(1/2):8-12. 1966. 99.8 G74
- 5962 KIHLMIRE, P. M. People want to know. Mo. Log 18:28-33. 1965. 99.8 M696
Activities of the Visitor Information Service Branch of the U.S. Forest Service.
- 5963 LEMMON, P. E. Soil surveys as an aid to woodland management in the United States. Advancing Frontiers Plant Sci. 15:87-95. 1966. 452.4 V81
- 5964 MARKOV, G., and TOSHKOV, M. National park Vitosha. (Bu) Priroda [Sofia] 14(5):3-9. map. Sept./Oct. 1965. 410 P934
- 5965 PAJIC, D. Development of forestry of Bosnia and Herzegovina in the light of new forest management. (Se) Nar. Sumar 19(11/12):418-422. Nov./Dec. 1965. 99.8 N16
- 5966 PARRY, M. S. Recent progress in the development of miombo woodland in Tanganyika. East Afr. Agr. Forest. J. 31(3):307-316. Ref. Jan. 1966. 24 Ea74
Chiefly Brachystegia, Pterocarpus, and Julbernardia.
- 5967 MARTY, R., and NEEBE, D. J. Compound interest tables for long-term planning in forestry. U. S. D. A. Agr. Handbook 311, 103 p. June 1966. 1 Ag84Ah
- 5968 MAURAND, P. The true role of the forester is in the management. (Fr) Bois Forests Trop. 107:3-13. May/June 1966. 99.8 B632
English summary.
- 5969 MELAVC, D. Experiences and perspectives of the common management of public and private forests. (Sl) Gozdarski Vest. 24(5/6):136-140. 1966. 99.8 G74
Includes costs and returns.
- 5970 MIKOLA, P. Multiple use of forests. (Fi) Metsataloudellinen Aikakauslehti 83(7):286-288, 307. Feb. 1966. 99.9 F49
English summary.
- 5971 MULDER, J. VAN F. Forest and hunting. (Du) Ned. Bosbouw Tijdschr. 38(4):168-173. Apr. 1966. 99.8 N28
- 5972 NERSTEN, S. The report of the Investment Committee—5 years later. (No) Norsk Skogbruk 11(7/8):229-232, 280. Apr. 1965. 99.8 N615
Forest investments in Norway.
- 5973 NIGERIA, NORTHERN REGION, FOREST ADMIN. Annual report for the year 1963-64. Kaduna, 1965. 47 p., map. 99.9 N565
- 5974 NORTH Cascades report. Living Wilderness 29(91):33-39. Winter 1965/66. 410 L76
Recommendation for the establishment of wilderness areas in Washington.
- 5975 NORWAY, SKOGVESENET, Arsmelding [Annual report of the Board of Forestry], 1965. Oslo, 1966. 92 p. 99.9 N835
- 5976 NOVOTNY, M. Research in the field of forestry economics. Za Sotsialist. Sel'skokhoz. Nauk. 15(1):45-65. Ref. 1966. 64.8 Z1
- 5977 PATTON, D. R., and HALL, J. M. Evaluating key areas by browse age and form class. J. Wildlife Manage. 30(3):476-480. July 1966. 410 J827
- 5978 PENEV, N. On the problem of increasing forest productivity. (Bu) Lesnikostopanska Nauk. 4(3):33-44. Ref. 1965. 21 Se492
- 5979 PETKOV, P. D. Principle of permanency and regularity in exploitation and over-exploitation of Bulgarian forests. (Bu) Gorskostopanska Nauk. 3(2):165-174. Ref. 1966. 99.8 G683
- 5980 PRIESOL, A. Management of forest in Rumana. (Cz) Lesnicka Prace 45(6):270-274. 1966. 99.8 L56
- 5981 RAO, N. R. Forestry and agriculture. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p.29-41. 1965. S471.14K3
Forest administration.
- 5982 REYNOLDS, H. G. Use of openings in spruce-fir forests of Arizona by elk, deer, and cattle. U. S. Forest Serv. Res. Note RM 66,4 p. 1966. A99.9 F7632Us
- 5983 REYNOLDS, H. G. Use of a ponderosa pine [Pinus ponderosa] forest in Arizona by deer, elk, and cattle. U. S. Forest Serv. Res. Note RM 63,7 p., map. May 1966. A99.9 F7632Us
- 5984 SAGL, W. Theoretical reflections on forest economics study. (Ge) Centralbl. Gesamte Forstwesen 83(2):94-103. Ref. June 1966. 99.8 C33
English summary.
- 5985 SCHNEIDER, G. Conservation education for people. Amer. Forests 72(9):12,44-46. Sept. 1966. 99.8 F762
- 5986 SMITH, D. M. Report of Forestry Committee. Conn. Woodlands 31(4):3-5, 14. July/Aug. 1966. 99.8 C76
Of the Connecticut Forest and Park Association.
- 5987 SPAIN DIRECCION GENERAL DE MONTES, CAZA Y PESCA FLUVIAL. Memoria sobre las actividades de este centro en el año 1965 [Report on the activities of this center for the year 1965]. Madrid, 1966. 175 p. 99.9 Sp12

- 5998 STEFANOVIC, V. The role and tasks of foresters and rangers in the economic reform. (Se) Sumarstvo 19(3/5):29-34. Mar./May 1966. 99.8 Su63
- 5999 STOFFELS, A. Multiple function of the forest in Netherlands. (Du) Ned. Bosbouw Tijdschr. 38(4):134-135. Apr. 1966. 99.8 N28
Chiefly recreational use.
- 5990 STRANDGAARD, H. Wildlife and modern forestry. (Da) Tolvmandsbladet 38(9):478-480. map. Sept. 1966. 11 T58
- 5991 STREBEL, E. Cooperation of forestry and melioration service in the planning problems of the mountain area. (Ge) Schweiz. Z. Forstwesen 117(8/9):595-601. Aug./Sept. 1966. 99.8 J82
French summary.
- 5992 TURK, Z. Forestry of Poland and its mechanization. (Sl) Godzarski Vest, 23(9/10):299-312. 1965. 99.8 G74
German summary.
- 5993 U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Report, 1965. Upper Darby, Pa., 1966. 70 p., map. 1.9 F7622
- 5994 VLADIMIROV, V. V. Population distribution in timber industry regions of USSR. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 4:64-76, map. Ref. July/Aug. 1966. 331.9 Ak12
Chiefly occupied as forest labor.
- 5995 VUCLJAK, S. The structure of economic means of forest enterprises of Bosnia and Herzegovina. (Se) Nar. Sumar 20(5/6):161-166. May/June 1966. 99.8 N16
French summary.
- 5996 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Sumarstvo 1964 [Forestry 1964]. Yugoslavia. Savezni Zavod Statist. Bilten 386, 51 p. 1966. 266.9 Sa9S
Contents, introduction, and table headings in English.
- Forest Description and Mensuration
- 5997 BANKS, P. F. Early height growth in Rhodesia of progenies of *P. taeda* from Texas. Rhodesia Zambia Malawi J. Agr. Res. 4(1):3-7. Jan. 1966. 24 R3472
- 5998 BEEKHUIS, J. Prediction of yield and increment in *Pinus radiata* stands in New Zealand. Wellington. Forest Res. Inst. Tech. Pap. 49, 39 p., map. 1966. 99.9 W46T
- 5999 BRADLEY, R. T., CHRISTIE, J. M., and JOHNSON, D. R. Forest management tables. Great Brit. Forest. Comm. Booklet 16, 218 p. 1966. 99.9 G795B
- 6000 BRICKELL, J. E. Site index curves for Engelmann spruce [*Picea engelmannii*] in the northern and central Rocky Mountains. U. S. Forest Serv. Res. Note INT 42, 8 p., map. 1966. A99.9 F764Un
- 6001 CHINCHALADZE, T. G., and GEDENIDZE, A. A. Yield table for *Populus canadensis*, *P. nigra* and *P. balsamifera* under conditions of Colchis lowland. (Rus) Les. Zh. 6:167. 1964. 99.8 I28
- 6002 DIMITROV, KH. Growth of some forest species in shelterbelts. (Bu) Gorskostopanska Nauk. 3(2):87-111. 1966. 99.8 G683
German summary.
Mensurational data.
- 6003 DVORETSKII, M. L. Form height of a stand. (Rus) Les. Zh. 6:16-18. Ref. 1964. 99.8 I28
- 6004 FRANZ, F. For building up modern yield tables. (Ge) Forstwiss. Centralbl. 85(5/6):134-147. May/June 1966. 99.8 F775
English summary.
- 6005 GEORGIEV, A., and SARAFOV, I. Observations on the growth of Oriental beech [*Fagus orientalis*] in the Varbitsa forest enterprise. (Bu) Gorsko Stopanstvo 22(6):10-14. June 1966. 99.8 G682
- 6006 GONCHAR, M. T., and KORYSTIN, S. N. *Larix leptolepis* Cord. plantations in the Lvov Region. (Rus) Les. Zh. 6:37-40. 1964. 99.8 I28
Mensurational data.
- 6007 GRAY, H. R. Principles of forest tree and crop volume growth. Australia Forest. Timber Bur. Bull. 42, 54 p. Ref. 1966. 99.9 Au723
Mensuration monograph.
- 6008 IVANYUTA, V. M. A universal instrument for forest mensuration and its application. (Rus) Les. Zh. 6:47-52. 1964. 99.8 I28
- 6009 KENNEL, R. Social arrangement, neighborhood and growth. (Ge) Forstwiss. Centralbl. 85(7/8):193-204. Ref. July/Aug. 1966. 99.8 F775
Chiefly mensuration.
- 6010 KVAM, E. Forest acreage of Norway—cubic volume and growth below the coniferous timberline. (No) Norsk Skogbruk 11(7/8):255. Apr. 1965. 99.8 N815
- 6011 MYERS, C. A. Yield tables for managed stands with special reference to the Black Hills. U. S. Forest Serv. Res. Paper RM 21, 20 p. Ref. 1966. A99.9 F7632U
South Dakota and Wyoming.
- 6012 NYSSONEN, A., and KILKKI, P. Sampling a stand in forest survey. Lääksä Forest. Fenn. 79(4), 19 p. 1966. 99.9 F492
- 6013 PATATSKAS, A. I. Use of Charlier's function for investigation of pattern of stand structure. (Rus) Les. Zh. 6:7-11. 1964. 99.8 I28
- 6014 PORYTSKIY, H. O. New volumetric tables for hornbeam trunk. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:70-72. June 1965. 20 V82
Russian summary.
- 6015 SCHMIDT, A. Reflections on electronic evaluation of photographs of experimental plots. (Ge) Forstwiss. Centralbl. 85(5/6):178-188. Ref. May/June 1966. 99.8 F775
- 6016 SCHOPFER, W. Models for efficient evaluation of yield plot data. (Ge) Allg. Forst- Jagdzeitung 137(9):201-218. Ref. Sept. 1966. 99.8 AL3
English summary.
Application for computers.
- 6017 SHIKOV, K. Industrial maturity of fir stands in Bulgaria. (Bu) Gorskostopanska Nauk. 3(2):141-148. 1966. 99.8 G683
French summary.
Measurement.
- 6018 SMIRNOV, N. T. Effect of improvement cutting on the growth of pine stands established by patch planting. 8 p. Ref. (TT 65-50040) Transl. 16147
Translation from Lesnoi Zhurnal 3(1):43-48. 1960.
CFSTI: \$1.00.
- 6019 SUNDAHL, W. E. Crown and tree weights of madrone [*Arbutus menziesii*], black oak [*Quercus kelloggii*], and tan oak [*Lithocarpus densiflorus*]. U. S. Forest Serv. Res. Note PSW-101, 4 p. 1966. A99.9 F7652
Pacific madrone and California black oak.
- 6020 TZIOUMAKES, G. Measurement of the height of trees and any other object by the use of oblique aerial photos. (Gre) Daskika Chron. 8(92/93):290-294. June/July 1966. 99.8 D263
- 6021 WEDEL, K. VON. Investigations on the weight of increment cores from sycamore and Norway maple. (Ge) Holz Roh- Werkstoff 24(8):329-338. Ref. Aug. 1966. 99.81 H74
English summary.
- 6022 YUDELEVICH, M., and others. Tablas de volumen para pino insignie (*Pinus radiata* D. Don) [Volume tables for insignis pine (*Pinus radiata* D. Don)]. Santiago de Chile. Inst. Forest. Bol. Tec. 2, 131 p. July 1965. 99.9 Sa53
B. Husch, R. Dixon, J. Ortega, and D. Campos, joint authors.
- Policies and Programs
- 6023 AMMER, U. Forestry and land planning in Baden-Württemberg. (Ge) Forst- Holzwirt 21(14):306, 308. July 23, 1966. 99.8 F7724
- 6024 BEWERUNGE, K. Critical reflections on furthering forestry from the Federation aspect. (Ge) (Excerpts) Forst- Holzwirt 21(12):269-270. June 23, 1966. 99.8 F7724

- 6025 FUX, A. Forest and pasture in frame of extensive alpine improvement. (Ge) Schweiz. Z. Forstwesen 117(8/9):602-606. Aug./Sept.1966. 99.8 J82
- 6026 WASHINGTON, DEPT. OF NATURAL RESOURCES. Fourth biennial report, 1962-64. Olympia, 1965. 44 p.,map. 279.9 W274
Includes forestry program.

Legislation and Taxation

- 6027 CIGLAR, M. Forestry code of the FR Slovenia. (Sl) Gozdarski Vest. 24(1/2):1-7. 1966. 99.8 G74
- 6028 JAEGER, K. Civil law aspects of the former communities of Hanover and their forestry parts. (Ge) Forst- Holzwirt 21(14):303-306. July 23, 1966. 99.8 F7724
- 6029 MOSER, L. Recent developments in forestry legislation in France and the Federal Republic of Germany. (It) Ital. Forest. Mont. 21(2):86-90. Mar./Apr.1966. 99.8 It12
French summary.
- 6030 OREGON, BOARD OF FORESTRY. Oregon forest laws and regulations, 1965 by J. E. Schroeder. n.p., 1965. 166 p. 99.59 O3F
- 6031 U. S. COOPERATIVE STATE RESEARCH SERV. Administrative manual for the McIntire-Stennis Cooperative Forestry Research Program. U. S. D. A. Agr. Handbook 324,29 p. Aug.1966. 1 Ag84Ah
- 6032 U. S. COOPERATIVE STATE RESEARCH SERV. Forestry research progress in 1965; McIntire-Stennis Cooperative Forestry Research Program. Washington, 1965. 96 p., map. aSD11.A32
Bibliography, p.88-94.

FOREST PRODUCTS AND UTILIZATION

- 6033 DORSAZ, H. Development of wood marketing of Valais and pulpwood supply especially. (Ge) Schweiz. Z. Forstwesen 117(8/9):593-594. Aug./Sept.1966. 99.8 J82
- 6031 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FORESTRY AND FOREST PRODUCTS DIV. World forest products statistics; a ten-year summary, 1954-1963. Rome, 1965. 350 p. SD431.F62
Text in English, French and Spanish.
- 6035 GOROVOL, V. L., and PRIVALOVSKAYA, G. A. Geografiya lesnoi promyshlennosti SSSR [Geography of forest industries of USSR]. Moskva, Nauka, 1966. 150 p.,map. Ref. SD499.G6
- 6036 KENTUCKY, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Kentucky forest utilization survey, No. 16. n.p., 1965. 4 p.,map. 99.9 K412
Prepared semi-annually by Forestry Department, University of Kentucky, in cooperation with the Kentucky State Division of Forestry. Marketing.
- 6037 LOCKE, E. G. Needs in the forest products research area. Symp. Density Key Wood Quality. Proc. 1965:186-191. aSD430.S9
- 6038 MLIC, S. Outlook for the development of the wood-using industry of the FR Serbia up to 1970. (Se) Sumarstvo 19(3/5):62-66. Mar./May 1966. 99.8 Su63
- 6039 NAGY, I. O. Primary cost calculation problems in the basic material manufacturing wood industry. (Hu) Faipar 16(7):210-216. July 1966. 99.82 F14
- 6040 NECHITA, V., and BOTEZ, C. Forest industry in the Suceava region. (Rum) Probl. Econ. [Bucharest] 19(8):140-146. Aug.1966. 280.8 P947
- 6041 PEARSE, P. H., and SYDNEYSMITH, S. Method for allocating logs among several utilization processes. Forest Prod. J. 16(9):87-98. Sept.1966. 99.9 F7662J
Linear programming.

- 6042 REUNION SOBRE INVESTIGACIONES EN PRODUCTOS FORESTALES. CONCEPCION, 1964. Actas [Papers]. Santiago de Chile, Inst. Forest. Inform. Tec. 21,189 p.,map. Ref. Sept.1965. 99.9 Sa531
English summary.
Held under the auspices of the Instituto Forestal, Santiago de Chile, and the Universidad de Concepcion.
- 6043 RYNELL, O. Development of the forest industry and capital charges. (Sw) Svensk Papperstidn. 69(12):421-425. June 30,1966. 302.8 Sv2
- 6044 SPEARS, J. S. Future timber disposal policies in Kenya. East Afr. Agr. Forest. J. 31(3):317-321. Jan.1966. 24 Ea74
- 6045 SUAREZ, M. M. Use of the "Moriche" palm (Mauritia flexuosa L.f.) among the Warao of the Oronoco Delta, Amacuro Delta Territory, Venezuela. (Fr) J. Agr. Trop. Bot. Appl. 13 (1/3):33-38, map. Jan./Mar.1966. 26 J822
- 6046 THOMAS, M. The Soviet expands its forest industry. Foreign Trade 126(5):8-10. Sept.3, 1966. 286.8 C162
- 6047 THE TIMBER market in Algeria. 4 p. Transl. 15548
Translation from Algeria. Chambre de Commerce et d'Industrie d'Alger. Bilan Economique D'une Annee d'Independence 1963:56-57.
- 6048 VIHAR, P. Slovenian wood-using industries in the economic reform. (Sl) Les [Ljubljana] 18(1/3):7-13. 1966. 99.8 L564
- 6049 ZINNİKAS, J. D. The Pacific Basin market for wood products for military support activities. U. S. Forest Serv. Res. Paper PSW 27, 6 p. 1966. A99.9 F7652P
Market for timber products industry in Hawaii.

Lumbering and Logging

- 6050 AAVATSMARK, I. Deliveries of sawlogs tomorrow. (No) Norsk Skogindus. 20(8):273-278. Aug.1966. 99.82 N81
- 6051 BARRETT, J. W. Quick log hook, release with double tong system. Forest Indus. 83(10):58-59. Sept.1966. 99.81 W52
- 6052 BERGMANN, K., and RACZ, J. Lumbering and hauling on a steep slope above a heavily used railway stretch. (Ge) Forsttech. Inform. 8:53-63. Aug.1966. 99.8 F7794
- 6053 BRITISH COLUMBIA, FOREST SERV. Half-yearly register of marks for timber sales and timber harvesting licences, tree-farm licences. Volume II, List No. 162, corrected to March 31, 1966. n.p., 1966. 109 p. 99.9 B77H
- 6054 CLAUSER, F. Costs of clearing the felling area with crane cables in the Casentino forest. (It) Ital. Forest. Mont. 21(2):91-100. Mar./Apr.1966. 99.8 It12
French summary.
- 6055 FAUST, E. Wood hauling. (Ge) Forsttech. Inform. 7:45-52. July 1966. 99.8 F7794
Equipment.
- 6056 FINLANDS FLÖTTAREFORENING. Årsbok [Yearbook of the Log Drifting Association in Finland]. XXXIV. 1965. Helsinki, 1966. 80 p. 292.49 V98Y
- 6057 FRANCES, R. The forest road of Joux-Verte at Morzine. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15:461-462. 1964/65, pub. 1966. 281.9 Ec7
- 6058 HELMERS, A. E. Some effects of log jams and flooding in a salmon spawning stream. U. S. Forest Serv. Res. Note NOR-14,4 p., map. May 1966. A99.9 F7672U
Alaska.
- 6059 HEMMI, L. Information on the long-distance transport of raw wood for the forest industry in North Finland. (Fi) Suomen Uittajainyhdist. Vuosikirja 1965:40-50, map. 292.49 V98Y
English summary.
- 6060 IONESCU, M., and AMZICA, A. Problems of installations of transportation in the upper watershed of the Arges River. (Rum) Rev. Padurilor 81(6):342-346, map. June 1966. 99.8 R327
Chiefly forest roads, bridges and tunnels.

- 6061 JELICIC, V. Economic problems of the construction of forest roads. (Se) Nar. Sumar 20 (3/4):65-72. Mar./Apr. 1966. 99.8 N16
French summary.
- 6062 JONES, D. S. A study of swage-set circular saws cutting softwood. Australian Timber J. Building Prod. Merchandiser 32(5):41-44. June 1966. 99.81 Au7
- 6063 KHARITONOV, V. YA., and MANUKHIN, G. A. Movement of logs under water in sorting and bundling work at floating depots. (Rus) Les. Zh. 6:70-76. 1964. 99.8 I28
- 6064 KOVAC, J. The effectiveness of direct logging operations. (Sl) Gozdarski Vest. 24(5/6):156-160. 1966. 99.8 G74
Includes transportation of logs.
- 6065 KUDER, M. Planning in logging operations. (Sl) Gozdarski Vest. 24(5/6):151-156. 1966. 99.8 G74
- 6066 KUVALDIN, B. I., and TSOFIN, Z. S. Determination of the parameters of equation characterizing the load line of log bundle (trees with crown). (Rus) Les. Zh. 6:53-58. 1964. 99.8 I28
- 6067 LAMMASSAARI, V. Optimization of logging operations. (Fi) Metsataloudellinen Aikakauslehti 83(5/6):239-241, 247, map. May/June 1966. 99.9 F49
English summary.
For log driving.
- 6068 LEE, R. E. Factors affecting harvesting plantations and natural stands. Amer. Pulpwood Ass. Tech. Pap., July 1966:24-25. 99.9 Am33Te
- 6069 LERJEN, J. The necessity of coordination and planning of forest road projects and farm utility roads in Upper Valais. (Ge) Schweiz. Z. Forstwesen 117(8/9):607-610. Aug./Sept. 1966. 99.8 J82
- 6070 LOFFLER, H. Forest utilization and wood harvesting technique. (Ge) Forst- Holzwirt 21(11):244-247. June 8, 1966. 99.8 F7724
- 6071 LOYCKE, H. J. Log transportation, procedure and developmental trends. (Ge) Forst- Holzwirt 21(11):254-261. June 8, 1966. 99.8 F7724
- 6072 LUI, T., and CHAO, P. M. A report of the method of loading logs in open wagons without standing posts. (Ch) Scientia Silvae 10(4):347-353. Oct. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:22-23. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 6073 LUOMA, K. Co-operative and private floating in the light of new water legislation. (Fi) Metsataloudellinen Aikakauslehti 83(5/6):234-237. May/June 1966. 99.9 F49
English summary.
- 6074 MELAMIES, M. The suitability of programming in the acquisition of timber under the conditions in North Finland. (Fi) Metsataloudellinen Aikakauslehti 83(5/6):267-270, 273, 283, map. May/June 1966. 99.9 F49
English summary.
- 6075 MICHELSEN, P., and KALLIO, H. The use of the immersion method for volume calculations of timber bundles. (Fi) Suomen Uittajainyhdist. Vuosikirja 1965:70-73. 292.49 V98Y
English summary.
- 6076 MO, J. H. Varieties of logging and transporting procedures in the northeast forest region and problems of improving the procedures for year-long production. (Ch) Scientia Silvae 10(4):364-366. Oct. 1965. 99.8 L632
Equipment and transportation in logging in China.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:27-28. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 6077 PAHLITZSCH, G., and ROWINSKI, B. On the vibration behavior of circular sawblades. II. (Ge) Holz Roh- Werkstoff 24(8):341-346. Aug. 1966. 99.81 H74
English summary.
- 6078 PAVLOV, F. A. Distribution of normal vertical stresses in a snow-ice cover. (Rus) Les. Zh. 6:80-88. 1964. 99.8 I28
In relation to winter transportation of logs.
- 6079 PERTOVAARA, H. Floating statistics of North Finlands floating associations for 1949-1964. (Fi) Suomen Uittajainyhdist. Vuosikirja 1965:51-69. 292.49 V98Y
English summary.
Cost.
- 6080 PETROVSKII, V. S. Algorithms for programming the cross-cutting of tree-length logs. 10 p. Transl. 16169
Translation from Lesnaya Promyshlennost' 7:10-12. 1963.
- 6081 PETROVSKII, V. S. An investigation of the generatrix of tree stems. 5 p. Transl. 16171
In relation to log bucking.
Translation from Lesnoe Khozyaistvo 9:38-39. 1964.
- 6082 PETROVSKII, V. S. On the theory of cross-cutting tree stems. 11 p. Transl. 16170
Translation from Lesnoi Zhurnal 4:53-61. 1963.
- 6083 PIPAN, R. Economic norms for the intensity of logging. (Sl) Gozdarski Vest. 23(7/8):193-206. 1965. 99.8 G74
- 6084 PRONIN, D. Russia's wood industry to benefit from new inland waterways. Forest Prod. J. 16(9):116-117, map. Sept. 1966. 99.9 F7662J
Transporting raw materials from the forests.
- 6085 RACZ, J. Detailed opening of forest and forest road net. (Ge) Forst- Holzwirt 21(11):247-250, 252, 254. Ref. June 8, 1966. 99.8 F7724
- 6086 REYNOLDS, R. R. 1965 harvest, cross-cut farm forestry forties. U. S. Forest Serv. Res. Note SO-29, 4 p. 1966. A99.9 F7628U
Economic aspects.
- 6087 RUPRICH, J. Planning of production processes in logging. II. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnicke 4:281-324. 1965. 105.92 B833
English summary.
Linear programming.
- 6088 SAMOLOVICH, G. G. Trial in hauling of logs by helicopter. (Rus) Les. Zh. 6:68-69. 1964. 99.8 I28
- 6089 SCHLAGHAMERSKY, A. Tables for the calculation of tension ropes in cableways with one mobile load. (Ge) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnicke 4:325-332. Ref. 1965. 105.92 B833
English summary.
Log hauling.
- 6090 SEVIDIN, R. Complex brigades in lumbering. (Bu) Gorsko Stopanstvo 22(5):1-5. May 1966. 99.8 G682
- 6091 SHIH, C. Y. A study of major work parameters of dual-link cable style hoists. (Ch) Scientia Silvae 10(3):276-278. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:12. Feb. 23, 1966. (JPRS 34,245; TT 66-3-686) 241.7 Un34C
Issued by CFSTI.
- 6092 SKAARER, L. Construction of forest roads. (No) Norsk Skogbruk 11(7/8):250-251. Apr. 1965. 99.8 N815
- 6093 STERZIK, H. K. Effects of debarking in the forest and in lumber yards on wood transportation. (Ge) Forstarchiv 37(8):180-186. Ref. Aug. 1966. 99.8 F7723
- 6094 STERZIK, H. K., and HELL, K. Felling of heavy trees and on slopes with jack and lever. (Ge) Forstarchiv 37(8):194-196. Ref. Aug. 1966. 99.8 F7723
- 6095 SVEC, J. Problems of logging, handling and processing of beech wood. (Cz) Drevo 21(7):253-255. July 1966. 99.82 D81
English summary, p. 2 of supplement.
- 6096 TEMPLE, D. Cement stabilization of logging roads. Pulp Pap. Mag. Can. 67(8):WR389-WR390, WR392-WR402. Ref. Aug. 1966. 302.8 P96
- 6097 UVAROV, B. V. The work of the earth foundations of lorry strip roads made of reinforced-concrete slabs. (Rus) Les. Zh. 6:89-100. 1964. 99.8 I28
Forest roads.

- 6098 VAISANEN, U. Setting sea-towing channels in order. (Fi) Metsätaloudellinen Aikakauslehti 83(5/6):243-247. May/June 1966. 99.9 F49 English summary.
- 6099 VALAVAARA, W. Greater efficiency for wheeled skidders. Forest Farmer 25(13):16, 18, 21. Sept. 1966. 99.8 F7692
- Sawmills
- 6100 BORSTNAR, J. Utilization of saw blades reinforced with Stellite. (Sl) Les [Ljubljana] 18 (5/7):91-93. 1966. 99.8 L564
- 6101 BRAGIN, A. P. An installation for moving logs forward in the log pond and feeding them to the log conveyor. (Rus) Derevoobrabatvayushchaya Prom. 11:11-12. Nov. 1965. 99.82 D44
- 6102 BUNTSEV, K. Maintenance and repair of the Druzhba motor-driven saw. (Bu) Gorskoye Stopanstvo 22(5):25-29. May 1966. 99.8 G682
- 6103 CHU, C. S. Experience in the northeast region of varying sawing designs according to the shape of the logs. (Ch) Scientia Silvae 10(4):341-346. Oct. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:21-22. Feb. 23, 1966.
(JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSST.
- 6104 GEVISSER, D. J. The milling and marketing of S.A. pine structural timber. S. Afr. Coun. Sci. Indus. Res. C.S.I.R. Symp. S 16:195-211. 1965. Q101.A1582
- 6105 GRUBE, A. E., SANEV, V. I., and PASHKOV, V. K. Some aspects of rip-sawing wood with thin circular saws. (Rus) Les. Zh. 6:101-115. 1964. 99.8 I28
- 6106 LEONT'EV, P. A. Efficient method of sawing unged boards. (Rus) Derevoobratvayushchaya Prom. 11:20-22. Nov. 1965. 99.82 D44
- 6107 PORTER, A. W. Design of frame-saw blades. New Zeal. Timber J. 12(11):38, 41-42. July 1, 1966. 99.81 N482
- 6108 REBOL, V. The selection of equipment for sawmills. (Sl) Les [Ljubljana] 18(5/7):87-91. 1966. 99.8 L564
- 6109 ZVARA, J. Consideration on a sawmill of future. (Cz) Drevo 21(4):123-125. Apr. 1966. 99.82 D81
English summary.
- Processing and Woodworking
- 6110 COLEMAN, D. G. Woodworking factbook; basic information on wood for wood carvers, home woodshop craftsmen, tradesmen, and instructors. New York, Speller, 1966. 240 p. TT180.C6
- 6111 GALINKIN, B. E., BENDIN, A. S., and KOZHEVNIKOV, B. I. Study of surface roughness in turning compressed wood. (Rus) Derevoobratvayushchaya Prom. 11:7-9. Nov. 1965. 99.82 D44
Birch wood.
- 6112 JOHANSON, F., and BACK, E. L. Molding dry ligno-cellulosic materials above 325° C. Forest Prod. J. 16(9):70. Sept. 1966. 99.9 F7662J
- 6113 KOCH, P., and McMILLIN, C. W. Wood machining review, 1963 through 1965. I. Forest Prod. J. 16(9):76-82, 107-115. Sept. 1966. 99.9 F7662J
Bibliography and reviews.
- 6114 KOCH, P., and McMILLIN, C. W. Wood machining review, 1963 through 1965. 2. Forest Prod. J. 16(10):43-48. Oct. 1966. 99.9 F7662J
Bibliography and reviews.
- 6115 RAKIN, A. G., ed. Pressovannaya drevesina i drevesnye plastiki v mashinostroenii; spravochnik [A manual on compressed wood and wood-based laminates and moldings in mechanical engineering]. Moskva, Mashinostroenie, 1965. 147 p. 99.79 R13
- 6116 WIENSNER, I. Organization of processing of the lumber of lesser qualities. (Cz) Drevo 21(4):132-133. Apr. 1966. 99.82 D81
English summary.
- 6117 WOODHEAD, W. D. Bleaching of wood. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 330:3-4. June 1966. 99.9 Au722F
- Seasoning, Conditioning and Finishing
- 6118 ANDREEVA, N. V., and KUTYANIN, G. I. Effective methods for estimation of extent of pore-filling of wood. (Rus) Derevoobratvayushchaya Prom. 12:7-8. Dec. 1965. 99.82 D44
In lumber finishing.
- 6119 BACHER, F. Outdoor painting of pine wood—especially Austrian pine. (Ge) Holzforsch. Holzverwertung 18(3):52-53. June 1966. 99.9 Os72
English summary.
- 6120 BANKS, C. H. Timber quality as related to seasoning practice. S. Afr. Coun. Sci. Indus. Res. C.S.I.R. Symp. S 16:83-91. 1965. Q101.A1562
- 6121 BARQUEST, G., and BLACK, J. Penetrating stain for rough and weathered wood. Wis. Univ. Ext. Spec. Circ. 107, 4 p. Aug. 1965. 25.29 W758
- 6122 BLUHM, E., and others. Recovery of collapse in Eucalyptus wood (Eucalyptus globulus). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:147-152. Sept. 1965. 99.9 Sa531
R. Melo, C. Neira, and W. G. Kauman, J., joint authors.
- 6123 CUEVAS I., E. Determination of shrinkage and collapse during drying of Eucalyptus viminalis wood. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:166-171. Sept. 1965. 99.9 Sa531
- 6124 ERICKSON, R., HAYGREEN, J., and HOSSFELD, R. Drying prefrozen redwood with limited data on other species. Forest Prod. J. 16(8):57-65. Ref. Aug. 1966. 99.9 F7662J
- 6125 FINIGAN, R., and LIVERSIDGE, R. M. Laboratory studies on timber seasoning yard design; the detection of air movement. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 330:1-3. June 1966. 99.9 Au722F
- 6126 JANK, W. Handbuch der Holz Trocknung [Handbook on wood seasoning]. Ed. 2, rev. Leipzig, Fachbuchverlag, 1965. 221 p. Ref. TS837.J3
- 6127 KOVAL'CHUK, L. M., and ZHIDELEVA, V. K. Protection of wood products with aluminum foil. (Rus) Derevoobratvayushchaya Prom. 11:5-7. Nov. 1965. 99.82 D44
Wood finishing.
- 6128 ORTIZ C., M. R. Pre-drying of Scotch pine wood (Pinus sylvestris L.). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:153-157. Ref. Sept. 1965. 99.9 Sa531
Includes discussion.
- 6129 PRISTAVEC, P. Machine-finishing of molded wood articles. (Sl) Les [Ljubljana] 18(4):52-56. 1966. 99.8 L564
- 6130 SHARMA, S. N., and BAIL, B. I. Wood seasoning; some variables affecting the trend of unidirectional shrinkage along board width of toon (Cedrela toona) above the fibre saturation point in kiln drying. Dehra Dun. Forest Res. Inst. Indian Forest Bull. (n.s.) 252, 12 p. 1966. 99.9 In22B
- 6131 SOKOLOV, P. V., and others. Results of comparative tests of systems for automation of kiln drying of wood. (Rus) Derevoobratvayushchaya Prom. 12:3-4. Dec. 1965. 99.82 D44
E. S. Bogdanov, I. V. Krechetov, E. E. Bagdat'ev, and L. S. Maratsuts, joint authors.
- Wood Preservation and Damage
- 6132 AMMER, U. Investigations on the protection of pine wood against blue stain. (Ge) Forstwiss. Centralbl. 85(5/6):165-178. May/June 1966. 99.8 F775
Chemical.

- 6133 BEZNOSKA, J., and CIZA, J. Tests on the effect of wood preservatives on the corrosion of metals. (Cz) *Drvo* 21(1):25-26. Jan.1966. 99.82 D81
English summary.
- 6134 BLUHM S., E., and MELO S., R. Control of durability of treated stakes in the soil. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:116-122. Sept.1965. 99.9 Sa531
Pinus radiata wood treated with preservatives.
- 6135 DUNCAN, C. G., and ESLYN, W. E. Wood-decaying Ascomycetes and Fungi Imperfecti. *Mycologia* 58(4):642-645. July/Aug.1966. 450 M99
- 6136 GAETE PUELMA, R. Toxicity of native creosote against wood-destroying fungi (*Polystictus sanguineus* (L.) Mey. and *P. versicolor* (L.) Fr.). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:126-129. Sept.1965. 99.9 Sa531
- 6137 GONET, P. Impregnation of wood by momentary immersion. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:109-113. Sept.1965. 99.9 Sa531
- 6138 HENNINGSSON, B. Physiology and decay activity of the birch conk fungus *Polyporus betulinus* (Bull.) Fr. *Stud. Forest. Suecica* 34, 77 p. Ref. 1965. 99.8 St9
- 6139 JOHANSSON, M. A comparison between the cellulolytic activity of white and brown rot fungi. I. The activity on insoluble cellulose. *Physiol. Plant.* 19(3):709-722. Ref. 1966. 450 P64
Wood decaying potential of *Polyporus versicolor* and *Poria monticola*.
- 6140 KROGH, P. M. D. Preservation of building timbers. S. Afr. Connc. Sci. Indus. Res. C.S. I.R. Symp. 8:16:95-106. 1965. Q101.A1S82
- 6141 LANGENDORF, G. Determining the absorption capacity of wood in impregnation without the use of pressure. 9 p. Transl. 15215
Translation from *Holztechnologie* 5(2):107-111. 1964.
- 6142 LEVY, J. The soft rot fungi: their mode of action and significance in the degradation of wood. *Advances Bot. Res.* 2:323-357. Ref. 1965. 450 AD92
Fagus, *Pinus sylvestris*, and *Betula*.
- 6143 LYR, H. Stimulation of wood-destroying fungi by toxins. 7 p. Transl. 14355
Effect of wood preservatives on *Collybia velutipes* and *Trametes versicolor*.
Translation from Internationales Symposium, Eberswalde, Holzzerstörung durch Pilze 1962: 359-367.
- 6144 MARANEK, M. Wood preservation in France. (Cz) *Drvo* 21(1):30-32. Jan.1966. 99.82 D81
English summary.
Railway ties.
- 6145 MCCOY-HILL, M. The protection of timber from marine borer damage in East African waters. *East Afr. Agr. Forest. J.* 31(2):243-245. Oct.1965. 24 Ea74
Treatment with preservatives.
- 6146 MERRILL, W., and FRENCH, D. W. Decay in wood and wood fiber products by *Sporotrichum pruinosum*. *Mycologia* 55(4):592-596. Ref. July/Aug.1966. 450 M99
- 6147 NOVAK, L. Fungicidal coating for wood developed in Kovona factory at Karvina. (Cz) *Drvo* 21(4):131,138. Apr.1966. 99.82 D81
English summary.
- 6148 RIPA, R., and GUZMAN, P. Impregnation of insignis pine wood with cresols, copolymerizing with lignin. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:176-178. Sept.1965. 99.9 Sa531
- 6149 SCHULTZE-DEWITZ, G. Influence of sub-threshold concentrations of preservatives on wood-destroying fungi. 6 p. Transl. 14344
Coniophora cerebella and *Poria vaillantii*.
Translation from Internationales Symposium Eberswalde. Holzzerstörung durch Pilze 1962: 351-358.
- 6150 TUDHOPE, T. J. L. Progress of South Africa's wood preservation industry. *New Zeal. Timber J.* 12(10):29,31. June 1,1966. 99.81 N482
- 6151 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood finishing: discoloration of house paint by blue stain. U. S. Forest Serv. Res. Note FPL-0131, 2 p. July 1966. A99.9 F7634Un
- 6152 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood finishing: mildew on house paints. U. S. Forest Serv. Res. Note FPL-0128, 2 p. July 1966. A99.9 F7634Un
- 6153 WIDDING, K. Wood protection. (No) Norsk Skogbruk 11(9):297-300. May 1965. 99.8 N815
Impregnation.
- 6154 ZAYLSKIE, J. J. Treat fence posts for longer life. N. Dak. State Univ. Ext. Circ. A-487, 4 p. Feb.1966. 275.29 N812Sa

Lumber and Rough Products

- 6155 ACHTERBERG, W. Sawtimber quality and raw timber transportation. (Ge) *Holzindustrie* 19 (7):192-196. July 1966. 99.82 H742
- 6156 BORCHERT, N. On the special situation of log marketing in Schleswig-Holstein. (Ge) (Condensed) *Forst- Holzwirt* 21(14):308-310. July 23,1966. 99.8 F7724
- 6157 BURSIN, E. E., and RYABOVA, A. A. Comparison of costs of cubic meter of undressed lumber. (Rus) *Derevoobrabatyvayushchaya Prom.* 11:15-16. Nov.1965. 99.82 D44
- 6158 CRAIG, G. A. Are public timber buyers getting an adequate return? *Forest Indus.* 93(10):38-41. Sept.1966. 99.81 W52
- 6159 DUMITRESCU, N. S., and FUCHS, A. Planning the development of lumber industry. (Rum) *Indus. Lemnul* 17(5):170-178, map. Ref. May 1966. 99.82 N23
English summary.
- 6160 ENGLERTH, G. H., and DUNMIRE, D. E. Programming for lumber yield. *Forest Prod. J.* 16 (9):67-69. Sept.1966. 99.9 F7662J
- 6161 GERRITSEN, A. G. The forest as lumber supplier. (Du) *Ned. Bosbouw Tijdschr.* 38(4):142-148. Apr.1966. 99.8 N28
- 6162 HOLTAM, B. W. Home grown roundwood; estimated industrial requirements 1965-75 compared with potential production. *Great Brit. Forest. Comm. Forest Rec.* 52, 23 p. 1964. 99.9 G795F9
Introduction by H. M. Steven.
- 6163 KEPPLER, W. E., and THOMAS, R. J. The yield of dimension stock, instruction manual for use of yield tables. N. C. Univ. Sch. Forest. Tech. Rep. 25, 38 p. 1965. 99.9 N8182
- 6164 KOTESOVEC, V., and ZIZKA, J. Formation of long chips in the cutting of prisms. (Ge) *Holz Roh- Werkstoff* 24(8):346-353. Aug.1966. 99.81 H74
English summary.
Lumber sawing.
- 6165 MUDRICH, H. Preparation of wood specification with the IBM 1440 data processing equipment in the city of Hagen. (Ge) *Forst- Holz- wirt* 21(13):286-290. July 8,1966. 99.8 F7724
Lumber grading.
- 6166 MYSIK, O. The development and perspectives of the European lumber industry. (Cz) *Drvo* 21(4):114-119. Apr.1966. 99.82 D81
English summary.
Includes statistics.
- 6167 PETERSON, D. N. The determination of log volume errors due to methods of measurement and other defects for four important indigenous Kenyan tree species. *East Afr. Agr. Forest. J.* 31(2):125-131. Oct.1965. 24 Ea74
- 6168 PRESTEMON, D. R., DICKINSON, F. E., and DOST, W. A. Chinkapin log grades and lumber yields. *Calif. Forest. Forest Prod.* 42, 5 p. July 1965. 99.8 C123
Castanopsis chrysophylla.
- 6169 ROW, C., and FASICK, C. Weight-scaling tables by electronic computer. *Forest Prod. J.* 16(8):41-45. Aug.1966. 99.9 F7662J
For logs.
- 6170 SLOVNIK, M. Technical cooperation in lumber industry. (Sl) *Les [Ljubljana]* 18(5/7):76-81. 1966. 99.8 L564
English summary.

- 6171 SOMMERFELT, C. J. How to market lumber. (No) Norsk Skogbruk 11(9):301-302. May 1965, 99.8 N815
- 6172 SORENSEN, H. G., and SMITH, W. A. A surg-industry, Texas wood. Tex. Agr. Progr. 12 (3):4-6. Summer 1966. 100 T317e Lumber.
- 6173 TRAVERS, W. W. G. Background to the Australian timber market. 1. New Zeal. Timber J. 12(11):65-68. July 1, 1966. 99.81 N482
- 6174 VILLIERS, A. M. DE. Silvicultural, exploitation and conversion methods that affect timber quality. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:51-81. Ref. 1965. Q101.A1S62
- 6175 VISSER, J. H. Marketing of timber. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:123-133. 1965. Q101.A1S62
- Construction
- 6176 BOYD, J. D. Wood flooring practice in domestic buildings in Australia and New Zealand. Australia. Commonwealth Sci. Indus. Res. Organ. Div. Forest Prod. Reprint 642, 6 p. 1966. 99.9 Au722Re
- 6177 BRYNILDSEN, O. Modern wood constructions. (No) Norsk Skogbruk 11(9):293. (Cont.) May 1965. 99.8 N815
- 6178 BRYNILDSEN, O. Modern wood constructions. (No) Norsk Skogbruk 11(10):348-350. (Cont.) May 1965. 99.8 N815
- 6179 BRYNILDSEN, O. Sammenligning av beregningsmetoder for enkle trektakstoler. Comparison of calculation methods for wooden roof trusses. Oslo, Norsk Tretekn. Inst. Medd. 26, 3 p. 1966. 99.9 Os5M English summary.
- 6180 DREI-LANDER HOLZTAGUNG, 6, BAD WIESSEE, 1966. Abstracts of papers [of the Three-Country Wood Conference]. (Ge) Holz Roh-Werkstoff 24(7):318-323. July 1966. 99.81 H74 Theme: Wood research and building matters.
- 6181 EGNER, K., KOLB, H., and KRAUSS, F. Model test for a wood-shell roof. (Ge) Holz Roh-Werkstoff 24(8):353-362. Aug. 1966. 99.81 H74 English summary
- 6182 FOESLIE, M. Wood for construction purposes. (No) Norsk Skogbruk 11(9):292. (Cont.) May 1965. 99.8 N815
- 6183 GRANUM, H. Use of wood in the construction of houses; trends and future prospects. (No) Norsk Skogbruk 11(9):289-290. May 1965. 99.8 N815
- 6184 GROSS, H., and WIEBECKE, C. The effect of building regulations and DIN-norms on wood utilization in building matters. (Ge) Holz-Zentralbl. 92(80):1467-1468. July 6, 1966. 99.81 H742
- 6185 HOWE, W. D. Structural timber in architecture. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:135-147. 1965. Q101.A1S62
- 6186 HUBER, H. A., LINDELL, G., and SWINYARD, A. W. Homeowner attitudes on wood paneling. Forest Prod. J. 16(9):71-75. Sept. 1966. 99.9 F7662J
- 6187 HUBER, H. A., LINDELL, G., and SWINYARD, A. W. A technique for evaluating homeowner attitudes on wood paneling. Forest Prod. J. 16(9):71-75. Sept. 1966. 99.9 F7662J
- 6188 KAPLAN, S. D. Progress depends on the designer. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:151-161. 1965. Q101.A1S62 In the use of structural timber.
- 6189 LOUW, F. The finger-joint as a structural material. (Afr) S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:15-25. 1965. Q101.A1S62 English summary.
- 6190 MCALISTER, R. H. Urban rehabilitation a challenge for wood. Forest Prod. J. 16(9):58, 60-62. Sept. 1966. 99.9 F7662J Wall and floor construction.
- 6191 MORALES, A., and others. Nailed joints and connector joints of insignis pine wood as structural elements. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:69-72. Sept. 1965. 99.9 Sa531 A. Jaramillo, S. Covarrubias, and A. Mena, joint authors.
- 6192 MORALES, A., MENA, A., and COVARRUBIAS, S. Test for squared timbers of insignis pine wood with nailed joints and connector joints. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:73-74. Sept. 1965. 99.9 Sa531
- 6193 NEUSSER, H. The behavior of wood and wood composite flooring surfaces when loading small sections of the surface. (Ge) Holzforsch. Holzverwertung 18(3):47-52. Ref. June 1966. 99.9 Os72 English summary.
- 6194 PLATON, V. New constructive solutions in the manufacture of windows. (Rum) Indus. Lemnului 16(11):416-418. Nov. 1965. 99.82 In23 English summary, p.2 of supplement.
- 6195 REID, J. C. Notes on structural grading and use of timbers. New Zeal. Forest Serv. Inform. Ser. 50, 30 p. 1964, pub. 1966. 99.9 N491
- 6196 SCHAICH, E. O. Laminated parquet, an industrial product with good selling and exporting perspectives. (Sl) Les [Ljubljana] 18(4):56-60. 1966. 99.8 L564
- 6197 SCHWEGMANN, L. M. Standardization as applied to locally grown structural timber. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:107-120. 1965. Q101.A1S62
- 6198 SYMPOSIUM ON SOUTH AFRICAN STRUCTURAL TIMBERS, PRETORIA, MAY 1965. [Papers]. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:233 p. 1965. Q101.A1S62
- 6199 WOODHEAD, W. D. Exterior natural finish timber. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 331:1-4. July 1966. 99.9 Au722F
- Veneers, Plywood, and Adhesives
- 6200 ALTUKHOV, V. F. Experiment in heat treatment of veneer logs in an open log pond. (Rus) Derevoobrabatvayushchaya Prom. 11:25-27. Nov. 1965. 99.82 D44
- 6201 DORONIN, YU. G., and RAKIN, A. G. Effect of air humidity and temperature on properties of densified-laminated sheets. (Rus) Derevoobrabatvayushchaya Prom. 10:11-12. Oct. 1965. 99.82 D44
- 6202 DRYDEN, M. S. The production and marketing of laminated timber. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:215-221. 1965. Q101.A1S62
- 6203 HAFERMAN, W. Reflections on peeled veneer. (Ge) Holztechnik 46(5):214-216. May 1966. 99.82 H745 Manufacture and properties.
- 6204 HESS, J. M. A relationship of wood density surveys to plywood strength values. Symp. Density Key Wood Quality. Proc. 1965:162-168. ASD430.59
- 6205 HORVATH, L. Problems of sealing edges of veneers with special emphasis on film forming and other surface covering materials which inhibit moisture uptake. (Hu) Faipar 16(7):216-222. July 1966. 99.82 F14
- 6206 JAIN, N. C., GUPTA, R. C., and JAIN, D. K. Tar-acid formaldehyde resin-adhesive for plywood making. Paintindia 15(12):23. Mar. 1966. 306.8 P164
- 6207 JOCHEM, D. C. Rapid duplication of glue failure measuring device. Forest Prod. J. 16(10):56. Oct. 1966. 99.9 F7662J
- 6208 KALINA, M. Shear stress on plywood gussets in glued trusses. 7 p. Transl. 16126 Translation from Holz als Roh- und Werkstoff 23:394-396. Oct. 1965.
- 6209 KNEZEVIC, M. Suitability of logs for the veneers cut with rotary saws. (Se) Sumarstvo 19(1/2):3-15. Jan./Feb. 1966. 99.8 Su63 English summary.
- 6210 KOCH, C. B. Effect of compression on moisture content and sorption hysteresis of aspen plywood. Forest Prod. J. 16(10):57-60. Oct. 1966. 99.9 F7662J
- 6211 KOHLER, R. Gluing metals and wood-metals. (Sl) Les [Ljubljana] 18(1/3):32-33. 1966. 99.8 L564

- 6212 LEFTER, S. Importance of seasoning of veneers in the production of plywood of superior quality. (Rum) Indus. Lemulul 17(1):11-14. Jan.1966. 99.82 In23
English summary.
- 6213 LUTZ, J. F., and PATZER, R. A. Effects of horizontal roller-bar openings on quality of rotary-cut southern pine and yellow-poplar veneer. Forest Prod. J. 16(10):25-25. Oct. 1966. 99.9 F7662J
- 6214 MARDAN, YU. M. Ultrasonic gluing of wood. (Rus) Derevoobrabatyvayushchaya Prom. 12: 25-26. Dec.1965. 99.82 D44
- 6215 MOREN, R. Dimensional stabilisation of plywood and veneer. Wood [London] 31(8):40-42. Aug.1966. 99.82 W855
- 6216 NARAYANAMURTI, D., and others. Cashewnut shell liquid ammonia resoloids. 4 p. Ref. Transl. 16083
Used in plywood gluing.
Translation from Adhasion 9(4):172-173. 1965.
- 6217 NOREN, B., and SAARMAN, E. Shear tests on plywood. 10 p. Transl. 16163
Translation from Holz als Roh- und Werkstoff 16(1):17-22. 1958.
- 6218 ORTH, T. M. Use of wood density data by the southern pine plywood industry. Symp. Density Key Wood Quality. Proc. 1965:124-128. asD430.S9
- 6219 PETREI S., G. Use of extracts from the bark of insignis pine as adhesive material. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:99-102. Sept.1965. 99.9 Sa531
Includes discussion.
- 6220 PLUGARIU, I. Development of the technique of gluing and finishing wood. (Rum) Indus. Lemulul 17(1):7-11. Jan.1966. 99.82 In23
English summary.
- 6221 POUND, J. Some basic facts on RF heating. Wood [London] 31(8):43-45. Aug.1966. 99.82 W855
Wood gluing.
- 6222 RHUDE, M. J. Interest by the lumber-laminating industry in wood density and related strength data. Symp. Density Key Wood Quality. Proc. 1965:110-120. asD430.S9
- 6223 SAUNDERS, G. R., and OPT HOF, A. A study of the longitudinal stress-strain relationship in pure bending of a glue-laminated beam. S. Afr. Coun. Sci. Indus. Res. C.S.I.R. Symp. S 16:163-191. 1965. Q101.A1S62
- 6224 STELLER, S., and REPKA, P. Cold prepressing of plywood. (Cz) Drevo 21(4):119-122. Ref. Apr.1966. 99.82 D81
English summary.
- 6225 STERLIN, D. M. Ways of improving the efficiency of steam-heated roller driers. (Rus) Derevoobrabatyvayushchaya Prom. 12:3-7. Dec.1965. 99.82 D44
Veneer seasoning.
- 6226 TS'UI, C. C. Testing of the effect of high-temperature drying upon the physico-mechanical properties and strength of gluing of linden plywood. (Ch) Sci. Silvae 10(2):178-187. Apr. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:7. Nov.5,1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSIL.
- 6227 ZABRODIN, A. G. Synthetic glues for plywood manufacture. (Rus) Derevoobrabatyvayushchaya Prom. 12:9-12. Dec.1965. 99.82 D44
- 6228 ZIGEL'BOIM, S. N., FREIDIN, A. S., and OVES, V. I. Gluing paper overlays to wood. (Rus) Derevoobrabatyvayushchaya Prom. 11: 3-5. Nov.1965. 99.82 D44
Adhesive properties.

Containers

Pulp and Paper

- 6220 AMERICAN PULPWOOD ASSOCIATION. SOUTHWESTERN TECHNICAL DIV. Meeting held April 27-29, 1966 at New Orleans, Louisiana. Amer. Pulpwood Ass. Tech. Pap., July 1966:14-30. 99.9 Am33Te
Papers presented.
- 6231 AMERICAN PULPWOOD ASSOCIATION. SOUTHEASTERN TECHNICAL DIV. Meeting held November 18, 1965 and April 13, 1966, Atlanta, Georgia. Amer. Pulpwood Ass. Tech. Pap., July 1966:4, 6, 8-10, 12-13. 99.9 Am33Te
Selected papers presented.
- 6232 ANDERSON, R. G. Pulpwood producers' training program at high school level. Amer. Pulpwood Ass. Tech. Pap., July 1966:12-13. 99.9 Am33Te
- 6233 ARMSTRONG, D. B. Pulpwood production extension course. Amer. Pulpwood Ass. Tech. Pap., July 1966:13. 99.9 Am33Te
- 6234 ATTACK, D. Broad look at developments in production of groundwood pulp. Pap. Trade J. 150 (35):28-32. Aug.29,1966. 302.8 P196
- 6235 AUSTRALIAN AND NEW ZEALAND PULP PAPER INDUSTRY TECHNICAL ASSOCIATION. Summaries of papers presented at the 20th annual conference at Canberra. New Zealand Timber J. 12(10):72,75,78,81,85. June 1,1966. 99.81 N482
- 6236 BENTON, D. Continuous moisture measurement of sawdust and shavings. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):56A-57A. Sept. 1966. 302.8 T162
Used for groundwood pulp.
- 6237 BLANCHARD, H. C. Purchasing and handling of random length pulpwood. Amer. Pulpwood Ass. Tech. Pap., July 1966:8-9. 99.9 Am33Te
- 6238 BOLKER, H. I. Degradative reactions of lignin. Trend 8:9-11. Summer 1966. 302.8 T72
- 6239 BROMLEY, W. S. APA [American Pulpwood Association] surveys industry in Northeast. Pulpwood Prod. Saw Mill Logging 14(9):18,20, 22,24. Sept.1966. 99.81 P96
- 6240 BROMLEY, W. S. Southern pulpwood "explosion." Pulpwood Prod. Saw Mill Logging 14 (2):12,14,16,20,22,24,26. Feb.1966. 99.81 P96
- 6241 CARVALHO, J. S. DA. Quercus suber and Eucalyptus globulus, raw material for wood pulp. (Por) Port. Junta Nac. Cortica. Bol. 28(332):111-114. (Cont.) June 1966. 309.9 J96
- 6242 CHARLAND, C. T. Brazil expands wood pulp industry. Foreign Trade 126(8):15-16. Oct.15, 1966. 286.6 C162
- 6243 CHIDESTER, G. H. Fiber characteristics and paper quality from southern pine. Amer. Pulpwood Ass. Tech. Pap., July 1966:22-24. 99.9 Am33Te
- 6244 CLEMENT, J. L. Magnesium oxide recovery system; design and performance. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(8):127A-134A. Aug.1966. 302.8 T162
For spent sulfite liquor.
- 6245 CONFERENCE ON PULP AND PAPER DEVELOPMENT IN AFRICA AND THE NEAR EAST, CAIRO, 1965. Proceedings. Volume 1. Rome, Food and Agriculture Organization of the United Nations, 1966. 454 p.,map. Ref. HD9837.A1C6
- 6246 CRAVENS, B. B. Stabilized chlorine dioxide for microorganism control. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(8):53A-55A. Ref. Aug.1966. 302.8 T162
In pulp.
- 6247 DOOLITTLE, M. L. Influences of social forces on production of pulpwood. Amer. Pulpwood Ass. Tech. Pap., July 1966:4,6. 99.9 Am33Te
- 6248 DUBOIS, R. A big paper pulp factory in Africa. (Fr) Bois Forests Trop. 107:49-59,map. May/June 1966. 99.8 B632
English summary.
Processing of Pinus pulpwood.

- 6229 DORFMEISTER, J. Wood as a packing material—ever young. (Ge) Verpackingswirtschaft 13(8):2-4. Aug.1965. 280.38 V59

- 6249 FASICK, C. A., and SAMPSON, G. R. Price behavior of pine pulpwood stumpage from national forests in Mid-South: 1955-1965. *Pulpwood Prod. Saw Mill Logging* 14(3):18,20. Mar.1966. 99.81 P96
- 6250 FOWLER, R. M. Canadian pulp and paper industry in 1965. *Indian Pulp Pap.* 21(1):79,82. July 1966. 302.8 In23
- 6251 GARDNER, H. S. Pulp and paper technology at the University of Washington. *Indian Pulp Pap.* 21(1):93,95. July 1966. 302.8 In23 In the College of Forestry.
- 6252 GULDAHL, C. E. Some features of the development of the Norwegian pulp industry in the last years. (No) *Norsk Skogbruk* 11(7/8):274-276. Apr.1965. 99.8 N815
- 6253 HEERENSPERGER, B. D. The fractionated freeness test as a measure of mechanical pulp quality. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(8):94A-97A. Aug.1966. 302.8 T162
- 6254 JAYME, G., and BUTTEL, H. The determination and importance of the water retention value(WRV) of various bleached and unbleached pulps I. Literature review. (Ge) *Papier* 20(7):357-366. July 1966. 302.8 P1934 English summary.
- 6255 JONES, E. D., CAMPBELL, R. T., and NELSON, G. G. Springwood-summerwood separation of southern pine pulp to improve paper qualities. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(9):410-414. Sept.1966. 302.8 T162
- 6256 KINDLER, W., and CLARK, J. D. Rapid procedure for finding length and slenderness factors for mechanical pulps. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(8):356-359. Aug. 1966. 302.8 T162
- 6257 LEE, R. E. Producer training through vocational night school program. *Amer. Pulpwood Ass. Tech. Pap.*, July 1966:10,12. 99.9 Am33Te
- 6258 MAKONEN, H. Influence of hemicellulose composition on papermaking properties of pulp. (Sw) *Svensk Papperstidn.* 69(17):566-572. Sept.15,1966. 302.8 Sv2 English summary.
- 6259 MCFARLANE, H. M., and SERAFIN, J. F. Pulp and paper production from exotic pines—a resume. *Indian Pulp Pap.* 21(1):67,69,71-73. 75-78. July 1966. 302.8 In23
- 6260 MELO, S., R., and MADSEN, P. E. Comparison of pulp from sawmill wastes and thinnings of insignis pine. (Sp) *Santiago de Chile, Inst. Forest. Inform. Tec.* 21:75-81. Sept.1965. 99.9 Sa53I
- 6261 MELO, S., R., and DAVILA, A. J. R. Study of the penetration of sulfite liquors on a calcium or sodium base into insignis pine wood. (Sp) *Santiago de Chile, Inst. Forest. Inform. Tec.* 21:90-94. Sept.1965. 99.9 Sa53I
- 6262 MOSEBROOK, H. S. Be an effective ambassador for the pulpwood industry. *Pulpwood Prod. Saw Mill Logging* 14(7):4,32. July 1966. 99.81 P96
- 6263 NISHIMURA, H., and others. On the fine structure of native cellulose fibers. 35 p. Ref. Transl. 15551
O. Nakao, M. Suzuki, N. Migita, and T. Shimabukuro, joint authors.
Chiefly pine sulfite and linter pulp.
Translation from Society of Textile and Cellulose Industries of Japan. *Journal* 19:731-750. 1963.
Issued by CFSTI.
- 6264 NORSTEDT, I., and SAMUELSON, O. Determination of carboxyl groups in bleached wood pulps. *Svensk Papperstidn.* 69(12):417-420. Ref. June 30,1966. 302.8 Sv2
- 6265 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. *Statistiques des pates et papiers, 1965, tendances 1966; rapport statistique sur la situation du marché des pates et papiers au cours de 1965 et ses tendances en 1966 dans les pays de l'OCDE. Pulp and paper statistics, 1965, trends 1966; statistical report on the situation of the pulp and paper market in the OECD countries during 1965 and its trends in 1966. Paris, 1966. 84 p. 302.9 Or32*
Text in French and English.
- 6266 PANDE, G. C. Studies on bleaching for dissolving grade pulp from bamboo (*Dendrocalamus strictus*). II. *Indian Pulp Pap.* 20(12):703-707. June 1966. 302.8 In23
- 6267 PAZ PENA, J., and CEBALLOS G., M. E. Contribution to the study of the organic chemical composition of insignis pine. (Sp) *Santiago de Chile, Inst. Forest. Inform. Tec.* 21:94-98. Sept.1965. 99.9 Sa53I Pulpwood.
- 6268 PEEL, J. D. Applied research and training of personnel for developing pulp and paper industries in Africa and the Near East. *Conf. Pulp Pap. Develop. Afr. Near East, Proc.* 1965,v.1: 384-406. Ref. 1966. HD9837.A1C6
- 6269 POYRY, J. Some highlights on pulpwood handling. *Pap. Puu* 48(7):371-377,380. July 30, 1966. 302.8 P1991 Equipment.
- 6270 RAPSON, W. H., and ANDERSON, C. B. Dynamic bleaching, continuous movement of pulp through liquor increases bleaching rate. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(8):329-334. Aug.1966. 302.8 T162
- 6271 RUSSELL, N. A. The initial phase of the aqueous chlorination of kraft pulp meals. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(9):418-422. Ref. Sept.1966. 302.8 T162
- 6272 SHCHEGOLEV, V. P., and NIKITIN, V. M. The behaviour of sulphur in the boiling of spruce wood with sodium sulphide. 11 p. Ref. Transl. 16090
Translation from *Bumazhnaya Promyshlennost'* 7:3-7. 1964.
- 6273 SJOSTROM, E., HAGLUND, P., and JANSON, J. Quantitative determination of carbohydrates in cellulosic materials by gas-liquid chromatography. *Svensk Papperstidn.* 69(11):381-385. Ref. June 15,1966. 302.8 Sv2
- 6274 SJOSTROM, E., and ENSTROM, B. Spectrophotometric determination of the residual lignin in pulp after dissolution in cadoxen. *Svensk Papperstidn.* 69(15):469-476. Ref. Aug.15, 1966. 302.8 Sv2
- 6275 SLATIN, B. United States pulp and paper industry: supply/demand patterns. *Indian Pulp Pap.* 21(1):59,61-65. July 1966. 302.8 In23
- 6276 SPEARS, J. S. A cost appraisal of plantation pulpwood production in eastern and southern Africa. *Conf. Pulp Pap. Develop. Afr. Near East, Proc.* 1965,v.1:304-358, map. 1966. HD9837.A1C6
- 6277 SPRINGER, E. L., and ZOCH, L. L. Delignification of aspen wood with acidified aqueous solutions of sulfolane. *Svensk Papperstidn.* 69(16):513-516. Ref. Aug.31,1966. 302.8 Sv2
- 6278 SRIVASTAVA, T. N. Utilisation of hardwoods for production of paper. *Indian Pulp Pap.* 21(1):39,41,43,45. July 1966. 302.8 In23
- 6279 STROTHOFF, G., and SALGADO, I. Bleaching celluloses of insignis pine with extreme Roe numbers. (Sp) *Santiago de Chile, Inst. Forest. Inform. Tec.* 21:84-90. Sept.1965. 99.9 Sa53I
- 6280 SVENSKA CELLULOSA AKTIEBOLAGET. *Annual report 1964/65. Stockholm, 1966. 47 p. map. 99.9 Sv25*
- 6281 TAMM, J., R., and MELO, S., R. Pulp from insignis pine wood and nitric acid. (Sp) *Santiago de Chile, Inst. Forest. Inform. Tec.* 21:81-84. Sept.1965. 99.9 Sa53I
- 6282 TEOLLISUUDEN KESKUSLABORATORION, HELSINGFORS. *Annual report of the Finnish Pulp and Paper Research Institute, 1965. Helsinki, 1965. 74 p. 302.9 T26*
Includes list of publications.
- 6283 VERONA, O. Cellulose, paper and microbes. (It) *Cell. Carta* 17(7):14-21. July 1966. 302.9 En8
English summary.
In wood pulp and paper.
- 6284 WACEK, A. VON, GRABLOWITZ, O., and OBERBICHLER, W. The influence of oxygen on sulphite pulping. (Ge) *Papier* 20(7):376-380. Ref. July 1966. 302.8 P1934
English summary.

- 6285 WATSON, A. J. Some characteristics of eucalypt NSSC pulps. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(6):139-144. Ref. May 1966. 302.8 Au7
Includes discussion.
- 6286 WELLS, F. L., and STUMPF, R. W. The 60/80 fines test: a practical fractionation of mechanically refined pulps. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(8):353-356. Ref. Aug. 1966. 302.8 T162
- 6287 WENZL, H. F. J., and INGRUBER, O. V. Multistage kraft cooking and other chemical modifications. Pap. Trade J. 150(44):48-54. Ref. Oct. 31, 1966. 302.8 P196
- 6288 WENZL, H. F. J., and INGRUBER, O. V. Reaction parameters in kraft pulping. Pap. Trade J. 150(40):52-57. Ref. Oct. 3, 1966. 302.8 P196
- 6289 WENZL, H. F. J., and INGRUBER, O. V. Trends and developments in batch and continuous kraft cooking. Pap. Trade J. 150(42):63-67. Ref. Oct. 17, 1966. 302.8 P196
- 6290 WENZL, H. F., and INGRUBER, O. V. Wood structure and movement of cooking liquors in the wood during kraft pulping. Pap. Trade J. 150(36):28-31. Ref. Sept. 5, 1966. 302.8 P196
- 6291 WILSON, K. Determination of carboxyl groups in cellulose. Svensk Papperstidn. 69(11):386-390. Ref. June 15, 1966. 302.8 Sv2

Chemical Products and Distillates

- 6292 CHAN, W. R., TAYLOR, D. R., and APLIN, R. T. Odorant, an undecanoriterpenoid from *Cedrela odorata* L. Chem. Commun. 16:576-577. Aug. 24, 1966. 382 C4223
- 6293 FILIN, V. D. Chemical products industry of Transcarpathian area. (Rus) Gidrolizn. Lesokhim. Promysh. 7:18-19. 1965. 301.8 G36
- 6294 LUNDQUIST, A., and KAUTTO, T. Minor components in tall oil. I. Neutral carbonyl compounds. Acta Chem. Scand. 20(4):1166-1167. 1966. 385 Ac82
- 6295 NISL, D. Chemical aspects of tannins in relation to isolation of a mixture precursory to the red color of *Eucalyptus camaldulensis* wood. (It) Cell. Carta 17(6):18-23. Ref. June 1966. 302.9 En8
English summary.
Belonging to the pro-anthocyanidin group.
- 6296 PENSAR, G., and BRUNN, H. H. Studies on components in wood: gas chromatographic separation of methyl esters of individual resin acids. 13 p. Ref. Transl. 15554
Translation from Acta Academiae Aboensis, Ser. B, Mathematica et Physica 24(6):1-15. 1964.
Issued by CFSTI.
- 6297 PETERI S., G. Use of bark extracts of insignis pine as tanning material. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:173-176. Sept. 1965. 99.9 Sa531
- 6298 ZABZA, A., ROMANUK, M., and HEROUT, V. On terpenes. CLXXX. The structure of two muurolenes from turpentine of *Pinus sylvestris* L. Collect. Czech. Chem. Commun. 31(6):3373-3382. Ref. Aug. 1966. 385 C68

Naval Stores

- 6299 BABINSKII, S. I. Tapping pine with the help of sulfuric acid in Ukraine. (Rus) Gidrolizn. Lesokhim. Promysh. 7:20-21. 1965. 301.8 G36
- 6300 BARDYSHEV, I. I., and others. Quantitative composition of rosin acids of pine and spruce oleoresins. (Rus) Gidrolizn. Lesokhim. Promysh. 2:10-11. Ref. 1965. 301.8 G36
Kh. A. Cherches, E. A. Akinchits, and A. N. Bulgakov, joint authors.
- 6301 BLUHM S., E., and DIAZ B., F. Turpentine plantations of insignis pine. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:102-108. Sept. 1965. 99.9 Sa531
- 6302 DYSKIN, B. N., and ROMANOVSKII, G. G. Tapping of pine stands of low site class. (Rus) Gidrolizn. Lesokhim. Promysh. 7:15-16. 1965. 301.8 G36
- 6303 FEDORISHCHEV, T. I. Analysis of soluble wood tars. (Rus) Gidrolizn. Lesokhim. Promysh. 2:9-10. 1965. 301.8 G36
- 6304 GURICH, N. A., RAKITINA, M. A., and VINOGRADOVA, G. P. The utilization of larch oleoresin and rosin in various branches of the industry. (Rus) Gidrolizn. Lesokhim. Promysh. 2:15-16. 1965. 301.8 G36
- 6305 HANOVER, J. W. Environmental variation in the monoterpenes of *Pinus monticola* Dougl. Phytochemistry 5(4):713-717. July 1966. 450 P5622
Oleoresin composition.
- 6306 KOEV, D. Establishment of highly resin-producing pine stands. (Bu) Gorsko Stopanstvo 22(5):10-12. May 1966. 99.8 G682
- 6307 KROMINA, L. V., and TISHCHENKO, D. V. Chemical composition of soluble tars of different origin. (Rus) Gidrolizn. Lesokhim. Promysh. 7:9-12. Ref. 1965. 301.8 G36
Review of the literature.
- 6308 OLOVENIKOV, G. B. The new RTS-4 hack for application of chemical stimulants in resin tapping. (Rus) Gidrolizn. Lesokhim. Promysh. 2:17. 1966. 301.8 G36
- 6309 RODIN, G. YA., and TISHIN, P. V. Tapping with sulfuric acid by the two-storey method. (Rus) Gidrolizn. Lesokhim. Promysh. 2:27-28. 1965. 301.8 G36
- 6310 ROMANOVSKII, G. G., and PAPYTTIN, A. P. The resin yield of a descending face in tapping with thickened sulfuric acid. (Rus) Gidrolizn. Lesokhim. Promysh. 2:18. 1965. 301.8 G36
- 6311 STUMP, J. H., and KUBITZ, K. A. Gas chromatography probes wood naval stores chemistry. Nav. Stores Rev. Terpene Chem. 7(4):4-6, 14. July 1966. 99.81 N22
- 6312 THOMAS, B. R. The chemistry of the order Araucariales. 4. The bled resins of *Agathis australis*. Acta Chem. Scand. 20(4):1074-1081. Ref. 1966. 385 Ac82
- 6313 VASIL'EV, A. E. The ageing of resin ducts and its importance in tree tapping. (Rus) Les. Zh. 6:158-161. 1964. 99.8 Iz8
Picea excelsa.

Other Forest Products

- 6314 BEYLEVELD, A. J. Control of production and marketing of wattle bark. Agrekon 5(3):5-7. July 1966. 281.8 Ag835
Acacia decurrens mollis in Republic of South Africa.
- 6315 CHUPRIN, V. I. Sawing fiberboard with circular saws. (Rus) Les. Zh. 6:116-124. 1964. 99.8 Iz8
- 6316 DEPPE, H. J., and ERNST, K. Investigations on the durability of gluing with carbamide and phenolic resins for wood particleboard. (Ge) Holz Roh- Werkstoff 24(7):285-290. July 1966. 99.81 H74
English summary.
- 6317 DUMITRESCU, N. S., and BADANOIU, G. Quality of willow wood from the Danube River riparian and delta areas and its utilization in the manufacture of particle boards. (Rum) Indus. Lemulul 17(5):184-186. May 1966. 99.82 In23
English summary.
- 6318 ELEKES, L., and TUSA, G. Complex evaluation of economy of traditional wood substitution. (Hu) Faipar 16(7):197-204. (Cont.) July 1966. 99.82 F14
Utilization of fiberboard, particle board and wood chips by various industries in the world.
- 6319 FICKLER, H. H., and LUNDMARK, L. E. Experience gathered on cation-active wax dispersions in fibre and particleboard mills. (Ge) Holz Roh- Werkstoff 24(7):290-294. July 1966. 99.81 H74
English summary.
- 6320 FRAIS, J. New ways for measuring and sorting particle board. (Ge) Holzindustrie 19(7):190-191. July 1966. 99.82 H742

- 6321 FUCHS, A. Utilization of beech wood in the manufacture of fiberboards and particle boards. (Rum) Indus, Lennulul 17(5):179-183, May 1966. 99.82 In23
English summary.
- 6322 HAVLICEK, V., and BARTA, Z. The effect of the type of hardener on the reaction of urea adhesives with various molar ratio. (Cz) Drevo 21(6):202-204, June 1966. 99.82 D81
English summary, p.2 of supplement.
Fiberboard.
- 6323 HORSKY, A. Tourist skis. (Cz) Drevo 21(4):129-130, Apr.1966. 99.82 D81
English summary.
- 6324 KARTASES, I. Possibilities for the use of sawdust in industry. (Gre) Dassika Chron. 8 (72/93):277-289, June/July 1966. 99.8 D263
- 6325 KEHR, E. On the improvement of particle-board surfaces. (Ge) Holz Roh- Werkstoff 24 (7):295-305, Ref. July 1966. 99.81 H74
English summary.
- 6326 LENIC, J. Improved fiber and particle boards and methods for testing their quality. (Sl) Les [Ljubljana] 18(1/3):34-36. 1966. 99.8 L564
- 6327 LUNDGREN, S. A. Does the bending test of wood fiberboards produce correct values? A critical consideration. 5 p. Transl. 16164
Translation from *Holzforschung und Holzverwertung* 11(4):86-88, 1959.
- 6328 MAY, H. A., and STEGMANN, G. Measures of control of raw material yield in particle board manufacture. I. (Ge) Holz Roh- Werkstoff 24 (7):305-311, Ref. July 1966. 99.81 H74
English summary.
- 6329 MEDEIROS, H. DE. A problem of insulation and rendering impermeable; a technical solution based on black corkboard. (Por) Port. Junta Nac. Cortica. Bol. 28(351):95-99, May 1966. 309.9 J96
- 6330 MIKOLAS, D. New products from fiberboards. (Cz) Drevo 21(6):198-200, June 1966. 99.82 D81
English summary, p.2 of supplement.
For building construction.
- 6331 MORKVED, K. Chipboard; increased use and manifold use of the boards. (No) Norsk Skogbruk 11(9):308-310, May 1965. 99.8 N815
Its use in building construction and furniture industry.
- 6332 NEDBAL, F. New testing and quality regulations for waterproof particle boards. (Cz) Drevo 21(1):11-13, Jan.1966. 99.82 D81
English summary.
- 6333 NEUSSER, V. H., KRAMES, U., and HADINGER, K. The response of particle board to moisture with special regard to swelling. 37 p. Ref. Transl. 16167
Translation from *Holzforschung und Holzverwertung* 17(4):57-69, 1965.
- 6334 PAPWORTH, R. L., and ERICKSON, J. R. Power requirements for producing wood chips. *Forest Prod. J.* 16(10):31-36, Oct.1966. 99.9 F7662J
- 6335 RACKWITZ, G. Influence of chip dimensions on some properties of wood particle boards. 16 p. Transl. 16088
Translation from *Holz als Roh und Werkstoff* 21(6):200-209, June 1965
- 6336 RACKWITZ, G., and OBERMAIER, M. Sifting of wood particles. I. Fundamentals of sifting and sifting in a horizontal air-flow. 29 p. Transl. 16214
Translation from *Holz als Roh- und Werkstoff* 20(1):27-38, 1962.
- 6337 REPCIN, J. Wood of lower quality as raw materials in the manufacture of fiberboards. (Cz) Drevo 21(6):195-197, June 1966. 99.82 D81
English summary p.2 of supplement.
- 6338 SCHMIDT, H. Interactions between the time of pressure and other variables in the process of manufacturing particle board panels. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:178-180, Sept.1965. 99.9 S4531
- 6339 SOULE, E. L., and HENDRICKSON, H. E. Bark fiber as a reinforcing agent for plastics. *Forest Prod. J.* 16(8):17-22, Aug.1966. 99.9 F7662J
- 6340 STARYKH, A. M., and KOVAL', V. O. Manufacture of extruded particle boards from aspen wood. (Rus) Derevoobrabatvyayushchaya Prom. 12:20-22, Dec.1965. 99.82 D44
- 6341 SUBBOTINA, A. A., NIKOLAEVA, I. F., and VOLODKO, E. S. Manufacture of articles from sawdust without using binders. (Rus) Derevoobratyvyayushchaya Prom. 10:9-10, Oct.1965. 99.82 D44
- 6342 TOTH, K. Gluing problems in particle board manufacture. (Hu) Faipar 16(8):239-242, Aug.1966. 99.82 F14
- 6343 VAL'SHCHIKOV, N. M., and FADIN, P. L. Drum chipper, MRP-800. (Rus) Gidrolizn. Lesokhim. Promysh. 7:23-25, 1965. 301.8 G36
- 6344 YUSUPOVA, Z. A., and PETRI, V. N. Hot-pressed sheets made of pine chips blended with larch gum. (Rus) Derevoobratyvyayushchaya Prom. 12:15-17, Dec.1965. 99.82 D44
- 6345 ZAVRAZHNOV, A. M. The shape of wood particles for extruded boards. (Rus) Derevoobratyvyayushchaya Prom. 12:13-15, Dec.1965. 99.82 D44
Particle boards.
- 6346 ZHUKOV, V. P. Effect of density of particle boards on their variability in thickness. (Rus) Derevoobratyvyayushchaya Prom. 11:12-14, Nov.1965. 99.82 D44

SILVICULTURE

- 6347 AKADEMIYA NAUK SSSR, LABORATORIYA LESOVEDENIYA. Iskusstvennye nasazhdeniya i ikh vodnyi rezhim v zone kashanoykh pochv [Artificial stands and their water regime in the zone of the Chestnut soils]. Moskva, Nauka, 1966. 314 p.,map. Ref. SD425.A35
- 6348 AKOS, L. It removes the stump. (Hu) Mezo-dazdasagi Tech. 6(7):15, 1966. 58.8 M572
Equipment.
- 6349 ALEXANDER, R. R. Establishment of lodge-pole pine [Pinus contorta] reproduction after different slash disposal treatments. U. S. Forest Serv. Res. Note RM 62,4 p. May 1966. A99.9 F7632Us
Chiefly by prescribed burning in Rocky Mountains.
- 6350 ALEXANDRESCU, P. Introduction of statistical balance in the silviculture. (Rum) Rev. Statist. 15(6):70-79, June 1966. 267.8 St22
Statistical research method.
- 6351 ANDERSON, C. Some factors influencing the growing and exploitation of trees for sawlog production. S. Afr. Coun. Sci. Indus. Res. C.S.I.R. Symp. S 16:223-233, 1965. Q101.A1862
Especially pines.
- 6352 BABIKOV, B. V. Water regime of drained peat soils and its effect on growth of pine plantations. (Rus) Les. Zh. 6:32-36, 1964. 99.8 I28
- 6353 BELTRAM, V. The pruning of forest trees. (Sl) Gozdarski Vest. 23(9/10):289-298, Ref. 1965. 99.8 G74
- 6354 BENNETT, F. A. Natural stand versus plantation management in southern pine. Amer. Pulpwood Ass. Tech. Pap. July 1966:18-21, 99.9 Am33Te
- 6355 BIALOBIK, S. Conservation of natural forest populations in Poland. Sumarski List 90(1/2):76-87, map, Jan./Feb.1966. 99.8 Su6
- 6356 BOULLARD, B., and DOMINIK, T. Study of the ectotrophic mycorrhiza constituted by the forest species in Margaride; importance of these associations for the reforestation of the Lozere wastelands. (Fr) J. Agr. Trop. Bot. Appl. 13(4/5):183-206, Apr./May 1966. 26 J822
- 6357 BOYCE, A. R. Intensive pole production. Soil Water 2(4):15-16, June 1966. 56.8 So323
Culture.
- 6358 BURSHEL, P. Investigations on beech mast years. (Ge) Forstwiss. Centralbl. 85(7/8):204-219, Ref. July/Aug.1966. 99.8 F775
English summary.

- 6359 CARDENAS, A. Memorandum on public opinion on a theme of national interest: the Sierra Nevada de Santa Marta, forest reservation. (Sp) Agr. Trop. 22(7):366-367. July 1966. 26 Ag8
- 6360 CIRIC, M. Forest soils of *Pinus nigra* stands in Bosnia and their productive value. (Se) Nar. Sumar 19(11/12):389-398. Ref. Nov./Dec.1965. 99.8 N16
German summary.
- 6361 CLARY, W. P., FFOILLIOTT, P. F., and ZANDER, A. D. Grouping sites by soil management areas and topography. U. S. Forest Serv. Res. Note RM 60,4 p. Ref. Apr.1966. A99.9 F7632Us
Arizona.
- 6362 CUSHWA, C. T., BRENDER, E. V., and COOPER, R. W. The response of herbaceous vegetation to prescribed burning. U. S. Forest Serv. Res. Note SE-53,2 p. Apr.1966. A99.9 F7632Un
Georgia.
- 6363 DAVEY, T. Data on moisture of forest soils. (Bu) Gorskostopanska Nauk. 3(2):131-139. Ref. 1966. 99.8 G683
German summary.
- 6364 DANKS HEDESELSKAB. Annual report of the Danish Heath Association. (Da) Hedeselsk. Tidsskr. 87(9):236-274, map. July 15, 1966. 11 H35
Silviculture.
- 6365 DZHENKOV, I. The experience of the Silistra forest enterprise in the growing of young linden plantations. (Bu) Gorsko Stopanstvo 22(5):33-36. May 1966. 99.8 G682
- 6366 FRY, G. *Pinus radiata*—growth and thinning proposals for Kenya. East Afr. Agr. Forest. J. 31(1):117-122. July 1965. 24 Ea74
- 6367 GODDARD, R. E., and COLE, D. E. Variation in wood production of six-year-old progenies of select slash pines. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(8):359-362, map. Aug. 1966. 302.8 T162
- 6368 GRABENSTEDT, F. Conifer in understory. (Ge) Forst- Holzwirt 21(13):285-286. July 8, 1966. 99.8 F7724
- 6369 HANSBROUGH, T., MERRIFIELD, R. G., and FOIL, R. R. Site preparation: key to regeneration of pine stands. La. Agr. 9(4):8-9. Summer 1966. 100 L939
- 6370 HANZL, D., and VUCETIC, V. The introduction of conifers into the deciduous forests of Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 474:1-21. Sept.14, 1966. (JPRS 37,615; TT 66-34043) 173 J663Ste
Cultural methods.
Translation from Sumarski List 5/6:310-322. May/June 1966.
Issued by CFSTI.
- 6371 HELLM, A. K., and ZAHNER, R. The frond size of bracken fern [*Pteridium aquilinum* var. *latiusculum* L. Kuhn] on forested outwash sand in northern Lower Michigan. Soil Sci. Soc. Amer. Proc. 30(4):520-524. July/Aug.1966. 56.9 So3
Site indicator.
- 6372 HOVNIK, F. New plantations of broadleaved trees and intensive culture of conifers in Styria. (Sl) Soc. Kmetijstvo Gozdarstvo 16(15):373-374. Oct.28, 1965. 21.5 So14
Chiefly the culture of poplars.
- 6373 HOYLE, M. C. Forest soil in the White Mountains; a look at the forest floor. Forest Notes 90:3-9. Summer 1966. 99.8 F7691
- 6374 HUGHES, J. F. A long-term plan for conversion to monocyclic working in the Central Forest Reserves of South Mengo District, Buganda Province, Uganda. East Afr. Agr. Forest. J. 31(1):91-99. July 1965. 24 Ea74
- 6375 HUGHES, J. F., and LANG-BROWN, J. R. The planning and organization of current silvicultural treatments in the Central Forest Reserves of South Mengo District, Buganda Province, Uganda. East Afr. Agr. Forest. J. 31(1):109-116. July 1965. 24 Ea74
For conversion to monocyclic working.
- 6376 IL'IN, A. M. Injection of the butyl ester of 2,4-D for efficient control of natural regeneration of aspen. (Rus) Les. Zh. 6:41-43. 1964. 99.8 I28
- 6377 JERVEN, O. Forest drainage. (No) Norsk Skogbruk 11(7/8):249. Apr.1965. 99.8 N815
- 6378 JEVITIC, M. Some aspects of the silviculture in the Belgian Ardennes. (Se) Sumarstvo 19(3/5):43-53. Mar./May 1966. 99.8 Su63
- 6379 KEEFE, J. The Conservation Commission communicates. Mo. Log 18:34-36. 1965. 99.8 M696
- 6380 LAIHO, O. Further studies on the ectendotrophic mycorrhiza. Acta Forest. Fenn. 79(3), 35 p. Ref. 1966. 99.9 F492
Forest trees.
- 6381 LEIBER, L. Aspects of silviculture in Germany since 1900. (Ge) Allg. Forst- Jagdzeitung 137(8):169-188. Ref. Aug.1966. 99.8 AL3
English summary.
- 6382 LYON, A. B., and MCCORMICK, L. E. Shaping Christmas trees for quality. Va. Polytech. Inst. Ext. Leaflet. 286,2 p. May 1966. 275.29 V81L
- 6383 MCDONALD, P. M., and SCHIMKE, H. E. A broadcast burn in second-growth clearcuttings in the north central Sierra Nevada. U. S. Forest Serv. Res. Note PSW-99,6 p. 1966. A99.9 F7652
- 6384 MEADE, F. M., and MCDANIEL, A. T. Shearing Scotch pine for Christmas trees. Ark. Farm Res. 15(4):8. July/Aug.1966. 100 Ar42F
- 6385 MIKOLA, P. Studies on the ectendotrophic mycorrhiza of pine. Acta Forest. Fenn. 79(2), 56 p. Ref. 1966. 99.9 F492
- 6386 MORRIS, W. G. Guidelines offered for slash burning. Forest Indus. 93(10):62-63. Sept. 1966. 99.8 W52
- 6387 NECHAEV, A. P. The regions of introduction and cultivation of *Phellodendron amurense* Rupr. in the U.S.S.R. (Rus) Rastitel. Resursy 14(4):512-520. Ref. 1965. 450 R18
- 6388 NORTH AMERICAN FOREST SOILS CONFERENCE. 2. OREGON STATE UNIVERSITY, 1963. Forest-soil relationships in North America; papers presented. N. Amer. Forest Soils Conf. Forest-Soil Relat. N. Amer. Pap. 1963,532 p., map. Ref. 1965. SD118.N6
- 6389 ONIS'KIV, N. I. Possibility of creating spruce plantations with planting stock of various ages, and growing them without soil cultivation in forest areas of Carpathians. (Rus) Les. Zh. 6:22-24. 1964. 99.8 I28
- 6390 ORR, T. J. Some uses, abuses, and potential uses of the soil-vegetation concept. N. Amer. Forest Soils Conf. Forest-Soil Relat. N. Amer. Pap. 1963:495-501. Ref. 1965. SD118.N6
Soil-vegetation survey in the management of ponderosa pine in Oregon.
- 6391 PAA, N. F., and GERARDO, J. A. Silvical characteristics of kalantas (*Toona calantas* Merr. & Rolfe). Philippines. Bur. Forest. Silvical Leaflet. 9,14 p. Ref. Mar.1966. 99.9 P54
- 6392 PANDARSKI, B. Growing of young coniferous plantations. (Bu) Gorsko Stopanstvo 22(6):18-21. June 1966. 99.8 G682
- 6393 PAUL, H. Silviculture and wood harvesting. (Ge) Forstarchiv 37(8):177-180. Aug.1966. 99.8 F7723
- 6394 PETKOV, P. D., and others. Forest types and forest management of experimental plot Govedartsit of the Samokov enterprise. (Bu) Gorskostopanska Nauk. 3(2):87-111. Ref. 1966. 99.8 G683
N. Penev, M. Marinov, S. Nedyalkov, Z. Naumov, D. Garelkov, and G. Antonov, joint authors.
French summary.
- 6395 PHILIP, M. S. The management of tropical high forest (with special reference to the introduction of monocyclic felling in Uganda). East Afr. Agr. Forest. J. 31(1):100-108. July 1965. 24 Ea74

- 6396 PLAISANCE, G. Les sols a marbrures de la foret de Chaux (Jura) [The mottled soils in the forest of Chaux (Jura)]. Nancy. Ecole Nat. Eaux Forests. Ann. 22(4):437-679, map. Oct./Dec. 1965. 99.9 F845
English summary.
Silvicultural applications.
- 6397 RAETS, G. H. Preliminary information on the culture of *Tectona grandis* L.f. in the Barinatas station. (Sp) Inst. Forest. Latinoamer. Invest. Capacitacion. Bol. 18:29-40. Ref. Aug. 1965. 99.9 In7B
English summary.
- 6398 REYNOLDS, H. G. Slash cleanup in a ponderosa pine [*Pinus ponderosa*] forest affects use by deer and cattle. U. S. Forest Serv. Res. Note RM 64, 3 p. May 1966. A99.9 F7632Us Arizona.
- 6399 ROMANCIER, R. M. How to use chemicals to kill brush and trees. Crops Soils 18(9):10-13. Aug./Sept. 1966. 6 W55
- 6400 SAUERWEIN, W. J. Developing soil survey interpretations with a large forest landowner. N. Amer. Forest Soils Conf. Forest-Soil Relat. N. Amer. Pap. 1963:441-455, map. Ref. 1965. SD118.N6
- 6401 SHATALOV, V. G. Poplar culture on the floodplain of the middle Don. (Rus) Les. Zh. 6:29-31. 1964. 99.8 I28
- 6402 SHIH, H. H. Preliminary study on the growth of *Pinus elliptica* in Kian, Kiangsi. (Ch) Sci. Silvae 10(2):132-139. Apr. 1965. 99.8 L632
Culture.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:4. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 6403 STEFELS, C. J. Forests and nature protection. (Du) Ned. Bosbouw Tijdschr. 38(4):161-167. Apr. 1966. 99.8 N28
- 6404 SVETLICIC, A. Problems of the harmonious development of silviculture and logging in Slovenia. (Sl) Les [Ljubljana] 17(9/10):130-139. 1965. 99.8 L564
English summary, p.2 of supplement.
- 6405 TARIEL, J. Teak in the Ivory Coast. (Fr) Bois Forests Trop. 107:27-47. Ref. May/June 1966. 99.8 B632
English summary.
Includes culture and growth.
- 6406 TODOROV, T. I. Results of introduction of motor-driven brush cutter. (Bu) Gorsko Stopenstvo 22(5):36-38. May 1966. 99.8 G682
- 6407 WYND, W. R. Stand changes following commercial clearcutting in northern hardwoods; a case study. Mich. Technol. Univ. Ford Forest. Center. Bull. 12, 6 p. 1965. 99.9 M5892
- 6408 ZIEGLER, H. Once again on selection forest problem. (Ge) Centralbl. Gesamte Forstwesen 83(2):108-113. Ref. June 1966. 99.8 C33
- Regeneration
- 6409 AKSOY, H., and WEBER, E. Investigations for evaluating young plants of various coniferous species. (Ge) Forstwiss. Centralbl. 85(7/8): 219-245. Ref. July/Aug. 1966. 99.8 F775
Provenance studies in relation to improvement.
- 6410 ANDERSSON, E. The selection of plus trees in Sweden. Sumarski List 90(1/2):21-40. Ref. Jan./Feb. 1966. 99.8 Su6
- 6411 ASHBY, W. C., BAKER, M. B., and CASTEEL, J. B. Forest cover changes in strip mine plantations. Tree Planters' Notes 76:17-20. Apr. 1966. 1.962 CST71
Underplanted hardwoods in Illinois.
- 6412 ASSOCIATION SYLVO-PASTORALE TARNAISE. Note on community reforestation. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.) 15:327-328. 1964/65, pub. 1966. 281.9 Ec7
- 6413 AZNIEV, YU. N. Biological method of assessing yields of pine stands. (Rus) Les. Zh. 6: 19-21. 1964. 99.8 I28
Scots pine seeds.
- 6414 BARNETT, J. P., and MCLEMORE, B. F. Sand pine cones and seed. Tree Planters' Notes 76:15-16. Apr. 1966. 1.962 CST71
Florida.
- 6415 BILAN, M. V. Natural hybridization between loblolly [*Pinus taeda* L.] and shortleaf pines [*Pinus echinata* MILL.] in East Texas. Sumarski List 90(1/2):123-125. Jan./Feb. 1966. 99.8 Su6
Text also in Serbo-Croatian, p.124-125.
- 6416 BUTT, R. A. Trials of species for timber planting in the savanna woodland zone of North Uganda. East Afr. Agr. Forest. J. 31(1):54-82. July 1965. 24 Ea74
- 6417 CHAO, T. C. Selection of chief species for establishment of field-protective plantings in the North China region. (Ch) Sci. Silvae 10(2):148-159. Apr. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:5. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 6418 CHAPMAN, W. L. Methods of establishing and re-establishing forest plantations. Amer. Pulpwood Ass. Tech. Pap., July 1966:17-18. 99.9 Am33Te
- 6419 CLIFFORD, E. D., and MASSELLLO, J. W. Effect of soil fumigants on seedling development. Tree Planters' Notes 76:9-12. Apr. 1966. 1.962 CST71
Forest nurseries in Michigan.
- 6420 FROELICH, H. J. Poplar breeding and culture. (Ge) Forst- Holzwirt 21(12):273-277. June 23, 1966. 99.8 F7724
- 6421 GOHRN, V. Provenance trials with Norway spruce (*Picea abies* (L.) Karst.). Results of Danish trials beside excerpts from earlier published results of the International trial series of 1938. (Da) Denmark. Forstl. Forsogskomm. Forstl. Forsogsv. Denmark 29(4): 312-437. Ref. 1966. 99.9 D41
German summary.
- 6422 HARTIGAN, D. T. Simplified planting technique for *Pinus* [radiata] species. Tree Planters' Notes 76:2-4. Apr. 1966. 1.962 CST71
Use of foam plastic in Australia.
- 6423 HSIN-YANG AGRICULTURAL EXPERIMENTAL STATION. Experience in planting forests on saline and alkaline soils for the protection of agricultural fields. (Ch) Scientia Silvae 10(3): 209-213. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:2-3. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 6424 HUNG SUNG KENG HSIN T'IAO CH'IA YEN CHIU TSU. A survey report on the artificial regeneration of *Pinus koraiensis* of Tai-ling. (Ch) Sci. Silvae 10(2):115-122. Apr. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:2. Nov. 5, 1965. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 6425 JURHAI, F. Unutilized possibilities for the increase of forest production. (Sl) Soc. Kmetijstvo Gozdarstvo 17(6):137-139. Apr. 25, 1966. 21.5 Sol4
Reforestation.
- 6426 KIZENKOV, V. E. Aerial sowing of spruce on a three-year-old burn in the Archangel Region. (Rus) Les. Zh. 6:25-28. Ref. 1964. 99.8 I28
- 6427 KORMANIK, P. P., STEINBECK, K., and BROWN, C. L. A new variety of sweetgum [*Liquidambar styraciflua*]. U. S. Forest Serv. Res. Note SE-55, 2 p. Apr. 1966. A99.9 F7623Un
Georgia.
- 6428 KRSTINIC, A. Interspecific hybrids between white willow (*Salix alba* L.) and crack willow (*Salix fragilis* L.). Sumarski List 90(1/2):133-136. Jan./Feb. 1966. 99.8 Su6
- 6429 LANGDON, O. G., and LEGRANDE, W. P. Rodent depredation—a direct seeding problem. AT-FA (Amer. Turfgrain Farmers Ass. J.) 27(7):9. Apr. 1965. 309.8 Am3
Loblolly pine.

- 6430 LEMAN, V. M. Plantation of seedlings of wood species under electric illumination. 10 p. Ref. (OTS 63-11034) Transl. 14331
Translation from Akademiya Nauk SSSR. Institut Fiziologii Rastenii im. K. A. Timiryazeva. Trudy 10:91-100. 1955.
CFSTI: \$0.50.
- 6431 LEUCHARS, D. The planning and practice of trials of exotic species. East Afr. Agr. Forest. J. 31(1):83-90. Ref. July 1965.
24 Ea74
Afforestation in Uganda.
- 6432 LUKETA, P. Motor borer for planting tree seedlings. (Se) Nar. Sumar 20(5/6):211-215. May/June 1966. 99.8 N16
- 6433 MARION, J. Starting a stand of conifers; a method of evaluating its vigor; practical applications. (Fr) Rev. Forest. Franc. 5:314-327. May 1966. 99.8 R329
Reforestation with spruce.
- 6434 MKLAVZIC, J. Reforestation of the moors of Bela krajina. (Sl) Ljubljana. Inst. Gozdno Lesno Gosp. Sloven. Zb. 4:1-87, map. Ref. 1965. 99.9 L76
German summary.
- 6435 MOEN, H. The regeneration work considered in relation to the program of the Investment Committee. (No) Norsk Skogbruk 11(7/8):235-236. Apr. 1965. 99.8 N815
- 6436 MORROW, R. R., HAMILTON, L. S., and WINCH, F. E. Planting forest trees in rural New York. Cornell Univ. Ext. Cornell Ext. Bull. 1161, rev., 31 p. June 1966. 275.29 N48E
- 6437 NICOTA, B., and MARIC, B. The achievements of forest genetics and selection in Yugoslavia. (Se) Sumarski List 90(1/2):149-182. Jan./Feb. 1966. 99.8 Su6
Text also in English, p.161-172.
Bibliography, p.177-182.
- 6438 POPOV, V. YA., and VOICHAL', P. I. Growth of pine plantations from Irkutsk seeds in the south of Archangel Region. (Rus) Les. Zh. 6: 12-15. 1964. 99.8 I28
- 6439 ROJAS M., P. Generalities and recommendations on reforestation in the northeast of Mexico. (Sp) Agronomia [Monterrey] 104:2-7, map. Jan. 1966. 8 Ag828
- 6440 RUEHLE, J. L., MAY, J. T., and ROWAN, S. J. Nursery fumigation trial with Vorlex. Tree Planters' Notes 76:4-7. Apr. 1966.
1.962 C5T71
Soil fumigation test in Georgia forest nursery.
- 6441 SNYDER, E. B., and SQUILLACE, A. E. Cone and seed yields from controlled breeding of southern pines. U. S. Forest Serv. Res. Paper SO-22, 7 p. 1966. A99.9 F7628Us
Controlled pollination in the South.
- 6442 STECKI, Z. The influence of parental affinity on the degree of heterosis in poplar hybrids. Sumarski List 90(1/2):126-132. Ref. Jan./Feb. 1966. 99.8 Su6
- 6443 STEVENSON, G. Direct seeding machine. Tree Planters' Notes 76:1-2. Apr. 1966.
1.962 C5T71
Southern pine.
- 6444 TABOR, C. A., and DAVEY, C. B. Clay-suspension root-coating as antidesiccants and rhizospheric nutrient sources. Soil Sci. Soc. Amer. Proc. 30(4):516-520. July/Aug. 1966. 56.9 So3
Pinus taeda.
- 6445 T'ANG, C. J. Planning of field-safeguarding foresting in the North China region. (Ch) Sci. Silvae 10(2):140-147. Apr. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:11. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 6446 TASHKOV, K., and SHUNIN, V. Possibilities of afforestation with Ailanthus in Novi Pazar forest enterprise. (Bu) Gorsko Stopanstvo 22(6):22-24. June 1966. 99.8 G682
- 6447 TOPALOVIC, M. Low volume of silvicultural activity during the last two years. (Se) Sumarski List 90(3/5):35-40. Mar./May 1966. 99.8 Su63
Chiefly reforestation.
- 6448 TROEN, I. Can reforestation afford to wait for the new generation? (No) Norsk Skogbruk 11(7/8):247-248. Apr. 1965. 99.8 N815
- 6449 VIDAKOVIC, M. The occurrence and meaning of heterosis in hybrids within and between species. Sumarski List 90(1/2):105-122. Ref. Jan./Feb. 1966. 99.8 Su6
Text also in Serbo-Croatian, p.114-120.
- 6450 VIDAKOVIC, M. Selection of plus trees. Sumarski List 90(1/2):7-20. Ref. Jan./Feb. 1966. 99.8 Su6
Text also in Serbo-Croatian, p.13-18.
Includes seed orchards.
- 6451 WHITE, K. J. Guide to the choice of trees, shrubs and creepers in Port Moresby. Papua New Guinea, Dep. Forests, Bull. 2, 22 p. June 1966. 99.9 P1922
Planting aspects.
- 6452 ZAYLSKIE, J. J. Trees for livestock protection. N. Dak. State Univ. Ext. Circ. A-491, 2 p. Apr. 1966. 275.29 N812Sa
Planting windbreaks.
- 6453 ZOZULIN, G. M. The experience of introduction of Quercus pedunculata Ehrh., by direct seeding, into various plant communities of the forest-steppe subzone. (Rus) Bot. Zhur. [Moscow] 51(2):273-277. Feb. 1966. 451 R923
- 6454 ZUFA, L., and ZIVANOV, N. Indices of the importance and specificity of relations between the soil type and the clones of poplar. (Se) Sumarski List 90(1/2):137-148. Jan./Feb. 1966. 99.8 Su6
French summary.

WOOD TECHNOLOGY

- 6455 ALBALA A., H. Mechanical and associated properties of Monterey pine [Pinus radiata]. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:59-68. Ref. Sept. 1965. 99.9 Sa531
- 6456 ANDERSON, E. A. Progress in wood density research at the schools. Symp. Density Key Wood Quality. Proc. 1965:65-88. aSd430.S9
Bibliography, p.84-88.
- 6457 ANDERSSON, B., and SAMUELSON, O. Penetration of electrolytes in cellulose fibers. I. 20 p. Ref. Transl. 16209
Translation from Svensk Papperstidning 61(23):1001-1009. Dec. 15, 1958.
- 6458 BLUMH S., E., ROSENDE B., R., and KAUMAN J., W. G. Determination of the equilibrium moisture content of wood in all the climatic zones of Chile. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:136-143, map. Sept. 1965. 99.9 Sa531
Includes discussion.
- 6459 BORTNIAK, J. P. Wood identification in the forensic field. Annu. Ring 1966:23-25. 99.8 An74
- 6460 BRISTER, G. H., and FRY, G. Kenya pine timber—structure and strength. East Afr. Agr. Forest. J. 31(3):343-348. Jan. 1966. 24 Ea74
Pinus radiata and P. patula.
- 6461 BRUN BOLTE, R. The influence of growth on the structure of the wood of Oregon pine [Pseudotsuga menziesii]. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:50-55. Sept. 1965. 99.9 Sa531
- 6462 BRYANT, P. A. V. The mechanical properties of S.A. timber for use in structures with special reference to roof trusses. S. Afr. Counc. Sci. Indus. Res. C.S.I.R. Symp. S 16:1-14. Ref. 1965. Q101.A1S62
- 6463 CAVE, I. D. Theory of X-ray measurement of microfibril angle in wood. Forest Prod. J. 16(10):37-42. Oct. 1966. 99.9 F7662J
- 6464 CHRISTOPH, N. Untersuchungen über die thermische Stabilität nativer hochpolymerer Werkstoffe und ihre relevanten physikalischen Observablen; Beitrag zur Entwicklung neuer Prüfverfahren für die Thermostabilität von Holz [Investigations on the thermal stability of native high polymer wood and on its relevant physical observables; contribution to the development of new testing experiments for the thermal stability of wood]. Bundesforschungsanst. Forst-Holzwirtsch. Mitt. 62, 118 p. June 1966. 99.9 R273
Bibliography, p.111-118.

- 6465 CHUNG KUO K'O HSUEH YUAN, LIN YEH T'U JANG YEN CHIU SO. Tung pei ching chi mu ts'ai chih [Economic Timber of Manchuria]. Peking, K'o Hsueh Ch'u Pan She, 1966. 226 p. Ref. SD514.M3C5
Chiefly properties and uses.
- 6466 COLLOQUIUM ON WOOD TECHNOLOGY, 2, BRUNSWICK, 1966. [Proceedings] (Ge) Holz Roh- Werkstoff 24(8):365-372. Aug. 1966. 99.8 H74
Abstracts of papers.
- 6467 COTE, W. A., SIMSON, B. W., and TIMELL, T. E. Studies on compression wood. 2. The chemical composition of wood and bark from normal and compression regions of fifteen species of gymnosperms. Svensk Papperstidn. 69(17):547-558. Ref. Sept. 15, 1966. 302.8 Sv2
- 6468 CUNDERLIK, O., and KOLEJAK, M. Thermal treatment of frozen wood before its reduction. (Cz) Drewny Vyskum 1:49-60. Ref. 1966. 99.82 D812
English summary.
Effect on quality.
- 6469 DEBAISE, G. R., PORTER, A. W., and PEN-TONEY, R. E. Morphology and mechanics of wood fracture. Mater. Res. Stud. 6(10):493-499. Oct. 1966. 290.8 M41
- 6470 DONNELLY, B. J., DONNELLY, D. M. X., and O'SULLIVAN, A. M. Dalbergia species: constitution of melanin. Chem. Indus. 35:1498. Aug. 27, 1966. 382 M31C
In heartwood of Dalbergia baroni and D. melanoxylon.
- 6471 EICKE, R., and EHLING, E. The development of the young tracheids in the wood of Ginkgo biloba L. (Ge) Deut. Bot. Ges. Ber. 78(8):326-337. Ref. 1965. 451 D48
- 6472 ENGLERTH, G. H. Framework of qualitative relationships in wood utilization. Symp. Density Key Wood Quality. Proc. 1965:144-148. aSD430.S9
- 6473 HAYGREEN, J. G., and WANG, S. S. Some mechanical properties of aspen wetwood. Forest Prod. J. 16(9):118-119. Sept. 1966. 99.9 F7662J
- 6474 HEARMAN, R. F. S. Theory of the vibration testing of wood. Forest Prod. J. 16(8):29-40. Ref. Aug. 1966. 99.9 F7662J
- 6475 HOSTER, H. F., and LIESE, W. On the occurrence of reaction tissue in roots and branches of dicotyledons. (Ge) Holzforschung 20(3):80-90. Ref. June 1966. 99.8 H74
English summary.
- 6476 JAYME, G., and AZZOLA, K. The chemical resistance of the warty layer in wood fibres. (Ge) Holzforschung 20(3):101-103. Ref. June 1966. 99.8 H74
English summary.
- 6477 JOKEI, J. Mechanical properties of irradiated wood. (Cz) Drevo 21(7):232-235. Ref. July 1966. 99.82 D81
English summary p. 2 of supplement.
- 6478 JOSEPHSON, H. R. The role of the forest survey in obtaining better information on timber quality. Symp. Density Key Wood Quality. Proc. 1965:175-179. aSD430.S9
- 6479 JULIO ALVEAR, G. Variation in the length of fibers and the specific gravity of poplar. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:40-44. Ref. Sept. 1965. 99.9 Sa531
Populus nigra italica and P. euroamericana.
- 6480 KARLSEN, K. Lumber—strength and durability. (No) Norsk Landbruk 8:22-23, 28-29. Apr. 22, 1966. 11 N8122
- 6481 KARLSEN, O. Moisture content of wood. (No) Norsk Skogbruk 11(9):313-314. May 1965. 99.8 N815
- 6482 KAUFERT, F. H. Wood quality research opportunities in Eastern schools. Symp. Density Key Wood Quality Proc. 1965:180-183. aSD430.S9
- 6483 KIMBELL, R. G. Use of western wood density data by the lumber and plywood industry. Symp. Density Key Wood Quality Proc. 1965: 99-109, map. aSD430.S9
- 6484 LISKA, J. A. Research progress on the relationships between density and strength. Symp. Density Key Wood Quality. Proc. 1965:89-97. aSD430.S9
- 6485 MANWILLER, F. G. Senarmont compensation for determining fibril angles of cell wall layers. Forest Prod. J. 16(10):26-30. Oct. 1966. 99.9 F7662J
Wood fibers.
- 6486 MARIAN, J. E. Surface properties as physico-chemical phenomena. Holzforschung 20(3):91-101. Ref. June 1966. 99.8 H74
- 6487 MARKOVIC, N., TERZAN, N., and PJEVIC, V. Study of chemical composition of various wood. (Se) Sumarstvo 19(1/2):17-26. Jan./Feb. 1966. 99.8 Su63
- 6488 MATA A., R. Determination of corrections applicable to electric xylohygrometers of the resistance type. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:143-147. Sept. 1965. 99.9 Sa531
4 spp. of wood tested.
- 6489 MATTA K. G., and KAUMAN J. W. G. A key for the identification of Chilean wood in accordance with macroscopic characteristics. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:31-35. Sept. 1965. 99.9 Sa531
- 6490 MCKEAN, H. B. Commercially feasible methods for evaluating the strength of individual pieces of lumber. Symp. Density Key Wood Quality. Proc. 1965:169-174. Ref. aSD430.S9
- 6491 MELO, R., and ARRAGADA, R. Combustibility of wood of insignis pine protected with a mixture of borax and boric acid. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:113-116. Sept. 1965. 99.9 Sa531
- 6492 METCALF, M. E. Forest Service Western wood density survey: Phase I—collection of sample increment cores and related data. Symp. Density Key Wood Quality Proc. 1965: 15-20. aSD430.S9
- 6493 MITCHELL, H. L. Highlights of results of the Southern wood density survey. Symp. Density Key Wood Quality. Proc. 1965:38-64, map. Ref. aSD430.S9
- 6494 MORATH, E. The activity of the Austrian Wood Research Institute [Osterreichisches Holzforschungsinstitut] in 1965. (Ge) Holzforsh. Holzverwertung 18(3):41-46. June 1966. 99.9 Os72
- 6495 MULLER, P. H. Mechanical stress-grading of structural timber. S. Afr. Coun. Sci. Indus. Res. C.S.I.R. Symp. S 16:27-50. 1965. Q101.A1552
Bibliography, p. 43-50.
- 6496 NECESANY, V. Orientation variability of the cellulose microfibrils within a lignified cell wall. (Cz) Drewny Vyskum 1:1-26. Ref. 1966. 99.82 D812
English summary.
- 6497 NELSON, P. F. Some applications of instrumental methods to wood chemistry. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 20(1): 15-20. Ref. July 1966. 302.8 Au7
- 6498 OCENASEK, J. Fifteen years of the Institute for Wood Research and Development [Výzkumný a Vyuvoýový Ústav Dreveny] at Prague. (Cz) Drevo 21(7):225-226. July 1966. 99.82 D81
- 6499 OLTUS, E., and ELIASOVA, D. Investigation of the properties of decrystallized cellulose. 16 p. Transl. 15060
Translation from Sbornik Vyskumnych Prac z Odboru Celulozy a Papiera 8:35-51. 1963.
- 5000 ORTIZ CESPEDES, M. R. Variations in the length of tracheids and the specific gravity of Pinus radiata D. Don. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:35-40. Ref. Sept. 1965. 99.9 Sa531
Includes discussion.
- 5001 OSUSKY, A., and HOLOTA, J. Alkaline activation of hydrolytic lignin. II. (Cz) Drewny Vyskum 1:27-36. Ref. 1966. 99.82 D812
English summary.
- 5002 PAZ PENA, J., and MELO SANHUEZA, R. Contribution to the analysis of variation in fiber length and specific gravity in Monterey pine (Pinus radiata D. Don). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:45-49. Sept. 1965. 99.9 Sa531

- 6503 POLGE, H. Etablissement des courbes de variation de la densité du bois par exploration densitométrique de radiographies d'échantillons prélevés à la tarière sur des arbres vivants; applications dans les domaines technologique et physiologique [Establishment of curves for wood density variation by densitometric examination of X-rayed samples taken from the living trees with an increment borer; applications in the areas of technology and physiology]. Nancy, Ecole Nat. Eaux Forests, Ann. 23, 206 p. Ref. 1966. 99.9 F845
English summary.
- 6504 POLUBOYARINOV, O. I. Physical and mechanical properties of defective aspen wood. (Rus) Les. Zh. 6:125-129. 1964. 99.8 I28
Includes decayed wood.
- 6505 RAJCAN, J. Strength ratio in compression stress parallel to fibers. (Cz) Drevarsky Vyskum 1:37-47. Ref. 1966. 99.82 D812
English summary.
Wood.
- 6506 RAVNIKAR, T. Technological properties of teak and its processing. (Sl) Les [Ljubljana] 18(1/3):22-31. 1966. 99.8 L564
- 6507 RENDOS, F., and DOMANSKY, R. The study of nitrogen compounds in wood. II. Character, separation and classification of nitrogen compounds in wood. (Cz) Drevarsky Vyskum 2:67-73. 1966. 99.82 D812
English summary.
- 6508 SANGUESA HINOSTROZA, A. Mechanical properties of Monterey pine (*Pinus radiata* D. Don). (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 21:55-59. Sept. 1965. 99.9 Sa531
Includes discussion.
- 6509 SCHNEEWIND, A. P. Irregularities of finished surfaces caused by unequal ray shrinkage. Forest Prod. J. 16(6):66-67. Ref. Aug. 1966. 99.9 F7662J
In wood.
- 6510 SEIDL, R. J. Wood quality, present and future, in relation to industrial use. Symp. Density Key Wood Quality. Proc. 1965:129-134. aSD430.S9
- 6511 SMITH, W. R. The need for more meaningful information on the quality of hardwoods. Symp. Density Key Wood Quality. Proc. 1965:140-143. aSD430.S9
- 6512 STAMM, A. J., and SANDERS, H. T. Specific gravity of the wood substance of loblolly pine as affected by chemical composition. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):397-400. Ref. Sept. 1966. 302.8 T162
- 6513 STOCKHOLM. SVENSKA TRAFORSKNINGS-INSTITUTET. Redogörelse [Report of the Swedish Wood Research Institute], 1964/65. Stockholm, 1965. various paging. 99.9 S62R
- 6514 SULLIVAN, J. D., and SACHS, I. B. Research on cellulose morphology. Forest Prod. J. 16(9):83-86. Ref. Sept. 1966. 99.9 F7662J
- 6515 SYMPOSIUM ON DENSITY, A KEY TO WOOD QUALITY, MADISON, WISCONSIN, 1965. Proceedings. Madison, U. S. Forest Serv., Forest Prod. Lab., 1965. 194 p., map. Ref. aSD430.S9
Includes welcome address by E. G. Locke, introduction and summary remarks by L. Harper, and industry keynote by A. T. Smith.
Specific gravity as determined by increment core sampling method.
- 6516 VAN EYKEN, H. K. Second Canadian Wood Chemistry Symposium manifests mood of surging confidence. Pulp Pap. Mag. Can. 67(8):98-104. Aug. 1966. 302.8 P96
- 6517 VORREITER, L. Changes in dimensions of timbers with varying moisture and temperature. 22 p. Ref. Transl. 16093
Translation from Holztechnik 44(5):233-241. 1964.
- 6518 VORREITER, L. Pore zones and inner surface of wood. (Ge) Holzforschung 20(3):73-80. Ref. June 1966. 99.8 H74
English summary.
- 6519 WAGENFUHR, R. Tables of wood properties for the use in research, industry and commerce. (Cz) Drevo 21(1):14-15. Jan. 1966. 99.82 D81
English summary.
- 6520 WAHLGREN, H. E. Forest Service Western woods density survey: Phases II (increment core processing) and III (estimating tree specific gravity). Symp. Density Key Wood Quality Proc. 1965:21-35, map. aSD430.S9
- 6521 WOOD, L. W. Wood density data in ASTM [American Society for Testing and Materials]. Symp. Density Key Wood Quality. Proc. 1965:121-123. aSD430.S9
- 6522 WORTH, H. E. Quality—a link between wood processing and materials and markets. Symp. Density Key Wood Quality. Proc. 1965:149-161. aSD430.S9
- 6523 ZADORINA, E. S., and CHERNOVA, N. N. Effect of temperature and moisture content on certain mechanical properties of larch wood. (Rus) Derevoobrabatvayushchaya Prom. 10:7-8. Oct. 1965. 99.82 D44

PLANT SCIENCE

GENERAL

- 6524 ADVANCES in botanical research; edited by R. D. Preston. Volume 2. New York, Acad. Press, 1965. 382 p. Ref. 450 A492
- 6525 BASCHNAGEL, R. A. New fossil algae from the Middle Devonian of New York. Amer. Microscop. Soc. Trans. 85(2):297-302. Ref. Apr. 1966. 440.9 Am33
- 6526 BERGHEM, C. VANDEN. Introduction to the study of vegetation. (Fr) Natur. Belg. 47(4): 194-222. (Cont.) Apr. 1966. 410.9 N21
- 6527 BOTANICAL gardens, parks, and floral regions. In Reisigl, H., ed. The world of flowers, p. 175-239, map. 1965. QK86.R4 World directory.
- 6528 CARLUCCIO, L. M., HUEBER, F. M., and BANKS, H. P. Archaeopteris milicenta: anatomy and morphology of its frond. Amer. J. Bot. 53(7):719-730. Ref. Aug. 1966. 450 Am36 From New York.
- 6529 CHANDRA, L., ed. Advancing frontiers of plant sciences. Vol. 15. New Delhi, 1966. 204 p., map. Ref. 452.4 V81 Text in English and German.
- 6530 CHANG, L. C. On the importance of spore-pollen complexes of the Imaskaya carboniferous series in the western part of Honan Province. (Ch) Acta Palaeontologica, Sinica 13(1):160-177. Feb. 1965. Not in Libr. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:19. Nov. 5, 1966. (JPRS 32,736; TT 66-33214) 241.7 Un34C Issued by CFSTL.
- 6531 CHAO, H. H. On the occurrence of Alloiopteris in China. (Ch) Acta Palaeontologica Sinica 12(4):648. Nov. 1964. Not in Libr. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 30:34. Mar. 18, 1966. (JPRS 34,624; TT 66-31063) 241.65 Un3
- 6532 CHEVRENDI, S. KH., PAUZNER, L. E., and MART'YANOV, A. V. Where science comes into contact with practice. (Rus) Rasitel. Resursy 1(1):128-219. 1965. 450 R18 Botanical research.
- 6533 CHOWDHURY, K. A. Wood remains from gem pits of Sabaragamuva Province of Ceylon. Spolia Zeylanica 36(2):189-192. Dec. 25, 1965. 410.9 Sp6
- 6534 COMEL, A. Un'interessante raccolta di fossili dell'eocene medio di Noax in Friuli [An interesting collection of fossils of the central Eocene at Noax in Friuli]. Udine. Sta. Chim.-Agr. Sper. Pubbl. 79.8 p. 1965. 385 U45 Includes flora.
- 6535 CUATRECASAS, J. Establishment of the Organization pro Flora Neotropica. (Sp) Ciencia 24(5/6):267-270. Jan. 1966. 475 C48
- 6536 DRUCE, A. P. Tree-ring dating of recent volcanic ash and lapilli, Mt. Egmont. New Zeal. J. Bot. 4(1):3-41, map. Ref. Mar. 1966. 450 N48 With radioactive carbon.
- 6537 DUBUIS, A., and FAUREL, L. Botanical collection by R. Pasquier in Iran, April 13-July 16, 1957. (Fr) Soc. Hist. Natur. Afr. Nord. Bull. 54(1):65-132. Ref. 1964. 410.9 Sol25
- 6538 DVORAK, J., and KUHN, F. Imported plants on the territory of the wool spinning mills "Mosilana" near Brno. (Cz) Preslia 38(3): 327-332. Ref. 1966. 450 P92 German summary.
- 6539 GODLEY, E. J. Botany of the southern zone exploration to 1843. Tuatara 13(3):140-181. Ref. Nov. 1965. 442.8 T79 South America and Antarctic Region.
- 6540 GRIFFITH, E., and HYLAND, H. L. Plant material introduced January 1 to December 31, 1959 (Nos. 254695 to 262678). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 167, 351 p. Aug. 1966. 1 P698f
- 6541 HANTKE, R. Die fossilen Eichen und Ahorne aus der Molasse der Schweiz und von Oehningen (Sud-Baden) [The fossil oaks and maples from the Molasse of Switzerland and from Oehningen (South Baden)]. Zurich, 1965. 140 p. (Zurich. Naturforschende Gesellschaft. Neujahrsblatt 167) 508 Z8N Bibliography, p. 98-102.
- 6542 KEELING, R. P. A holding rack for Ryan growth tubes. Mycologia 58(4):641-642. July/Aug. 1966. 450 M99
- 6543 KNUDSEN, J. W. Biological techniques; collecting, preserving, and illustrating plants and animals. New York, Harper and Row, 1966. 525 p. Ref. QH318.5 K6 Includes arthropods.
- 6544 KOLESNIKOVA, T. D. New finds of fossil Arctic flora in the north of European part of U.S.S.R. (Rus) Bot. Zhur. [Moscow] 51(5):734-736. Ref. May 1966. 451 R923
- 6545 LAZAROV, R. Coefficients for determining the leaf area in certain agricultural crops. (Bu) Rastenievudni Nauk. 2(2):27-37. 1965. 64.8 R18 English summary.
- 6546 LI, H. M. Early tertiary plant fossils at Ch'a-shan-huan in the Heng-yang basin of Hunan. (Ch) Acta Palaeontologica Sinica 13(5):540-551. Aug. 1965. Not in Libr. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 25:20 Feb. 28, 1966. (JPRS 34,315; TT 66-30756) 241.65 Un3
- 6547 MEDUS, J., and REYRE, Y. Study of pollen particles belonging to the genus Classopolis (Plug) Pocock and Jansonius. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2703-2706. June 27, 1966. 505 P21 Tunisia.
- 6548 MENON, V. K. On a petrified palm petiole from Mohgaon Kalan area, Madhya Pradesh. Indian Acad. Sci. Proc. Sect. B, 62(1):17-24. July 1965. 513 In25B
- 6549 MISCHI, G. The largest and the smallest. (It) Agrumi 9(8):120-121. Aug. 1965. 80 Ag8 Unusual size and properties in plants; chiefly very tall tree spp.
- 6550 MURRAY, H. T. Study problems in plant science, with answers. Minneapolis, Burgess, 1965. 120 p. QK53.M8
- 6551 MURTON, R. K., ISAACSON, A. J., and WESTWOOD. The relationships between wood-pigeons and their clover food supply and the mechanism of population control. J. Appl. Ecol. 3(1):55-96, map. Ref. May 1966. 410 J828
- 6552 NIKOLAYENKO, N. P. Botanical gardens and parks in the Soviet Union. In Reisigl, H., ed. The world of flowers, p. 134-138. 1965. QK86.R4
- 6553 NORDHAGEN, R. Some Gaelic contributions to the elucidation of the meaning of the name elm. (No) Bot. Not. 119(2):153-157. 1966. 450 B656
- 6554 NORTON, N. J. Notes on the vascular system of Medullosa noei. Advancing Frontiers Plant Sci. 15:129-136. Ref. 1966. 452.4 V81 From Illinois.
- 6555 OGDEN, J. G. Forest history of Ohio. I. Radio-carbon dates and pollen stratigraphy of Silver Lake, Logan County, Ohio. Ohio J. Sci. 66(4): 387-400, map. Ref. July 1966. 410 Oh3
- 6556 PETEROV, S., and PALAMAREV, E. Problems and objectives of paleobotanical investigations in Bulgaria. (Bu) Priroda [Sofia] 14 (5):28-33. Sept./Oct. 1965. 410 P934
- 6557 PORTERES, R. Ethnobotanical concepts on ancient agriculture. (Fr) J. Agr. Trop. Bot. Appl. 13(1/3):123-129. Jan./Mar. 1966. 26 J822
- 6558 SCHACHT, W. Work and pleasure in a botanical garden. In Reisigl, H., ed. The world of flowers, p. 13-15. 1965. QK86.R4
- 6559 STRAKA, H. On the importance of non-tree pollen analysis for investigation of flora and vegetation history. (Ge) Deut. Bot. Ges. Ber. 78(9):380-395. Ref. 1965. 451 D48 Fossil pollen.

- 6560 STUCKEY, R. L. The botanical pursuits of John Samples, pioneer Ohio plant collector (1836-1840). Ohio J. Sci. 66(1):1-41, map. Ref. Jan. 1966. 410 Oh3
- 6561 THOMAS, B. A. The cuticle of the lepidodendroid stem. New Phytol. 65(3):296-303. Ref. July 1966. 450 N42
Paleobotany.
- 6562 TSAO, C. Y. Fossil plants from the Hsiaoping series in Kao-ming, Kwangtung. (Ch) Acta Palaeontologica Sinica 13(3):510-539. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 25:19. Feb. 28, 1966. (JPRS 34,315; TT 66-30756) 241.65 Un3
- 6563 VISHNU-MITRE, V., and ROBERTS, MRS. R. D. Pollen analysis of the middle Pleistocene samples from the gem pits in Ceylon. Spolia Zeylanica 30(2):185-188. Dec. 25, 1965. 410.9 Sp6
- 6564 VOLOGDIN, A. G., and KOCHETKOV, O. S. The discovery of remains of gigantic Siphonaea in ancient strata of the Timan Ridge. (Rus) Akad. Nauk SSSR. Dokl. 169(3):672-675. 1966. 511 P444A

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 6565 ALLEN, J. D., SILVESTER, W. B., and KALIN, M. Streptomyces associated with root nodules of Coriaria in New Zealand. New Zeal. J. Bot. 4(1):57-65. Ref. Mar. 1966. 450 N48
Cytological study.
- 6566 ANDREW, R. H. A technique for measuring root volume in vivo. Crop Sci. 6(4):384-386. July/Aug. 1966. 64.8 C883
- 6567 ASSAF, R. Study of the vegetative buds of some fruit species. (Fr) J. Agr. Trop. Bot. Appl. 13(4/5):139-146. Apr./May 1966. 26 J822
- 6568 BAEVA, R. Multiple fertilization in higher plants. (Bu) Priroda [Sofia] 14(1):8-12. Jan./Feb. 1965. 410 P934
A cytological study.
- 6569 BANERJEE, S., and WIENHUES, F. Comparative studies on the development of the spike in wheat, barley and rye. Z. Pflanzenzucht. 54(2):130-142. Ref. Nov. 1965. 450 Z36
- 6570 BAUMGARTEN, G., and HARTE, C. Investigation of morphogenesis in leaves of Oenothera hookeri De Vries and some of its mutants. (Ge) Genetica 36(3):286-300. Ref. 1965. 442.8 G282
- 6571 BELEA, A. Morphological and cytological characteristics of a few hybrid species of Triticum timopheevi Zhuk. Acta Agron. [Buda-pest] 15(1/2):95-105. Ref. 1966. 19 Ac8
- 6572 BERGANN, F. Does Epilobium [montanum] grow with apical cells? (Ge) Deut. Bot. Ges. Ber. 78(9):405-410. Ref. 1965. 451 D48
- 6573 BOEREMA, G. H. Spore development in the form-genus Heloma. Persoonia 3(4):413-417. 1965. QK600. P4
- 6574 BORTENSCHLAGER, S., ERDTMAN, G., and PRAGLOWSKI, J. Pollen morphological notes on some angiosperms incertae sedis. (Ge) Bot. Not. 119(2):160-169. 1966. 450 B656
Includes fossil pollen.
- 6575 BOUNAGA, D. Anatomy of the genus Eryngium in North Africa. (Fr) Soc. Hist. Natur. Afr. Nord. Bull. 54(1):7-80. Ref. 1964. 410.9 So125
- 6576 BRADLEY, J. M., and FELL, K. R. The anatomy of the fruit of Heracleum sphondylium L. Planta Med. 14(1):10-18. Ref. Feb. 1966. 450 P697
- 6577 BREZOVA, H. E. Study of Flagellatae. (Ge) Osterr. Bot. Z. 112(5):701-745. Ref. 1965. 450 Os7
Morphology and cytology.
- 6578 BUFFA, P. The wax models of microscopical biological preparations of Giovan Battista Amici. (It) Ric. Sci., Ser. 2, Parte I, Riv. 5(10/12):205-254. Oct./Dec. 1965. 475 I1
English summary.
Plants.
- 6579 BURTON, G. W., and POWELL, J. B. Morphological and cytological response of pearl millet, Pennisetum typhoides, to thermal neutron and ethyl methane sulfonate seed treatments. Crop Sci. 6(2):180-182. Mar./Apr. 1966. 64.8 C883
- 6580 CHANDLER, C., and MAVRODINEANU, S. Meiosis in Larix laricina Koch. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:14-20. Ref. 1965, pub. 1966. 99.9 N8123
- 6581 CHANG, C. T., and WANG, C. L. Morphology of pollen of nectariferous plants of China. (Ch) Acta Bot. Sinica 13(4):339-374. Dec. 1965. 450 C432
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 45:21. Ref. Aug. 1966. (JPRS 34,284; TT 66-30725) 241.7 Un34C
Issued by CFSTI.
- 6582 CHRISPEELS, M. J., and others. The structural organization of ribonucleic acid associated with soybean microsomes. J. Exp. Bot. 17(52):492-501. Ref. Aug. 1966. 450 J8224
A. E. Vatter, D. M. Madden, and J. B. Hanson, joint authors.
- 6583 CHUCHMII, I. P. Morphological differences of ears in Moldavian type male-sterile corn. (Rus) In Rol' Udobrenii i Drugikh Faktorov v Povyshenii Produktivn. Rast. 1964:40-43. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:2. Aug. 1965. Film S-202
- 6584 CORNER, E. J. H. Debunking the new morphology. New Phytol. 65(3):398-404. July 1966. 450 N42
- 6585 DAMBOLDT, J. Chromosome numbers of some southern alpine endemic plants. (Ge) Deut. Bot. Ges. Ber. 78(9):373-376. 1965. 451 D48
- 6586 DART, P. J., and MERCER, F. V. Observations on the fine structure of the meristem of root nodules from some annual legumes. Linn. Soc. New S. Wales. Proc. 90(3):252-262. Ref. 1965. 514 S4
Of subterranean clover, barrel medic, and purple vetch.
- 6587 DATT, R. M., and CHOUDHURY, P. C. Karyotype in Crotalaria. Torrey Bot. Club. Bull. 93(4):241-243. July/Aug. 1966. 451 T63B
Crotalaria burhia.
- 6588 DATT, R. M., and NEOGY, A. K. Meiotic studies and chiasma frequencies in some Crotalaria species. Philippine Agr. 49(3):191-196. Aug. 1965. 25 P542
- 6589 DAWES, C. J. A light and electron microscope survey of algal cell walls. II. Chlorophyceae. Ohio J. Sci. 66(3):317-326. Ref. May 1966. 410 Oh3
- 6590 DELEVORYAS, T. Plant diversification. New York, Holt, Rinehart and Winston, 1966. 145 p. Ref. (Modern Biology Series) QK641.D4
Morphological and cytological aspects.
- 6591 DEPOUX, M., and PITOT, A. Study of the ligular region anatomy in the fertile leaf of Isoetes melanotheca Alston and Isoetes pitotii Alston. (Fr) Inst. Franc. Afr. Noire. Bull. Ser. A, Sci. Natur. 27(2):514-550. Apr. 1965. 515 D14
- 6592 ENDO, R. M. A cellophane tape-cover glass technique for preparing microscopic slide mounts of fungi. Mycologia 58(4):655-659. July/Aug. 1966. 450 M99
- 6593 ERDELSKA, O. The effect of 2-methyl-4-chlorophenoxyacetic acid on the development of Hordeum distichum L. ovule. Biol. Plant. 8(2):117-121. Ref. 1966. 450 B52
MCPA.
- 6594 ESCHRICH, W. The callose-decomposition of the microspore-tetrads of Cucurbita ficifolia. (Ge) Z. Pflanzenphysiol. 54(5):463-471. May 1966. 450 Z32
English summary.
- 6595 ESCHRICH, W. Physiology of the sieve-tube callose. (Ge) Planta 65(3):280-300. Ref. 1965. 450 P93
English summary.

- 6596 FILEV, K. A. Changes in stored seeds induced by intensity of radiation. (Rus) Akad. Nauk SSSR. Dikl. 169(3):680-682. Ref. 1966. 511 P444A
Effect of gamma rays on chromosome numbers in barley.
- 6597 FILION, W. G., and CHRISTIE, B. R. The mechanism of male sterility in a clone of orchardgrass (*Dactylis glomerata* L.). *Crop. Sci.* 6(4):345-347. Ref. July/Aug. 1966. 64,8 C883
- 6598 FOSKET, D. E., and MIKSCH, J. P. A histological study of the seedling shoot apical meristem of *Pinus lambertiana*. *Amer. J. Bot.* 53(7):694-702. Ref. Aug. 1966. 450 Am36
- 6599 FREY-WYSSLING, A. The formation of resin pockets. 4 p. Transl. 14761
Chiefly in *Larix* and *Picea*.
Translation from Holz als Roh- und Werkstoff 9:329-332. June 1938.
- 6600 FRIDVALSKY, L., and NAGY, J. The differentiation, microscopic and submicroscopic structure of giant cell wall in the pericarp of *Capsicum annuum* L. *Acta Agron. [Budapest]* 15(1/2):69-78. Ref. 1966. 19 Ac8
- 6601 GAZIT, S., and GINZBURG, O. Anatomical and histochemical studies of mature *Fuerte* avocado fruits. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 492,10 p. Ref. Jan. 1965. 107 R26
English summary.
- 6602 GETTLER, L. Conjugation process in *Protophloem botryoides* (Chlorophyceae). (Ge) Osterr. Bot. Z. 112(5):762-764. 1965. 450 Os7
A cytological study.
- 6603 GETSADZE, G. N. Results of karyological study of vegetative hybrids of mandarin and trifoliate oranges. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult. 4:80-82. 1965. 68,19 M28
- 6604 GIBBONS, R. W. The branching habit of *Arachis monticola*. Rhodesia Zambia Malawi J. Agr. Res. 4(1):9-11. Jan. 1966. 24 R3472
- 6605 GICHNER, T., and VELEMINSKY, J. Induction of chromosome aberrations by pyrrolizidine alkaloids. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):1-10. Ref. Jan. 1966. QH43.A1S25
English summary.
Vicia faba.
- 6606 GIBBARDI, M. A method of comparing living fungi with fixed specimens. 6 p. Transl. 15178
Cytological studies.
Translation from Zeitschrift für Wissenschaftliche Mikroskopie und Mikroskopische Technik 63(1):16-21. 1956/1958.
- 6607 GORDON, C. C. A reinterpretation of the ontogeny of the ascocarp of species of the *Erysiphaceae*. *Amer. J. Bot.* 53(7):652-662. Ref. Aug. 1966. 450 Am36
- 6608 GORYACHEV, P. P. Some common features in variation of cell shape in different species of *Pediastrum*. (Rus) Bot. Zhur. [Moscow] 51(5):731-733. Ref. May 1966. 451 R923
- 6609 GRANDE, M. D., and TAMAYO, A. I. Studies on the histological structure of the fruit of *Olea europaea* L. I. Variety "Zorzalena." (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(3):271-291. Ref. 1965. 442.9 Sol8
English summary.
- 6610 GRANT, C. J. An effect of fixation and staining on the realization of cold-induced heterochromatin in *Trillium*. *Heredity* 21(1):147-150. Ref. Feb. 1966. 443.8 H42
- 6611 GREGUSS, P. The polyphyletic origin of *Angiospermae*. *Advancing Frontiers Plant Sci.* 15:37-49. Ref. 1966. 452.4 V61
Chiefly morphology.
- 6612 GUIGNARD, J. L. Embryogenesis of *Caryophyllaceae*; development of the fruit in *Gypsophila elegans* Bieb. (Fr) Acad. Sci. Compt. Rend. Ser. D. 262(26):2718-2721. June 27, 1966. 505 P21
- 6613 GUSSET, G. Remarks on a recent interpretation of the lemma of grasses. (Fr) J. Agr. Trop. Bot. Appl. 13(4/5):233-235. Apr./May 1966. 26 J822
- 6614 GUT, B. Contributions to the morphology of the gynoceum and the floral axis of some Rutaceae. (Ge) Bot. Jahrbuch 85(2):151-247. Ref. June 14, 1966. 450 En3B
English summary.
- 6615 HALPERIN, W. Single cells, coconut milk, and embryogenesis in vitro. *Science* 153(3741):1287-1288. Ref. Sept. 9, 1966. 470 Sci2
Carrot cell suspensions.
- 6616 HARLOW, W. M. Patterns of life; the unseen world of plants. New York, Harper and Row, 1966. 128 p. QK98.H3
Morphology.
- 6617 HEBANT, C. Differentiation of conducting tissues in the leafy stems of *Polytrichum juniperinum* Willd. (Musc., Polytrichales). (Fr) Acad. Sci. Compt. Rend. Ser. D. 262(25):2585-2588. June 20, 1966. 505 P21
- 6618 HINDMARSH, G. J. An embryological study of species of *Bassia* All. (Chenopodiaceae). *Linn. Soc. New S. Wales. Proc.* 90(3):274-289. Ref. 1965. 514 Sy2
- 6619 HOVIN, A. W., and HILL, H. D. B-chromosomes, their origin and relation to meiosis in interspecific *Lolium* hybrids. *Amer. J. Bot.* 53(7):702-708. Ref. Aug. 1966. 450 Am36
- 6620 HSIUNG, W. Y., CHOU, F. C., and HU, C. L. Method of determining the age of *Phyllostachys pubescens* Mazel H. de Lehaie plants. (Ch) Silvae 10(2):197-198. Apr. 1965. 99.8 L632
Morphology.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:9. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un94C
Issued by CFSTI.
- 6621 IORDANSKII, A. B. Autoradiographic analysis of the sister interchromatid exchanges observed in the third division following H³-thymidine treatment. (Rus) Tsitologiya 7(5):673-675. Sept./Oct. 1965. 442.8 T78
English summary.
Broadsheets.
- 6622 JINKS, J. L., and others. Heterokaryon incompatibility and variation in wild populations of *Aspergillus nidulans*. *Heredity* 21(2):227-239. Ref. May 1966. 443.8 H42
C. E. Caten, G. Simchen, and J. H. Croft, joint authors.
- 6623 JUHASZ, G. D. Investigation of the vascular bundle system of the flower with the "clearing" method. *Acta Agron. [Budapest]* 15(1/2):239-242. 1966. 19 Ac8
Cornus spp.
- 6624 KAJA, H. Investigations on the development of the lamellar system of algal chromatophores. (Ge) Deut. Bot. Ges. Ber. 78(9):377-379. 1965. 451 D48
- 6625 KANEKO, K. Cytological studies on some species of *Hosta*. I. Karyotypes of *H. montana*, *H. lancifolia*, *H. chibai* and *H. capitata*. (Ja) Bot. Mag. Tokyo 79(932/933):131-137. Feb./Mar. 1966. 450 B651
- 6626 KARPUC, I. P. Microscopic investigation of *Delphinium* L. from the family Ranunculaceae. 1. (Ukr) Farmatsevtichnyi Zh. 1:71-76. 1965. Not in Libr.
Anatomical study of *Delphinium semibarbatum*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:39. Aug. 1965. Film S-202
- 6627 KASTVISHANATHAN, K., and SITARAMA IYENGAR, M. N. A note on root distribution pattern of different mulberry varieties. *Indian J. Sericult.* 4(4,e.2):4-10. July/Dec. 1965. 425.8 In2
- 6628 KAWAHARA, H. Studies on the differentiation and growth of vascular bundles in crop plants. III. Effects of decapitation or longitudinal incision on the root apex of *Zea mays*. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):83-90. Ref. Aug. 1966. 22.5 C88
English summary.
- 6629 KAWATA, S. I., and SHIBAYAMA, H. Types of branching in lateral roots of rice plants. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):59-70. Aug. 1966. 22.5 C88
English summary.

- 6630 KAZANTSEV, E. N., and AFANAS'EV, L. F. The application of electromechanical devices for studies of the cytoplasmic movement. (Rus) Tsitologiya 7(2):270-272. Mar./Apr. 1965. 442.8 T78
English summary.
Elodea.
- 6631 KHANNA, A., PAYAK, M. M., and MEHTA, S. C. Teliospore morphology of some smut fungi. I. Electron microscopy. Mycologia 58 (4):562-569. July/Aug. 1966. 450 M99
Neovossia indica and Tilletia caries.
- 6632 KOEVENIG, J. L., and JACKSON, R. C. Plasmoidal mitoses and polyploidy in the Myxomycete Physarum polycephalum. Mycologia 58(4): 662-667. Ref. July/Aug. 1966. 450 M99
- 6633 KONONENKO, A. G. Male-sterility in onions, (UK) In Kartoplya, Ovochevi ta Bashstanni Kul'tury 1964:38-44. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 15:2. Aug. 1965. Film S-202
- 6634 KONSTANTINOVA, A. G. Agropyron lavrenkoanum Prokudin. (UK) Ukr. Bot. Zh. 23(4):24-29. 1966. 450 J821J
English summary.
Morphological and ecological aspects.
- 6635 KOUL, A. K. Interspecific hybridization in Coix. I. Morphological and cytological studies of the hybrids of a new form of Coix with 2n 32 Coix aquatica Roxb. Genetica 36(3):315-324. 1965. 442.8 G282
- 6636 KRASAVTSEV, O. A. Observations on tissue freezing in woody plants and their fixation in a frozen state. (Rus) In Tsitol. Osnovy Prispisob. Rast. k Faktoram Sredy 1964:128-136. Not in Libr.
Abstracted in Ref. Zh. Biol. 23(sect.G):17. Dec. 1965. 241.7 R25
- 6637 KROLOW, K. D. Aneuploidy and fertility in amphidiploid wheat-rye hybrids (Triticale). III. Investigations on aneuploidy, fertility and straw length in hexaploid Triticale lines. (Ge) Z. Pflanzenzucht. 55(2):105-138. Ref. Apr. 1966. 450 Z36
English summary.
- 6638 KUSANAGI, A. Cytological studies on Luzula chromosome. VII. Relationship between nuclear material and kinetic ability of chromosomes. Bot. Mag. Tokyo 79(932/933):114-118. Ref. Feb./Mar. 1966. 450 B651
- 6639 KUTTELWASCHER, H. Investigations of the anatomical development of air-roots of Orchidaceae. (Ge) Deut. Bot. Ges. Ber. 78(8):307-313. Ref. 1965. 451 D48
- 6640 KWIATKOWSKA, M., and STEPLEWSKI, Z. Cytochemical studies on the relation between the Golgi structures and elaioplasts in Malva neglecta L. Folia Histochem. Cytochem. 4(2): 163-172. Ref. 1966. 365 F71
- 6641 LAETSCH, W. M., STETLER, D. A., and VLITOS, A. J. The ultrastructure of sugar cane chloroplasts. Z. Pflanzenphysiol. 54(5): 472-474. May 1966. 450 Z32
- 6642 LAZAROV, M. Contribution to the elucidation of the morphological differentiation of the Helianthus annuus L. flower. (Bu) Rasteniyevodni Nauk. 2(2):155-158. 1965. 64.8 R18
English summary.
- 6643 LEMOINE, Y. Paracrystalline and fibrous structures in the stroma of chloroplasts in bean (Phaseolus vulgaris) seedlings. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):105-108. July 11, 1966. 505 P21
- 6644 LI, C. C. Growth and developmental cycle of varieties of Sapium sebiferum. (Ch) Scientia Silvae 10(3):275-276. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:12. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 6645 LI, C. L., HU, Y. H., and LIU, S. C. Comparative anatomy of phloem fibers in differentiated branches of Pteroceltis tatarinowii Maxim. (Ch) Acta Bot. Sinica 13(4):330-338. Dec. 1965. 450 C432
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 45:20. Feb. 24, 1966. (JPRS 34,284; TT 66-30725) 241.7 Un34C
Issued by CFSTI.
- 6646 LINSKENS, H. F., and KRNER, H. Interference microscopy of the pattern of leaf surfaces. Nature [London] 210(5039):968-969. May 28, 1966. 472 N21
- 6647 LOWRY, R. J., and SUSSMAN, A. S. Intra-hyphal hyphae in "clock" mutants of Neurospora [crassa]. Mycologia 58(4):541-548. Ref. July/Aug. 1966. 450 M99
Cytological study.
- 6648 MAHESHWARI, P., and RANGASWAMY, N. S. Embryology in relation to physiology and genetics. Advances Bot. Res. 2:219-321. Ref. 1965. 450 Ad92
- 6649 MANDY, GY. Knowledge of alfalfa biostructure as basis for successful breeding. (Hu) Elvovlag 10(6):355-358, map. 1965. 410 E16
- 6650 MANTON, I. Some phyletic implications of flagellar structure in plants. Advances Bot. Res. 2:1-34. Ref. 1965. 450 Ad92
Algae.
- 6651 MCCOY, G. A., and LAW, A. G. Satellite chromosomes in fairway crested wheatgrass (Agropyron cristatum (L.) Gaertn.). Crop Sci. 6(4): 386. July/Aug. 1966. 64.8 C883
- 6652 MELENDEZ-HOWELL, L. M. The germinative pore and the ultrastructure of tegumentary spore of the genus Lepiota Fr. sensu lato. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2707-2710. Ref. June 27, 1966. 505 P21
- 6653 MIKAEILYAN, V. M. Results of the study of apple root systems on the state farm Shumyana in Kirovakan District. (Arm) ArmSSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov Izv. 2: 53-56. 1965. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:40. Aug. 1965. Film S-202
- 6654 MITTERMAYER, C., and others. Polysome patterns and protein synthesis during the mitotic cycle of Physarum polycephalum. Nature [London] 210(5041):1133-1137. Ref. July 11, 1966. 472 N21
R. Braun, T. G. Chayka, and H. P. Rusch, joint authors.
- 6655 MOLOTOVSKYKYI, G. KH., and DEREVENKO, O. S. Peculiarities of the asymmetric-dysymmetric structures of the leaves and flowers of some plants. (UK) Ukr. Bot. Zh. 23(4):15-23. 1966. 450 J821J
English summary.
Measured by degree of the content of ascorbic acid and weight of leaves.
- 6656 MORA OSEJO, L. E. Contribution to the comparative morphology of inflorescence and growth form of the Melastomataceae. I. Inflorescence of Huilaea, Topobea and Blakea. (Sp) Caldasia 9(44):303-312. Apr. 30, 1966. 516 C12
- 6657 MOUNOLOU, J. C., JAKOB, H., and SLONIMSKI, P. P. Mitochondrial DNA from yeast "petite" mutants: specific changes of buoyant density corresponding to different cytoplasmic mutations. Biochem. Biophys. Res. Commun. 24(2):218-224. Ref. July 20, 1966. 442.8 B5236
- 6658 MOUTSCHEN, J. The chloroplasts. (Fr) Natur. Belg. 47(4):173-193. Apr. 1966. 410.9 N21
A cytological and genetical study.
- 6659 NEWMAN, E. I. A method of estimating the total length of root in a sample. J. Appl. Ecol. 3(1):139-145. May 1966. 410 J828
- 6660 NIZAMUDDIN, M. Cytological studies in Fucaceae. Biologia [Lahore] 11(1):49-60. Ref. June 1965. 442.8 B5232
- 6661 ODINTSOVA, I. G. Pollen morphology in polyploid clover as a criterion for their recognition. (Rus) Tsitologiya 7(5):683-686. Sept./Oct. 1965. 442.8 T78
English summary.
- 6662 OPIK, H. Changes in cell fine structure in the cotyledons of Phaseolus vulgaris L. during germination. J. Exp. Bot. 17(52):427-439. Ref. Aug. 1966. 450 J8224
- 6663 OVERBECK, J., and STANGE-BURSCHE, E. M. Experimental investigations of form change in coccidia of Scenedesmus quadricauda (Turp.) Breb. (Ge) Deut. Bot. Ges. Ber. 78(9):357-372. Ref. 1965. 451 D48

- 6664 PAASCHE, E. Adjustment to light and dark rates of coccolith formation. *Physiol. Plant.* 19(2):271-278. 1966. 450 P564
Coccolithus huxleyi.
- 6665 PALILOVA, A. N., TURBIN, N. V., and SERPOKRYLOVA, L. S. A cytochemical investigation of the activity of the respiratory enzymes in sterile and fertile line of corn. (Rus) Akad. Nauk SSSR. Dokl. 169(3):677-679. 1966. 514 P444A
- 6666 PANT, D. D., and KIDWAI, P. F. Epidermal structure and stomatal ontogeny in some Celastraceae. *New Phytol.* 65(3):288-295. July 1966. 450 N42
- 6667 PATEL, M. B., and ROWSON, J. M. Investigations of certain Nigerian medicinal plants. VII. The anatomy of the leaf of *Hedranthera barteri* (Hook. f.) Pichon. *Planta Med.* 14(1):111-119. Feb. 1966. 450 P697
- 6668 PODDUBNAYA-ARNOL'DI, V. A. Data on history of investigations of the fertilization process in angiosperms. 50 p. Ref. (TT 65-50053) Transl. 16141
Embryological study.
Translation from Moscow. Glavnyi Botanicheskii Sad, Trudy 6:7-48. 1959.
CFSTI: \$3.00.
- 6669 POLLISTER, A. W., ed. Physical techniques in biological research. Ed. 2. New York, Academic Press, 1966. 408 p. Ref. QH324.P6
Contributors: T. F. Anderson, R. Barer, A. Engstrom, M. E. Gettner, H. Holter, L. Ornstein, F. Ruch, A. W. Wachtel, and E. Zeuthen.
Review of the literature.
Includes plants and insects.
- 6670 POLUKHINA, I. N., and MASLYANAYA, M. K. Lodging of cereals on peat bog soils. (Rus) *Agrokhimiya* 7:84-87. July 1965. 385 Ag89
An anatomical study.
- 6671 PRICE, C. A., and BOURKE, M. E. "Spheroplasts" prepared from *Euglena gracilis* by proteolysis. *J. Protozool.* 13(3):474-477. Ref. Aug. 1966. 439.8 J82
- 6672 PURCELL, C. M. Chromosome number of cubi, *Solanum sessiliflorum* Dunal, a solanaceous fruit of the Brazilian Amazonas. *P. R. Univ. J. Agr.* 50(3):247-251. July 1966. 8 P832J
- 6673 PURI, Y. P., and others. Anatomical and agronomic studies of *Phormium* in western Oregon. U. S. D. A. Prod. Res. Rep. 93,43 p. Ref. Aug. 1966. A281.9 Ag8
C. R. Stanton, S. Assesavesna, and D. W. Fishler, joint authors.
Oregon Agricultural Experiment Station, cooperating.
Includes morphology.
- 6674 READ, R. W. New chromosome counts in the Palmae. *Principes* 10(2/3):55-61. Apr./July 1966. 80 P932
- 6675 RIPA, R., and BORQUEZ, M. Lignin in the alga *Durvillea antarctica* (Sp) Santiago de Chile. *Inst. Forest. Inform. Tec.* 21:172-173. Sept. 1965. 99.9 Sa531
- 6676 ROELOFSEN, P. A. Ultrastructure of the wall in growing cells and its relation to the direction of the growth. *Advances Bot. Res.* 2:69-149. Ref. 1965. 450 Ad92
- 6677 ROLLER, K. J. Resin canal position in the needles of balsam [*Abies balsamea*] alpine [*Abies lasiocarpa*] and Fraser firs [*Abies fraseri*]. *Forest Sci.* 12(3):348-355. Ref. Sept. 1966. 99.8 F7632
- 6678 ROSS, I. K. Chromosome numbers in pure and gross cultures of *Myxomycetes*. *Amer. J. Bot.* 53(7):712-718. Aug. 1966. 450 Am36
- 6679 SADASIVAIAH, R. S., and MAGOON, G. L. Studies of dysynapsis in *Sorghum*. *Genetica* 36(3):307-314. Ref. 1965. 442.8 G282
Cross between *Sorghum controversum* and *S. aluum*.
- 6680 SAULESCU, N., and POPA, T. The seedling as an indicator of yield in hybrid maize. (Ge) *Z. Pflanzenzucht.* 54(1):1-5. Oct. 1965. 450 Z36
English summary.
Seedling size.
- 6681 SAXENA, M. C., and SINGH, Y. A note on area estimation of intact maize leaves. *Indian J. Agron.* 10(4):437-439. Dec. 1965. 22 In235
Morphology.
- 6682 SCHEEL, H. Investigations on the variegation in *Barbarea vulgaris* var. *variegata* hort. (Ge) *Z. Pflanzenzucht.* 54(3):225-246. Ref. Dec. 1965. 450 Z36
English summary.
- 6683 SCHNEPPF, E. The morphology of the secretion in plant glands. (Ge) *Deut. Bot. Ges. Ber.* 78(10):478-483. Ref. 1965. 451 D48
- 6684 SCHNEPPF, E. Ultrastructure and function of plant glands. (Ge) *Umschau* 66(16):522-527. Ref. Aug. 15, 1966. 474 Um7
- 6685 SCHUURM, N. J. J., and GOEDEWAAGEN, M. A. J. Methods for the examination of root systems and roots. Wageningen, Centre Agr. Publ. & Doc., 1964. 86 p. QK644.83
Bibliography, p. 75-86.
- 6686 SCOTT, F. M. Cell wall surface of the higher plants. *Nature [London]* 210(5040):1015-1017. Ref. June 4, 1966. 472 N21
- 6687 SHAH, S. S. Inter-relationships of chiasma frequencies in normal set bivalents in presence of extra heterochromatin and euchromatin in *Dactylis glomerata* subsp. *lucida*. *Heredity* 20(3):470-474. Aug. 1965. 443.8 H42
- 6688 SHIYU, T., GEMMA, T., and ICARASHI, M. A study on linear and *Chrysanthemum* crests in transverse sections of endosperms of rice kernels. 9 p. Transl. 15558
No source of translation given.
- 6689 SHIMIZU, M., and TAKEOKA, Y. Effects of gibberellin on the morphogenesis in rice plants. 5. Distribution of various abnormal spikelets induced by gibberellin on panicles. (*J. Crop Sci. Soc. Japan. Proc.* 35(1/2):100-104. Aug. 1966. 22.5 C88
English summary.
- 6690 SHIMIZU, M., and TAKEOKA, Y. Effects of gibberellin on the morphogenesis in rice plants. 6. Effects of gibberellin on the development of vascular bundles in panicles. (*J. Crop Sci. Soc. Japan. Proc.* 35(1/2):105-112. Ref. Aug. 1966. 22.5 C88
English summary.
- 6691 SHIMIZU, M., and KUNO, K. Studies on the morphogenic abnormalities in rice spikelets caused by a low temperature. (*J. Crop Sci. Soc. Japan. Proc.* 35(1/2):91-99. Aug. 1966. 22.5 C88
English summary.
- 6692 SKALA, J. Heterogamy. (Cz) *Ziva* 14(4):123. June 1966. 409.6 Z6
Dicotyledons.
- 6693 SOROKIN, H. P. The intercellular spaces of the *Avena [sativa]* coleoptile. *Physiol. Plant.* 19(3):691-701. Ref. 1966. 450 P564
- 6694 SPREY, B. Contributions to the macromolecular organization of plastids. II. The occurrence of DNA in plastids. (Ge) *Z. Pflanzenphysiol.* 54(5):386-394. Ref. May 1966. 450 Z32
English summary.
Tradescantia albiflora
- 6695 STRUNK, C. The substructure of the tips of hyphae of *Polystictus versicolor*. 7 p. Ref. Transl. 16148
Translation from *Zeitschrift für Allgemeine Mikrobiologie* 3(4):265-274. 1963.
- 6696 SYLVEN, N. Variations in shape of leaves of Swedish aspen [*Populus tremula*]. (Sw) *Bot. Not.* 119(2):169-176. 1966. 450 B656
- 6697 TAILLANDIER, J. Comparison of behavior of brachyblasts and mesoblasts of *Pinus maritima* Lam. by histoautographic technique, during formation of chip. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(1):32-35. July 4, 1966. 505 P21
- 6698 TAYLOR, F. G. Predicted seasonal radiosensitivity of southeastern tree species. *Radiat. Bot.* 6(4):307-311. Ref. Aug. 1966. 450 R11
Cytological study.
- 6699 THERET, J. W. Seeds of some United States Phytolaccaceae and Aizoaceae. *SIDA* 2(5):352-360. Sept. 1966. 450 S11
Morphological study.
- 6700 THURLING, N. Population differentiation in Australian Cardamine. I-II. *Australian J. Bot.* 14(2):167-194, map. Ref. July 1966. 450 A-79
- 6701 TIAGI, B. Development of the seed and fruit in *Rhinanthus major* and *R. serotinus*. *Amer. J. Bot.* 53(7):645-651. Ref. Aug. 1966. 450 Am36

- 6702 TIAGI, B. Floral morphology of *Cuscuta reflexa* Roxb. and *C. lupuliformis* Krockwer with a brief review of the literature on the genus *Cuscuta*. Bot. Mag. Tokyo 79(932/933):89-97. Ref. Feb./Mar.1966. 450 B651
- 6703 TRUSCOTT, F. H. Some aspects of morphogenesis in *Cuscuta groenlandica*. Amer. J. Bot. 53(7):739-750. Ref. Aug.1966. 450 Am36
- 6704 TU, K. H. An introduction to two plants for showing the pollination function. (Ch) Shengwuxue Tongbao 1:37. Jan.1966. 442.8 Sh4
Pollen of beans and peas.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:10. Mar.11,1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 6705 TUCKER, S. C., and GIFFORD, E. M. Carpel development in *Drimys lanceolata*. Amer. J. Bot. 53(7):671-678. Ref. Aug.1966. 450 Am36
- 6706 TUNG, Y. T. A simple way to get wheat coleoptile for study. (Ch) Shengwuxue Tongbao 1:18. Jan.1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:4. Mar.11,1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 6707 TURNER, B. L. Chromosome numbers in *Stackhousia* (Stackhousiaceae). Australian J. Bot. 14(2):165-166. July 1966. 450 Au72
- 6708 VELASCO-DEMETRIO, E. G., and others. Cytological and histological studies of sterility in *F1* hybrids of twelve indica-japonica crosses. Philippine Agr. 49(4):248-259. Ref. Sept.1965. 25 P542
S. Ando, D. A. Ramirez, and T. T. Chang, joint authors.
- 6709 VOSA, C. G. Chromosome variation in *Tulbaghia*. Heredity 21(2):305-312. May 1966. 443.8 H42
- 6710 VOSA, C. G. New chromosome numbers in *Tradescantia virginiana*. Heredity 20(3):467-469. Ref. Aug.1965. 443.8 H42
- 6711 WALTERS, M. S. Development and chemical constitution of a nuclear body in microspores of *Bromus*. Heredity 21(2):173-181. Ref. May 1966. 443.8 H42
Chromosome activity.
- 6712 WANG, C. J. K. Annelophores in *Torula jeanselmei*. Mycologia 58(4):614-621. Ref. July/Aug.1966. 450 M99
- 6713 WARTENBERG, A. Determination of the main birefringence of *Mesotaenium chloroplasts*. (Ge) Deut. Bot. Ges. Ber. 78(10):427-440. 1965. 451 D48
Microscopy of *M. caldariarum*, *M. violascens*, and *M. braunii*.
- 6714 WILD, H., and HEYTING, A. An analysis of variation of leaf dimensions in *Betula homblei* (De Wild.) DuRoi. & Plancke and *Betula obovatum* (E. Mey.) N. E. Br. Bot. Not. 119(2):349-357. map. 1965. 450 B656
- 6715 WILSON, G. L. Studies on the expansion of the leaf surface. V. Cell division and expansion in a developing leaf as influenced by light and upper leaves. J. Exp. Bot. 17(52):440-451. Ref. Aug.1966. 450 J8224
Cucumber.
- 6716 WITTMANN, W. Pneumatophoric roots of *Cycadaceae* as an example of the nonparasitic change of the form of plant parts. (Ge) Pflanzenarzt 19(3):22. Mar.1,1966. 464.9 P482
Includes symbiosis of algae with *Cycadaceae* as ornamental plants.
- 6717 YANG, S. F. A study of the method of determining the age of *Phyllotachys pubescens* Mazel H. de Lehaie. (Ch) Sci. Silvae 10(2):193-196. Apr.1965. 99.8 L632
Morphology.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 8:8. Nov.5,1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 6718 YATAIKINA, I. N. A comparison of characteristics of normal *Beta vulgaris* plants and of plants grown from callus tissue. (Rus) Fiziol. Rast. 12(4):736-739. 1965. 450 F58
- 6719 ZANDONELLA, P. Honey tube of *Caryophyllaceae*; drainage of the granular tissue in the tribe *Diantheae*. (Fr) Acad. Sci. Comp. Rend. Ser. D. 263(2):109-111. July 11,1966. 505 P21

ECOLOGY

- 6720 ANDERSON, M. C. Stand structure and light penetration. J. Appl. Ecol 3(1):41-54. Ref. May 1966. 410 J828
- 6721 AUDRU, J. Ecological note on *Ischaemum aegyptium* J. P. Lebrun. (Fr) J. Agr. Trop. Bot. Appl. 13(1/3):56-58. Jan./Mar.1966. 26 J822
- 6722 BIERI, R., and ANLIOT, S. F. The structure and floristic composition of a virgin hemlock [*Tsuga canadensis*] forest in West Virginia. Castanea 30(4):205-226. map. Ref. Dec.1965. 450 So82
Ecology.
- 6723 BLOOD, D. A. The *Festuca scabrella* association in Riding Mountain National Park, Manitoba. Can. Field-Natur. 80(1):24-32. map. Ref. Jan./Mar.1966. 410.9 O18
- 6724 CALIFORNIA UNIVERSITY. LABORATORY OF NUCLEAR MEDICINE AND RADIATION BIOLOGY. (LOS ANGELES). Ecology of Nevada test site. I-IV, by Janice C. Beatley. Los Angeles, 1965. 4 pt. map. Ref. [U.S. Atomic Energy Commission] UCLA 12-553-555,571) 463.89 C1222
Effects of radiation on plant ecology and flora.
- 6725 CORE, E. L. Vegetation of West Virginia. Parsons, McClain Printing Company, 1966. 217 p. QK193.C6
Ecology and flora.
- 6726 DIAZ, H. B. Natural pastures in the El Bachi (Dept. Barrurayacu), Tucuman Province zone. (Sp) Tucuman. Estac. Exp. Agr. Ref. Ind. Agr. Tucuman 43(2/3):43-94. Ref. May/Dec. 1965. 9 T79
English summary.
Plant associations.
- 6727 DIGERFELDT, G. Notes on the development and limnology of Ranviken Bay in Lake Innern. (Sw) Bot. Not. 119(2):216-232. map. Ref. 1966. 450 B656
English summary.
Plant associations including *Trapa natans*.
- 6728 DONOV, V. On the basis of positive experience. (Bu) Gorsko Stopanstvo 22(6):15-17. June 1966. 99.8 G682
Methods applied in forest ecology studies.
- 6729 EHRENDORFER, F. Plant life in the deserts of North America. In Reisigl, H. ed. The world of flowers, p.166-169. 1965. QK86.R4
Chiefly ecology.
- 6730 FLORICICA, N., and STANCIU, C. Regeneration in the forest district Snagov. (Rum) Rev. Padurilor 81(6):325-329. June 1966. 99.8 R327
- 6731 FOLLMANN, G. When the *Atacama* flowers. In Reisigl, H. ed. The world of flowers, p.163-165. 1965. QK86.R4
Ecology of desert plants of northern Chile.
- 6732 GILLHAM, M. E. A naturalist in New Zealand. London, Museum Press, 1966. 285 p., map. QH197.G5
Includes plant ecology.
- 6733 HARVILL, A. M. The vegetation of Parramore Island, Virginia. Castanea 30(4):226-228. Dec. 1965. 450 So82
Ecology.
- 6734 HIGGINSON, F. R. The distribution of submerged aquatic angiosperms in the Tuggerah Lakes system. Linn. Soc. New S. Wales, Proc. 90(3):328-334. map. Ref. 1965. 514 Sy2
Ecological study.

- 6735 HO, C. T., and LIU, T. C. A preliminary study of solar radiation within a forest. (Ch) *Scientia Silvae* 10(3):274-275. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:11. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 6736 IL'INSKAYA, S. A., and BRYSOVA, L. P. Lesa Zeiskogo Priamur'ya [Forests in the Zeya area of the Amur Valley]. Moskva, Nauka, 1965. 209 p., map. Ref. SD232.A4514
Types.
- 6737 KAYLL, A. J. Some characteristics of heath fires in north-east Scotland. *J. Appl. Ecol.* 3 (1):29-40. May 1966. 410 J828
Burning of Calluna vulgaris.
- 6738 KING, D. L., and BALL, R. C. A qualitative and quantitative measure of aufwuchs production. *Amer. Microscop. Soc. Trans.* 85(2):232-240. Ref. Apr. 1966. 440.9 Am33
Includes algae and fungi as periphyton.
- 6739 LOTSCHERT, W. Contributions to the ecology of the sub-Atlantic dwarf-shrub heath [Calluna] of N.W. Germany. III. Precipitation in various exposures and CO₂ emission from the soil. (Ge) *Beitr. Biol. Pflanzen* 41(3):359-366. Ref. 1965. 450 C66
- 6740 MEDINA, E. Über die Beziehungen zwischen Chlorophyllgehalt, assimilierender Fläche und Trockensubstanzproduktion einiger Pflanzen-gemeinschaften [On the relations between chlorophyll content, assimilating surfaces, and dry matter production of some plant communities]. Hohenheim. *Landwirt. Hochsch. Diss.* 11,60 p. Ref., p. 57-59. Jan. 1964. 105.8 H686D
- 6741 MONTALDO B., P. Principios ecologicos en la determinacion de unidades basicas y su aplicacion para el Estado Aragua, Venezuela [Ecological principles in determining basic units and their application to the State of Aragua, Venezuela]. Venezuela. Univ. Cent. Fac. Agron. Rev. *Alcance* 10,92 p., map. Ref. May 1966. 9.95 V555R
- 6742 MULYARCHUK, S. O. Present condition of European spruce [*Picea abies* (L.) Karsten] plantings in the Dnieper left-bank Polesye. (Ukr) *Ukr. Bot. Zh.* 23(3):111-118, map. Ref. 1966. 450 J821J
English summary.
- 6743 NAN, Y. K., and HUANG, Y. H. Geobotanic stationary investigation in the vicinity of the village of Zhao-khe of Heilungkiang. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yeh Chiu So Chi K'an 2:134-156. Aug. 1965. Not in Libr.
Forest ecology.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 32:16-17. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
Issued by CFSTI.
- 6744 NEUHAUSL, R., and NEUHAUSLOVA-NOVOTNA, N. Z. Geobotanic characteristics of the forest "Vidrholec" near Prague. (Cz) *Preslia* 38 (3):285-307. Ref. 1966. 450 P92
German summary.
- 6745 OSYCHNYUK, V. V. Alteration of the vegetation of Khomutov steppe reservation during forty years. (Ukr) *Ukr. Bot. Zh.* 23(4):50-56. 1966. 450 J821J
English summary.
Caused by ecological influence of some grasses.
- 6746 PELISEK, J. Saline soils and halophytes in Rumania. (Cz) *Ziva* 14(4):127-218. June 1966. 409.6 Z6
- 6747 PETROV, M. P. Pustyni Tsentral'noi Azii [Deserts of the Central Asia]. V. 1. Moskva, Nauka, 1966. 272 p., map. Ref. GB618.79.P4
Includes vegetation and soil types.
- 6748 PISKERNIK, M. Forest vegetation of the Slovenian littoral. (Sl) *Ljubljana. Inst. Gozdno Lesno Gosp. Sloven. Zb.* 4:89-137, map. Ref. 1965. 99.9 L76
German summary.
- 6749 POLSKA AKADEMIA NAUK. INSTYTUT EKOLOGII. Report on scientific activities for the period 1963-1964. Warsaw, 1966. 127 p. Ref. QH540.P6
Chiefly plant ecology.
- 6750 POOK, E. W., and MOORE, C. W. E. The influence of aspect on the composition and structure of dry sclerophyll forest on Black Mountain Canberra, A.C.T. *Australian J. Bot.* 14(2): 223-242, map. Ref. July 1966. 450 Au72
- 6751 QUEZEL, P. La vegetation du Sahara, du Tchad a la Mauritanie [Vegetation of the Sahara, from Chad to Mauritania]. *Geobot. Selec.* 2,333 p., map. Ref. 1965. 450 G29
Bibliography, p. 328-333.
Ecological regions and their flora.
- 6752 RADKOV, I. Application of dialectical method in forest typology. (Bu) *Selskостopanska Nauk.* 4(3):69-78. Ref. 1965. 21 Se492
- 6753 SCHNELLE, R. Phytogeographical, ecological, and economic problems of the Brazilian caatinga. (Fr) *J. Agr. Trop. Bot. Appl.* 13 (1/3):59-90, map. Ref., p. 88-90. Jan./Mar. 1966. 26 J822
- 6754 SHCHOLOKOVA, I. P. Yeasts and yeast-like fungi in the epiphytic microflora of some silage plants. (Ukr) *Mikrobiol. Zhur.* 26(6):13-19. Ref. 1964. 448.3 K54
English summary.
- 6755 SPORLE, E. K. Research on the water budget of grasslands in the Neckar Valley between Rotenburg and Pliezhausen. (Ge) *Baden-Württemberg. Landesstelle Naturschutz Landschaftspflege. Veröffentlichungen* 33:7-145. Ref. 1965. 410.9 W96
Effects on plant communities.
- 6756 STEPHENS, S. G. The potentiality for long range oceanic dispersal of cotton seeds. *Amer. Natur.* 100(912):199-210, map. Ref. May/June 1966. 470 Am36
- 6757 STRID, A. The nature park of the Botanical Garden in Gothenburg. An investigation of soils and vegetation. (Sw) *Acta Horti Goto-burgensis* 28:69-179, map. Ref. 1966. 451 G712
English summary.
Chiefly plant ecology.
- 6758 VIERECK, L. A. Plant succession and soil development on gravel outwash of the Muldrow glacier, Alaska. *Ecol. Monogr.* 36(3):181-199, map. Ref. Summer 1966. 410 Ec72
- 6759 YURKEVICH, I. D., and GEL'TMAN, V. S. Geografiya, tipologiya i raionirovanie lesnoi rastitel'nosti Belorussii [Geography, typology and regionalization of forest vegetation in Belorussia]. Minsk, Nauka i Tekhnika, 1965. 287 p., map. Ref. SD208.W519

GENETICS

- 6760 AMES, I. H., and MITRA, J. Spontaneous reduction of somatic chromosomes in *Haplopus gracilis*. *Nature [London]* 210(5039):973-974. May 28, 1966. 472 N21
- 6761 ANTON-LAMPRECHT, I. Contributions to the problem of plastid alteration. III. On the occurrence of "back-mutations" in a spontaneously derived variegated plant of *Epilobium hirsutum*. (Ge) *Z. Pflanzenphysiol.* 54(5):417-445. Ref. May 1966. 450 Z32
English summary.
- 6762 BALL, P. N., and HECHT, A. The genetics of self-incompatibility in *Oenothera rhombipetala*. *Genetica* 36(2):159-171. Ref. 1965. 442.8 G282
- 6763 BETTER fruit thanks to chimeras and mutations. *Int. Fruit World* 25(2):92, 95, 97, 99, 101-102, 105, 107. Summer 1966. 286.83 F9426
Text also in French and German.
- 6764 BRAT, S. V. Genetic systems in *Allium*. III. Meiosis and breeding systems. *Heredity* 20(3):325-339. Ref. Aug. 1965. 443.8 H42
- 6765 BREESE, E. L., HAYWARD, M. D., and THOMAS, A. C. Somatic selection in perennial ryegrass. *Heredity* 20(3):367-379. Ref. Aug. 1965. 443.8 H42

- 6766 BROCK, R. D. Second cycle of mutation and selection for quantitative variation in *Trifolium subterraneum*. *Radiat. Bot.* 6(4):357-369. Aug.1966. 450 R11
Radiation-inheritance study.
- 6767 BRUCKNER, F. The inheritance of resistance of some varieties of barley to the powdery mildew (*Erysiphe graminis* DC.) and its utilization in breeding. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(4):1-8. Ref. Oct.1965. QH431.A1S25
English summary.
- 6768 BURNETT, J. H., and EVANS, E. J. Genetical homogeneity and the stability of the mating-type factors of "fairy rings" of *Marasmius oreades*. *Nature [London]* 210(5043):1368-1369. June 25, 1966. 472 N21
- 6769 BUSBICE, T. H., and WILSIE, C. P. Genetics of *Medicago sativa* L. I. Inheritance of dwarf character. *Dw. Crop Sci.* 6(4):327-330. Ref. July/Aug.1966. 64.8 C883
- 6770 BUSBICE, T. H., and WILSIE, C. P. Heritability of "ease of tripping" in alfalfa and its possible relation to seed setting. *Crop Sci.* 6(4):377-378. July/Aug.1966. 64.8 C883
- 6771 CARTIER, D. Origin of polyploidy in *Plantago atrata* Hoppe. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):124-127, map. July 11, 1966. 505 P21
- 6772 CERNY, J., VLK, J., and JECH, Z. Utilization of chronic gamma rays for inducing mutation. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(2):31-44. Ref. Apr.1965. QH431.A1S25
English summary.
In plants.
- 6773 CHEVAUGEON, J. Demonstration of the repression mechanism of extrachromosomal variation in *Pestalotia annulata*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):120-123. July 11, 1966. 505 P21
- 6774 COYNE, D. P. A mutable gene system in *Phaseolus vulgaris* L. *Crop Sci.* 6(4):307-310. Ref. July/Aug.1966. 64.8 C883
- 6775 DADAY, H. Gene frequencies in wild populations of *Trifolium repens* L. IV. Mechanism of natural selection. *Heredity* 20(3):355-365. Ref. Aug.1965. 443.8 H42
- 6776 DELCHEV, I. Investigations into the vegetative hybrids of beans of V₃ - third seed generation. (Bu) *Rastenievudni Nauk.* 2(2):3-10. Ref. 1965. 64.8 R18
English summary.
- 6777 FADEEVA, T. S., and IRKAEVA, N. M. Quality of pollen in reciprocal heterosis combinations of strawberry hybrids. (Rus) Leningr. Un-t. Issled. po Genetike 2:140-149. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:3. Aug.1965. Film S-202
- 6778 AL-FAKHRY, A. K., GROGAN, C. O., and SARVELLA, P. Some genetic studies on *bababala*, *Pennisetum typhoides* L. (Rich.). *Z. Pflanzenzucht.* 54(2):182-187. Nov.1965. 450 Z36
- 6779 FUJII, T., IKENAGA, M., and LYMAN, J. T. Radiation effects on *Arabidopsis thaliana*. II. Killing and mutagenic efficiencies of heavy ionizing particles. *Radiat. Bot.* 6(4):297-306. Ref. Aug.1966. 450 R11
Gamma ray study of seeds.
- 6780 GEORGIEV, KH. Mutations and their significance in the evolution and selection of plants. (Bu) *Priroda [Sofia]* 14(2):23-27. Mar./Apr. 1965. 410 P934
- 6781 GOLDENBERG, J. B., and CASTRONOVO, A. Medicion y aprovechamiento de la variabilidad genética de una población de haba (*Vicia faba* L.) [Measurement and use of the genetic variability of a population of broadbeans (*Vicia faba* L.)]. *Rev. Invest. Agropecuar.* Ser. 2, Biol. Prod. Veg. 3(3):21-42. Ref. 1966. 9 R3232
- 6782 GOODE, M. J. Induced disease resistance in plants. *Ark. Farm Res.* 15(4):11. July/Aug. 1966. 100 A42F
Genetic resistance; a study of cucumber anthracnose caused by *Colletotrichum orbiculare*.
- 6783 GRINDELAND, R. L., and FROHBERG, R. C. Outcrossing of oat plants (*Avena sativa* L.) grown from mutagen-treated seeds. *Crop Sci.* 6(4):381-382. July/Aug.1966. 64.8 C883
With thermal neutrons and ethyl metanesulfonate.
- 6784 GRUN, P., and AUBERTIN, M. The inheritance and expression of unilateral incompatibility in *Solanum*. *Heredity* 21(1):131-138. Ref. Feb. 1966. 443.8 H42
- 6785 HACKBARTH, J. Experiments with colchicine treatment of lupines and the discovery of a tetraploid form of *Lupinus angustifolius*. (Ge) *Z. Pflanzenzucht.* 54(3):259-271. Ref. Dec. 1965. 450 Z36
English summary.
- 6786 HANOVER, J. W. Genetics of terpenes. I. Gene control of monoterpene levels in *Pinus monticola* Dougl. *Heredity* 21(1):73-84. Ref. Feb.1966. 443.8 H42
- 6787 HARDING, J., ALLARD, R. W., and SMELTZER, D. G. Population studies in predominantly self-pollinated species. IX. Frequency-dependent selection in *Phaseolus lunatus*. *Nat. Acad. Sci. Proc.* 56(1):99-104. July 1966. 500 N21P
Genetic study.
- 6788 HAYWARD, M. D., and BREESE, E. I. The genetic organization of natural populations of *Lolium perenne*. 1. Seed and seedling characters. *Heredity* 21(2):287-304. Ref. May 1966. 443.8 H42
- 6789 HESLOT, H., NAGY, M., and WHITEHEAD, E. Genetic and biochemical studies on the first enzyme of purine biosynthesis in *Schizosaccharomyces pombe*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):57-58. July 4, 1966. 505 P21
- 6790 HILL, J. Recurrent backcrossing in the study of quantitative inheritance. *Heredity* 21(1):85-120. Ref. Feb. 1966. 443.8 H42
Nicotiana rustica.
- 6791 HOWARD, H. W. Recombination value for genes E and M in potatoes. *Heredity* 21(2):313-315. May 1966. 443.8 H42
- 6792 HOWARD, H. W. A sectorial entire-pinnate leaf chimera in the potato variety *Majestic*. *New Phytol.* 65(3):284-287. July 1966. 450 N42
Genetic study utilizing X-rays.
- 6793 HU, S. L., and CHU, C. C. Investigation of sexual process in interspecific crosses between *Gossypium hirsutum* and *G. arboreum*. (Ch) *Acta Bot. Sinica* 13(4):314-329. Dec.1965. 450 C432
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communistic Chin. Sci. Abstr. Bio-Med. Sci.* 45:19. Feb.24, 1966. (JPRS 34,284; TT 66-30725) 241.7 Un34C
Issued by CFSIL.
- 6794 JACOBSEN, P. Demarcation of mutant-carrying regions in barley plants after ethylmethane-sulfonate seed treatment. *Radiat. Bot.* 6(4):313-328. Ref. Aug.1966. 450 R11
- 6795 JAKOB, K. M., and ATSMON, D. Sex inheritance in *Ricinus communis* L.: Evidence for a genetic change during the ontogeny of female sex reversals. *Genetica* 36(3):253-259. 1965. 442.8 G282
- 6796 JAMES, S. H. Complex hybridity in *Isotoma petraea*. I. The occurrence of interchange heterozygosity, autogamy and a balanced lethal system. *Heredity* 20(3):341-353, map. Ref. Aug.1965. 443.8 H42
- 6797 JENNINGS, P. R. Comparative F₂ and F₃ fertility in partially sterile rice hybrids. *Crop Sci.* 6(4):316-318. July/Aug.1966. 64.8 C883
- 6798 JOHNSON, V. A., and others. Inheritance of plant height, yield of grain, and other plant and seed characteristics in a cross of hard red winter wheat, *Triticum aestivum* L. *Crop Sci.* 6(4):336-338. July/Aug.1966. 64.8 C883
K. J. Biever, A. Haunold, and J. W. Schmidt, joint authors.
- 6799 JONES, N., and REES, H. Chiasma frequencies and the potential genetic variability of *Lolium* populations. *Nature [London]* 211(5047):432-433. July 23, 1966. 472 N21

- 6800 KIRYAKOV, K., SEVOV, A., and VULCHINKOV, V. Genetical study of corn double hybrids in dependence on their parental forms. (Bu) Rasteniyevodni Nauk. 2(6):3-11. 1965. 64.8 R18 English summary.
- 6801 KOELLE, G. Critical observations on the use of statistical methods in the genetic analysis of constituents of nicotine. (Ge) Z. Pflanzenzucht. 54(1):61-69. Ref. Oct.1965. 450 Z36 English summary.
Three tobacco varieties examined.
- 6802 LAGADINOVA-STAIKOVA, E. Inheritance of characteristics in hybrids, developed from the crossing of *Triticum aestivum* with *Triticale*. (Bu) Rasteniyevodni Nauk. 2(4):3-16. Ref. 1965. 64.8 R18 English summary.
- 6803 LEBEDEV, D. V. From the history of the ideas of Soviet genetics (N. I. Vavilov and V. I. Tsel'iev). 7 p. Ref. (JPRS 31,112; TT 65-31610) Transl. 15364
Chiefly in relation to plants.
Translation from *Botanicheskii Zhurnal* 50(5): 730-733. 1965.
CFSTI: \$1.00.
- 6804 LOEGERING, W. Q., and SEARS, E. R. Relationships among stem rust [Puccinia graminis tritici] genes in wheat chromosomes 2B, 4B, and 6B. *Crop Sci.* 6(2):157-160. Mar./Apr. 1966. 64.8 C883
- 6805 LUG, N. H., and WATSON, I. A. Studies on the genetic nature of resistance to Puccinia graminis var. tritici in six varieties of common wheat. *Linn. Soc. New S. Wales, Proc.* 90 (3):299-327. Ref. 1965. 514 Sy2
- 6806 MACDONALD, A. S. Variation in open pollinated sweet potato seedlings in Buganda, East Africa. *East Afr. Agr. Forest. J.* 31(2):183-188. Oct.1965. 24 Ea74
Includes yields.
- 6807 MADJOLELO, S. D. P., GROGAN, C. O., and SARVELLA, P. A. Morphological expression of genetic male sterility in maize (*Zea mays* L.). *Crop Sci.* 6(4):379-380. July/Aug.1966. 64.8 C883
- 6808 MALUKHINA, V. F. Application of minor elements to stimulate heterosis of corn hybrids. (Rus) In *Microelementy v Zhizni Rast. Zhivotnykh i Cheloveka* 1964:168-170. 386.2 K542
Seed treatment.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 15:1. Aug.1965. Film S-202
- 6809 MEDVEDEVA, G. S. Inheritance of morphological and economic properties of tomato hybrids depending on crossing methods. (Uk) Kartoflya, Ovochevi ta Bashnani Kul'rury 1:34-37. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:11. Aug.1965. Film S-202
- 6810 MIRAKHMEDOV, S. Study of genetical nature of cotton resistance to Verticillium wilt. (Rus) In *Materialy Vses. simpoziuma po bor'be s vil'tom khlopatnika* 1963:102-108. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:14. Aug.1965. Film S-202
- 6811 MORPURGO, G., and others. Mutants for respiratory adaptation in *Saccharomyces cerevisiae*. *Accad. Naz. Lincei. Cl. Sci. Fis. Mat. Natur. Atti. Rendic. (ser.8)* 39(5):344-347. Nov. 1965. 507 R66
G. Serlupi-Crescenzi, G. Trezza, D. Venetaccini, and G. Montalenti, joint authors.
- 6812 MUKHERJEE, D., and others. Inheritance of resistance to bacterial blight (*Pseudomonas glycinea* Cooper) in soybeans (*Glycine max* L.). *Crop Sci.* 6(4):324-326. July/Aug.1966. 64.8 C883
J. W. Lambert, R. L. Cooper, and B. W. Kennedy, joint authors.
- 6813 MURRAY, J. C., and BRINKERHOFF, L. A. Inheritance of a pale-green color mutant in cotton. *Crop Sci.* 6(4):375. July/Aug.1966. 64.8 C883
- 6814 NETTEVICH, E. D. Study of heterosis of spring wheat hybrids from the first generation. (Rus) *Selek. Semenovodstvo* 2:41-42. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:7. Aug.1965. Film S-202
- 6815 NOSOVA, P. P. Resistance to the virus of tobacco mosaic in descendants of amphidiploid *Nicotiana glauca* repeatedly crossed with tobacco. (Rus) *Tabak* 4:41-42. 1964. 69.8 T112
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:14. Aug.1965. Film S-202
- 6816 PAL, GY., and RAJKI, E. *Solanum melongena* L. x *Solanum gilo* rad. hybrids. *Acta Agron. [Budapest]* 15(1/2):37-44. 1966. 19 Ac5
- 6817 PARAG, Y., and NACHMAN, B. Diploidy in the tetrapolar heterothallic basidiomycete *Schizophyllum commune*. *Heredity* 21(1):151-154. Ref. Feb.1966. 443.8 H42
- 6818 RAJKI, E., and RAJKI, S. Research work on hybrid wheat at Martonvasar. *Acta Agron. [Budapest]* 15(1/2):199-214. Ref. 1966. 19 Ac8
Genetical studies, chiefly.
- 6819 RESNICK, M. A., and MORTIMER, R. K. Unsaturated fatty acid mutants of *Saccharomyces cerevisiae*. *J. Bacteriol.* 92(3):597-600. Ref. Sept.1966. 448.3 J82
- 6820 RILEY, R., CHAPMAN, V., and BELFIELD, A. M. Induced mutation affecting the control of meiotic chromosome pairing in *Triticum aestivum*. *Nature [London]* 211(5047):368-369. July 23,1966. 472 N21
- 6821 ROBERTSON, D. S. Allelic relationships and phenotypic inter-actions of four dominant modifiers of the *cl1* locus in maize. *Heredity* 21(1):1-7. Feb.1966. 443.8 H42
- 6822 ROD, J., and MARVANNOVA, L. Study on the inheritance of resistance to *Peronospora aestivalis* Syd. by hybrids of alfalfa. (Cz) *Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 1(3):79-90. Ref. Aug.1965. QH43.LA525
English summary.
- 6823 ROHRBACH, U. Contributions on the problem of pollen sterility in *Beta vulgaris* L. II. Investigations on the effect of provenance on the phenotype of the character "pollen sterility." (Ge) *Z. Pflanzenzucht.* 54(1):23-45. Ref. Oct.1965. 450 Z36
English summary.
- 6824 ROHRBACH, U. Contributions on the problem of pollen sterility in *Beta vulgaris* L. III. Investigations on the effect of the environment on the phenotypic expression of the character "pollen sterility." (Ge) *Z. Pflanzenzucht.* 54(2):111-129. Ref. Nov.1965. 450 Z36
English summary.
- 6825 ROHRBACH, U. Contributions on the problem of pollen sterility in *Beta vulgaris* L. IV. Investigations on the effect of pollen sterility on the seed and root yield of sugar beet. (Ge) *Z. Pflanzenzucht.* 54(3):193-205. Ref. Dec. 1965. 450 Z36
English summary.
- 6826 SCHMIDT, J. W., and others. Comparison of the chromosome substitution and monosomic methods for wheat quality studies. *Crop Sci.* 6(4):370-372. July/Aug.1966. 64.8 C883
R. Morris, V. A. Johnson, and P. J. Mattern, joint authors.
- 6827 SCHWARZBACH, E. Rapid determination of gluten quality. (Ge) *Z. Pflanzenzucht.* 54(3): 272-273. Dec.1965. 450 Z36
Genes.
- 6828 SHAPIRO, N. Effects of X-rays on frequency of mutations in hydrated wild-type tomato pollen. *Radiat. Bot.* 6(4):337-350. Ref. Aug. 1966. 450 R11
- 6829 SHPEL', N. A. Hybridization of sorghum on the basis of male-sterility. (Rus) *Selek. Semenovodstvo* 2:42-47. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:11. Aug.1965. Film S-202
- 6830 SHULYDIN, A. F., and NAUMOVA, L. N. Amphidiploids, obtained by crossing winter wheat with rye. (Rus) *Selek. Semenovodstvo* 1:52-55. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:6. Aug.1965. Film S-202
- 6831 SIMCHEN, G. Monokaryotic variation and haploid selection in *Schizophyllum commune*. *Heredity* 21(2):241-263. Ref. May 1966. 443.8 H42
- 6832 SIMMONDS, N. W. Plant and seed colours in *Canahua*, *Chenopodium pallidicaule*. *Heredity* 21(2):316-317. May 1966. 443.8 H42

- 6833 SPECTOR, C., and PHINNEY, B. O. Gibberellin production: genetic control in the fungus *Gibberella fujikuroi*. *Science* 153(3742):1397-1398. Ref. Sept. 16, 1966. 470 Sc12
- 6834 STAHL, E., and JORK, H. Chemical races in drug plants. IV. Heredity differences in the composition of the essential oil of *Asarum europaeum* L. (Ge) *Arch. Pharm.* 299(8):670-679. Ref. Aug. 1966. 396.8 Ar2A
- 6835 STREITBERG, H. Production of economically valuable bud variants in roses by treatment with X-rays. (Ge) *Z. Pflanzenzucht.* 55(2):165-182. Ref. Apr. 1966. 450 Z36
English summary.
- 6836 SYBENGA, J. The quantitative analysis of chromosome pairing and chiasma formation based on the relative frequencies of M1 configurations. I. Introduction: normal diploids. *Genetica* 36(3):243-252. 1965. 442.8 G282 Rye.
- 6837 TARANYUK, M. I., and SEMENKO, N. M. Inheritance of pollen sterility in sugar beets. (Rus) *Selek. Semenovodstvo* 2:47-49. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:11. Aug. 1965. Film S-202
- 6838 TAURO, P., and HALVORSON, H. O. Effect of gene position on the timing of enzyme synthesis in synchronous cultures of yeast. *J. Bacteriol.* 92(3):652-661. Ref. Sept. 1966. 446.3 J82
- 6839 TILNEY-BASSETT, R. A. E. Genetics and plastid physiology in *Parlagonium* [zonale]. II. Heredity 20(3):451-466. Aug. 1965. 443.8 H42
- 6840 TING, Y. C. Spontaneous chromosome inversions of Guatemalan teosintes (*Zea mexicana*). *Genetica* 36(3):229-242. Ref. 1965. 442.8 G282
- 6841 TRENINA, G. A., BIBKOVA, M. V., and SARUKHANOVA, L. E. Production of mutants with respiration defects in various yeast species. (Rus) *Mikrobiologiya* 34(2):300-304. Mar./Apr. 1965. 448.3 M582
English summary.
- 6842 TUCKER, C. L., and HARDING, J. Quantitative studies on mating systems. II. Estimation of fitness parameters in a population of *Phaseolus lunatus*. *Heredity* 20(3):393-402. Ref. Aug. 1965. 443.8 H42
- 6843 VILLAREAL, R. L., and LANTICAN, R. M. The cytoplasmic inheritance of susceptibility to Helminthosporium leaf spot in corn. *Philippine Agr.* 49(4):294-300. Sept. 1965. 25 P942
Helminthosporium maydis.
- 6844 VOZDA, J., and JAVOREK, E. Evaluation of self-pollinated corn lines according to their reaction to the T type of cytoplasmic pollen sterility. I. The foreign assortment. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 1(4):9-24. Ref. Oct. 1965. QH431.A1S25
English summary.
- 6845 WEITZMAN, L., and SILVA, M. Linkage group I of *Nannizzia incurvata*. *Mycologia* 58(4):580-584. Ref. July/Aug. 1966. 450 M99
Genetic study of mutants.
- 6846 WEITZMAN, L., and SILVA, M. Variation in the *Microsporium gypseum* complex. II. A genetic study of spontaneous mutation in *Nannizzia incurvata*. *Mycologia* 58(4):570-579. July/Aug. 1966. 450 M99
- 6847 WILKIE, D., and LEE, B. K. A cytoplasmic factor in the resistance of yeast cells to actidione and its response to UV-irradiation. *Genetica* 36(3):266-276. 1965. 442.8 G282
- 6848 WOODS, R. A., and BEVAN, E. A. Interallelic complementation at the ad-2 locus of *Saccharomyces cerevisiae*. *Heredity* 21(1):121-130. Ref. Feb. 1966. 443.8 H42
- 6849 WU, I. M. An experiment on the application of colchicine for promoting polyploidy functions of plants. (Ch) *Shengwuxue Tongbao* 1:38-40. Jan. 1966. 442.8 J. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 52:10. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 6850 ZADINA, J. Problems involved in the breeding of potatoes resistant to *Spongospora subterranea* (Wallr.) Johnson. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 1(3):71-78. Aug. 1965. QH431.A1S25
English summary.
- 6851 ZAMECNIK, J. Basic principles of heredity. (Cz) *Chmelarstvi* 38(4):62-63. (Cont.) Apr. 20, 1966. 70.8 C33
Genetics of hops.
- 6852 ZOBEL, B. J., and others. Variation and inheritance of cellulose in the southern pines. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(9):383-387. Ref. Sept. 1966. 302.8 T162
R. Stoneycypher, C. Browne, and R. C. Kellison, joint authors.
- 6853 ZOZ, N. N., and MAKAROVA, S. I. A cytological analysis of mutagenic action of nitrosoethylurea and nitrosomethylurea. (Rus) *Tsitologiya* 7(3):405-408. May/June 1965. 442.8 T78
English summary.
Effects on wheat.
- 6854 ZUBER, M. S. Genic control of starch development. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.43-63. 1965. TP415.W5
Review of the literature.
- 6855 ZYBINA, E. V., and TIKHOMIROVA, M. M. On the nature of sex chromatin. (Rus) *Tsitologiya* 7(5):585-601. Ref. Sept./Oct. 1965. 442.8 T78
English summary.
In plants and animals.

PHYSIOLOGY AND BIOCHEMISTRY

- 6856 ABDEL-WAHAB, M. F., AMIN, S. W., and BADAWI, M. M. Simple chromatographic method for the separation and estimation of gibberellic acid in crude products. *Z. Anal. Chem.* 219(3):275-278. Ref. 1966. 384 Z3
In plants.
- 6857 AIZENSHTAT, B. A. Variations in vegetation of mountain slopes of eastern and western exposures as affected by climatic factors. (Rus) *Meteorol. Gidrol.* 2:22-26. Feb. 1966. 345 M56
Chiefly solar radiation.
- 6858 AKHTAR, M., HUNT, P. F., and PARVEZ, M. A. The mechanism of the alkylation step in ergosterol biosynthesis. *Chem. Commun.* 16:565-566. Aug. 24, 1966. 382 C4223
By *Saccharomyces cerevisiae*.
- 6859 ALLARD, C. Circumstances of aflatoxin production. (Fr) *Phytlat.-Phytopharm.* 14(2):81-87. June 1965. 464.8 P564
By *Aspergillus flavus*.
- 6860 ALLEWELDT, G. Cyclic disturbances of light in woody plants. (Ge) *Umschau* 66(9):295. May 1, 1966. 474 Um7
Includes photoperiodism.
- 6861 ARMSTRONG, D. J. Hypothesis concerning the mechanism of auxin action. *Nat. Acad. Sci. Proc.* 56(1):64-66. Ref. July 1966. 500 N21P
Relationship to nucleic acid metabolism in plants.
- 6862 ASAU, Z. I., and ROSLANKINA, G. F. *Chlorella* cultures on factory yeast wastes. (Ukr) *Ukr. Bot. Zh.* 23(4):73-79. 1966. 450 J8212J
English summary.
- 6863 ASLYNG, H. C., and JENSEN, S. E. Radiation and energy balances at Copenhagen 1955-1964. *Denmark. Vet.-Landbohjsk. Arsskr.*, 1966: 22-40. Ref. 104 D41A
In relation to water balance and plant growth.
- 6864 AUSTIN, D. J., and CLARKE, D. D. Production of coumarins by *Phytophthora infestans*. *Nature [London]* 210(5041):1165-1166. Ref. June 11, 1966. 472 N21
- 6865 BADENHUIZEN, N. P. Occurrence and development of starch in plants. In Whistler, R. L., and Paschall, E. F., ed. *Starch: chemistry and technology*, v.1, p.65-103. 1965. TP415.W5
Review of the literature.

- 6866 BAKURDZHIEVA, N. Water uptake by over-ground parts of plants and its significance for their water balance. (Bu) Priroda [Sofia] 14 (5):22-25. Sept./Oct.1965. 410 P934
- 6867 BAKURDZHIEVA, N. T. Manganese and plants. (Bu) Priroda [Sofia] 14(2):15-18. Mar./Apr. 1965. 410 P934
In plant physiology.
- 6868 BARNETT, H. L., and LILLY, V. G. Manganese requirements and deficiency symptoms of some fungi. Mycologia 58(4):585-591. Ref. July/Aug.1966. 450 M99
Culture of Chaetomium.
- 6869 BAZILEVIC, N. I., and RODIN, L. E. The biological cycle of nitrogen and ash elements in plant communities of the tropical and subtropical zones. Forest. Abs. 27(3):357-368. 1966. 241.01 Im7
Review of the literature.
Translation from Botanicheskii Zhurnal 49 (2):185-209. 1964.
- 6870 BENDZ, G., SANTESSON, J., and TIBELL, L. Chemical studies on lichens. 2. Thin layer chromatography of aliphatic lichen acids. Acta Chem. Scand. 20(4):1181. 1966. 385 Ac82
- 6871 BEUCHAT, L. R., and others. Inhibition of bacterial growth by chlorophyllide a. Mich. Agr. Exp. Sta. Quart. Bull. 48(3):411-416. Feb. 1966. 100 M585
R. V. Lechowich, S. H. Schanderl, and R. F. McFeeters, joint authors.
Denise, Y. C. Co., cooperating.
Bacillus subtilis, Escherichia coli, and Pseudomonas fluorescens, on Ailanthus altissima leaves.
- 6872 BILAI, V. I., and ZAKORDONETS', I. A. Biosynthesis of free amino-acids by various Fusarium species. (Uk) Mikrobiol. Zhur. 27(3):3-6. 1965. 448.3 K54
English summary.
- 6873 BILLETT, H. M., HUME, W. J., and CROWDEN, R. K. The anthocyanins of Epacris impressa Labill. Roy. Soc. Tasmania. Pap. Proc. 100:71-72. 1966. 514 H65
- 6874 BJORKMAN, O. The effect of oxygen concentration on photosynthesis in higher plants. Physiol. Plant. 19(3):618-633. Ref. 1966. 450 P564
- 6875 BJORKMAN, O., and HOLMGREN, P. Photosynthetic adaptation to light intensity in plants native to shaded and exposed habitats. Physiol. Plant. 19(3):854-859. 1966. 450 P564
- 6876 BLAKLEY, E. R., MYODA, T., and SPENCER, J. F. T. Inhibition of yeast metabolism by 2-deoxyglucose, 6-deoxy-6-fluoroglucose and the corresponding galactose derivatives. Can. J. Biochem. 44(6):927-935. Ref. June 1966. 470 C16E
- 6877 BONDARCHUK, A. A. Investigation of amylase of the mycelium of Penicillium chrysogenum, strain 194. (Uk) Mikrobiol. Zhur. 26(6):40-44. 1964. 448.3 K54
English summary.
- 6878 BONDARCHUK, A. A. Investigation of ribonuclease and desoxyribonuclease activity of the mycelium of Penicillium chrysogenum, strain 194. (Uk) Mikrobiol. Zhur. 27(1):41-44. 1965. 448.3 K54
English summary.
- 6879 BORNKAMM, R. Oxalic acid in the metabolism of higher plants. (Ge) Umschau 66(8):262. Apr.15,1966. 474 Um7
- 6880 BOSIAN, G. The gas exchange problem: demonstration for the non-weighty importance of the stomata movements for assimilation, respiration, and transpiration. (Ge) Deut. Bot. Ges. Ber. 78(10):499-509. Ref. 1965. 451 D48
- 6881 BOTTINI, E., and LEPORI, G. The influence of gibberellin and beta-indoleacetic acid on the biochemical metabolism of some plants. (It) Ann. Sperim. Agr. (n.s.)18(5/6):637-681. 1964, pub.1966. 16 An76
English summary.
- 6882 BRADLEY, S. G., and CREEVY, D. C. Effect of glucose on induction of alpha-glucosidase in Candida [stellatoidea]. Mycologia 58(4):549-554. Ref. July/Aug.1966. 450 M99
- 6883 BRIESKORN, C. H., and others. Triterpene alcohols of rosemary leaf. (Ge) Arch. Pharm. 299(8):663-670. Ref. Aug.1966. 396.8 Ar2A
M. Deeken, U. Degel, and A. Atallah, joint authors.
- 6884 BROWN, C. M., and HOUGH, J. S. Protein-disulphide reductase activity in yeast. Nature [London] 211(5045):201. July 9,1966. 472 N21
- 6885 BUCHNICEK, J. A contribution to the photodynamic phenomena. (Cz) Ziva 14(4):124-126. June 1966. 4C9.6 Z6
Plants.
- 6886 BUDYKO, M. I., and GANDIN, L. S. Effect of climatic factors on vegetational cover. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:3-10. Ref. Jan./Feb.1966. 331.9 Ak12
Study of photosynthesis.
- 6887 BUDYKO, M. I., GANDIN, L. S., and EFIMOVA, N. A. Use of physical methods for the elaboration of agroclimatic indices. (Rus) Meteorol. Gidrol. 5:3-10. May 1966. 345 M56
Effect of climatic factors on photosynthesis.
- 6888 BULMER, G. S., and LI, Y. T. Enzymic activities in Calvatia cyathiformis during and after meiosis. Mycologia 58(4):555-561. Ref. July/Aug.1966. 450 M99
- 6889 CALTRIDER, P. G., and NISS, H. F. Role of methionine in cephalosporin synthesis. Appl. Microbiol. 14(5):746-753. Ref. Sept.1966. 448.3 Ap5
By Cephalosporium acremonium.
- 6890 CANNON, J. R., and others. Isolation of (-)-kaur-16-en-19-oic acid and 15beta-hydroxy-(-)-kaur-16-en-19-oic acid from Pebealum rude Bartl. Australian J. Chem. 19(5):861-867. May 1966. 475 Au73
P. W. Chow, P. R. Jefferies, and G. V. Meehan, joint authors.
Both diterpene acids.
- 6891 CARBONI, S., SEGNI, D., and MAZZANTI, L. Components of Aristolochia rotunda L. (It) Gaz. Chim. Ital. 96(5):641-661. May 1966. 385 G25
English summary.
- 6892 CAREW, D. P. Growth of callus tissue of Catharanthus roseus in suspension culture. J. Pharm. Sci. 55(10):1153-1154. Oct.1966. 396.8 J825
- 6893 CASSELLTON, P. J. Chemo-organotrophic growth of xanthophyceae algae. New Phytol. 65 (2):134-140. Ref. Apr.1966. 450 N42
Grown in the dark; includes pigment analysis.
- 6894 CASSELLTON, P. J. Enzymes of the Embden-Meyerhof and pentose phosphate pathways in Polyporus brumalis. J. Exp. Bot. 17(52):579-589. Ref. Aug.1966. 450 J8224
- 6895 CATHEY, H. M., and others. Chemical pruning of plants. Science 153(3742):1382-1383. Sept.16,1966. 470 Sc12
G. L. Steffens, N. W. Stuart, and R. H. Zimmerman, joint authors.
With fatty acids and fatty alcohols.
- 6896 CEDERSTRAND, C. N., RABINOWITZ, E., and GOVINDJEE, J. Analysis of the red absorption band of chlorophyll a in vivo. Biochim. Biophys. Acta 126(1):1-12. Ref. Sept.5,1966. 381 B522
- 6897 CHAMURA, S., KIRIYAMA, E., and SIRATORI, Y. Studies on the relation between the tolerance of crops to soil acidity and that to low pH. 12. The character of fraction I and fraction II of cytoplasmic protein isolated from root. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):1-7. Ref. Aug.1966. 22.5 C88
English summary.
- 6898 CHARTIER, P. Theoretical study of the global photosynthesis of leaves. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):44-47. July 4,1966. 505 P21
- 6899 CHO, F., SPENCER, J., and GOVINDJEE, J. Emission spectra of Chlorella at very low temperatures (-269° to -196°). Biochim. Biophys. Acta 126(1):174-176. Ref. Sept.5, 1966. 381 B522

- 6900 CH'U, C. W., LIN, Y. J., and LI, S. F. The mold inhibitory activities of certain alkoxyethyl mercury compounds. (Ch) Acta Microbiol. Sinica 11(4):505-511. Nov. 1965. 448, 3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Biomed. Sci. 46:8. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSTI.
- 6901 CLAIRE, A. Velocity gradient of homodromous torsion of winding stems. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2722-2725. June 27, 1966. 505 P21
Observed in *Ipomoea purpurea*.
- 6902 CLAYTON, R. K., and SISTROM, W. R. An absorption band near 800 mμ associated with P870 in photosynthetic bacteria. Photochem. Photobiol. 5(8):661-668. Ref. Aug. 1966. 382 P56
- 6903 CLAYTON, R. K. Fluorescence from major and minor bacteriochlorophyll components in vivo. Photochem. Photobiol. 5(8):679-688. Ref. Aug. 1966. 382 P56
- 6904 CLAYTON, R. K. Spectroscopic analysis of bacteriochlorophylls in vitro and in vivo. Photochem. Photobiol. 5(8):669-677. Ref. Aug. 1966. 382 P56
- 6905 COLLINS, R. P., and KALNINS, K. Production of carbonyl compounds by several species of endonitridium-forming fungi. Mycologia 58(4):622-628. July/Aug. 1966. 450 M99
Chiefly Ceratocystis.
- 6906 CONSTANTINE, G. H., and others. Chromatographic study of the alkaloids of *Aquilegia formosa*. J. Pharm. Sci. 55(9):982-984. Sept. 1966. 396.8 J825
M. R. Vitek, K. Sheth, P. Catalfama, and L. A. Scicchetti, joint authors.
- 6907 COOMBS, J., and WHITTINGHAM, C. P. The effect of high partial pressures of oxygen on photosynthesis in *Chlorella*. I. The effect on end products of photosynthesis. Phytochemistry 5(4):643-651. Ref. July 1966. 450 P5622
- 6908 CULBERSON, C. F. The structure of a new despidome from the lichen *Parmelia livida*. Phytochemistry 5(4):815-818. July 1966. 450 P5622
- 6909 CUNNINGHAM, J. L. Germination of teliospores of the rust fungus *Fromma obtusa*. Mycologia 58(3):494-496. May/June 1966. 450 M99
- 6910 CUTHBERTSON, E. G. Chondrilla juncea L. in Australia. I. Some factors affecting flowering. Australian J. Agr. Res. 17(4):457-464. Ref. July 1966. 23 Au783
- 6911 DAHL, E. The heat exchange of plants and its importance in nature. (No) Blyttia 3:105-129, map. Ref. 1966. 450 B622
English summary.
- 6912 DAVENPORT, D. C. Versatility of a small grass transpirometer. Nottingham. Univ. Sch. Agr. Rep. 1965:54-61. 1966. 103 N84Re
- 6913 DAVIS, E. B., TISCHER, R. G., and BROWN, L. R. Nitrogen fixation by the blue-green alga *Anabaena flos-aquae* A-37. Physiol. Plant. 19(3):823-826. Ref. 1966. 450 P564
- 6914 DAWSON, P. S. S., and CRAIG, B. M. Lipids of *Candida utilis*: changes with growth. Can. J. Microbiol. 12(4):775-785. Aug. 1966. 448.8 C162
- 6915 DINGLE, J. T., and LUCY, J. A. Vitamin A, carotenoids and cell function. Cambridge Phil. Soc. Biol. Rev. 40(3):422-461. Ref. Aug. 1965. 442.9 C14
Includes photosynthesis and fungi.
- 6916 DRAKINA, T. I. Plant growth stimulants produced by *Taphrina* fungi. (Rus) Mikrobiologiya 34(4):702-706. Ref. July/Aug. 1965. 448.3 M582
English summary.
- 6917 DRAWERT, F., and others. On the biogenesis of aromatic substances in plants and fruits. II. Enzymatic formation of hexene-(2)-al-(1), hexanal, and their precursors. (Ge) Justus Liebig's Ann. Chem. 694:200-208. 1966. 384 An7
W. Helmann, R. Emberger, and R. Tressl, joint authors.
- 6918 DROUINEAU, G., GOUNY, P., and MAZOYER, R. The influence of limestone on plant nutrition. 27 p. Ref. (TT 64-10306) Transl. 16045
Translation from Annales Agronomiques 3: 368-381. 1950.
Issued by CFSTI.
- 6919 DUCHESNE, J., and DEPIREUX, J. Effect of age and desiccation on the free radical content of *Lobaria scorculata*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):79-80. July 4, 1966. 505 P21
- 6920 EGGER, K., and SCHWENKER, U. Fatty acid esters of lutein in autumn leaves. (Ge) Z. Pflanzenphysiol. 54(5):407-416. May 1966. 450 Z32
English summary.
- 6921 EGGER, K., and KEIL, M. Flavonol glycosides in Ranunculaceae: distribution of the glycoside types. (Ge) Deut. Bot. Ges. Ber. 78(9):418-422. Ref. 1965. 451 D48
- 6922 EISENLOHR, W. S. Water loss from a natural pond through transpiration by hydrophytes. Water Resources Res. 2(3):443-453. Ref. Third Q. 1966. 292.8 W295
Includes evaporation.
- 6923 ENAYAT, A. M. Untersuchungen über den Einfluss von Kinetin auf die Verteilung anorganischer Stoffe (bzw. Ionen) in der Pflanze [Research on the influence of kinetin on the distribution of inorganic substances (or ions) in plants]. Giessen, Justus-Liebig-Universität, Fak. [Diss.], 978 p. Ref., p. 44-47. 1934. 105.8 G36
- 6924 EPPENBERGER, U., and others. Glycosides and aglycons, 275. The glycosides of the seeds of *Stapelia gigantea* N. E. Br. (Ge) Helv. Chim. Acta 49(5):1492-1504. Ref. 1966. 385 H36
H. Kaufmann, W. Stocklin, and T. Reichstein, joint authors.
English summary.
- 6925 EPSTEIN, W. W., and VAN LEAR, G. Metabolites of *Fomes officinalis*. J. Org. Chem. 31(10):3434-3435. Oct. 1966. 381 J827
- 6926 ESAU, K. Explorations of the food conducting system in plants. Amer. Sci. 54(2):141-157. Ref. June 1966. 470 S12
- 6927 FABER, H. Plant protectional suggestions for woody cultures: the "Omorika-mortality." (Ge) Biljna Zastita 18(7):138-139. July 1966. 464.8 B49
Nutritional-physiological disease of *Picea omorika*.
- 6928 FALINA, N. N., and others. Some results of investigations of Basidiomycetes as a source of fodder proteins and amino acids. (Rus) Rastitel. Resursy 1(1):122-127. Ref. 1965. 450 R18
R. A. Maslova, P. J. Yakimov, S. M. Andreyeva, and E. V. Alexeyeva, joint authors.
- 6929 FAN, Y. L. Effects of temperature on the formation of nodules and on the symbiotic nitrogen fixation by nodules in *Astragalus sinicus* L. (Ch) Acta Microbiol. Sinica 11(4):480-487. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Biomed. Sci. 46:3-4. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSTI.
- 6930 FARINEAU, J. Study of genesis of phosphorylated compounds in green leaves illuminated in atmospheres with various composition. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):36-39. July 4, 1966. 505 P21
- 6931 FARKAS, L., and others. Constituents of *Iva* species. V. Isolation, structure, and synthesis of neavadensin, a new flavone from *Iva neavadensis* M. E. Jones and *Iva acerosa* (Nutt.) Jackson. J. Org. Chem. 31(10):3228-3232. Oct. 1966. 381 J827
M. Nogradi, V. Sudarshanam, and W. Herz, joint authors.
- 6932 FENIKSOVA, R. V., TIKHOMIROVA, A. S., and KULKOVA, A. K. Mechanism of glucose inhibition of induced amylase synthesis in *Aspergillus oryzae*. (Rus) Mikrobiologiya 34(6):972-977. Ref. Nov./Dec. 1965. 448.3 M582
English summary.

- 6933 FLEISCHMANN, G., KHAIR, J., and DINOOR, A. Dry twist: a system of culturing rusts from single spores. *Can. J. Bot.* 44(7):1009-1013. Ref. July 1966. 470 C16C
Uredinales.
- 6934 FONDA, R. W., and BLISS, L. C. Annual carbohydrate cycle of alpine plants on Mt. Washington, New Hampshire. *Torrey Bot. Club. Bull.* 93(4):268-277. Ref. July/Aug. 1966. 451 T63B
- 6935 FORK, D. C., and DE KOUCHEVSKY, Y. The 518-mu absorbance change and its relation to the photosynthetic process. *Photochem. Photobiol.* 5(5):609-619. Ref. Aug. 1966. 382 P56
- 6936 FOX, C. H. Experimental studies on the physiology of the phycobiont and mycobiont *Ramalina ecklonii*. *Physiol. Plant.* 10(3):830-839. Ref. 1966. 450 P564
- 6937 FRANK, P. A. Dormancy in winter buds of American pondweed, *Potamogeton nodosus* Poir. *J. Exp. Bot.* 17(52):546-555. Ref. Aug. 1966. 450 J8224
- 6938 FRIES, L. Influence of iodine and bromine on growth of some red algae in axenic culture. *Physiol. Plant.* 19(3):800-808. Ref. 1966. 450 P564
- 6939 GALLING, G., and RICHTER, G. Intracellular distribution and base composition or rapidly-labelled RNA fractions in *Chlorella*. *Biochim. Biophys. Acta* 123(3):613-616. Sept. 19, 1966. 361 B522
- 6940 GERHARDT, B. Photosynthesis reactions in cell free systems of *Anacystis*. (Ge) *Deut. Bot. Ges. Ber.* 78(9):400-404. 1965. 451 D48
- 6941 GIRAL, F., ALVAREZ, J. H., and HIDALGO C., C. Saponin and sapogenin from *Calibanus hookeri*. (Sp) *Ciencia* 24(5/6):233-236. Jan. 1966. 475 C48
English summary.
- 6942 GLEN, A. T., HUTCHINSON, S. A., and MCCORKINDALE, N. J. Hexa-1,3,5-triene—a metabolite of *Fomes annosus*. *Tetrahedron Lett.* 35:4223-4225. Sept. 1966. 385 T29
- 6943 GORIN, P. A. J., SPENCER, J. F. T., and MACKENZIE, S. L. Estimated molecular weight of amylose from the yeast *Rhodotorula peneaus*. *Can. J. Chem.* 44(17):2087-2090. Ref. Sept. 1, 1966. 470 C16B
- 6944 GORYUNOVA, S. V., ODOEVSKAYA, N. S., and GERASIMENKO, L. M. A method for purification of blue-green algae from contaminating bacteria. (Rus) *Mikrobiologiya* 34(6):1077-1079. Nov./Dec. 1965. 448.3 M582
English summary.
Mastigocladus laminosus.
- 6945 GREGER, D., and ERGE, D. Production of lysergic acid derivatives in submerged culture of *Claviceps paspali* Stevens et Hall. (Rus) *Mikrobiologiya* 35(4):606-611. Ref. July/Aug. 1966. 448.3 M582
English summary.
- 6946 GRESSEL, J., and GALUN, E. Effect of 5 fluorouracil on the soluble RNA of *Trichoderma viride*. *Biochem. Biophys. Res. Commun.* 24(2):162-168. July 20, 1966. 442.8 B5236
- 6947 GUSEV, M. V., and VASILKOVA, E. I. Change in composition and pigment content of blue-green algae in the presence of additional carbon and nitrogen sources. (Rus) *Mikrobiologiya* 34(3):477-482. May/June 1965. 448.3 M582
English summary.
Anabaena variabilis and *Hapalosiphon fontinalis*.
- 6948 HATTORI, A., and MYERS, J. Reduction of nitrate and nitrite by subcellular preparations of *Anabaena cylindrica*. I. Reduction of nitrite to ammonia. *Plant Physiol.* 41(6):1031-1036. Ref. June 1966. 450 P692
- 6949 HENCKEL, P. A., and others. The effect of preserving hardening of seed against drought on reproductive processes in plants. (Rus) *Akad. Nauk SSSR. Dokl.* 169(3):709-712. Ref. 1966. 511 P444A
N. V. Balina, E. I. Baraskaya, A. Kashlan, joint authors.
Proso, corn and tomatoes.
- 6950 HENKENS, C. H., and JONGMAN, E. The movement of manganese in the plant and the practical consequences. *Neth. J. Agr. Sci.* 13(4):392-407. Nov. 1965. 12 N3892
Deficiency and foliar diagnosis study.
- 6951 HENSHAW, G. G., and others. Studies on the growth in culture of plant cells. I. Growth patterns in batch propagated suspension cultures. *J. Expt. Bot.* 17(51):362-377. May 1966. 450 J8224
K. K. Jha, A. R. Mehta, D. J. Shakeshaft, and H. E. Street, joint authors.
- 6952 HERZ, W., SUDARSANAM, V., and SCHMID, J. J. Constituents of *Iva* species. VII. ssp. *guianoloides* from *Iva axillaris* Pursh. ssp. *robustior*. *J. Org. Chem.* 31(10):3232-3236. Oct. 1966. 381 J827
- 6953 HEWITT, E. J., and BOND, G. The cobalt requirement of non-legume root nodule plants. *J. Exp. Bot.* 17(52):480-491. Ref. Aug. 1966. 450 J8224
Of *Casuarina cunninghamiana*, *Myrica gale* and *Alnus glutinosa*.
- 6954 HILDRETH, W. W., AVRON, M., and CHANCE, B. Laser activation of rapid absorption changes in spinach chloroplasts and *Chlorella*. *Plant Physiol.* 41(6):983-991. Ref. June 1966. 450 P692
- 6955 HILL, R. D., UNRAU, A. M., and CANVIN, D. T. The biosynthesis of fusaric acid from ¹⁴C-labelled acetate in *Gibberella fujikuroi*. *Can. J. Chem.* 44(17):2077-2082. Ref. Sept. 1, 1966. 470 C16B
- 6956 HOARE, D. S., and HOARE, S. L. Feedback regulation of arginine biosynthesis in blue-green algae and photosynthetic bacteria. *J. Bacteriol.* 92(2):375-379. Ref. Aug. 1966. 448.3 J82
- 6957 HOLTZMAN, R. B. Natural levels of lead-210, polonium-210 and radium-226 in humans and biota of the Arctic. *Nature [London]* 210(5041):1094-1097. Ref. June 11, 1966. 472 N21
Includes lichens, grasses and wildlife.
- 6958 HORIKOSHI, K., and IKEDA, Y. Glycerol and glycerol dehydrogenase in the conidia of *Aspergillus oryzae*. *J. Gen. Appl. Microbiol.* 11(4):303-312. Ref. Dec. 1965. 448.3 J824
- 6959 HUANG, H., HSU, T. Y., and LIN, C. K. Further studies on synthetic media for *Phytophthora infestans*. (Ch) *Acta Microbiol. Sinica* 11(4):463-469. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.], *Communist Chin. Sci. Abstr. Bio. Med. Sci.* 45-1. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSIL.
- 6960 HUGEL, M. F. Composition and properties of pollen: review of recent works. (Fr) *Ann. Abeille* 8(4):299-307. Ref. 1965. 424.9 F842
English summary.
Includes germination and review of articles published since 1960.
- 6961 HUGEL, M. F. Pollen sterols. (Fr) *Ann. Abeille* 8(4):309-315. Ref. 1965. 424.9 F842
English summary.
- 6962 HWANG, S. W. Long-term preservation of fungus cultures with liquid nitrogen refrigeration. *Appl. Microbiol.* 14(5):784-788. Sept. 1966. 448.3 Ap5
- 6963 ITO, K., and HASHIMOTO, Y. Gigartinine: a new amino-acid in red algae [*Gymnogongrus flabelliformis*]. *Nature [London]* 211(5047):417. July 23, 1966. 472 N21
- 6964 IVANOVA, I. Relationship between the amount of influence and the reaction of plant organisms. (Bu) *Priroda [Sofia]* 14(1):41-45. Jan./Feb. 1965. 410 P934
Chiefly effects of chemicals and radiation.
- 6965 IZARD, C. Biochemical researches on the pigmentation of *Nicotiana glauca* Griseb. 13 p. Transl. 16119
Translation from Bergerac, Institut Experimental du Tabac. *Annales* 3(1):67-76. 1958.
- 6966 JOHNS, S. R., LAMBERTON, J. A., and SIOUMIS, A. A. Alkaloids of the Australian leguminosae. VII. N₇-methyltetrahydroharman from *Acacia complanata* A. Cunn. ex Benth. *Australian J. Chem.* 19(8):1539-1540. Aug. 1966. 475 Au73

- 6967 JORGENSEN, E. G. Photosynthetic activity during the life cycle of synchronous *Skeletonema* cells. *Physiol. Plant.* 19(3):789-799. Ref. 1966. 450 P564
Skeletonema costatum.
- 6968 JOUSSAUME, M., and BOURDU, R. Conversion of carbon-14-labelled orotic acid into pyrimidine nucleotides by chloroplasts. *Nature* [London] 210(5043):1363-1364. June 25, 1966. 472 N21
In *Bryophyllum daigremontianum*.
- 6969 JOY, K. W., and HAGEMAN, R. H. The purification and properties of nitrite reductase from higher plants, and its dependence on ferredoxin. *Biochem. J.* 100(1):263-273. Ref. July 1966. 332 B52
- 6970 JUNTILLA, O. Photoperiodism and rooting. (F) *Puutarha* 68(12):648-649. 1965. 80 P99
English summary in Contents and summaries section, p.1.
- 6971 JUSCAFRESA, B. Plants need micro-nutrients. (Sp) *SCRAL* (Soc. Coop. Rural Argent. Ltda.) 11(129):313-314, 316-317. Sept. 1965. 9 S017
- 6972 KAPLAN, J. G., and TACRETER, W. The beta-glucosidase of the yeast cell surface. *J. Gen. Physiol.* 50(1):9-24. Ref. Sept. 1966. 447.8 J822
- 6973 KARASEVICH, YU. N., and BATURINA, M. V. Deadaptation of *Candida tropicalis* adapted to L-arabinose. (Rus) *Mikrobiologiya* 34(4):676-679. July/Aug. 1965. 448.3 M582
English summary.
- 6974 KARASEVICH, YU. N., and IPATOVA, A. P. On the rate of L-arabinose utilization by *Candida tropicalis* cells in different media. (Rus) *Mikrobiologiya* 34(6):966-971. Nov./Dec. 1965. 448.3 M582
English summary.
- 6975 KASATKINA, I. D., and ZHELTOVA, E. G. On methods of selection of *Aspergillus niger* mutants with an altered capacity to synthesize organic acids. (Rus) *Mikrobiologiya* 34(3):511-518. May/June 1965. 448.3 M582
English summary.
- 6976 KATOH, S., and SAN PIETRO, A. Activities of chloroplast fragments. I. Hill reaction and ascorbate-indophenol photo reductions. *J. Biol. Chem.* 241(15):3575-3581. Ref. Aug. 10, 1966. 381 J824
- 6977 KESSLER, E., and CZYGAN, F. C. *Chlorella zoffingiensis* Donz.: isolation of newer races and their physiological and biochemical characteristics. (Ge) *Deut. Bot. Ges. Ber.* 78(8):342-347. Ref. 1965. 451 D48
- 6978 KHRUSLOVA, S. G. Effect of mobile phosphates on iron nutrition of plant. (Rus) *Agrokimiya* 8:65-69. Ref. Aug. 1965. 385 Ag89
Wheat.
- 6979 KIDBY, D. K. Activation of a plant invertase by inorganic phosphate. *Plant Physiol.* 41(7):1139-1144. Ref. Sept. 1966. 450 P692
Lupine luteus.
- 6980 KINDL, H., and HOFFMANN-OSTENHOF, O. Investigations on the biosynthesis of cyclite. XI. The origin of the meso-inositol-part of the phytic acid in higher plants. (Ge) *Biochem. Z.* 345(2):454-460. Aug. 5, 1966. 384 B522
English summary.
- 6981 KOLOT, F. B., and others. Effect of various light sources on carotenoid production by *Penicillium sclerotiorum*. (Rus) *Mikrobiologiya* 34(4):627-630. July/Aug. 1965. 448.3 M582
L. A. Vakulova, S. Yu. Gol'dat, and G. I. Samokhvalov, joint authors.
English summary.
- 6982 KOMISSAROV, G. G., and others. Dependence of the photosensitizing activity of chlorophyll adsorbed on capron on the surface concentration. 3 p. (TT 63-18607) *Transl.* 15287
V. A. Gavrilova, L. I. Nekrasov, N. I. Kobozev, and V. B. Evstigneiev, joint authors.
Translation from *Akademiya Nauk SSSR. Doklady* 150:174-175. 1963.
Issued by CFSTI.
- 6983 KOSHIMIZU, K., and others. A new C₂₀ gibberellin in immature seeds of *Lupinus luteus*. *Tetrahedron Lett.* 22:2459-2463. Ref. June 1966. 385 T29
H. Fukui, T. Kusaki, T. Mitsui, and Y. Ogawa, joint authors.
Designated as *Lupinus gibberellin-L*.
- 6984 KOTOV, V. B., KONOVALOV, S. A., and OVCHAROV, A. K. Study on free intracellular amino acids and amino acid composition of protein hydrolysates in *Aspergillus usami*. (Rus) *Mikrobiologiya* 34(6):952-955. Nov./Dec. 1965. 448.3 M582
English summary.
- 6985 KOWALLIK, W. Influence of different wave lengths on the composition of *Chlorella* [pyrenoidosa] grown in glucose medium with inhibited photosynthesis. (Ge) *Planta* 69(3):292-295. 1966. 450 P693
- 6986 KOZHINA, I. S. Investigation of biologically active compounds in higher plants. (Rus) *Rastitel. Resursy* 1(1):42-49. Ref. 1965. 450 R18
- 6987 KRAUS, M. P. Preparation of pure blue-green algae. *Nature* [London] 211(5046):310. July 16, 1966. 472 N21
- 6988 KREEB, K. Studies on the osmotic constants. I. A portable microcycroscope for ecophysiological work. (Ge) *Planta* 65(3):269-279. Ref. 1965. 450 P693
English summary.
A practical method for plant sap extraction studies.
- 6989 KUAN, K. L. The effectiveness and application of CCC, a chemical regulating the growth of plants. (Ch) *Shengwuue Tongbao* 1:7-9. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Biomed. Sci.* 52:2. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 6990 KUDRYAVTSEV, V. I., and others. Growth of different yeasts on hydrocarbons of oil fractions. (Rus) *Mikrobiologiya* 34(6):999-1002. Nov./Dec. 1965. 448.3 M582
M. V. Fateeva, T. N. Nikitina, and L. M. Rosenberg, joint authors.
English summary.
- 6991 KULAEV, I. S., KRASHENINNIKOV, I. A., and KOKURINA, N. K. Localization of inorganic polyphosphates and nucleotides in *Neurospora crassa* mycelium. (Rus) *Biochimika* 31(4):850-859. Ref. July/Aug. 1966. 385 B523
English summary.
- 6992 KYLIN, A. The influence of photosynthetic factors and metabolic inhibitors on the uptake of phosphate in P-deficient *Scenedesmus*. *Physiol. Plant.* 19(3):644-649. Ref. 1966. 450 P564
- 6993 LAGERSTEDT, H. B., and LANGSTON, R. G. Transport of ketin-8-14C in petioles. *Physiol. Plant.* 19(3):734-740. 1966. 450 P564
Of cotton, beans, and Xanthium.
- 6994 LAMPORT, D. T. A. The protein component of primary cell walls. *Advances Bot. Res.* 2:151-218. Ref. 1965. 450 A82
- 6995 LANGE, O. L. CO₂-gase exchange in lichens after warming in a damp condition. (Ge) *Deut. Bot. Ges. Ber.* 78(10):441-454. Ref. 1965. 451 D48
- 6996 LARSEN, P. Quantitative determination of indole-3-acetaldehyde. II. *Physiol. Plant.* 19(3):780-784. 1966. 450 P564
- 6997 LASCELLES, J. The accumulation of bacteriochlorophyll precursors by mutant and wild-type strains of *Rhodospirillum rubrum* spheroides. *Biochem. J.* 100(1):175-183. Ref. July 1966. 382 B52
- 6998 LASCELLES, J. The regulation of synthesis of iron and magnesium tetrapyrroles; observations with mutant strains of *Rhodospirillum rubrum* spheroides. *Biochem. J.* 100(1):184-189. Ref. July 1966. 382 B52
- 6999 LAUTEN, H. Untersuchungen über den Einfluß synthetischer, grenzflächenaktiver Stoffe auf Pflanzen und ihre Abbaubarkeit im Boden [Research on the influence of synthetic surface-active agents on plants and their deterioration in the soil]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 16, 86 p. 1964. 105.8 B644
Bibliography, p. 81-85.
- 7000 LAWRENCE, R. C. The oxidation of fatty acids by spores of *Penicillium roqueforti*. *J. Gen. Microbiol.* 44(3):393-405. Ref. Sept. 1966. 448.3 J823

- 7001 LEACH, C. M., and TRIGONE, E. J. Action spectra for light-induced sporulation of the fungi *Pleospora herbarum* and *Alternaria dauci*. *Photochem. Photobiol.* 5(8):621-630. Ref. Aug. 1966. 382 P56
- 7002 LENGUEL, Z. L., and NYIRI, L. Studies on automatically aerated biosynthetic processes. II. Occurrence and elimination of CO₂ during Penicillin biosynthesis. *Biotechnol. Bioeng.* 8 (3):337-352. Aug. 1966. 381 J8224
- 7003 LEON GARRE, A. Nutritional diseases of plants: identification. (Sp) *Cult. Mod.* 49(6): 211-222. June 1966. 15 C89
- 7004 LEWIN, J. C. Physiological studies of the boron requirement of the diatom, *Cylindrotheca fusiformis* Reimann and Lewin. *J. Exp. Bot.* 17(52):473-479. Ref. Aug. 1966. 450 J8224
- 7005 LI, C. C., CHU, L. C., and FANG, H. F. Comparison of amylolytic activities of various types of genus *Monascus*. (Ch) *Acta Microbiol. Sinica* 11(4):488-492. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 46:5. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSTI.
- 7006 LI, H., CH'U, C. W., and HSIEH, S. M. A colorimetric method for the determination of febrifugine and isofebrifugine. (Ch) *Acta Chim. Sinica* 31(6):482-485. Dec. 1965. 385 Ac86
Biochemical investigation of *Dichroa febrifuga*.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Chem.* 14:6. Mar. 18, 1966. (JPRS 34,623; TT 66-31062) 241.64 Un323
Issued by CFSTI.
- 7007 LIEBISCH, H. W., MAIER, W., and SCHUTTE, H. R. Biosynthesis of tropic alkaloids. VI. (Ge) *Tetrahedron Lett.* 34:4079-4082. Ref. Aug. 1966. 385 T29
In plants.
- 7008 LIN, C. K., and LIANG, P. Y. Studies on nitrogen, calcium and organic acid requirements with reference to pH relations in the nutrition of some species of *Phytophthora*. (Ch) *Acta Microbiol. Sinica* 11(4):470-479. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 46:2-3. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSTI.
- 7009 LINCOLN, R. G., and others. Florigenic acid from fungal culture. *Plant Physiol.* 41(6):1079-1080. June 1966. 450 P692
A. Cunningham, B. H. Carpenter, J. Alexander, and D. L. Mayfield, joint authors.
- 7010 LINGAPPA, B. T., and LINGAPPA, Y. The nature of self-inhibition of germination of conidia of *Glomerella cingulata*. *J. Gen. Microbiol.* 43(1):91-100. Ref. Apr. 1966. 448.3 J823
- 7011 LODKINA, M. M. Development of embryo in *Euonymus europaeus* L. at the time of stratification of seeds. (Rus) *Bot. Zhur. [Moscow]* 51(5):649-659. Ref. May 1966. 451 R923
English summary.
- 7012 LOGINOVA, L. G., and TASHPULATOV, ZH. Cellulase producing thermophilic fungus *Aspergillus fumigatus*. (Rus) *Mikrobiologiya* 34 (2):258-264. Ref. Mar./Apr. 1965. 448.3 M582
English summary.
- 7013 L'VOVA, L. E. Coenzyme A content during development of *Penicillium nigricans* Bain producing griseofulvin. (Rus) *Antibiotiki* 11 (5):419-422. Ref. May 1966. 396.8 An84
English summary.
- 7014 LYUBIMOVA, M. N., FAIN, F. S., and DEMYANOVSKAYA, N. S. Fractionation of apyrase from *Mimosa pudica* leaves into ADPase and ATPase activated by manganese ions. (Rus) *Biokhimiya* 31(4):805-814. Ref. July/Aug. 1966. 385 B523
English summary.
- 7015 MAHLER, H. R., and CORDES, E. H. Biological chemistry. New York, Harper and Row, 1966. 872 p. Ref. QP514.M3
Includes plant biochemistry.
- 7016 MAKSIMOVA, I. V., and FEDENKO, E. P. The effect of the oxidation-reduction potential on bacterial development in algal cultures. (Rus) *Mikrobiologiya* 34(2):344-349. Mar./Apr. 1965. 448.3 M582
English summary.
Chlorella vulgaris.
- 7017 MAKSIMOVA, I. V., and PIMENOVA, M. N. On the nature of organic compounds excreted by growing cultures of green algae. (Rus) *Mikrobiologiya* 35(4):623-632. Ref. July/Aug. 1966. 448.3 M582
English summary.
Chlorella pyrenoidosa and *C. vulgaris*.
- 7018 MAKSIMOVA, I. V., TOROPOVA, E. G., and PIMENOVA, M. N. Release of organic compounds by green algae grown in mineral media. (Rus) *Mikrobiologiya* 34(3):483-490. Ref. May/June 1965. 448.3 M582
English summary.
Chlorella vulgaris and *C. pyrenoidosa*.
- 7019 MANACHERE, G. Periodicity of fructification of *Coprinus congregatus* Bull. ex Fr. in illuminated cultures. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(26):2711-2714. June 27, 1966. 505 P21
- 7020 MANSFIELD, T. A., and MEIDNER, H. Stomatal opening in light of different wavelengths: effects of blue light independent of carbon dioxide concentration. *J. Exp. Bot.* 17(52):510-521. Aug. 1966. 450 J8224
In *Xanthium pennsylvanicum*.
- 7021 MARDASHEV, S. R., and SOKOVNINA, YA. M. Synthesis of hydroxamic acids from dicarboxylic amino acids and their amides in *Saccharomyces cerevisiae*. (Rus) *Mikrobiologiya* 34(1):47-52. Ref. Jan./Feb. 1965. 448.3 M582
English summary.
- 7022 MARKOVICH, A. V., and MALKOV, M. A. Changes in nucleic acid content during development of *Penicillium* producing griseofulvin under submerged culture. (Rus) *Antibiotiki* 11 (4):314-320. Ref. Apr. 1966. 396.8 An84
English summary.
- 7023 MATUROVA, M., PAVLASKOVA, D., and SANTAVY, F. Isolation of alkaloids from different Papaver varieties. (Ge) *Planta Med.* 14(1):22-41. Ref. Feb. 1966. 450 P697
English summary.
- 7024 MCCALLA, D. R. Action of some analogs of nitrosoquandine on the chloroplasts of *Euglena gracilis*. *J. Protozool.* 13(3):472-474. Ref. Aug. 1966. 439.8 J82
- 7025 MEIDNER, H., and MANSFIELD, T. A. Rates of photosynthesis and respiration in relation to stomatal movements in leaves treated with alpha-hydroxy-sulphonate and glycolate. *J. Exp. Bot.* 17(52):502-509. Ref. Aug. 1966. 450 J8224
Of *Xanthium pennsylvanicum*.
- 7026 MIEDEMA, E., and RICHARDSON, K. E. Ethanolamine metabolism in plant tissue. *Plant Physiol.* 41(6):1026-1030. Ref. June 1966. 450 P692
- 7027 MILL, P. J. Phosphomannans and other components of flocculent and non-flocculent walls of *Saccharomyces cerevisiae*. *J. Gen. Microbiol.* 44(3):329-341. Ref. Sept. 1966. 448.3 J823
- 7028 MOHR, H. The effect of light on morphogenesis and synthesis of RNA and proteins. (Ge) *Umschau* 66(9):295. May 1, 1966. 474 Um7
Drosera filiformis.
- 7029 MONEGER, R. Incorporation of radioactive carbon into the carotenoids of foliage of *Spirodela polyrrhiza* Schleid. exposed to light on mineral culture media containing bicarbonate and sodium C¹⁴, after a prolonged stay on sugar culture media. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(1):52-54. Ref. July 4, 1966. 505 P21
- 7030 MOSS, D. N. Respiration of leaves in light and darkness. *Crop Sci.* 6(4):351-354. Ref. July/Aug. 1966. 64.8 C883
- 7031 MOTHES, K. On the aging of leaves and the possibility of their rejuvenation. 47 p. Ref. Transl. 18081
Translation from *Naturwissenschaften* 47: 337-351. 1960.

- 7032 MOTHES, K. On phytochemicals. (Ge) Leopoldina. *Mitteil.* 3, 10:148-149. 1964, pub. 1965. 474 L55
- 7033 MURR, L. E. Plant physiology in simulated geoelectric and geomagnetic fields. *Advancing Frontiers Plant Sci.* 15:97-120. Ref. 1966. 452.4 V81
- 7034 MYERS, J. On dynamics of algal growth. *J. Ferment. Technol.* 44(6):344-348. Ref. 1966. 390.08 H12
- 7035 NARAYANAN, A. S., and SHANMUGASUNDARAM, E. R. B. Studies on proteinase of *Fusarium vasinfectum* Atk. *Enzymologia* 30(5):279-289. Ref. May 31, 1966. 390.08 En9
- 7036 NARTEY, F. Aflatoxins of *Aspergillus flavus* grown on cassava. *Physiol. Plant.* 19(3):816-822. Ref. 1966. 450 P564
- 7037 NEMCEK, O., SIGLER, K., and KLEINZELER, A. Ion transport in the pitcher of *Nepenthes heryana*. *Biochim. Biophys. Acta* 126(1):73-80. Sept. 5, 1966. 381 B522
- 7038 NIGGEMANN, J. Influence of water soluble substances in peat on germination of seeds. (Ge) *Torfnachrichten* 17(1/2):1-3. Jan./Feb. 1966. 57.8 T632
- 7039 OBOLENSKAYA, K. I., and ZHADKOVA, N. T. The use of spectrum analysis to determine the isotope structure of nitrogen in biological and soil samples. U. S. Joint Publ. Res. Serv. [Transl.] *Chem. Agr. USSR* 1:31-40. Ref. Dec. 29, 1964. (JPRS 28,023; TT 65-30008) 173 J663 Cag
Includes plants.
Translation from *Khimiya v Sel'skom Khozyaistve* 1:13-16. 1964.
Issued by CFSTI
- 7040 OERTLI, J. J. Active water transport in plants. *Physiol. Plant.* 19(3):809-817. Ref. 1966. 450 P564
- 7041 OERTLI, J. J. Effects of external salt concentrations on water relations in plants. I. Absence of osmotic adjustment in the root xylem. *Soil Sci.* 102(3):180-186. Ref. Sept. 1966. 56.8 S03
- 7042 OGAWA, Y. Ethyl acetate-soluble and "water-soluble" gibberellin-like substances in the seeds of *Pharbitis nil*, *Lupinus luteus* and *Prunus persica*. *Bot. Mag. Tokyo* 79(932/933):69-76. Feb./Mar. 1966. 450 B651
- 7043 OGIHARA, Y., TANAKA, O., and SHIBATA, S. On the metabolites of *Penicillium duclauxii* Delacroix. III. *Tetrahedron Lett.* 25:2867-2873. June 1966. 385 T29
- 7044 OKONKWO, S. N. C. Studies on *Striga senegalensis*. IV. In vitro culture of seedlings. Effect of various sugars and glutamine. *Amer. J. Bot.* 53(7):687-693. Ref. Aug. 1966. 450 Am36
- 7045 OLSON, J. M., and CLAYTON, R. K. Sensitization of photoreactions in *Eimhjellen's Rhodospirillum rubrum* by a pigment absorbing at 830 mμ. *Photochem. Photobiol.* 5(8):655-660. Aug. 1966. 382 P56
- 7046 ORTH, H. Investigations on the effects and after effects of 2-methoxy-3,6-dichlorobenzoic acid (Mediben). (Ge) *Die Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft* 3:145-147. 1965. 464.8 Z33
English summary.
Physiological action.
- 7047 OSMOND, C. B. Divalent cation absorption and interaction in *Atriplex*. *Australian J. Biol. Sci.* 19(1):37-48. Ref. Feb. 1966. 442.8 Au72
Calcium and magnesium.
- 7048 PAASCHE, E. Action spectrum of *Coccolith* formation. *Physiol. Plant.* 19(3):770-779. Ref. 1966. 450 P564
Light study with *Coccolith huxleyi*.
- 7049 PALAMAR-MORDVINTSEVA, H. M., and others. Cultivating algae on waste waters of artificial fibre plants. (Uk) *Ukr. Bot. Zh.* 23(4):80-86. 1966. 450 J8212J
V. K. Marynych, V. V. Hrabovska, and S. M. Neuhaus, joint authors.
English summary.
Possible use for water purification.
- 7050 PALAMAR-MORDVINTSEVA, H. M. Utilization of caprolactam by algae as a source of nitrogen and CO₂. (Uk) *Ukr. Bot. Zh.* 23(3):72-78. 1966. 450 J8212J
English summary.
- 7051 PANDEY, D. K., and GUPTA, S. C. Studies in pectic enzymes of parasitic fungi. VI. Factors affecting the secretion of pectic enzymes by *Alternaria tenuis*. *Biol. Plant.* 8(2):131-141. Ref. 1966. 450 B52
- 7052 PARTHIER, B. Antibiotics prevent synthesis of proteins in green leaves. (Ge) *Umschau* 66(7):226. Apr. 1, 1966. 474 Um7
- 7053 PASIUT, L. A., and DEMARINIS, F. Further studies on inhibition of growth of spores of *Penicillium* sp. and *Aspergillus* sp. isolated from the white molds of silages. *Ohio J. Sci.* 66(1):64-68. Jan. 1966. 410 Oh3
- 7054 PASSERA, C., FERRARI, G., and GORI, F. Genesis of alanine, serine, and glycine in *Chlorella vulgaris*. (It) *Agrochimica* 10(3):251-258. Ref. June 1966. 385 Ag84
English summary.
During photosynthesis.
- 7055 PERENYI, T., and others. Pigments of *Claviceps purpurea* grown saprophytically. (Ge) *Planta Med.* 14(1):42-48. Ref. Feb. 1966. 450 P697
E. N. Udvardy, G. Wack, and L. Boross, joint authors.
English summary.
- 7056 PERLEY, J. E., and STOWE, B. B. An improvement in the sensitivity of the Salkowski reagent for tryptamine, tryptophan and indole-acetic acid. *Physiol. Plant.* 19(3):683-690. Ref. 1966. 450 P564
Analysis of indoles.
- 7057 PERISCH, R. Variations in the bioelectric potential, caused by injuries, in *Tradescantia albiflora* Kunth. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(25):2589-2592. June 20, 1966. 505 P21
- 7058 PIMENOVA, M. N., and KONDRAT'eva, T. F. A contribution to the use of acetate by *Chlamydomonas globosa*. (Rus) *Mikrobiologiya* 34(2):230-235. Ref. Mar./Apr. 1965. 448.3 M582
English summary.
- 7059 PIMENOVA, M. N., ZHDANNIKOVA, E. N., and MAKSIMOVA, I. V. Evaluation of the live and dead cells in cultures of protozoal algae. (Rus) *Mikrobiologiya* 34(6):1080-1085. Ref. Nov./Dec. 1965. 448.3 M582
English summary.
- 7060 POOK, E. W., COSTIN, A. B., and MOORE, C. W. E. Water stress in native vegetation during the drought of 1965. *Australian J. Bot.* 14(2):257-267. July 1966. 450 Au72
Include drought resistance of *Eucalyptus* spp.
- 7061 PRITCHARD, G. G. The effect of high pressure of oxygen on the carbohydrate metabolism of *Mucor plumbeus* Bon. *J. Exp. Bot.* 17(52):556-568. Ref. Aug. 1966. 450 J8224
- 7062 RAO, P. V. S., and VAIDYANATHAN, C. S. Enzymic conversion of 3-hydroxyanthranilic acid to cinnabarinic acid by the leaves of *Tecoma stans*. *Arch. Biochem. Biophys.* 115(1):27-34. Ref. July 1966. 381 Ar2
- 7063 RASHBA, O. A. Effect of the chromatographic fractions of arenearene on shoots of certain plants and on *Corynebacterium michiganense*. (Uk) *Mikrobiol. Zhur.* 27(4):61-66. 1965. 448.3 K54
English summary.
Effect on growth of peas, oats, and tomatoes.
- 7064 REICHEL, L., and PASTUSKA, G. Chemistry and biochemistry of plant materials. XVIII. Synthesis of ellagic acid glucosides and other ellagic acid derivatives. (Ge) *Justus Liebig's Ann. Chem.* 695:164-175. Ref. 1966. 384 An7
- 7065 REI-CHI SHEN, S., and SCHMIDT, R. R. Enzymic control of nucleic acid synthesis during synchronous growth of *Chlorella pyrenoidosa* II. *Arch. Biochem. Biophys.* 115(1):13-20. Ref. July 1966. 381 Ar2
- 7066 ROBERTSON, W. K., AMMERMAN, C. B., and DUNAVANT, B. G. Uptake, movement and transfer of Rb, S, Cl and Fe through stolonaceous plants as affected by moisture stress. *Soil Sci. Soc. Amer. Proc.* 30(4):473-477. July/Aug. 1966. 56.9 S03

- 7067 RODIN, L. E., and BAZILEVIC, N. I. The biological productivity of the main vegetation types in the Northern Hemisphere of the Old World. Forest. Abs. 27(3):369-372. 1966. 241.01 Im7
Review of the literature.
Translation from Akademiya Nauk SSSR. Doklady 157(1):215-218. 1964.
- 7068 RODRIGUEZ-LOPEZ, M. Utilization of sugars by *Chlorella* [pyrenoidosa] under various conditions. J. Gen. Microbiol. 43(1):139-143. Ref. Apr. 1966. 448.3 J823
- 7069 RONSCHE, H., and SCHREIBER, K. Solanum alkaloids. LXV. On four new 15alpa-hydroxy-spirosolan alkaloids from roots of *Solanum dulcamara* L. (Ge) Justus Liebigs Ann. Chem. 694:169-182. Ref. 1966. 384 An7
- 7070 ROTH, R., and SUSSMAN, M. Trehalose synthesis in the cellular slime mold *Dictyostelium discoideum*. Biochim. Biophys. Acta 122(2): 225-231. Ref. Aug. 10, 1966. 381 B522
- 7071 ROTINI, O. T., and LOTTI, G. The role of soil substances in the root nutrition and metabolism of plants. (It) Agricoltura 15(2):49-60. Ref. p.58-60. Feb. 1966. 16 Ag8226
- 7072 RUBIN, B. A. Some methodological problems in plant physiology. (Bu) Selskhopovskaya Nauk. 4(3):23-32. 1965. 21 Se492
- 7073 RUDOLPH, H., and BREHM, K. Cation uptake by ion exchange? New viewpoints on the problem of the nutritional physiology of *Sphagnum*. (Ge) Deut. Bot. Ges. Ber. 78(10):484-491. Ref. 1965. 451 D48
- 7074 RUMYANTSEVA, V. M., and TRIBIS, ZH. M. Effect of deep cooling on respiring yeast cells. (Rus) Tsitologiya 7(5):650-652. Sept./Oct. 1965. 442.8 T78
English summary.
Endomyces magnusii.
- 7075 RZHANOVA, G. N., and GORYUNOVA, S. V. Amino acid composition of the blue-green algae, *Phormidium uncinatum* (Ag) Gom. (Rus) Mikrobiologiya 34(2):268-272. Ref. Mar./Apr. 1965. 448.3 M592
English summary.
- 7076 SAKAMOTO, M. The chlorophyll amount in the euphotic zone in some Japanese lakes and its significance in the photosynthetic production of phytoplankton community. Bot. Mag. Tokyo 79(932/933):77-88. Feb./Mar. 1966. 450 B651
- 7077 SANIKIDZE, G. S. The formation of vitamins by microorganisms of Grecian-laurel rhizosphere and their effect on the growth of seedlings. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:97-104. Ref. 1965. 68.19 M28
English summary.
- 7078 SANKAWA, U., and others. Biosynthesis of daclauxin. Tetrahedron Lett. 25:2883-2886. June 1966. 385 T29
H. Taguchi, Y. Oghihara, and S. Shibata, joint authors.
Metabolite of *Penicillium daclauxii*.
- 7079 SASAKI, R., SUGIMOTO, E., and CHIBA, H. Yeast phosphoglyceric acid mutase-modifying enzyme. Arch. Biochem. Biophys. 115(1):53-61. Ref. July 1966. 381 Ar2
- 7080 SCHAEDEL, U., LOCHMANN, E. R., and LAS-KOWSKI, W. Cysteine incorporation and radio-protection in *Saccharomyces*. Nature [London] 211(5047):431-432. July 23, 1966. 472 N21
- 7081 SCHIEWER, U., and LIBBERT, E. Indoleacetamide—an intermediate in the formation of indoleacetic acid from indoleacetonitrile in the alga *Furcellaria fastigiata*. (Ge) Planta 66(4):377-380. Ref. 1965. 450 P693
English summary.
- 7082 SCHMIDT, G. C., and others. Requirements for the growth of *Aspergillus versicolor* on atropine sulfate. J. Pharm. Sci. 55(9):914-919. Sept. 1966. 396.8 J825
H. W. Walker, F. R. Roegner, and C. G. Fischer, joint authors.
In culture.
- 7083 SCHOLANDER, P. F. The role of solvent pressure in osmotic systems. Nat. Acad. Sci. Proc. 55(6):1407-1414. June 1966. 500 N21P
Plants.
- 7084 SESTAK, Z. Construction of a simple nomogram for evaluating two-wavelength spectrophotometric determination of chlorophylls. Biol. Plant. 8(2):97-109. 1966. 450 B52
- 7085 SHAKHOV, A. A. The effect of cosmic radiation on plant activity. 20 p. Ref. Transl. 15557
Translation from Zhurnal Obshchei Biologii 23(2):81-89. 1962.
- 7086 SHALAGINA, A. I., OSTROVSKII, N. I., and BAN'KOVSKAYA, A. N. Growth of *Claviceps purpurea* Tul. on a medium with herbicides. (Rus) Mikrobiologiya 35(1):48-50. Jan./Feb. 1966. 448.3 M582
English summary.
2,4-D and maleic hydrazide.
- 7087 SHAYLOVSKII, G. M., and KHEMINSKAYA, G. P. On vitamin requirements of yeasts of the *Candida* genus. (Rus) Mikrobiologiya 34(1): 53-60. Ref. Jan./Feb. 1965. 448.3 M582
English summary.
- 7088 SHCHEPETINA, F. A., and CHALYI, I. I. Role of germination and vitality of peanut spores. (Rus) In Vopr. Semenovodstva, Semenov. i Kontrol'no-semen. Dela. 2:349-352. 1964. Not in Libr.
- 7089 SHERWOOD, W. A. Evidence for a sexual hormone in the water mold *Dictyuchus* [monosporus]. Mycologia 58(2):215-220. Mar./Apr. 1966. 450 M99
- 7090 SHIMIZU, T., and UENO, Y. Studies on yield-forecast in main crops. 15. On the regional differences of meteorological and other natural conditions in the Chugoku district. (Ja) Crop Sci. Soc. Japan Proc. 35(1/2):33-37. Aug. 1966. 22.5 C88
English summary.
Paddy rice.
- 7091 SHIVRINA, A. N. Biologically active compounds in higher fungi. (Rus) Rastitel. Resursy 1(1):31-41. Ref. 1965. 450 R18
Agaricales.
- 7092 SHLYK, A. A. Metabolizm khlorofilla v zele-nom rastenii [Metabolism of chlorophyll in green plant]. Minsk, Nauka i Tekhnika, 1965. 396 p. Ref. QK898.C555
- 7093 SHUMWAY, L. K., and BAUMAN, L. F. The effect of hot water treatment, X-ray irradiation and mesocotyle grafting on cytoplasmic male sterility of maize. Crop Sci. 6(4):341-342. July/Aug. 1966. 64.8 C883
- 7094 SIMOLA, L. K. Chemical and morphological characteristics of some endemic species of *Lathyrus*. Suomen Kem. B, 39(7/8):148-150. Ref. 1966. 385 Su7
In the plant parts.
- 7095 SLACK, R., and COKE, L. Further studies on the role of boron in plant nutrition. Nottingham. Univ. Sch. Agr. Rep. 1965:66-68. 1965. 103 N84Re
- 7096 SMITH, F. A. Active phosphate uptake by *Nitella translucens*. Biochim. Biophys. Acta 126(1):94-99. Ref. Sept. 5, 1966. 381 B522
- 7097 STANOWA, M., and LACOK, P. Study of the effect of apricot gums on the growth of pathogenic fungi in vitro. (Ge) Biologia [Bratislava] 21(4): 246-251. Ref. 1966. 442.8 B5265
Plant pathogenic Deuteromycetes; inhibition.
- 7098 STARON, T., and others. Isolation of three toxic substances from the culture medium and from the mycelium of *Aspergillus ochraceus*. (Fr) Phytat.-Phytopharm. 14(2):73-79. June 1965. 464.8 P564
C. Allard, D. X. Nguyen, M. M. Chambre, H. Grabowski, and A. Kollmann, joint authors.
In laboratory culture.
- 7099 STARON, T., ALLARD, C., and NGUYEN DAT XUONG. Metabolism of anthranilic acid and para-aminobenzoic acid in *Aspergillus ochraceus*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):81-84. Ref. July 4, 1966. 505 P21
- 7100 STARON, T. Research on nitrogen compounds favorable to the growth of some microorganisms. (Fr) Phytat.-Phytopharm. 14(2):87-71. June 1965. 464.8 P564
Includes tests with cultures of plant pathogenic fungi and bacteria.

- 7111 STEPANOV, N. D. Forecasting the heat supply for plants during vegetational period. (Rus) Meteorol. Gidrol. 5:48-49. May 1966. 345 M56
- 7112 STRAUSS, R., and LEPOINT, J. Influence of chloride alkalis on the nutrition and growth of the Characeae. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):40-43. July 4, 1966. 505 P21
- 7113 STREET, H. E., and MELHUISE, F. M. Nitrogen nutrition of excised roots. The release of amino acids by growing root cultures. Int. Conf. Plant Tissue Cult. Penn. State Univ. Proc. 1963:25-43. Ref. 1965. QK725.15 Nitrate in tomato culture medium. Discussion, p.77-91.
- 7114 STRUGOVSHCHIKOVA, L. P. Flavine production by some yeasts of the *Candida* genus. (Rus) Mikrobiologiya 34(4):617-622. Ref. July/Aug. 1965. 448.3 M582 English summary.
- 7115 SVANBERG, O. Effects of different forms of nitrogen on the uptake of phosphorus by the plants. (Sw) Vaxt-Narings-Nytt 22(3):20-23. Ref. 1966. 57.8 V47 English summary, Summaries of articles, p.3.
- 7116 T'ANG, P. S. Regulation and changes in the pathways of metabolism and its alteration in connection with other physiological functions. On the multiplicity of pathways of respiratory metabolism in higher plants. (Ch) Shengwu Kexue Dongtai 3:1-13.36. 1965. Not in Libr. Review of the literature. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 44:16. Feb.24,1966. (JPRS 34,281; TT 66-30722) 241.7 Un34C Issued by CFSTI.
- 7117 TASHPULATOV, ZH. Cellulolytic enzymes of a thermophilic and mesophilic strains of *Aspergillus fumigatus*. (Rus) Mikrobiologiya 35(1):27-34. Jan./Feb.1966. 448.3 M582 English summary.
- 7118 TATSUKAWA, R., and FRANKLIN, R. E. Effect of soil humic acids on uptake of fission products by excised roots. Soil Sci. Soc. Amer. Proc. 30(4):460-462. July/Aug.1966. 56.9 So3
- 7119 TEREIN, A., KOBYSHEV, G., and LIALIN, G. Anomalous emission of chlorophyll, stimulated by ruby laser. Photochem. Photobiol. 5(8):689-691. Aug.1966. 382 P56
- 7120 TOWERS, G. H. N., TSE, A., and MAASS, W. S. G. Phenolic acids and phenolic glycosides of *Gaultheria* species. Phytochemistry 5(4):677-681. Ref. July 1966. 450 P5622
- 7121 TROJANOWSKI, J., LEONOWICZ, A., and HAMPEL, B. Exoenzymes in fungi degrading lignin. II. Acta Microbiol. Polon. 15(1):17-22. 1966. 448.3 Ac82 *Pholiota mutabilis*.
- 7122 VARDUKADZE, D. A. The development of the root system of young bay-laurel plants under various nutritional conditions. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult. 4:93-104. Ref. 1965. 68.19 M28 English summary. *Laurus nobilis*.
- 7123 VAUGHAN, J. G., and others. Comparative studies of the seed proteins of *Brassica campestris*, *Brassica oleracea*, and *Brassica nigra*. J. Expt. Bot. 17(51):332-343. Ref. May 1966. 450 J8224 A. Waite, D. Boulter, and S. Waiters, joint authors.
- 7124 VELIMINSKY, J., and GICHNER, T. The effect of X-rays on dry and soaked seeds of *Arabidopsis thaliana* (L.) Heynh. (Cz) Sb. UVTI (Ustav Vedeckotechn. Inform.) Genet. Sclsteni 1(2):45-54. Ref. Apr.1965. QH431.A1S25 English summary.
- 7125 VENIS, M. A., and BLACKMAN, G. E. The uptake of growth substances, VII. The accumulation of chlorinated benzoic acids by stem tissues of different species. J. Expt. Bot. 17(51):270-282. Ref. May 1966. 450 J8224 Peas, *Gossypium hirsutum*, and oats.
- 7116 VINOGRADOV, A. P. Minor elements and tasks of science. (Rus) Agrokimiya 8:20-30. Ref. Aug.1965. 385 Ag89 Content of minor elements in different plants.
- 7117 VITTIM, M. T., DETHIER, B. E., and LESER, R. C. Estimating growing degree days. Amer. Soc. Hort. Sci. Proc. 87:449-452. Dec. 1965. 81 So12 Northeastern States.
- 7118 VOGELS, G. D., and others. Allantoinases from bacterial, plant and animal sources. I-II. Biochim. Biophys. Acta 122(3):482-509. Ref. Sept.12,1966. 381 B522 F. Tribels, A. Uffink, and C. Van Der Drift, joint authors.
- 7119 VOLGER, C. On the translocation of aminotriazole in bracken [*Pteridium aquilinum*]. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:129-138. 1965. 464.8 Z33 English summary.
- 7120 VOROTNITSKAYA, N. E., and MOKHOVA, E. N. A study of the cytochrome system of *Torula utilis* by the distribution of the reduction degree of the respiratory chain links in a steady state. (Rus) Mikrobiologiya 34(3):418-423. May/June 1965. 448.3 M582 English summary.
- 7121 WANG, P. L., and TANAKA, H. Yellow pigments of *Aspergillus niger* and *Aspergillus awamori*. II. Agr. Biol. Chem. 30(7):683-687. July 1966. 385 Ag8B
- 7122 WEARY, P. E., and CANBY, C. M. Absence of keratinolytic activity in three strains of *Candida albicans*. J. Invest. Dermatol. 46(5):464-472. Ref. May 1966. 448.8 J8292
- 7123 WEATHERLEY, P. E. A porometer for use in the field. New Phytol. 65(3):376-387. July 1966. 450 N42
- 7124 WEAVER, M. L., and STEEN, H. A. An adjustable-height steel rail aligning tray for coating thin-layer chromatograms. Anal. Biochem. 16(3):531-532. Sept.1966. 381 An13 For plant tissue analysis.
- 7125 WENG, S. C., and YAO, P. H. Studies on the Actinomycetes grown on nitrogen-free medium. I. Ecological distribution and antagonistic properties. (Ch) Acta Microbiol. Sinica 11(4):564-571. Nov.1965. 449.3 Ac83 Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 46:15-16. Feb.28,1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C Issued by CFSTI.
- 7126 WEIDEMANN, G., and FISCHER, W. The conversion of 2-deoxy-D-galactose in metabolism. III. Formation of 2-deoxy-alpha-D-glucopyranosyl-beta-D-fructofuranoside in plants. (Ge) Hoppe-Seyler's Z. Physiol. Chem. 342(4/6):236-247. Ref. 1965. 384 Z38 English summary.
- 7127 WESTPHAL, A. Studien über die Ertragsbildung und Aufnahme von Nährstoffen, insbesondere des Stickstoffs durch die Pflanze auf Böden mit unterschiedlichem Ammonium-Fixierungsvermögen [Studies on the yield formation and uptake of nutrients, especially nitrogen, through plants on soils with differing ammonium fixation capabilities]. Giessen, Justus-Liebig-Universität Landwirt. Fak. [Diss.] 16,191 p. Ref., p.185-188. 1964. 105.8 G336
- 7128 WHYTE, P., and LUCKWILL, L. C. A sensitive bioassay for gibberellins based on retardation of leaf senescence in *Rumex obtusifolius* L. Nature [London] 210(5043):1360. June 25, 1966. 472 N21
- 7129 WOLF, H., and others. Further study of chlorophyll and hemin. IV-VI. (Ge) Justus Liebig's Ann. Chem. 695:98-143. 1966. 384 An7 H. H. Inhofen, G. Klotmann, G. Jeckel, J. H. Fuhrhop, H. Voigt, and H. Brockmann, joint authors.
- 7130 WRIGHT, J. R., and LE TOURNEAU, D. Mannitol production by *Pyrenochaeta terrestris*. Physiol. Plant. 19(3):702-708. Ref. 1966. 450 P564

- 7131 YAMAGUCHI, M., HOWARD, F. D., and PRATT, H. K. A rapid and accurate device for calibrating the Warburg respirometer. *Anal. Biochem.* 16(2):338-342. Aug. 1966. 381 An13
In plant research.
- 7132 YANAGITA, T. Dynamic aspects of fungal growth with special reference to enzyme formation. *J. Ferment. Technol.* 44(6):313-320. 1966. 390.08 H12
- 7133 YEZDAKOVA, L. A. Lithium content in plants of Zeravshan Valley. (Rus) *Bot. Zhur. [Moscow]* 51(5):727-730. Ref. May 1966. 451 R923
- 7134 YOSHIDA, Y., and YOSHIDA, S. An extraction procedure for rapid determination of boron in plant tissues. 13 p. *Transl.* 16156
Translation from *Journal of the Science of Soil and Manure* 36(3):45-48. 1965.
- 7135 ZADRAZIL, S. Solution of the total primary structure of the soluble ribonucleic acids. (Cz) *Chem. Listy* 60(8):1065-1078. Ref. Aug. 1966. 385 C425
Of plant and animal origin.
- 7136 ZAKORDONETS', L. A. Biosynthesis of free amino-acids by microscopic fungi. (Uk) *Mikrobiol. Zhur.* 27(3):6-11. Ref. 1965. 448.3 K54
English summary.
Aspergillus, *Penicillium* and *Fusarium*.
- 7137 ZAMAN, A., and others. A new norritrerenoid ketol from two *Adiantum* species. *Tetrahedron Lett.* 33:3943-3947. Aug. 1966. 385 T29
A. Prakash, A. M. U. Allgarh, G. Berti, F. Bottari, B. Macchia, A. Marsili, and T. Morelli, joint authors.
- 7138 ZAVADSKAYA, I. G., and DEN'KO, E. I. Effect of dehydration on the thermostability of plant cells. (Rus) *Bot. Zhur. [Moscow]* 51(5):696-705. Ref. May 1966. 451 R923
- 7139 ZHEVNER, V. D., GUSEV, M. V., and SHESTAKOW, S. V. Change in composition and content of pigments of blue-green algae as a function of spectral composition of light and of the degree of illumination. (Rus) *Mikrobiologiya* 34 (2):209-215. Ref. Mar./Apr. 1965. 448.3 M582
English summary.
Nodularia, *Anabaena variabilis* and *Hapalosiphon fontinalis*.
- 7140 ZIEGLER, H., and ZIEGLER, I. The influence of light on the NADP-dependent glycerolaldehyde-3-phosphate-dehydrogenase. (Ge) *Planta* 65(4):369-380. Ref. 1965. 450 P633
English summary.
Angiospermae.
- 7141 ZIEGLER, H. The physiology of plant glands. (Ge) *Deut. Bot. Ges. Ber.* 78(10):466-477. Ref. 1965. 451 D48
- 7142 ZITO, S. W., and LEARY, J. D. Alkaloids of *Scopolia carniolica*. *J. Pharm. Sci.* 55(10):1150-1151. Oct. 1966. 396.8 J825
- Physiology and Biochemistry of Field Crops
- 7143 ABELES, F. B. Effect of ethylene on auxin transport. *Plant Physiol.* 41(6):946-948. Ref. June 1966. 450 P692
Indoleacetic acid in field crops.
- 7144 BELYAeva, I. P., RACHKULIK, V. I., and SILNIKOVA, M. V. Relationship between brightness coefficient of system, soil-vegetation cover and the quantity of vegetative mass. (Rus) *Meteorol. Gidrol.* 8:7-12. Ref. Aug. 1965. 345 M56
Solar radiation and field crop yields.
- 7145 GRASSI, C. J. Use of energy balance and solar radiation data for estimating evapotranspiration of crops. (Sp) *Univ. Nac. Cuyo. Fac. Cienc. Agr. Rev.* 11(1/2):111-126. Ref. 1964, pub. 1966. 102.5 M52
- 7146 PETRENKO, YU. D. Factors influencing germination of seeds. (Rus) *Volgogradsk. Ped. In-t. Sb. Nauch. Rabot* 1:35-43. 1964. Not in Libr.
Effects of humidity on field crop seeds.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 13:12. July 1965. Film S-202
- 7147 SPENCER, W. F., MACKENZIE, A. J., and VIETS, F. G. The relationship between soil tests for available nitrogen and nitrogen uptake by various irrigated crops in the Western States. *Soil Sci. Soc. Amer. Proc.* 30(4):480-485. Ref. July/Aug. 1966. 56.9 S83
- 7148 TANIN, K. E. The balance of chlorine, sulphur, and potassium in a longterm experiment with some forms of potassium fertilizers. (Rus) *Agrokimiya* 12:43-50. Dec. 1965. 385 Ag89
Uptake of these elements by fieldcrops in rotation of crops.
- 7149 TSERLING, V. V. Role of nutrition in crop formation. (Fr) *Agrochimica* 10(3):266-280. Ref. June 1966. 385 Ag84
English summary.
- 7150 VICENTE-CHANDLER, J., ABRUNA, F., and SILVA, S. Effect of shade trees on yields of five crops in the humid mountain region of Puerto Rico. *P. R. Univ. J. Agr.* 50(3):218-225. July 1966. 8 P832J
- 7151 VISSER, W. C. Theoretical observations concerning crop yields, growth factors and water consumption. 14 p. *Transl.* 14605
Translation from *Zeitschrift für Acker- und Pflanzenbau* 119(4):293-308. 1964.
- 7152 ZHOLKEVICH, V. N., HOLLER, V. A., and ROGACHEVA, A. J. Correlation between respiration and heat emission, under conditions of moderate wilting of plants. (Rus) *Akad. Nauk SSSR. Dokl.* 169(3):713-716. Ref. 1966. 511 P444A
Field crops.
- Physiology and Biochemistry - Cereals
- 7153 ABDEL-GAWAD, A. M. Beeinflussung der Ertragsstruktur von drei Sommergerstensorten durch Photoperiodismus, Saatzeit und Düngung [Influencing of the yield of three varieties of summer barley by photoperiodism, planting time, and fertilizing]. *Hohenheim. Landwirt. Hochsch. Diss.* 1,133 p. 1964. 105.8 H665D
Bibliography, p.122-132.
- 7154 ABEIJON, J. Shortening of the wheat stalk to avoid lodging. (Sp) *Agricultura [Madrid]* 409:249-259. May 1966. 15 Ag84
Use of CCC.
- 7155 ALEXANDROVA, I. V. Microorganisms and nitrogen nutrition of plants. (Rus) *Pochvovedenie* 8:33-38. Ref. Aug. 1966. 57.8 P34
English summary.
Corn.
- 7156 ALSTON, A. M. The effects of limestone, N, K, and Mg fertilizers on Mg absorption by oats and barley. *J. Agr. Sci. [London]* 67(1):1-6. Ref. Aug. 1966. 10 J822
Scotland.
- 7157 AZIMOVA, M. K. Biochemical characteristics of the registered and promising corn varieties in Uzbekistan. (Rus) *Tashkent. Nauch.-Issled. Inst. Khlopkov. Sb. Nauch. Rabot Aspirantov SvyazNIKI* 4:5-10. 1964. 72.9 T182Sb
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 16:20. Aug. 1965. Film S-202
- 7158 AZIN, L. A. Presowing treatment of grain seeds in grain driers. (Rus) *Ural'skii N.-I. In-t. S. Kh. Tr.* 5:225-230. 1964. Not in Libr.
Treatment of wheat for better yields.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 16:15. Aug. 1965. Film S-202
- 7159 BARBER, D. A., and SHONE, M. G. T. The absorption of silica from aqueous solutions by plants. *J. Exp. Bot.* 17(52):569-578. Aug. 1966. 450 J824
Barley and bean.
- 7160 BAUER, A., YOUNG, R. A., and VASEY, E. H. How nitro- gen affects protein; test weight. *N. Dak. Farm Res.* 24(5):18-23. May/June 1966. 100 N813B
Wheat.
- 7161 BELOBORODOVA, G. G., and ZENKOVA, E. M. Estimation and forecasting of grain crop yields for non-irrigated areas of southeastern Kazakhstan. (Rus) *Meteorol. Gidrol.* 5:32-35. May 1966. 345 M56
As related to moisture supply.

- 7162 BELOHLAWEK, L. Changes of the sub-strata-specificity of proteolytic enzyme-systems during germination and malting. 8 p. Transl. 15524 Barley. Translation from Getreide und Mehl 15(1):9-12, 1965.
- 7163 BEREZINA, N. M. Effect of presowing treatment of corn seeds with gamma rays on increase of their yields and quality. (Rus) In Biol. Osnovy Povysh. Kachestva Semyan S.-Kh. Rast. 1964:167-171. Not in Libr.
- 7164 BLANCAVER, A. T., and EHRENBERG, L. Effects of alpha-irradiation produced by thermal neutron reaction with boron on barley seeds. Philippine Agr. 49(2):138-145, July 1965. 25 P542
- 7165 BOIKO, V. S., and RAMAZANOVA, L. N. Uptake of nitrogen, phosphorus, and potassium by winter rye on the leached Chernozem of western Siberia. (Rus) Agrokimiya 12:17-21, Dec.1965. 385 Ag89
- 7166 BORISOGLIBSKII, G. I. Aerial survey on the state of grain crops. (Rus) Meteorol. Gidrol. 3:54-55, Mar.1966. 345 M56
Chiefly determining developmental phases.
- 7167 BRIGGS, W. R., and CHON, H. P. The physiological versus the spectrophotometric status of phytochrome in corn coleoptiles. Plant Physiol. 41(7):1159-1166, Ref. Sept.1966. 450 P692
Influence of red light.
- 7168 CHANG, C. L., and HSIA, F. S. The effect of drought on the optical properties of maize leaves. (Ch) Chih Wu Sheng Li Hsueh T'ung Hsun 5:9-10, 1964. 450 C434
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:11, Mar.9,1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 7169 CH'EN, Y. C. The artificial germination and growth of pollen tube of maize pollen. (Ch) Acta Bot. Sinica 13(4):383-388, Dec.1965. 450 C432
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 45:23-24, Feb.24,1966. (JPRS 34,284; TT 66-30725) 241.7 Un34C
Issued by CFSTI.
- 7170 CHIRKOV, YU. I. Basis of long-range agro-meteorological forecasting of corn yields. (Rus) Meteorol. Gidrol. 9:3-7, Sept.1965. 345 M56
Statistical methods applied.
- 7171 CHIU, T. F., and WANG, Y. J. A study of the effect of the short day on the absorption and accumulation of p32 in various organs of rice (oryza). (Ch) Zhongshan Daxue Xuebao, Ziran Kexue 4:562-569, 1964. 475 C47
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 44:11, Feb.24,1966. (JPRS 34,281; TT 66-30722) 241.7 Un34C
Issued by CFSTI.
- 7172 CHONAN, N. Studies on the photosynthetic tissues in the leaves of cereal crops. II. Effect of shading on the mesophyll structure of the wheat leaves. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):78-82, Ref. Aug.1966. 22.5 C88
English summary.
- 7173 DIMOVA, R. Effect of fertilizers on corn blossoming and yields. (Bu) Rastenievudni Nauk. 2(4):99-112, Ref. 1965. 64.8 R18
English summary.
- 7174 DMITRENKO, P. A., and TOMASHEVSKAYA, E. G. Uptake of calcium by leguminous plants and cereals under different conditions of their nutrition. (Rus) Agrokimiya 8:70-81, Ref. Aug.1965. 385 Ag89
Radioactive calcium used in research.
- 7175 DMYTRENKO, P. O., FEDOROVA, N. A., and HOLOVASHCHUK, ZH. Effect of fertilizers on quality of winter wheat. (Ukr) Visnyk S.S'k'ko-hospodar. Nauk. 7:39-47, Ref. July 1965. 20 V82
Russian summary.
- 7176 DUDYNS'KYI, Y. A. Distribution of lipids and starch in various intercalary growth zone tissues of maize stems. (Ukr) Ukr. Bot. Zh. 23 (4):11-14, Ref. 1966. 450 J8212J
English summary.
- 7177 EBERT, D., and BAUCH, G. Information on the use of CCC in grain culture. (Ge) Feldwirtschaft 7(7):382-383, July 1966. 18 W763
- 7178 EVANS, E. C., and VAUGHAN, B. E. New methods for effecting watertight seals on corn roots. Plant Physiol. 41(6):1077-1078, June 1966. 450 P692
- 7179 EVANS, E. C., and VAUGHAN, B. E. Wounding response in relation to polar transport of radiocalcium in isolated root segments of Zea mays. Plant Physiol. 41(7):1145-1151, Ref. Sept.1966. 450 P692
- 7180 EWALD, E. Die Wirkung unterschiedlicher Stickstoffdüngung auf Sommerweizen unter besonderer Berücksichtigung der Kornproteine und der Backqualität [The effect of different amounts of nitrogen fertilizing on summer wheat with special attention to grain protein and baking quality]. Hohenheim, Landwirt. Hochsch. Diss. 7,86 p. 1964. 105.8 H686D
Bibliography, p.77-84.
- 7181 FADRRHONS, J. The influence of environment on the yield components of wheat. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(3):37-46, Ref. Aug.1965. QH431.A1S25
English summary.
- 7182 FALK, H., LUTTGE, U., and WEIGL, J. Investigations on the physiology of plasmolyzed cells. II. Ion uptake, oxygen exchange, and transport. (Ge) Z. Pflanzenphysiol. 54(5):446-462, Ref. May 1966. 450 Z32
English summary
Eleodea canadensis and Zea mays.
- 7183 FALK, S. O. Effect on transpiration and water uptake by rapid changes in the osmotic potential of the nutrient solution. Physiol. Plant. 19(3): 602-617, Ref. 1966. 450 P564
In wheat.
- 7184 FARRAHI-ASCHTIANI, S. Die Nährstoffaufnahme bei etiolierten und bei unterschiedlich lange belichteten jungen Weizen- und Reisflanzen [Nutrient uptake by young wheat and rice plants that have been etiolated and given different amounts of light]. Giessen, Justus-Liebig-Universität. Fak. [Diss.] 7,117 p. Sept.1966. 105.8 G36
Bibliography, p.105-114.
- 7185 FIRBAS, H. Resistance of seed species against high temperature and observations on artificially dried seed. (Ge) Saatgut-Wirtsch. 17(7/8): 244-246, (Cont.) Aug.1965. 61.6 S41
Effects on viability of grain seeds.
- 7186 FOLTYN, J. The effect of the quality of light upon the ontogenesis of wheat. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(3):5-16, Ref. Aug.1965. QH431.A1S25
English summary.
- 7187 FUNAKOSHI, S. Effect of depth of transplantation on the growth and yield of the rice plant. 13 p. Transl. 15537
Translation from Crop Science Society of Japan. Proceedings 31(1):69-72, Sept.1962.
- 7188 GILLINGHAM, J. T. Some factors affecting the net absorption of exchangeable potassium by the Neubauer rye seedling method. II. The disproportionate influences of nitrogen and phosphate. Soil Sci. 102(3):147-150, Sept.1966. 56.8 S03
- 7189 GRUDEVA, A. YA. Evaluation of agrometeorological conditions of autumn growth of winter grains. (Rus) Meteorol. Gidrol. 5:42-45, May 1966. 345 M56
- 7190 HANSEL, H. The physiology of yield formation and breeding for yield in cereals. (Ge) Z. Pflanzenzücht. 54(2):97-110, Ref. Nov.1965. 450 Z36
- 7191 HARTMAN, T. A. Influence of daylength on vernalization of winter rye. II. Continued experiments with short-day vernalization in winter rye. Neth. J. Agr. Sci. 14(2):89-102, May 1966. 12 N3892

- 7192 HENDERLONG, P. R., and SCHMIDT, R. R. Determination of free ammonium and asparagine and glutamine amide-nitrogen in extracts of plant tissue. *Plant Physiol.* 41(7):1102-1105. Ref. Sept.1966. 450 P692
Barley.
- 7193 HOSHIZAKI, T., ADEY, W. R., and HAMNER, K. C. Growth responses of barley seedling to simulated weightlessness induced by two-axis rotation. *Planta* 69(3):218-229. Ref. 1966. 450 P693
Studied in a net zero gravity apparatus, a nogravatron.
- 7194 HOUSE, C. R., and FINDLAY, N. Water transport in isolated maize roots. *J. Expt. Bot.* 17(51):344-354. Ref. May 1966. 450 J8224
Osmotic study of tissue culture.
- 7195 HUFFAKER, R. C., and others. Effects of light intensity on photosynthetic carboxylative phase enzymes and chlorophyll synthesis in greening leaves of Hordeum vulgare L. *Plant Physiol.* 41(6):913-918. Ref. June 1966. 450 P692
R. L. Obendorf, C. J. Keller, and G. E. Kleinkopf, joint authors.
- 7196 IGARASHI, O., and SAKURAI, Y. Studies on the non-starchy polysaccharides of the endosperm of naked barley. II. *Agr. Biol. Chem.* 30(7):642-645. July 1966. 385 Ag8B
- 7197 IVANKO, S., and JAVOR, A. Study of the regularity of correlations of individual amino acids in the grain of cereals. (Cz) *Pol'nohospodárstvo* 12(7):519-528. Ref. 1966. 19.5 P752
English summary.
- 7199 IVANOVA-ZUBKOVA, N. Z. Agrometeorological indices of growing conditions of buckwheat. (Rus) *Meteorol. Gidrol.* 9:330-33. Sept.1965. 345 M56
- 7199 IWATA, I., and BABA, I. Studies on the varietal adaptability for heavy manuring in rice. 2. Effects of silica upon the adaptability of rice plants for heavy manuring in relation to photosynthesis. 9 p. Ref. Transl. 16122
Translation from Crop Science Society of Japan. *Proceedings* 30:237-240. 1962.
- 7200 JACKSON, P. C., and EDWARDS, D. G. Cation effects on chloride fluxes and accumulation levels in barley roots. *J. Gen. Physiol.* 50(1):225-241. Ref. Sept.1966. 447.8 J822
- 7201 JENSEN, L. A., and HAGEN, I. The value of damaged kernels for seed. N. Dak. State Univ. Ext. Circ. A-480, 4 p. Jan. 1966. 275.29 N812Sa
Chiefly effects on wheat germination.
- 7202 JOHNSON, B. J., and HARRIS, H. B. Effects of lime, phosphorus and potassium on time of flowering and yield of grain sorghum. *Ca. Agr. Res.* 8(1):9-11, map. Ref. Summer 1966. 100 G295
- 7203 JOHNSTON, H. H. The incorporation of C¹⁴-labelled phenylalanine, tyrosine, and glucose into corn roots. *Ohio J. Sci.* 66(3):327-330. May 1966. 410 Oh3
- 7204 JOWETT, D. The grain structure of sorghum related to water uptake and germination. *East Afr. Agr. Forest. J.* 31(1):25-30. July 1965. 24 Ea74
- 7205 KARTSEVA, L. N. Changes of phosphorus content in winter wheat and rye plants as induced by fertilizers. (Rus) *Khim. Sel'skom Khoz.* 4(4):12-19. Apr. 1966. 385 K524
- 7206 KIRBY, E. J. M., and EISENBERG, B. E. Some effects of photoperiod on barley. *J. Expt. Bot.* 17(51):204-213. Ref. May 1966. 450 J8224
- 7207 KNIGHTS, B. A. Isolation of 4-hydroxyphthalide from oat grain. *Nature [London]* 210(5042):1261-1262. June 18, 1966. 472 N21
- 7208 KOGAN, F. N. Dependence of growing and maturity of spring wheat on agrometeorological conditions of spring season. (Rus) *Meteorol. Gidrol.* 1:39-43. Jan. 1966. 345 M56
- 7209 KOLESNIKOV, P. A. Catalytic action of glycolic acid upon oxidation of chlorophyll in ground leaves. 6 p. Transl. 15284
Barley.
Translation from Akademiya Nauk SSSR. *Doklady* 60:1353-1355. 1948.
- 7210 KOLESNIKOV, P. A. The role of glycolic acid in the oxidative metabolism of green cells. 18 p. Ref. Transl. 15285
Barley.
Translation from Biokhimiya 13(4):370-377. 1948.
- 7211 KORENEV, H. V. Formation of grain and stages of its development. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 6:28-31. June 1965. 20 V82
Russian summary.
Wheat.
- 7212 KRYUKOVA, L. M., and KASYMOV, A. Effect of ion radiation on principal growth phases of rice and mung beans. (Rus) *Uz. Biol. Zhur.* 6:5-7. 1964. 442.8 Uz1
Treatment of seeds with gamma rays.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:13. Aug. 1965. Film S-202
- 7213 KUAN, K. L., and T'ANG, P. S. Effect of CCC on the growth of wheat and the application of CCC in the fields. (Ch) *Tso Wu Hsueh Pao* 4(4):354-360. Nov. 1965. 64.8 T73
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 4:7:64-65. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 7214 KULIK, M. S. Necessity of calculation of agrometeorological conditions for increased effectiveness of mineral fertilizers. (Rus) *Meteorol. Gidrol.* 5:11-16, map. Ref. May 1966. 345 M56
Effects on grain crops.
- 7215 KUTACEK, M., and others. The influence of gamma radiation on the biosynthesis of indoles and gibberellins in barley; the action of zinc on the restitution of growth substance level in irradiated plants. *Biol. Plant.* 8(2):152-163. Ref. 1966. 450 B52
N. Masev, K. Oplistiolova, R. Bulgakov, joint authors.
- 7216 LAPIDUS, L. YA. Effects of potassium and its mixture with nitrogen and phosphorus on some physiological indices in spring barley under influence of different humidity. (Rus) *Nauchn. Konferentsii Professorov i Prepodavat. Kishinevsk. S.-Kh. In-t. Dokl.* 1963:62-65. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 13:16. July 1965. Film S-202
- 7217 LEVIN, A. M. Desiccation of corn. U. S. Joint Publ. Res. Serv. [Transl.] *Appl. Chem. Agr. USSR.* Dec. 7, 1964:19-21. (JPRS 27,710; TT 64-51876) 173 J663App
Spraying with compounds before harvest to bring kernels to uniform ripeness.
Translation from Khimiya v Sel'skom Khozyaistve 7:51-52. July 1964.
Issued by CFSTI.
- 7219 LEYH, C., and BASTIN, M. Auxin-oxydase activity of peroxidase in Zea mays. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(25):2593-2596. June 20, 1966. 505 P21
- 7219 LILJENBERG, C. The effect of light on the photolization of chlorophyllide a and the spectral dependence of the process. *Physiol. Plant.* 19(3):848-853. Ref. 1966. 450 P564
In wheat.
- 7220 LINSER, H. CCC in the control of grain lodging. (Ge) *Umschau* 66(9):279-281. May 1, 1966. 474 Um7
- 7221 LIPS, S. H., STEER, B. T., and BEEVERS, H. Metabolism of corn roots in malonate. *Plant Physiol.* 41(7):1135-1138. Ref. Sept. 1966. 450 P692
- 7222 LOERCHER, L. Phytochrome changes correlated to mesocotyl inhibition in etiolated Avena [sativa] seedlings. *Plant Physiol.* 41(6):932-936. Ref. June 1966. 450 P692
Red light inhibition.
- 7223 LOUGHMAN, B. C. The mechanism of absorption and utilization of phosphate by barley plants in relation to subsequent transport to the shoot. *New Phytol.* 65(3):388-397. Ref. July 1966. 450 N42
- 7224 LUPTON, F. G. H. Translocation of photosynthetic assimilates. *Ann. Appl. Biol.* 57(3):355-364. Ref. June 1966. 442.8 An72
Carbohydrates in wheat.

- 7225 LUSIN, V. Criteria for corn seeds. (Se) Biljna Zastita 10(6/7):132-135. June/July 1966. 464.8 B49
Includes viability and health.
- 7226 LYON, C. J., and YOKOYAMA, K. Orientation of wheat seedling organs in relation to gravity. Plant Physiol. 41(6):1065-1073. Ref. June 1966. 450 P692
- 7227 MALISHCHUK, I. Ya. Dosimetry of ultraviolet radiation and estimation of its influence on productivity of corn. (Uk) Visnyk Sil'skoho-spodar. Nauk. 6:43-50. June 1965. 20 V82
Russian summary.
Treatment of seeds for better yields.
- 7228 MARSIALEK, L., VORISEK, V., and BEDNAR, J. Study of the enzymatic activity in the early phases of the growth and development in self-pollinated lines, simple hybrids and the "Early Cejč" double hybrid. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):23-32. Ref. Jan. 1966. QH431.A1S25
English summary.
Corn.
- 7229 MARSCHNER, H., and MENGEL, K. The effect of Ca- and H-ions on the membrane permeability of young barley roots under various metabolic conditions. (Ge) Z. Pflanzenernahr. Dün-gung. Bodenk. 112(1):39-49. Ref. 1966. 384 Z343A
English summary, p. IV.
- 7230 MASEV, N., and KUTACEK, M. The effect of zinc on the biosynthesis of tryptophan, indole auxins and gibberellins in barley. Biol. Plant. 8(2):142-151. Ref. 1966. 450 B52
- 7231 MEDVEDEV, A. I., and KRETOVICH, V. L. Two ways of biosynthesis of lysine in the higher plants. (Rus) Biokhimiya 31(4):659-665. Ref. July/Aug. 1966. 385 B523
English summary.
Peas and corn.
- 7232 MEINX, R. The effect of chlorocholine chloride (CCO) (Ge) Forderungsdienst 14(2):48-53. Ref. Feb. 1966. 19 F75
Prevention of lodging in wheat.
- 7233 MELNICHENKO, V. F., and BYSTRENIKOVA, M. V. Iron and aluminum in corn plants. (Rus) Agrokimiya 12:78-83. Dec. 1965. 385 Ag89
- 7234 MINAR, J., and LASTUVKA, Z. Mutual influence of barley (*Hordeum vulgare* L.) and oat (*Avena sativa* L.) in water culture under supplemental nutrition. (Ge) Biol. Plant. 8(4):305-315. Ref. 1966. 450 B52
Root excretions.
- 7235 MISHIN, A. N. Presowing treatment of corn seeds with minor element solutions. (Rus) Vseros. N.-I. In-t. Sakharn. TSveki i Sakhara. Tr. 11(1):104-106. 1964. Not in Libr.
To improve yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 13:18. July 1965. Film S-202
- 7236 MISHUSTIN, E. N., and EROFEEV, N. S. On the nature of toxic substances accumulating during straw decomposition in soil. (Rus) Mikrobiologiya 35(1):150-154. Jan./Feb. 1966. 448.3 M582
English summary.
Causing rye injuries.
- 7237 MOISEVICH, V. A. Importance of the develop-ment of plants in autumn on overwintering of winter grain crops. (Rus) Meteorol. Gidrol. 5:26-31. May 1966. 345 M56
- 7238 MOLDAU, KH. Spectral goniometer for de-termining the index of refraction at passage of light in plant leaves. (Rus) Issled. po Fiz. Atmosfery 6:92-98. 1964. Not in Libr.
Photosynthesis in corn.
Abstracted in Ref. Zh. Biol. 23(sect.G):4. Dec. 1965. 241.7 R25
- 7239 MOSOLOV, I. V., and CHERNOVA, E. S. Effect of nutrition on metabolism and yields of corn. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 1:84-91. Jan./Feb. 1966. 511 Sa2B
English summary.
Effect of minerals.
- 7240 MOSSE, J. Investigations of the zein protein of corn: fractionation and study of rheological and physical-chemical properties, chemical composition and structure and problems of hydra-tion and gelification of fundamental importance to the technology and industrial utilization of corn proteins; final technical report. Paris, Institut National de la Recherche Agronomique, 1966? 35 p. Ref. SB191.M2M6
Utilizing chromatography and electrophoresis.
- 7241 MUHLETHALER, R. CCC increases rigidity in wheat; experiences in Switzerland. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzen-schutz. Sonderheft 3:375-380. 1965. 464.8 Z33
English summary.
Resistance to lodging.
- 7242 MULLER, A. Die Ahrenentwicklung ver-schiedener Sorten der Sommergerste und ihre Beeinflussung durch Saatzeit und Standort [Spike development of various varieties of summer barley; influencing by planting time and space]. Hohenheim. Landwirt. Hochsch. Diss. 12, 132 p. 1964. 105.8 H686D
Bibliography, p. 107-112.
- 7243 NAGY, A. Derivative spectra of normal and mutant maize leaves. Acta Agron. [Budapest] 15(1/2):225-229. Ref. 1966. 19 Ac8
Chlorophyll and pigment studies.
- 7244 NAKAYAMA, H., and EGUCHI, K. An amylase activity in rice culm nodes. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):13-16. Aug. 1966. 22.5 C38
English summary.
- 7245 NAQVI, S. M., and GORDON, S. A. Auxin trans-port in Zea mays L. Coleoptiles. I. Influence of gravity on the transport of indoleacetic acid-2-¹⁴C. Plant Physiol. 41(7):1113-1118. Ref. Sept. 1966. 450 P692
- 7246 NORRIS, W. E., and BROTZMAN, B. The ef-fect of malformin on elongation and geotropi-cally induced curvature of Avena coleoptiles. Advancing Frontiers Plant Sci. 15:121-127. 1966. 452.4 V81
- 7247 NOVIKOV, V. A., KAZANSKAYA, L. N., and PODVALKOVA, I. A. Phosphorus uptake and phosphorus nutrition of spring wheat. (Rus) Agrokimiya 4:61-66. Ref. June 1965. 385 Ag89
- 7248 OLERED, R., and HUMMEL-GUMAELIUS, T. Investigations of the falling number in rye and wheat during ripening. (Sw) Sveriges Utsades-foren. Tidskr. 76(2/3):177-193. 1966. 61.9 Sv23
English summary.
- 7249 OVERLAND, L. The role of allelopathic sub-stances in the "smother crop" barley. Amer. J. Bot. 53(5):423-432. Ref. May/June 1966. 450 Am36
Inhibitory effect on other plants.
- 7250 OVSYANNIKOVA, M. N. Translocation of strep-tomycin in higher plants. (Rus) Mikrobiologiya 34(1):121-127. Ref. Jan./Feb. 1965. 448.3 M582
English summary.
Wheat.
- 7251 OZBEC, N., and AKSOY, T. A study of the effect of various phosphate levels on the uptake of zinc by corn using P-32 and Zn-65 as trac-ers. Ankara Univ. Fac. Agr. Yearbook 1964: 131-153. Ref. p. 149-153. 1965. 25 An42
- 7252 PALFI, G., VAMOS, R., and BARKOCZY, M. Data on the translocating amino acids of rice, wheat and maize. Advancing Frontiers Plant Sci. 15:149-155. Ref. 1966. 452.4 V81
- 7253 PEARSON, G. A., AYERS, A. D., and EBER-HARD, D. L. Relative salt tolerance of rice during germination and early seedling develop-ment. Soil Sci. 102(3):151-156. Ref. Sept. 1966. 56.8 S03
- 7254 POLIHAMER, ZS. Change of the hull contents of wheat according to variety and environment. Acta Agron. [Budapest] 15(1/2):127-139. Ref. 1966. 19 Ac8
- 7255 POMERANZ, Y. The role of the lipid fraction in growth of cereals, and in their storage and processing. Wallerstein Lab. Commun. 29 (98/99):17-27. Ref. Apr./Aug. 1966. 390.9 W15

- 7256 POPOVA, G. M., and KOCHERGINA, N. A. Effect of growth conditions on development of the above-ground part and the root system of spring wheat. (Rus) *Lenigr. Sel'skokhoz. Inst. Zap.* 90(6):38-42. 1964. 106 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:15. Aug. 1965. Film S-202
- 7257 RADLEY, M. E. A second gibberellin-like substance in immature barley seed. *Nature [London]* 210(5039):969. May 28, 1966. 472 N21
- 7258 RHODES, M. J. C., and YEMM, E. W. The development of chloroplasts and photosynthetic activities in young barley leaves. *New Phytol.* 65(3):331-342. Ref. July 1966. 450 N42
- 7259 RIEHLE, G. Einige Untersuchungen über den Einfluss der essentiellen Schwermetalle Eisen, Molybden und Kupfer auf die Ertragsbildung und den Proteinstoffwechsel von Hafer (*Avena sativa* L.) unter Berücksichtigung der Entwicklung auf Hochmoorböden [Research on the influence of the essential heavy metals iron, molybdenum, and copper on the yield and protein metabolism of oats (*Avena sativa* L.) with reference to development on high moor soils]. *Giessen, Justus-Liebig-Universität, Landwirt. Fak. [Diss.]* 13, 104 p. Ref., p. 93-101. July 1964. 105.8 G36
- 7260 RIGO, K. Activity of the phosphatase enzyme in in-bred maize lines and in plants from single crosses. *Acta Agron. [Budapest]* 15(1/2):245-246. 1966. 19 A88
- 7261 SALCHEVA, G., and GRAMATIKOVA, KH. Concerning certain changes in the free sugars and the nitrogen metabolism in the course of winter wheat hardening and freezing. (Bu) *Rastenievudni Nauk.* 2(3):25-36. Ref. 1965. 64.8 R18
English summary.
- 7262 SAMORTSEVA, D. A. Effect of separated nutritional mineral elements on growth, development and yields of corn. (Rus) In *Issled. Pochv., Rastit. i Faunit. Resursov Yakutii* 1964:159-146. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:17. Aug. 1965. Film S-202
- 7263 SAMOTO, K., and others. Studies on the growth of rice plants cultivated in different seasons. V. Dependence on fertilizer of the rice plants cultivated in different seasons. (Ja) *Crop Sci. Soc. Japan. Proc.* 35(1/2):54-58. Aug. 1966. 22.5 C88
K. Sugimoto, I. Yamakawa, K. Suzuki and M. Uda, joint authors.
English summary.
Includes yields.
- 7264 SATO, S. Macro- and micro-climates in rice culture and artificial control of microclimates of paddy fields in the warm region of Japan. 156 p. Transl. 15943
Translation from *Kyushu Agricultural Experiment Station. Bulletin* 6:259-350. 1960.
- 7265 SAULESCU, N., POPA, T., and NEGOCESCU, M. The effect of 2-chloroethyl trimethylammonium chloride on winter wheat. (Rum) *Probl. Agr. [Bucharest]* 18(6):60-67. Ref. June 1966. 21 R862
- 7266 SAVINA, S. S. Determination of leaf area of grain crops according to data of agrometeorological stations. (Rus) *Meteorol. Girol.* 5:50-51. May 1966. 345 M56
In relation to developmental phases.
- 7267 SERVEEV, L. I. Physiological properties of premature corn seeds and their usage for planting. (Rus) In *Biol. obovnykh povysh. kachestva semyan s.-kh. rast.* 1964:79-82. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:20. Aug. 1965. Film S-202
- 7268 SHIMIZU, T., and UENO, Y. Studies on yield-forecast in main crops. 14. Trend of the productivity of rice and its regional classification in the Chugoku district. (Ja) *Crop Sci. Soc. Japan Proc.* 35(1/2):29-32, map. Aug. 1966. 22.5 C88
English summary.
Effects of diseases and weather.
- 7269 SIMINEL, V. D. Some biological conformities of development and morphological formation of hybrid populations obtained by crossing of winter wheat with spring type under conditions of the Mongolia. (Rus) *Nauchn. Konferentsii Professirov i Prepodavat. Kishinevsk. S.-Kh. In-ta.* 1963:71-74. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:7. Aug. 1965. Film S-202
- 7270 SINGH, H. Effect of different dilutions and number of sewage irrigations on nutrient content of wheat grain. *Indian J. Agron.* 10(4):399-403. Ref. Dec. 1965. 22 In235
- 7271 SPENNEMANN, F. The influence of various climatic factors on the protein content and size grading of two-rowed spring barley. (Ge) *Z. Acker- Pflanzenbau* 124(2):120-133. Ref. July 1966. 18 J825
English summary.
- 7272 STAFFORD, H. A. Regulatory mechanisms in anthocyanin biosynthesis in first internodes of *Sorghum vulgare*: effect of presumed inhibitors of protein synthesis. *Plant Physiol.* 41(6):953-961. Ref. June 1966. 450 P692
Effects of light.
- 7273 STANKOVA, J. Biology of flowering of spring barley. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 1(2):1-10. Ref. Apr. 1965. QH431.A1S25
English summary.
Includes pollination and fruit set.
- 7274 STOPES, A. The antifungal factors in barley— isolation and synthesis of hordeatin A. *Tetrahedron Lett.* 25:2849-2851. June 1966. 385 T29
- 7275 STURM, H. Fundamental principles relative to the use of CCC. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft* 3:357-367. Ref. 1965. 464.8 Z33
English summary.
Effects on wheat.
- 7276 SUKACH, K. I. Effect of presowing seed radiation on phosphorus nutrition of corn. (Rus) *Kishinevskii Sel'skokhoz. Inst. im. M. V. Frunze. Trudy* 37(1):24-29. 1966. 106 K64
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:21. Aug. 1965. Film S-202
- 7277 SUKACH, K. I. Stimulation of corn growth in Moldavia by presowing treatment of seeds with X-rays and gamma rays. (Rus) *Kishinevskii Sel'skokhoz. Inst. im. M. V. Frunze. Trudy* 37(1):54-61. 1964. 106 K64
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:18. Aug. 1965. Film S-202
- 7278 SUNG, M. S., and others. Site of oxygen absorption for downward transport in seedlings of rice and other plants. (Ch) *Acta Bot. Sinica* 13(4):375-382. Dec. 1965. 450 C432
K. C. Pal, Y. Y. Ts'ui, and C. H. Lou, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 45:22-23. Feb. 24, 1966. (JPRS 34, 284; TT 66-30725) 241.7 Un34C
Issued by CFSTI.
- 7279 SUZUKI, H., KAWARAZAKI, Y., and MURA-YAMA, N. Effects of temperature and shading during the maturing period of rice plant on the properties of rice grains and rice starches. (Ja) *Ag. Chem. Soc. Jap. J.* 40(1):1-7. Ref. 1966. 385 A68
English summary.
- 7280 TING, I. P., SHERMAN, I. W., and DUGGER, W. M. Intracellular location and possible function of malic dehydrogenase isozymes from young maize root tissue. *Plant Physiol.* 41(6):1083-1084. Ref. June 1966. 450 P692
- 7281 TREHARNE, K. J., MERCER, E. L., and GOODWIN, T. W. Carotenoid biosynthesis in some maize mutants. *Phytochemistry* 5(4):581-587. Ref. July 1966. 450 P622
- 7282 TRUELOVE, B., and HANSON, J. B. Calcium-activated phosphate uptake in contracting corn mitochondria. *Plant Physiol.* 41(6):1064-1013. Ref. June 1966. 450 P692

- 7283 TSENOV, A. Frost resistance of the Bezostaya 1 Soviet winter wheat variety under the conditions of northeastern Bulgaria. (Bu) Rastenievudni Nauk. 2(6):13-22. Ref. 1965. 64.8 R18 English summary.
- 7284 UEKI, K. The influence of temperature of irrigation water upon the growth of paddy rice in the warmer district. VI. Effects of day and night water-temperatures on the vegetative growth—in relation to air temperature change accompanied with shifting of cultivation period. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):8-12. Aug. 1966. 22.5 C88 English summary.
- 7285 ULANOVA, E. S. Effects of May precipitation on yields of winter wheat growing in steppe regions of Ukraine and northern Caucasus. (Rus) Meteorol. Gidrol. 5:17-25. May 1966. 34.5 M56
- 7286 VASETSKAYA, M. N. Effect of prolonged day light on growth and development of corn under condition of Kirghizia. (Rus) Kirg. Nauch.-Issled. Inst. Zeml. Byulleten 8:128-135. 1964. 20 F94B
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 13:17. July 1965. Film S-202
- 7287 VLASYUK, P. A., and LEVCHENKO, L. A. The uptake of phosphorus from different forms of phosphorus fertilizers and its introduction into metabolism. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:54-59. Ref. July 1966. 20 V633 English summary.
- 7288 VOLKOVICH, K. V. Growth and development of different selfpollinated corn forms. (Rus) Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk 1:58-64. 1965. 44.2.8 AL6
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:10. Aug. 1965. Film S-202
- 7289 WEIPERT, D. Einfluss der Stickstoffdüngung auf Entwicklung, Ertragsbildung und Backeigenschaften einiger Winter- und Sommerweizensorten [Influence of nitrogen fertilizing on development, yield development, and baking properties of some winter and summer wheat varieties]. Giessen, Justus-Liebig-Universität, Landwirt. Fak. [Diss.] 15,201 p. 1964. 105.8 G36
- 7290 WU, S. H., and others. On the fertilization of *Oryza sativa* L. x *Sorghum vulgare* Pers. (Ch) Acta Bot. Sinica 13(4):297-313. Dec. 1965. 450 C432
C. C. Wang, C. S. Sun, and C. K. Ts'ai, joint authors.
Pollen germination.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 45:17-18. Feb. 24, 1966. (JPRS 34, 284, TT 66-30725) 241.7 Un34C
Issued by CFSTI.
- 7291 YEN, W. M. Causes of sterility in beardless oat. (Ch) Tso Wu Hsueh Pao 4(4):404-408. Nov. 1965. 64.8 T78
Physiological cause.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:70-71. Mar. 2, 1966. (JPRS 34, 362; TT 66-30802) 241.7 Un34C
- 7292 ZENISHEVA, L. S. Studies of the grain resistance to lodging in the Czechoslovakia. Causes of lodging of spring barley. (Rus) Za Sots. S.-Kh. Nauku 13(3):211-230. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:19. Aug. 1965. Film S-202
- Physiology and Biochemistry - Fiber Crops
- 7293 ADAMS, F. Calcium deficiency as a causal agent of ammonium phosphate injury to cotton seedlings. Soil Sci. Soc. Amer. Proc. 30(4):485-488. July/Aug. 1966. 56.9 S03
- 7294 ANDRIANOVA, L. V. Agrometeorological indices of growth of fiber flax. (Rus) Meteorol. Gidrol. 11:51-54. Nov. 1965. 34.5 M56
- 7295 ANDRIANOVA, L. V. Evaluation of agrometeorological conditions of yield formation of fiber-flax. (Rus) Meteorol. Gidrol. 5:39-42. May 1966. 34.5 M56
- 7296 ANDRJUSHENKO, V. K. Uptake and distribution of manganese and molybdenum in cotton in the initial growth stages as induced by application of various forms of nitrogen fertilizers. (Rus) Agrokimiya 7:103-107. Ref. July 1965. 38.5 Ag89
- 7297 BOURGET, S. J., FINN, B. J., and DOW, B. K. Effects of different soil moisture tensions on flax and cereals. Can. J. Soil Sci. 46(3):213-216. Oct. 1966. 56.8 C162
- 7298 LAHOLA, J. The influence of the manuring on the dynamics of nutrition in flax. (Cz) Len Konopi 5:173-182. 1965. 73.8 L543 English summary.
- 7299 MANSUROVA, A. F., and BORODULINA, A. A. Physiological and biochemical peculiarities of cotton seeds in storage. (Rus) In Biol. osnovy povysh. kachestva semyan s.-kh. rast. 1964: 254-259. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:32. Aug. 1965. Film S-202
- 7300 MAUNEY, J. R. Floral initiation of upland cotton *Gossypium hirsutum* L. in response to temperatures. J. Exp. Bot. 17(52):452-459. Aug. 1966. 450 J8224
- 7301 MAVLIYANOV, A. A. Effect of soil temperature in the stage of initial growth of cotton on its growth and nutrition. (Rus) Tashkent. Nauch.-Issled. Inst. Khlopkov. Sb. Nauch. Rabot. Aspirantov SyuzNIKI 4:37-43. 1964. 72.9 T182Sb
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:33. Aug. 1965. Film S-202
- 7302 MINKOV, S. Experiment for determining the effect of cotton growing from seedlings under irrigation. (Bu) Rastenievudni Nauk. 2(2):109-118. 1965. 64.8 R18 English summary.
- 7303 MIRAKHIMOVA, M. Effect of correlation and concentration of nutritional substances in the stage of initial growth of cotton on its development and maturing. (Rus) Tashkent. Nauch.-Issled. Inst. Khlopkov. Sb. Nauch. Rabot. Aspirantov SyuzNIKI 4:48-52. 1964. 72.9 T182Sb NPK
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:33. Aug. 1965. Film S-202
- 7304 NASBOV, T. G. Some peculiarities of physiological and biochemical reaction of the cotton seeds to low temperature in the beginning stage of their development. (Rus) Akad. Nauk Uzbeki SSR. Dok. 9:47-49. 1964. 511 Uz1
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:31-32. Aug. 1965. Film S-202
- 7305 NEWMAN, E. I. Relationship between root growth of flax (*Linum usitatissimum*) and soil water potential. New Phytol. 65(3):273-283. Ref. July 1966. 450 N42
- 7306 PATTERSON, W. J., and others. The male sterile response in cotton. The effect of sodium 2,3-dichloro-2-methylpropionate (FW-450) on the incorporation of amino acids in floral tissue. Phytol. [Vente Lopez] 23(1):43-48. Ref. May 1966. 450 P67
R. A. Scott, H. R. Carns, and P. A. Hedin, joint authors.
- 7307 ROJAS GARCIDUENAS, M., and TEJADA, L. O. Effect of 2,4-dichlorophenoxyacetic acid applied at low concentrations on growing cotton plants (*Gossypium vulgare*). (Sp) Ciencia 24(5/6):253-258. Jan. 1966. 47.5 C48 English summary.
- 7308 SARVELLA, P. Environmental influences on sterility in cytoplasmic male-sterile cottons. Crop Sci. 6(4):361-364. Ref. July/Aug. 1966. 64.8 C883
- 7309 SAUNDERS, P. F., JENNER, C. F., and BLACKMAN, G. E. The uptake of growth substances. VI. A comparative study of the factors determining the patterns of uptake of phenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid, weak and strong auxins, by *Gossypium* tissues. J. Expt. Bot. 17(51):241-269. Ref. May 1966. 450 J8224
- 7310 ZHAILIBAEV, K. N. Seasonal rhythm of cotton and soybean photosynthesis of mixed and unmixed crops. (Rus) Vestnik Sel'skokhoz. Nauk. [Alma-Ata] 9:33-39. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:15. Aug. 1965. Film S-202

Physiology and Biochemistry - Forage

- 7311 ANSLOW, R. C. The rate of appearance of leaves on tillers of the Gramineae. *Herbage Abs.* 36(3):149-155. Ref. Sept.1966. 241 Im733 Literature review.
- 7312 BARNETT, N. M., and NAYLOR, A. W. Amino acid and protein metabolism in bermuda grass during water stress. *Plant Physiol.* 41(7):1222-1230. Ref. Sept.1966. 450 P692 Biochemical study.
- 7313 CERNY, J., NASINEC, J., and VOTAVA, V. Evaluation of the early varieties of corn grown for silage. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(3):47-54. Aug.1965. QH431.A1S25 English summary. Includes tests of resistance to cold and hybrids.
- 7314 CHOPRA, S. L., and KANWAR, J. S. Effect of sulphur fertilization on the chemical composition and nutrient uptake by legumes. *Indian Soc. Soil Sci. J.* 14(1):69-76. Ref. Mar.1966. 56.9 In2
- 7315 COKER, E. G. The value of liquid digested sewage sludge. I-III. *J. Agr. Sci. [London]* 67(1):91-107. Ref. Aug.1966. 10 J822 I, The effect of liquid sewage sludge on growth and composition of grass-clover swards in south-east England; II, Experiments on ryegrass in south-east England, comparing sludge with fertilizers supplying equivalent nitrogen, phosphorus, potassium and water; III, The results of an experiment on barley.
- 7316 COOPER, J. P., and MCWILLIAM, J. R. Climatic variation in forage grasses. II. Germination, flowering and leaf development in Mediterranean populations of *Phalaris tuberosa*. *J. Appl. Ecol.* 3(1):191-212, map. Ref. May 1966. 410 J828
- 7317 DAVISON, A., and JEFFERIES, B. J. Some experiments on the nutrition of plants growing on coal mine waste heaps. *Nature [London]* 210(5036):649-650. Ref. May 7, 1966. 472 N21 *Deschampsia flexuosa*, *Plantago lanceolata*, and *Agrostis tenuis*.
- 7318 FARRAHI-ASCHTIANI, K. Komplexe Saatzeit-, Schnittzeit- Stickstoffdüngungsversuche zum Studium der Entwicklung und Futterleistung von *Sorghum saccharatum* [Complex planting time, harvesting time, nitrogen fertilizer investigations for study of the development and forage production of *Sorghum saccharatum*]. Giessen. Justus-Liebig-Universität. Landwirt. Fak. [Diss.] 6, 147 p. Ref. p.130-134. 1964. 105.8 G36
- 7319 GRIFFITH, G. AP., and WALTERS, R. J. K. The sodium and potassium content of some grass genera, species and varieties. *J. Agr. Sci. [London]* 67(1):81-89. Ref. Aug.1966. 10 J822
- 7320 HEINISCH, O., and ENDERLEIN, G. The distribution of substances in the fodder beet and the comparison between bore and sector samples. (Ge) *Z. Pflanzenzucht.* 54(1):70-91. Ref. Oct.1965. 450 Z36 English summary.
- 7321 HUNT, L. A., and BROUGHAM, R. W. Some aspects of growth in an undefoliated stand of Italian ryegrass. *J. Appl. Ecol.* 3(1):21-28. Ref. May 1966. 410 J828
- 7322 KALADZHIEVA, S. Concerning spring vetch and pea zonation. (Bu) *Rastenievudni Nauk.* 2(4):129-138. 1965. 64.8 R18 English summary. Effect of climatic conditions on growth.
- 7323 KAMALYAN, G. V., and DAVTYAN, L. V. Effect of biogenic amino alcohols on growth and yields of forage corn. (Russ) ArmSSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov. Izv. 3/4:65-69. 1964. Not in Libr. Triethanolamine used for seed treatment. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievud.* 16:20. Aug.1965. Film S-202
- 7324 KEZELI, T. A., and TARASASHVILI, K. M. Changes in content of vitamins in pasture grasses in connection with vertical zoning. (Russ) Vses. Bot. Obshch. Probl. Bot. 7:176-182. 1965. 451.1 V962 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievud.* 15:41. Aug.1965. Film S-202
- 7325 KOSTIN, V. I. Critical point of moisture in lupine seeds. (Russ) Vestn. Tekhn. i Ekon. Inform. Nauchno-Tekhn. Sb. po Vopr. Khraneniya i Pererabotky Zerna 10/67:7-9. 1964. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievud.* 16:28. Aug.1965. Film S-202
- 7326 MADRAIMOVA, A. Effect of petroleum growth substances on corn grown for forage under conditions of the Kara-Kalpak ASSR. (Russ) Taktent. Nauch.-Issled. Inst. Khlopkov. Sb. Nauch. Rabot. Aspirantov SyuzNIKHI 4:44-47. 1964. 72.9 T182Sb Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievud.* 16:27. Aug.1965. Film S-202
- 7327 MANSAT, P., and PFTZENMEYER, C. Production and removal of nutrients by two grasses under different systems of management. (Fr) *Fourrages* 25:32-77. Ref. Mar. 1966. 60.8 F82 English summary, p.94. *Dactylis* and *Lolium multiflorum*.
- 7328 MERIAUX, S., LEFEBVRE, J. M., and LIBOIS, A. Some data on the nitrogen nutrition of timothy in east central France. (Fr) *Fourrages* 25:17-31. Mar.1966. 60.8 F82 English summary, p.92.
- 7329 NADWYCAZAWSKI, W., and WIERBICKI, Z. The problem of significance of the intervals of time and the length of day and night in calculations of real temperature sums. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 12: 55-66. 1964, pub. 1965. 49.9 B75 English summary. In forage plants growth.
- 7330 NASINEC, J., JUZA, J., and CERNY, J. Study of the content of tannin in *Sorghum vulgare* Pers. for breeding purposes. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):65-74. Jan.1966. QH431.A1S25 English summary.
- 7331 NIGHTINGALE, H. I., and SMITH, R. L. A culturing unit to evaluate sodic influence on calcium nutrition on alfalfa. *Soil Sci. Soc. Amer. Proc.* 30(4):470-472. Ref. July/Aug. 1966. 56.9 S03
- 7332 O'BRIEN, T. A., MOORBY, J., and WHITTINGTON, W. J. The use of phosphorus³² in an analysis of competition between rye grass, meadow fescue and their natural hybrid. Nottingham. Univ. Sch. Agr. Rep. 1965:62-65. 1966. 103 N64Hc
- 7333 OCHI, M. Study of regeneration of Ladino clover. I. Regeneration of Ladino clover according to fertilizer application amounts and cutting seasons. (Ja) *Crop Sci. Soc. Japan Proc.* 35(1/2):71-77. Ref. Aug.1966. 22.5 C88 English summary.
- 7334 OPREDELENNOVA, T. I. Respond of different varieties of white lupine to vernalization. (Russ) In Rol' udobrenii i drugih faktorov v povyshenii produktivn. rast. 1964:126-129. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievud.* 16:27. Aug.1965. Film S-202
- 7335 PRZYBYLSKA, J. Nitrogen forms in different species and varieties of leguminous plants and their inheritance. Final report covering research period March 1, 1961 - February 28, 1966. Poznan, Pol. Acad. Sci., Inst. Plant Genet., 1966. 146 p. SB203.P7 Bibliography, p.133-137. Chiefly crude protein and amino acid content, and nutritive value as feed.
- 7336 RICHTER, W. On the effect of growth inhibiting agents, especially MH 30, on grasses. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft* 3:347-350. 1965. 464.8 Z33 English summary.
- 7337 ROBINSON, D. The beta-glucosidase and beta-galactosidase components of *Medicago sativa* L. *Phytochemistry* 5(4):699-705. Ref. July 1966. 450 P5622
- 7338 ROUTLEY, D. G. Proline accumulation in wilted ladino clover leaves. *Crop Sci.* 6(4): 358-361. Ref. July/Aug.1966. 64.8 C883

- 7339 SAITO, S. C. S., and YOSIOKA, K. Studies on the relation between the tolerance of crops to soil acidity and that to low pH. 13. Studies on the cause for the extinction of forage crops sown in untilled grassland. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2):17-23. Ref. Aug. 1966. 22.5 C88
English summary.
- 7310 SAYERS, E. R., and MURPHY, R. P. Seed set in alfalfa as related to pollen tube growth, fertilization frequency, and post-fertilization ovule abortion. Crop Sci. 6(4):365-368. Ref. July/Aug. 1966. 64.8 C883
- 7341 SHUTOV, A. D., and VAINTRAUB, I. A. Chromatographic isolation and some properties of legumin and vicilin of vetch. (Rus) Biokhimiya 31(4):726-735. Ref. July/Aug. 1966. 385 B523
English summary.
- 7342 SMIRNOV, M. N. Effect of minor elements on yields of broadbean seeds. (Rus) Novosib. S.-Kh. In-t. Tr. 25(3):64-68. 1964. Not in Libr.
Treatment of seeds.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:27. Aug. 1965. Film S-202
- 7343 SPEXARD, P. Das Gewicht und das Verhalten zwischen den grünen und abgestorbenen Pflanzenteilen bei *Poa pratensis*, *Lolium perenne* und *Festuca rubra* in Abhängigkeit von der Weidenutzung [Weight and ratio between the green and dead plant parts in *Poa pratensis*, *Lolium perenne* and *Festuca rubra* in relation to pasture utilization]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 4,92 p. 1965. 105.8 B644
- 7344 STUTHMAN, D. D., and others. Comestrol differences in *Medicago sativa* L. free of foliar disease symptoms. Crop Sci. 6(4):333-334. Ref. July/Aug. 1966. 64.8 C883
E. M. Bickoff, R. L. Davis, and M. Stob, joint authors.
- 7345 TEAL, J. M., and KANWISHER, J. W. Gas transport in the marsh grass, *Spartina alterniflora*. J. Expt. Bot. 17(51):355-361. Ref. May 1966. 450 J8224
Oxygen and carbon dioxide.
- 7346 TROFIKOVA, M. G. Effect of gibberellin on the seed yield of clover. (Rus) Agrokimiya 12:84-90. Ref. Dec. 1965. 385 Ag89
- 7347 URASINSKA, A. An attempt to determine the influence of the vegetation period and the method of drying of some plants [red clover and perennial ryegrass], on the amino-acid composition of their protein. (Pol) Krakow, Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 7:59-69. Ref. 1965. 49.9 K852
English summary.
- 7348 VOVK, O. G. Periods and rhythms of florescence of Ukrainian bentgrass (genus *Agrostis* L.) (Ukr) Ukr. Bot. Zh. 23(4):30-36. Ref. 1966. 450 J8212J
English summary.
- 7349 WEBER, D. F., and LEGGETT, G. E. Relation of rhizobia to alfalfa sickness in eastern Washington. U. S. Agr. Res. Serv. ARS-41-117, 16 p. Feb. 1966. A56.9 R31
Washington Agricultural Experiment Station, cooperating.
Experiments on control with increased nitrogen fertilization or inoculation with *Rhizobium meliloti*.
- 7350 WOOLHOUSE, H. W. The effect of bicarbonate on the uptake of iron in four related grasses. New Phytol. 65(3):372-375. Ref. July 1966. 450 N42
- Physiology and Biochemistry - Oil Crops
- 7351 ARSLAN-CERIM, N. The redistribution of radioactivity in geotopically stimulated hypocotyls of *Helianthus annuus* pretreated with radioactive calcium. J. Expt. Bot. 17(51):236-240. Ref. May 1966. 450 J8224
- 7352 BLAYDES, D. F. Interaction of kinetin and various inhibitors in the growth of soybean tissue. Physiol. Plant. 19(3):748-753. Ref. 1966. 450 P564
- 7353 BOWLING, D. J. F., MACKLON, A. E. S., and SPANSWICK, R. M. Active and passive transport of the major nutrient ions across the root of *Ricinus communis*. J. Expt. Bot. 17(51):410-416. Ref. May 1966. 450 J8224
Minerals.
- 7354 CARPENTER, W. J. G., and CHERRY, J. H. Effects of protein inhibitors and auxin on nucleic acid metabolism in peanut cotyledons. Plant Physiol. 41(6):919-922. Ref. June 1966. 450 P692
Two, 4-D, chloramphenicol, and puromycin.
- 7355 COCCUCCI, S., and others. Changes in total and ribosomal nucleic acids in the endosperm of germinating castorbean seeds. (It) Accad. Naz. Lincei. Cl. Sci. Fis. Mat. Natur. Atti. Rendic. (ser. 8) 162(4):545-552. Ref. Apr. 1965. 507 R66
R. Maggio, A. Monroy, and E. Marre, joint authors.
English summary.
- 7356 FRIEND, D. J. C., and HELSON, V. A. *Brassica campestris* L.: floral induction by one long day. Science 153(3740):1115-1116. Sept. 2, 1966. 470 Sc12
- 7357 HAREL, S., and REINHOLD, L. The effect of 2,4-dinitrophenol on translocation in the phloem. Physiol. Plant. 19(3):634-643. Ref. 1966. 450 P564
Sucrose-14C transport in soybeans.
- 7359 ILISULU, K. Effect of climatic conditions and planting dates on some growth characteristics of soybeans. Ankara Univ. Fac. Agr. Yearbook 1964:71-83. Ref. 1965. 25 An42
- 7359 KOSHIYAMA, I. Carbohydrate component in 7S protein of soybean casein fraction. Agr. Biol. Chem. 30(7):646-650. July 1966. 385 Ag8B
- 7360 KOVACKI, A. The effect of the quality of light upon the growth and development of sunflower (*Helianthus annuus* L.). (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet Slechteni 1(3):17-30. Ref. Aug. 1965. QH431.A1S25
English summary.
- 7361 LIN, C. Y., KEY, J. L., and BRACKER, C. E. Association of D-RNA with polyribosomes in the soybean root. Plant Physiol. 41(6):976-982. Ref. June 1966. 450 P692
- 7362 MALYSHEVA, A. G. Changes of biochemical properties and germination of oil plant seeds in storage. (Rus) In Biol. osnovy poyskh. kachestva semyan s.-kh. rast. 1964:256-265. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:34. Aug. 1965. Film S-202
- 7363 MCILRATH, W. J., and SKOK, J. Substitution of germanium for boron in plant growth. Plant Physiol. 41(7):1209-1212. Sept. 1966. 450 P692
Sunflowers in nutrient solution.
- 7364 OLIVER, S., and BARBER, S. A. Mechanisms for the movement of Mn, Fe, B, Cu, Zn, Al and Sr from one soil to the surface of soybean roots (Glycine max). Soil Sci. Soc. Amer. Proc. 30(4):468-470. July/Aug. 1966. 56.9 So3
- 7365 PETERSSON, S. Artificially induced water and sulfate transport through sunflower roots. Physiol. Plant. 19(3):581-601. Ref. 1966. 450 P564
Radioactive sulfate utilized in soilless culture.
- 7366 SEN, S., and ADHIKARI, B. K. D. A study on the effects of pre-sowing seed treatment of soybean (Glycine max) with maleic hydrazide. Acta Agron. [Budapest] 15(1/2):13-29. 1966. 19 Ac8
- 7367 SHIBASAKI, K., and OKUBO, K. Starch gel electrophoresis of soybean proteins in high concentration of urea. Tohoku J. Agr. Res. 16(4):317-329. Ref. Mar. 1966. 22.5 T574
- 7368 TING, C. L. Effect of climatic conditions on the chemical properties of soybean. (Ch) Tso Wu Hsueh Pao 4(4):313-320. Nov. 1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communism Chin. Sci. Abstr. Bio-Med. Sci. 47:60. Mar. 2, 1966.
(JPRS 34,362; TT 66-30802) 241.7 Un34C

- 7369 WALLER, G. R., and RYHAGE, R. Mass spectrometry of biosynthetically labeled ricinine. *Anal. Biochem.* 16(2):277-286. Ref. Aug. 1966. 381 An13
From castorbeans.
- 7370 ZYCZYNSKA, I. Chemical components of Polish industrial plants. I. Sterols from seeds of bigseed fellefax (*Camelina sativa* L.). (Pol) *Rocz. Chem.* 40(7/8):1225-1230. Ref. 1966. 385 R59
English summary.
- Physiology and Biochemistry - Sugar Crops
- 7371 BASIBEKOV, B. S. Effect of nutrition and water absorption on yields and content of sugars in sugar beets. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Alma-Ata] 11:18-26. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:36. Aug. 1965. Film S-202
- 7372 ENKKEEV, S. G. Effect of potassium on quality of sugar beets grown in Kirghizia. (Rus) In *Rol' mineral'n. elementov v obmene veshchiv i produktivn. rast.* 1964:152-154. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:37. Aug. 1965. Film S-202
- 7373 FOGLIATA, F. A., and ASO, P. J. The mineral element content in leaves of sugarcane under saline conditions. (Sp) *Tucuman. Estac. Exp. Agr. Rev. Ind. Agr.* Tucuman 43(2/3):95-107. Ref. May/Dec. 1965. 9 T79
English summary.
- 7374 FOMIN, P. I. Effect of fertilizer application in furrows on initial growth of sugar beets, grown on soddy-podzolic soils. (Rus) *Khim. Sel'skom Khoz.* 4(4):8-12. Ref. Apr. 1966. 385 K524
- 7375 HUMPHRIES, E. C. Internal control of rate of leaf production in sugar beet. *Physiol. Plant.* 19(3):827-829. Ref. 1966. 450 P564
Effects of temperature.
- 7376 JOY, K. W., and ANTCLIFF, A. J. Translocation of amino-acids in sugar beet. *Nature* [London] 211(5045):210-211. July 9, 1966. 472 N21
- 7377 KASHTANOVA, Z. N. Peculiarities of sugar beet nutrition as induced by planting density. (Rus) *Vseros. N.-I. In-t Sakharn. Tsvelyi i Sakhara, Tr.* 11(1):46-57. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:36. Aug. 1965. Film S-202
- 7378 KNAPP, E., and VOIGT, H. Pigments in Beta beets: a review of the latest research. (Ge) *Z. Zuckerindus.* 16(3):131-134. Ref. Mar. 20, 1966. 65.8 D48
English summary.
- 7379 KUPERMAN, F. M., and others. Effect of the spectral composition of light on the development and growth of seed sugar beets. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:60-64. Ref. July 1966. 20 V633
S. S. Stanachev, B. M. Zelikson, and I. Ya. Maryakhina, joint authors.
English summary.
Effect of red and blue light.
- 7380 MAZEPIN, K. G. Effectiveness of the phosphobacterin applied to sugar beets. (Rus) *Vseros. N.-I. In-t Sakharn. Tsvelyi i Sakhara* 11(1):63-65. 1964. Not in Libr.
Treatment of seeds for better yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:37. Aug. 1965. Film S-202
- 7381 MIT'KO, L. P. Uptake of phosphorus from fertilizers by sugar beets grown on soddy-podzolic clayey soils. (Rus) *Belorussk. N.-I. In-t Pochvoved. Tr.* 3:63-70. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:37. Aug. 1965. Film S-202
- 7382 MOST, B. H., and VLITOS, A. J. Gibberellins of sugarcane. *Plant Physiol.* 41(7):1090-1094. Ref. Sept. 1966. 450 P692
- 7383 NOVITSKAYA, YU. E., PERMINOVA, L. A., and VOLKOVA, R. I. Effect of soil moisture and fertilizers on yields and some physiological indices of sugar beets. (Rus) *Akad. Nauk SSSR. Karel'skii Filial. Tr.* 37:87-97. 1964. 511 Ak194
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:30. Aug. 1965. Film S-202
- 7384 OGA, T. S. Loss of nitrogen, phosphorus, and potassium of sugar beets in the region of soddy-carbonate soils of Latvia. (Rus) *Agrokhiimiya* 6:27-35. June 1965. 385 Ag89
Includes effects of weather, yield, and dosage of fertilizer.
- 7385 SHUGAROV, YU. A. Optical properties of sugar beet leaves as related to its mineral nutrition. (Rus) *Agrokhiimiya* 6:141-145. Ref. June 1965. 385 Ag89
N. P. and K as nutritive substances.
- 7386 SRIVASTAVA, S. C., AGRAWAL, M. P., and JAFRI, S. M. H. Iron-manganese relationship of chlorotic sugarcane plants grown on a high-lime soil. *Soil Sci.* 102(3):208-211. Sept. 1966. 56.8 S03
- 7387 STARCHENKOV, S. P. Effect of thiamine and heteroxalins on sugar beets depending on nutrition with zinc. (Rus) In *Rol' udobrenii i drugikh faktorov v povyshenii produktivn. rast.* 1964:95-99. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:36. Aug. 1965. Film S-202
- 7388 SUMINA, S. YA. Increasing content of sugars in sugar beets by application of minor elements on soils in the river flood plains. (Rus) In *Sb. rabot po zemled. i pochvoved.* 1964:87-93. Not in Libr.
Treatment of seeds.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:37. Aug. 1965. Film S-202
- 7389 VUKHRER, E. G. Microorganisms as producers of substances stimulating growth of sugar beets. (Rus) *Vses. O-vo Pochvoved. Kirg. Fil. Izv.* 3:39-44. 1964. Not in Libr.
In soils.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:36. Aug. 1965. Film S-202
- 7390 ZEMANEK, J., MYDLILOVA, E., and BYLIN-SKA, M. The influence of pyrazon on the catalase activity in the leaves of the mustard plant (*Sinapis alba* L.) and sugar beets. (Ge) *Biol. Plant.* 8(2):122-126. 1966. 450 B52
- Physiology and Biochemistry - Tobacco
- 7391 BAILOV, D., and SECHENSKA, M. Changes in the content of green and yellow pigments in tobacco leaves during the period of maturity. (Bu) *Rastenievudni Nauk.* 2(3):15-23. 1965. 64.8 R18
German summary.
- 7392 BONAZZI, A. Studies on the physiology of tobacco. VII. Topography of soluble ashes. 6 p. *Transl.* 16102
Translation from Venezuela. Universidad Central. Facultad de Agronomia. Revista 1:219-222. 1954.
- 7393 CHAZE, J. On the mode of cytological formation and the detection of alkaloids in the tobacco seedling. 9 p. *Transl.* 16106
Translation from Bulletin d'Histologie 5:253-259. June 1928.
- 7394 FETVADZHIEV, V., and GALEV, I. Prevention of physiological diseases of tobacco by application of growth substances. (Bu) *Bulg. Tyutyun* 6:13-17. 1965. 69.8 B872
- 7395 GUPTA, U. S. Studies on the physiology of tobacco. X. Indian Acad. Sci. Proc. Sect. B, 62(1):36-45. Ref. July 1965. 513 In25B
Effects of gibberellic acid, indoleacetic acid and maleic hydrazide in light and shade.
- 7396 KASPERBAUER, M. J. Interaction of photoperiod and temperature on flowering of burley tobacco (*Nicotiana tabacum*). *Tobacco* [New York] 163(15):31-33. Oct. 7, 1966. 286.89 T552

- 7397 KHRISTOZOV, D. The effect of foliar nutrition on the yield and quality of tobacco. (Bu) Ras-tselevudni Nauk. 2(2):39-48. Ref. 1965. 64.8 R18
English summary.
- 7398 LEE, T. T. Effects of hydroxybenzoic acids on oxidation of reduced nicotinamide adenine dinucleotide by enzymes from tobacco leaves. *Physiol. Plant.* 19(3):660-671. Ref. 1966. 450 P564
- 7399 RYDING, W. W. Influence of potassium on boron uptake by flue-cured tobacco. Rhodesia Zambia Malawi J. Agr. Res. 4(1):51-52. Jan. 1966. 24 R3472
- 7400 SCHAEFFER, G. W., and SOROKIN, T. Growth inhibition of tobacco tissue cultures with 6-azauracil, 6-azauridine and maleic hydrazide. *Plant Physiol.* 41(6):971-975. Ref. June 1966. 450 P692
- 7401 SEQUEIRA, L., and MINEO, L. Partial purification and kinetics of indoleacetic acid oxidase from tobacco roots. *Plant Physiol.* 41(7):1200-1208. Ref. Sept. 1966. 450 P692
- 7402 TEWARI, K. K., and WILDMAN, S. G. Chloroplast DNA from tobacco leaves. *Science* 153 (3741):1269-1271. Ref. Sept. 9, 1966. 470 Sci2
- 7403 TREGUNNA, E. B., KROTKOV, G., and NELSON, C. D. Effect of oxygen on the rate of photorespiration in detached tobacco leaves. *Physiol. Plant.* 19(3):723-733. Ref. 1966. 450 P564
Relationship to photosynthesis.
- 7404 TSO, T. C. Source of lead-210 and polonium-210 in tobacco. *Science* 153(3738):880-882. Aug. 19, 1966. 470 Sci2
- 7405 WALKER, E. K. Effect of foliar sprays of Phygon XL-50 on green fixation in flue-cured tobacco. *Can. J. Plant Sci.* 46(3):326-328. May 1966. 450 C16
Weather fleck control.
- 7406 YANAKIEVA, E., and AMPOVA, G. Effect of meteorological conditions on some characteristics of main Bulgarian tobacco varieties. (Bu) Bulg. Tyutyun 8:24-28. 1965. 69.8 B872
Chiefly physiology.
- Physiology and Biochemistry of Horticultural Crops
- Physiology and Biochemistry - Fruit Crops
- 7407 ALTMAN, A., MONSELISE, S. P., and MENDEL, K. Respiration rate, catalase activity, peroxidase activity and growth of roots of citrus rootstocks. *J. Hort. Sci.* 41(3):215-224. Ref. July 1966. 80 J825
- 7409 ASSAF, R. Growth methods of some grape and fruit tree branches. (Fr) *J. Agr. Trop. Bot. Appl.* 13(4/5):147-182. Ref. Apr./May 1966. 26 J822
- 7409 BALLINGER, W. E. Seasonal trends in Wolf-cott blueberry (*Vaccinium corymbosum* L.) leaf and berry composition. *N. C. Agr. Exp. Sta. Tech. Bull.* 173, 24 p. Ref. June 1966. 100 N81
- 7410 BANIC, S. Virucide effects of currant juice. (Ge) *Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I. Orig.* 199(4):525-528. 1966. 448.3 C33
- 7411 CHEBAN, A. I. Effect of levels and ratio of nitrogen and phosphorus on growth, development, and yield of various early ripening table grape varieties. (Rus) *Agrokimiya* 12:22-28. Ref. Dec. 1965. 385 Ag89
- 7412 COOPER, R. E., SEFICK, H. J., and SIMS, E. T. The effects of three levels of nitrogen and potassium fertilizers on yield, pruning weights, petiole nutrient content, and juice quality of Concord grapes. *S. C. Agr. Exp. Sta. Res. Ser.* 75, 39 p. Ref. Dec. 1965. SB21.86
- 7413 COOPER, W. C., HILGEMAN, R. H., and RASMUSSEN, G. K. Diurnal and seasonal fluctuations of trunk growth of the Valencia orange as related to climate. *Citrus Indus.* 47(7):25-28, 30. July 1966. 80 C49
- 7414 DEIBNER, L., and MOURGUES, J. Physiological potential of grape in situ and in air shelter; the potential of green and red autumn leaves. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(26):2730-2732. June 27, 1966. 505 P21
Electrometric study.
- 7415 DEIBNER, L. The presence of cyanophoric substances in certain organs of grape. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(1):55-56. July 4, 1966. 505 P21
Hydrocyanic acid.
- 7416 DEIBNER, L., and MOURGUES, J. Study of the physiological potential of grapes in situ and in air shelter; evolution of potential of red grape berries during maturation. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(25):2597-2600. June 20, 1966. 505 P21
- 7417 EMBLETON, T. W., and JONES, W. W. Fertilization and citrus fruit quality. *Agrichem. West* 9(9):12-14, 15. Sept. 1966. 381 Ag85
Effects of NPK and calcium on the fruit.
- 7418 ERZ, A., SAMISH, R. M., and LAVEE, S. The role of light in leaf and flower bud break of the peach (*Prunus persica*). *Physiol. Plant.* 19(3):650-659. Ref. 1966. 450 P564
Photoperiodic study.
- 7419 FORSYTH, W. G. C., and HAMILTON, K. S. Bract pigmentation in bananas. *Nature* [London] 211(5046):325-326. July 16, 1966. 472 N21
- 7420 GAMKRELIDZE, I. D. Role of phosphorus fertilizers in citrus cultivation. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop.* 2:43-76. Ref., p. 71-76. 1965. 68.19 M28
English summary.
Effect on development and yields.
- 7421 GARNER, R. J. Budding hardwood cuttings of plum rootstocks in the season of establishment. *J. Hort. Sci.* 41(3):263-269. July 1966. 80 J825
- 7422 CARTEL, W. Causes of chlorosis on compact calcareous soils. (Ge) *Weinberg Keller* 12(4):143-164. Ref. Apr. 1965. 95.8 W435
English summary.
In relation to grape culture in Germany.
- 7423 GASANOV, T. G. Activities of oxidizing and peptolytic ferments in table grape varieties. (Rus) *Azerb. Un-t. Uch. Zap. Ser. Biol.* 2:79-91. 1964. Not in Libr.
Catalase.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:44. Aug. 1965. Film S-202
- 7424 GRIBIC, O. The effect of some synthetic phytohormones on the rooting of blackberry cuttings. (Se) *Agrohemia* 11:636-642. 1965. 385 Ag87
English summary.
- 7425 HORNEY, G. Forecasting the flowering date of grapes. (Ge) *Weinberg Keller* 13(6):263-273. June 1966. 95.8 W435
English summary.
As an effect of temperature.
- 7426 HUELIN, F. E., and MURRAY, K. E. Alpha-farnesene in the natural coating of apples. *Nature Nature* [London] 210(5042):1260-1261. June 18, 1966. 472 N21
- 7427 KIRAKOSYAN, A. M. The effect of solar radiation on the active surface of grapes. (Rus) *Meteorol. Gidrol.* 5:45-48. May 1966. 345 M56
- 7428 KLEWER, W. M. Sugars and organic acids of *Vitis vinifera*. *Plant Physiol.* 41(6):923-931. Ref. June 1966. 450 P692
- 7429 KOHABIR, R. M., and SAMSON, J. A. Maturity of oranges and grapefruit in the packing house in Surinam, 1960-1963. (Du) *Surinaamse Landbouw* 141(2/5):5-11. 1966. 9.6 Su7
English summary.
Effects of weather and soils on maturity.
- 7430 KORDAN, H. A. An all-glass vessel for growing lemon fruit tissue in vitro. *Advancing Frontiers Plant Sci.* 15:71-75. 1966. 452.4 V81
- 7431 LEONARDI, M., and ZALOSNIK, T. The effect of foliar application of nitrogen on the growth and yields of grapes. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(10):219-220. Aug. 1966. 21.5 S04

- 7432 LIPE, W. N., and CRANE, J. C. Dormancy regulation in peach seeds. *Science* 153(3735): 541-542. July 29, 1966. 470 Sci2
By growth inhibitors.
- 7433 MAYER, A. M., HAREL, E., and BEN-SHAUL, R. Assay of catechol oxidase—a critical comparison of methods. *Phytochemistry* 5(4):783-789. Ref. July 1966. 450 P5622
Apple chloroplasts studied.
- 7434 MICULKA, B. The effect of the distance from pollinators upon the yield of female varieties of strawberries. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(2):19-24. Ref. Apr. 1965. QH431.A1S25
English summary.
- 7435 MICULKA, B. The viability of strawberry seedlings in the X0 generation. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(3):31-36. Ref. Aug. 1965. QH431.A1S25
English summary.
Includes effects of X-rays on seeds.
- 7436 MIKHTELEVA, L. A. Gibberellins and yields of berries. (Rus) Priroda [Moscow] 9:105-106. 1966. 410 P933
Strawberries.
- 7437 MUKHERJI, S. K., and RAY, B. K. Effect of spraying naphthalene acetic acid on fruits and vegetables. *Fert. News* 11(7):18-19, 21-23. July 1966. 57.8 F4123
- 7438 PAPAITSOROS, G. N. Combination of the single cut and hormone as the first step in introducing 4-CPA in the techniques of Greek viticulture. (Gre) Delt. Agrotikes Trapezes 150: 37-38. May/June 1966. 21.7 D38
- 7439 REPIC, B. Possibilities of freezing of fruit trees during the coming winters due to the course of vegetative growth during the 1964/65. (Se) Poljoprivredni Pregl. 14(11/12):457-467. Nov./Dec. 1965. 21.5 P753
Due to physiological diseases.
- 7440 REZNICHENKO, A. G. Plodovyi sad; stroenie; razvitiye i plodonoshenie rastenii [Fruit garden; formation, development and yielding of plants]. Moskva, Nauka, 1966. 224 p. Ref. (Akademiya Nauk SSSR. Nauchno-Populyarnaya Seriya) SB357.R4
- 7441 RICHMOND, A., and BIALE, J. B. Protein synthesis in avocado fruit tissue. *Arch. Biochem. Biophys.* 115(1):211-214. Ref. July 1966. 381 Ar2
- 7442 RIVALS, P. Essay on the growth of trees and their flowering stems (application to fruit species). (Fr) J. Agr. Trop. Bot. Appl. 1(3):91-122. (Cont.) Jan./Mar. 1966. 26 J822
- 7443 SAKAI, A. Seasonal variations in the amounts of polyhydric alcohol and sugar in fruit trees. *J. Hort. Sci.* 41(3):207-213. July 1966. 80 J825
- 7444 SCHAHRESTANY, N. Beziehungen zwischen dem Mineralstoffgehalt von Fruchten, Blättern bzw. Boden und der Stippigkeit von Äpfeln [Relations between the mineral content of fruits, leaves, or soils and bitter pit in apples]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 22, 68 p. 1964. 105.8 B644
Bibliography, p. 47-56.
- 7445 SCHNEIDER, A. Annual variations of proline in peach trees. (Fr) Acad. Sci. Compt. Rend. Ser. D. 262(26):2726-2729. June 27, 1966. 505 P21
- 7446 SMITH, G. W. The relation between rainfall, soil water and yield of copra on a coconut estate in Trinidad. *J. Appl. Ecol.* 3(1):117-125. Ref. May 1966. 410 J828
- 7447 SONNEMAN, H. O. Unit takes guesswork out of degree days. *Wines Vines* 47(6):57, 59. June 1966. 95.8 C122
Apparatus for recording temperatures required to ripen grapes in the vineyard.
- 7448 SUPICA, M. A contribution to the study of the biology and pollination of the most important varieties of grapes of Herzegovina. (Se) Poljoprivredni Pregl. 14(9/10):405-419. Ref. Sept./Oct. 1965. 21.5 P753
- 7449 SOSNOVA, V., and UHLIK, J. Relations between pollen germination, length of leaf stomata, and number of chromosomes in pears. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(2):11-18. Ref. Apr. 1965. QH431.A1S25
English summary.
- 7450 STOLZY, L. H., HARDING, R. B., and BRANSON, R. L. Foliar absorption of boron in sprinkler-irrigated citrus. *Calif. Agr.* 20(6): 6-7. June 1966. 100 C12Cag
- 7451 VENTURELLA, P., BELLINO, A., and CUSMANO, S. On the composition of Citrus; isolation of pigments of Citrus aurantium L., var. foetipera. (It) Palermo. Accad. Sci. Lett. Arti. Atti (ser. 4) 24(1):101-104. 1965. 507 P172
- 7452 WALLIHAN, E. F., and GARBER, M. J. How much iron is enough? *Calif. Citrogr.* 51(11): 450, 452, 454, 456, 458-459. Sept. 1966. 80 C125
Chlorotic oranges as a product of soilless culture.
- 7453 WEJNAR, R. The effect of temperature on the formation of sugar, malic acid, and tartaric acid in grapes. (Ge) Deut. Bot. Ges. Ber. 78 (8):314-321. Ref. 1965. 451 D48

Physiology and Biochemistry - Nuts

- 7454 PANE MERCE, J. Fructification of the almond. II. (Sp) Cult. Mod. 49(6):227-229, map. June 1966. 15 C89
- 7455 PANE MERCE, J. Fructification of the almonds. III. (Sp) Cult. Mod. 49(8):301-304. Aug. 1966. 15 C89

Physiology and Biochemistry - Shade Trees and Ornamental Plants

- 7456 BEEVERS, L. Effect of gibberellic acid on the senescence of leaf discs of *Nasturtium* (*Tropaeolum majus*). *Plant Physiol.* 41(6):1074-1076. Ref. June 1966. 450 P692
- 7457 BERKS, D. O., and ALLEN, P. G. Hybrid lilies—techniques for cut-flower and pot-plant production. *Roy. Hort. Soc. Lily Year Book* 29:84-93. 1966. 96.46 R81
Physiological study of *Lilium tigrinum* hybrids.
- 7458 BOHLMANN, F., BORNOWSKI, H., and ARNDT, C. Polyacetylene compounds. CX. On the polyenes from *Cotula coronopifolia* L. (Ge) Chem. Ber. 99(9):2828-2834. Sept. 1966. 384 B45
- 7459 BOHM, B. A. Biosynthesis of chelidonic acid. I. Preliminary observation on the precursors of chelidonic acid in *Convolvulus majalis* L. *Arch. Biochem. Biophys.* 115(1):181-186. Ref. July 1966. 381 Ar2
- 7460 CHKHAIDZE, D. KH. Effect of the size of Greek laurel seeds on their germination and the growth of seedlings. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:89-96. Ref. 1965. 68.19 M28
English summary.
- 7461 EUW, J. V., and REICHSTEIN, T. Desoxy sugar, 39. Biosynthesis of digitoxose in *Digitalis lanata* Ehrh. (preliminary research). (Ge) Helv. Chim. Acta 49(5):1475-1483. Ref. 1966. 385 H36
English summary.
- 7462 EUW, J. V., and REICHSTEIN, T. Glycosides and aglycons, 274. Biosynthesis of the cardenolide and spirostan glycosides in *Digitalis lanata* Ehrh.; comparison of formation. (Ge) Helv. Chim. Acta 49(5):1468-1474. Ref. 1966. 385 H36
English summary.
- 7463 GUTH, E. B. DE. Distribucion y caracteristicas de las ceras de las hojas de palmas flabeladas argentinas [Distribution and characteristics of waxes of the leaves of Argentine flabelate palms]. *Rev. Invest. Agropecuar. Ser. 2, Biol. Prod. Veg.* 3(5):55-65. Ref. 1966. 9 R3232
Copernicia alba and *Trithrinax* spp.

- 7464 GUTTORMSEN, G. Effects of light and temperature on growth and development of garden Pelargonium (*Pelargonium x hortianum* Bailey). (No) Gartneryrket 56(35):816-818, 827. Aug. 26, 1966. 80 G1938
Short day treatment or use of phosphon.
- 7465 HOTTA, Y., and STERN, H. Ribonucleic acid polymerase activity in extended and contracted chromosomes. *Nature* [London] 210(5040): 1043-1045. June 4, 1966. 472 N21
Observed in *Tulipa gesneriana*.
- 7466 HUBBARD, C. P. Atomic irradiation of *Gladiolus* seeds. *Gladiolus* 41:59-65. 1966. 96,43 N44
- 7467 INGRAM, C. The drought resistance of *Rhododendron moupinense*. *Roy. Hort. Soc. Rhododendron Camellia Year Book* 20:137. 1966. 84 R343
- 7468 KAKU, S. Changes in supercooling in growing leaves of some evergreen plants and their relation to intercellular space, osmotic value and water content. *Bot. Mag. Tokyo* 79 (932/933):98-104. Ref. Feb./Mar. 1966. 450 B551
Aspidistra elatior, *Viburnum odoratissimum*, and *Fatsia japonica*.
- 7469 KAMIJO, N., and others. A novel type of framework found in an alkaloid from *Daphniphyllum macropodum*. *Tetrahedron Lett.* 25: 2889-2892. June 1966. 385 T29
T. Nakano, Y. Terao, and K. Osaki, joint authors.
- 7470 KAUKOVIRTA, E. Effect of propagation time and length of root system on growth of chrysanthemums. (Fi) Suomen Maataloustieteellinen Seura. *Maataloustieteellinen Aikak.* 38(2):93-100. 1966. 20 Su7M
English summary.
- 7471 KIMBROUGH, W. D., and BLACKWELL, C. New treatment produces earlier, larger Camellias. *La. Agr.* 9(4):5-7. Summer 1966. 100 L939
Use of gibberellic acid.
- 7472 KOFRANEK, T., and KUBOTA, F. Controlling growth of pompons with B-Nine. *Florists' Rev.* 138(3587):15-16. Aug. 25, 1966. 80 W41
- 7473 LARSON, R. A. Light. *Florists' Rev.* 139 (3590):67, 113-116, 122-123. Sept. 15, 1966. 80 W41
- 7474 LEETE, E., and BODEM, G. B. The biosynthesis of 3-dimethylamino-3-phenylpropanoic acid in yew [*Taxus*]. *Tetrahedron Lett.* 33: 3925-3927. Aug. 1966. 385 T29
- 7475 LEVONEN, H. J. Physiologic disturbances in mums. (Fi) *Puutarha* 69(6):368. 1966. 80 P99
English summary, Contents and summaries.
- 7476 LINDSTROM, R. S. Snapdragons, 60°F & CO₂. *Florists' Rev.* 139(3591):18-19, 51-54. Sept. 22, 1966. 80 W41
- 7477 MOORE, C. W. E., and KERAITIS, K. Nutrition of *Grevillea robusta*. *Australian J. Bot.* 14(2): 151-163. Ref. July 1966. 450 Au72
- 7478 NICHOLS, R. Ethylene production during senescence of flowers. *J. Hort. Sci.* 41(3):279-290. Ref. July 1966. 80 J825
- 7479 PARKER, J. Leaf water retention versus desiccation resistance as the cause of drought resistance in leaves of woody evergreens. *Advancing Frontiers Plant Sci.* 15:157-169. Ref. 1966. 452,4 V81
- 7480 POTTSCH, J. The behavior of *Abutilon hybridum* hort. "Andenken an Bonn" after single and fractionated irradiation. (Ge) *Z. Pflanzenzucht.* 55(2):183-200. Ref. Apr. 1966. 450 Z36
English summary.
Chimera.
- 7481 RADUNZ, A. Chlorophyll and lipid content of leaves and chloroplasts from *Antirrhinum majus* dependent upon development. (Ge) *Z. Pflanzenphysiol.* 54(5):395-406. Ref. May 1966. 450 Z32
English summary.
- 7482 REES, A. R. Potential rates of dry-matter production in southern England with special reference to the tulip. *Glasshouse Crops Res. Inst. Annu. Rep.* 1964:132-138. Ref. 1965. 84 G46
For estimates in solar radiation and photosynthesis.
- 7483 SANDVED, G. Taller or lower potted *Chrysanthemum*. (No) *Gartneryrket* 56(32):742-743. Aug. 5, 1966. 80 G1938
Short day treatment or use of phosphon.
- 7484 SORENSEN, J. S., and SORENSEN, N. A. Studies related to naturally occurring acetylene compounds. XXIII. A preliminary investigation of *Coreopsis gigantea* (Kell.) H. M. Hall. *Acta Chem. Scand.* 20(4):992-1002. Ref. 1966. 385 Ac82
- 7485 STABA, E. J., and LAURSEN, P. Morning glory [*Ipomoea violacea*] tissue cultures: growth and examination for indole alkaloids. *J. Pharm. Sci.* 55(10):1099-1101. Oct. 1966. 396,8 J825
- 7486 STERMITZ, F. R., and SEIBER, J. N. Alkaloids of the *Papaveraceae*. IV. Argemone hispidia Gray and A. munita Dur. & Hilg. subsp. *rotundata* (Rydb.) G. B. Ownb. *J. Org. Chem.* 31(9):2925-2933. Sept. 1966. 381 J827
- 7487 SUCROW, W. Contents of *Momordica charantia* L. 1, 2, 25 stigmasteradienol-(3beta) and its beta-D-glucoside. (Ge) *Chem. Ber.* 99(9): 2765-2777. Sept. 1966. 384 B45
- 7488 TEGISBAJEV, I. T., CHUMBALOV, T. K., and ABUDAKIROV, N. K. Triterpenoid glycoside-sileneolide obtained from the roots of *Silene latifolia* (Mill.) Rendle. (Rus) *Rastitel. Resursy* 1(1):102-106. 1965. 450 R18
- 7489 THOMPSON, N. P. Vascular regeneration and long distance transport of indole-3-acetic acid in *Coleus* [blumei] stems. *Plant Physiol.* 41 (7):1106-1112. Ref. Sept. 1966. 450 P692
- 7490 TSCHESCHE, R., TJOA, B. T., and WULFF, G. On triterpenes. XXI. On the sapogenins of the roots of *Primula veris* L. (Ge) *Justus Liebigs Ann. Chem.* 698:160-179. Ref. 1966. 382 An7
- 7491 WANG, M. T., and CHOU, T. H. Analysis of Digitalis leaves. I. Thin layer chromatography of Digitalis glycosides. (Ch) *Acta Pharm. Sinica* 12(11):720-726. Nov. 1965. 396,8 Y1
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 46:23. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241,7 Un34C
Issued by CFSTI.
- 7492 WATERS, W. E. Response of *Gladiolus* corms and cormels to thirteen herbicides. *Gladiolus* 41:36-44. 1966. 96,43 N44
- 7493 WELLBURN, A. R., STONE, K. J., and HEMMING, F. W. The stereochemistry of phenyl biosynthesis in the leaves of *Ficus elastics* and *Aesculus hippocastanum*. *Biochem. J.* 100 (2):23C-25C. Aug. 1966. 382 B52
- 7494 WELLENSTIEK, S. J. Photoperiod and temperature in the long-day plants *Silene armeria* L. and *Trifolium pratense* L. *Z. Pflanzenphysiol.* 54(5):377-385. May 1966. 450 Z32

Physiology and Biochemistry - Vegetable and Truck Crops

- 7495 ALT, D. The effect of combinations of ions at different nutrient solution temperatures on cucumbers. (Ge) *Z. Pflanzenernahr. Dungung. Bodenk.* 112(2):144-155. Ref. 1966. 384 Z343A
English summary, p. VII.
- 7496 ALT, D. The effect of combinations of ions at different nutrient solution temperatures on tomatoes. (Ge) *Z. Pflanzenernahr. Dungung. Bodenk.* 112(1):17-29. Ref. 1966. 384 Z343A
English summary, p. II.
- 7497 ASAHII, T., and MASAKI, S. Purification and properties of a chloroplast-protein containing photoreducible disulfide bond. *J. Biochem.* 60 (1):90-92. July 1966. 385 J822
Spinach.
- 7498 BARKER, A. V., VOLK, R. J., and JACKSON, W. A. Root environment acidity as a regulatory factor in ammonium assimilation by the bean plant. *Plant Physiol.* 41(7):1193-1199. Ref. Sept. 1966. 450 P692
Studied with radioactive nitrogen and calcium carbonate in soilless culture.

- 7499 BELIK, V. F. The development of tomatoes and the concentration of cell sap in their leaves at different soil moisture contents. 4 p. (TT 64-19134) Transl. 15488
Translation from *Botanicheskii Zhurnal* 7: 1063-1066. 1960.
Issued by CFSTI.
- 7500 BERGMAN, E. L., and FLETCHER, R. F. Magnesium effects analyzed for commercial tomato production. *Sci. Farmer [Penn. Sta.]* 13(4):6. Summer 1966. 100 P381S
- 7501 BETTS, G. F., and HEWITT, E. J. Photosynthetic nitrite reductase and the significance of hydroxylamine in nitrite reduction in plants. *Nature [London]* 210(5043):1327-1329. Ref. June 25, 1966. 472 N21
In spinach and pumpkin.
- 7502 BOGER, P., BLACK, C. C., and SAN PIETRO, A. Photosynthetic reactions with pyridine nucleotide analogs. I. *Arch. Biochem. Biophys.* 115(1):35-43. Ref. July 1966. 381 Ar2
Spinach chloroplasts.
- 7503 BORER, K., and others. Ethylene-bis-nitro-urethane: investigation of the plant growth stimulant action of analogous compounds. *J. Expt. Bot.* 17(51):378-389. May 1966. 450 J8224
R. J. Hardy, W. S. Lindsay, and D. A. Spratt, joint authors.
On peas.
- 7504 BOUDNITSKAYA, E. V. Changes in the content of unsaturated higher fatty acids in the free lipid fraction of irradiated leaves and an investigation of toxic properties of this fraction. *Radiat. Bot.* 6(4):351-355. Ref. Aug. 1966. 450 R11
X-ray study.
Beans.
- 7505 BREYHAN, T., and HEILINGER, F. Analytic research of the amino acids and chlorophyll formation in potato seedlings. (Ge) *Phytochemistry* 5(4):811-814. July 1966. 450 P5622
English summary.
- 7506 BURDINE, H. W., and GUZMAN, V. L. The response of some green celery varieties to pH adjustment with sulphur on Everglades organic soil. *Fla. State Hort. Soc. Proc.* 78:148-155. Ref. 1965, pub. 1966. 81 F66
- 7507 BUTKEVICH, S. T., VORONOVA, M. N., and KRUCHINKA, M. M. Dynamics of accumulation of ascorbic acid and carotene in bush red-pepper while ripening and stored. (Rus) *L'ya Resp. Nauch. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii* 1964:443-448. Not in Libr.
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 15:21. Aug. 1965. Film S-202
- 7508 CADAHIA, C., and HERNANDO, V. Nitrates determination in sap. (Sp) *An. Edafol. Agrobiol.* 24(9/10):549-562. Sept./Oct. 1965. 506 Sp12
English summary.
In tomato.
- 7509 CADAHIA, C., and HERNANDO, V. Variations in mineral content during the growing cycle of tomato plants. (Sp) *An. Edafol. Agrobiol.* 24(11/12):669-681. Nov./Dec. 1965. 506 Sp12
English summary.
- 7510 CORY, S., FINCH, L. R., and HINDE, R. W. The incorporation of [32 P] phosphate into nucleic acids of normal and boron-deficient bean roots. *Phytochemistry* 5(4):625-634. July 1966. 450 P5622
- 7511 COURSEY, D. G., FELLOWS, I. E., and COULSON, C. B. Respiration in yam tubers. *Nature [London]* 210(5042):1292-1293. Ref. June 18, 1966. 472 N21
- 7512 DASKALOFF, C., and OGNANOVA, A. The behaviour of *Lycopersicon esculentum* Mill., *L. racemigerum* Lange and *L. hirsutum* Humb. et Bonpl. to continuous illumination. (Ge) *Z. Pflanzenzucht.* 54(2):169-181. Ref. Nov. 1965. 450 Z36
English summary.
- 7513 DAVIES, D. D. The control of respiration of turnip disks by L-methionine. *J. Expt. Bot.* 17(51):320-331. Ref. May 1966. 450 J8224
- 7514 DENIEL, J., NOUY, J., and MADEC, P. Cold treatment of seed potatoes. 8 p. (TT 64-14288) Transl. 16043
Translation from International Institute of Refrigeration. *Bulletin. Suppl. Annex* 5/7:71-78. 1963.
Issued by CFSTI.
- 7515 DEVLIN, R. M., and MCINTYRE, O. M. Stimulation of abscission of petioles of Phaseolus vulgaris by sucrose and gibberellic acid. *Physiol. Plant.* 19(3):741-747. Ref. 1966. 450 P564
- 7516 DICKERSON, A. G., and EDELMAN, J. The metabolism of fructose polymers in plants. VI. Transfructosylation in living tissue of *Helianthus tuberosus* L. *J. Exp. Bot.* 17(52): 612-619. Ref. Aug. 1966. 450 J8224
- 7517 DONEY, R. C., and THOMPSON, J. F. The reduction of S-methyl-L-cysteine sulfoxide and L-methionine sulfoxide in turnip and bean leaves. *Biochim. Biophys. Acta* 124(1):39-49. Ref. July 27, 1966. 381 B522
- 7518 DOSKAROVA, A. Uptake of RNA by the root system of tomato. *Biol. Plant.* 8(2):110-116. Ref. 1966. 450 B52
- 7519 EINOR, L. O., and DZUBAK, O. I. Effect of inorganic salts and organic solvents on the activity of the Hill reaction with pea chloroplasts. (Ukr) *Ukr. Bot. Zh.* 23(4):3-10. Ref. 1966. 450 J8212J
English summary.
- 7520 EVERSON, R. G., and others. Desaspidin and CO₂ fixation by spinach chloroplasts. *Plant Physiol.* 41(7):1240-1241. Sept. 1966. 450 P692
W. Cockburn, P. W. Ellyard, and M. Gibbs, joint authors.
Phosphorylation study.
- 7521 FALUDI, B. Techniques of making short-term tissue cultures of potato tubers. I. Effect of the composition of the growth medium. *Acta Agron. [Budapest]* 15(1/2):1-12. Ref. 1966. 19 Ac8
- 7522 FRYDRYCH, J. Study of photosynthetic assimilation of diploid and autotetraploid radishes (*Raphanus sativus* L.) (Cz) *Sb. UVVI [Ustav Vedeckotech. Inform.] Genet. Slechteni* 1(2):25-30. Apr. 1965. QH43.A1S25
English summary.
- 7523 GAYRIELIAN, N. D., and KOZLOVA, N. B. Study of synthetic analogues of UDPG and sucrose-UDP-glucosyl transferase from pea seedlings. (Rus) *Biokhimiya* 31(4):760-767. Ref. July/Aug. 1966. 385 B523
English summary.
- 7524 GODNEV, T. N., and others. The influence of the phytochrome system on the formation of pigments in carrot tissue culture. (Rus) *Akad. Nauk SSSR. Dokl.* 169(3):692-694. Ref. 1966. 511 P444A
N. K. Akulovich, K. I. Orlovskaya, and V. I. Domash, joint authors.
- 7525 GOODWIN, P. B. An improved medium for rapid growth in isolated potato buds. *J. Exp. Bot.* 17(52):590-595. Ref. Aug. 1966. 450 J8224
- 7526 GOREN, R., and GALSTON, A. W. Control by phytochrome of 14 C-sucrose incorporation into buds of etiolated pea seedlings. *Plant Physiol.* 41(6):1055-1064. Ref. June 1966. 450 P692
Effects of red light and infrared rays.
- 7527 GRIB, S. F. Biological foundations of harvesting dates for pea seeds. (Rus) *Vestnik Sel'skhoz. Nauk. [Moscow]* 7:128-132. July 1966. 20 V633
- 7528 GROMET-ELHANAN, Z., and AVRON, M. Desaspidin: a nonspecific uncoupler of photophosphorylation. *Plant Physiol.* 41(7):1231-1236. Ref. Sept. 1966. 450 P692
In lettuce and spinach.
- 7529 GRUENER, N., and NEUMANN, J. An ion-stimulated adenosine triphosphatase from bean roots. *Physiol. Plant.* 19(3):678-682. 1966. 450 P564
- 7530 HALEVY, A. H., DILLEY, D. R., and WITTEWER, S. H. Senescence inhibition and respiration induced by growth retardants and N-Benzyladenine. *Plant Physiol.* 41(7):1085-1089. Ref. Sept. 1966. 450 P692
Lettuce.

- 7531 HARADA, H. Effects of photoperiod on the formation of flower buds by flower stalk sections of *Cichorium intybus* in tissue culture. (Ja) Bot. Mag. Tokyo 79(932/933):119-123. Feb./Mar. 1966. 450 B651 English summary.
- 7532 HAWORTH, F., CLEAVER, T. J., and BRAY, J. M. The effects of different manurial treatments on the yield and mineral composition of early potatoes. J. Hort. Sci. 41(3):225-241. Ref. July 1966. 80 J825
- 7533 HAWORTH, F., CLEAVER, T. J., and BRAY, J. M. The effects of different manurial treatments on the yield and mineral composition of red beet. J. Hort. Sci. 41(3):243-255. July 1966. 80 J825
- 7534 HEATHERBELL, D. A., HOWARD, B. H., and WICKEN, A. J. The effects of growth retardants on the respiration and coupled phosphorylation of preparations from etiolated pea seedlings. Phytochemistry 5(4):635-642. Ref. July 1966. 450 P5622 Effects of Chlorocholine chloride and N-Dimethylaminosuccinic acid on phosphate oxygen ratio.
- 7535 HILL, A. S., and MATTICK, L. R. The n-alcanes of cabbage (var. Copenhagen) and sauerkraut. Phytochemistry 5(4):693-697. Ref. July 1966. 450 P5622
- 7536 HILL, T. A., and SELMAN, I. W. Studies on two gibberellin-like substances in young shoots of tomato (*Lycopersicon esculentum* Mill.). J. Exp. Bot. 17(52):534-545. Ref. Aug. 1966. 450 J8224
- 7537 HIND, G. Photo-oxidation of desaspadin sensitized by chlorophyll. Plant Physiol. 41(7):1237-1239. Sept. 1966. 450 P692 Phosphorylation study.
- 7538 HINDE, R. W., and FINCH, L. R. The activities of phosphatases, pyrophosphatases and adenosine triphosphatases from normal and boron deficient bean roots. Phytochemistry 5(4):619-623. July 1966. 450 P5622
- 7539 HINDE, R. W., FINCH, L. R., and CORY, S. Amino acid-dependent ATP-pyrophosphate exchange in normal and boron deficient bean roots. Phytochemistry 5(4):609-618. Ref. July 1966. 450 P5622
- 7540 HOCK, B., KUHNERT, E., and MOHR, H. The regulation by light of fat degradation and respiration in mustard seedlings (*Sinapis alba* L.). (Ge) Planta 65(2):129-138. Ref. 1966. 450 P693 English summary.
- 7541 JACOBY, B. Ascent of calcium in intact and de-rooted bean plants. Nature [London] 211(5045):212. July 9, 1966. 472 N21
- 7542 JAFFE, M. J., and GALSTON, A. W. Physiological studies on pea tendrils. I. Growth and coiling following mechanical stimulation. Plant Physiol. 41(6):1014-1025. Ref. June 1966. 450 P692
- 7543 JAFFE, M. J., and GALSTON, A. W. Physiological studies on pea tendrils. II. The role of light and ATP in contact coiling. Plant Physiol. 41(7):1152-1158. Ref. Sept. 1966. 450 P692
- 7544 JONES, L. W., and KOK, B. Photoinhibition of chloroplast reactions. I. Kinetics and action spectra. Plant Physiol. 41(6):1037-1043. Ref. June 1966. 450 P692 Includes effects of ultraviolet rays on spinach.
- 7545 JONES, L. W., and KOK, B. Photoinhibition of chloroplast reactions. II. Multiple effects. Plant Physiol. 41(6):1044-1049. Ref. June 1966. 450 P692 Effects of ultraviolet rays on algae and spinach.
- 7546 KAGAN, Z. C., KRETOVICH, V. L., and DRO-NOV, A. S. Transaminations of keto analogues of valine and isoleucine with different amino acids in extracts from pea seedlings. (Rus) Biokhimiya 31(4):704-711. Ref. July/Aug. 1966. 385 B523 English summary.
- 7547 KALINA, M. Reduction of tetrazolium salts catalyzed by soluble diaphorase in rat liver and embryos of *Vicia faba*. Histochemie 7(1):8-14. Ref. 1966. 384 H622
- 7548 KE, B., SELISKAR, C., and BREEZE, R. Pigment composition and optical rotatory dispersion of chloroplast fractions obtained by detergent action. Plant Physiol. 41(6):1081-1082. Ref. June 1966. 450 P692 Spectrophotometry in spinach research.
- 7549 KLEIN, R. M., and EDSALL, P. C. Substitution of redox chemicals for radiation in phytochrome-mediated photomorphogenesis. Plant Physiol. 41(6):949-952. Ref. June 1966. 450 P692
- 7550 KLOZ, J., TURKOVA, V., and KLOZOVA, E. Proteins found during maturation and germination of seeds of *Phaseolus vulgaris* L. Biol. Plant. 8(2):164-173. Ref. 1966. 450 B52
- 7551 KOLEV, V. The effect of the spraying with zinc sulfate on phosphorus metabolism in soaked bean plants. (Bu) Rastenievudni Nauk. 2(2):57-62. Ref. 1965. 648 R18 English summary.
- 7552 KOROVIN, A. I., and VOROB'EV, V. A. After-effect of low soil temperature and frost on nitrogen fixation by broadbeans fertilized by different doses of nitrogen and molybdenum. (Rus) Agrokhiimiya 12:29-37. Dec. 1965. 385 Ag89
- 7553 KRILLOVA, M. I. Intervarietal pollination and sterility of pollen of the Markvis'kiy onion variety. (Uk) In Kartoplya, Ovochevi ta Bash-tan-ni Kul'tury 1964:45-48. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:2. Aug. 1965. Film S-202
- 7554 LEVIN, V. K. Biology of bulb development of Jerusalem artichoke. (Rus) Mordovsk. In-t. Uch. Zap. 39:34-42. 1964. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:31. Aug. 1965. Film S-202
- 7555 LEWIN, I. J., and BUKOVAC, M. J. Efecto de la N⁶-benzil adenina sobre la absorcion y el transporte de fosforo-32 aplicado por via foliar a plantulas de poroto (*Phaseolus vulgaris* L.) [Effect of N⁶-benzyladenine on the absorption and translocation of phosphorus³² applied to the leaves of bean (*Phaseolus vulgaris* L.) plants]. Rev. Invest. Agropecu. Ser. 2, Biol. Prod. Veg. 2(5):63-79. Ref., p. 77-79. 1965. 9 R3232
- 7556 LINDSTROM, R. S. The use of carbon dioxide in European horticulture. Florists' Rev. 138(3586):25-26, 62-64. Aug. 18, 1966. 80 W41 In greenhouse culture of ornamentals and vegetables.
- 7557 LUNDEGARDH, H. Action spectra and the role of carotenoids in photosynthesis. Physiol. Plant. 19(3):754-769. Ref. 1966. 450 P564 Light study with beans, spinach, and Euphorbia mili.
- 7558 L'VOVA, P. M. Dynamics of accumulation of nutritional elements in potato plant. (Rus) In Issled. poch., rastit. i faunist. resursov Yakutii 1964:123-129. Not in Libr. Nitrogen, phosphorus and potassium. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:23. Aug. 1965. Film S-202
- 7559 LYTUVYN, H. M. Biochemical characteristics of wild and primitive potato varieties grown under condition of forest-steppe zone in Ukrainian SSR. (Uk) In Kartoplya, Ovochevi ta Bash-tan-ni Kul'tury 1964:110-118. Not in Libr. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:10. Aug. 1965. Film S-202
- 7560 MACLEOD, N. J., and PRIDHAM, J. B. Observations on the translocation of phenolic compounds. Phytochemistry 5(4):777-781. Ref. July 1966. 450 P5622 Broadbeans.
- 7561 MANOHR, M. S. Measurement of the water potential of intact plant tissues. III. The water potentials of germinating peas (*Pisum sativum* L.). J. Expt. Bot. 17(51):231-235. May 1966. 450 J8224 Psychrometry.
- 7562 MANOILOV, S. E., NIKOGOSYAN, I. H., and YATSENOV-KHMELEVSKI. Effect of ionizing radiation on the mitoses in the onion rootlets with irradiation of different parts of a bulb. (Rus) Tsitologiya 7(5):660-663. Sept./Oct. 1965. 442.8 T78 English summary.

- 7563 MARGULIES, M. M. Effect of chloramphenicol on formation of chloroplast structure and protein during greening of etiolated leaves of *Phaseolus vulgaris*. *Plant Physiol.* 41(6):992-1003. Ref. June 1966, 450 P692
- 7564 MIKHAILENKO, M. A. Effects of minor elements on water regime in tomatoes under condition of Voronezh Region. (Rus.) Voronezhsk. Gos. Ped. In-t. *Izv.* 44:167-171. 1964. Not in Libr.
Seed treatment.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:21. Aug. 1965. Film S-202
- 7565 MIRANDA SIRAGUSA, F. Deficiency symptoms in the sweetpotato. (Sp) Puerto Rico. Univ. Ext. Folleto A-41,6 p. Mar. 1965.
275,29 P96A
- 7566 MOLOKODOVA, L. F. Oxidation-reduction potential in flower tissues of cucumbers in connection with heterosis. (Uk) In Kartoplya, Ovochevi ta Bashtanni Kul'tury 1964:91-95. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:2. Aug. 1965. Film S-202
- 7567 MOORBY, J. Some aspects of potato physiology. *Food Trade Rev.* 36(8):49-51. Ref. Aug. 1966, 389,8 FT334
- 7568 MUKHIN, E. N., and AKULOVA, E. A. The light adaptation mechanism of NADP photoreduction by chloroplasts. (Rus) Akad. Nauk SSSR. Dokl. 169(3):699-702. Ref. 1966, 511 P444A
- 7569 MUKHUTDINOV, M. F. Effect of bacterial fertilizers on some physiological processes and yields of tomatoes. (Rus) Kubyshevsk. S.-Kh. In-t. *Izv.* 14:74-79. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:21. Aug. 1965. Film S-202
- 7570 NITSAN, J., and LANG, A. DNA synthesis in the elongating nondividing cells of the lentil epicotyl and its promotion by gibberellin. *Plant Physiol.* 41(6):965-970. Ref. June 1966, 450 P692
- 7571 NOSSEIR, M. A. Distribution and reutilization of calcium in plants. *Advancing Frontiers Plant Sci.* 15:137-148. 1966. 452,4 V81
Vicia faba and Phaseolus grown in nutrient media.
- 7572 ORTWERTH, B. J., and KOEPE, O. J. Light dependent increase of triosephosphate dehydrogenase in pea leaves. *Plant Physiol.* 41(7):1213-1217. Sept. 1966, 453 P632
- 7573 PACQUETEAU, B. A peculiar symptom of boron deficiency in garden beets. (Fr) *Phytoma* 17(169):38. June 1965, 464,8 P563
- 7574 PAGE, E. R. The micronutrient content of young vegetable plants as affected by farmyard manure. *J. Hort. Sci.* 41(3):257-261. Ref. July 1966, 80 J825
- 7575 PALMER, J. M. The influence of growth regulating substances on the development of enhanced metabolic rates in thin slices of beet-root storage tissue. *Plant Physiol.* 41(7):1173-1178. Ref. Sept. 1966, 450 P692
Studied with indoleacetic acid, gibberellic acid, and kinetin.
- 7576 PANKOV, V. V. Selection of plant part for analysis of tomato requirements for nitrogen and phosphorus. (Rus) *Agrokimiya* 8:119-123. Ref. Aug. 1965, 385 Ag89
- 7577 PATERSON, D. R., and others. Effects of nitrogen on yield, quality and mineral uptake of Harvester snap beans. *Tex. Agr. Exp. Sta. MP-809*, 11 p. Ref. June 1966, 100 T31M
J. D. Downes, N. H. Peck, H. Ozaki, K. B. Tyler, and S. C. Wiggins, joint authors.
- 7578 PEGG, G. F. Changes in levels of naturally occurring gibberellin-like substances during germination of seed of *Lycopersicon esculentum* Mill. *J. Expt. Bot.* 17(51):214-230. Ref. May 1966, 450 J8224
- 7579 POLEVAYA, V. S., and BUTENKO, R. G. The role of the spectral composition of light in the division and distention of cells in the tissue culture of carrot. (Rus) Akad. Nauk SSSR. Dokl. 169(3):721-723. Ref. 1966, 511 P444A
- 7580 POPOVA, D., and POPOVA, M. Effect of ultrasonic on tomato seeds. (Bu) Priroda [Sofia] 14(1):82-83. Jan./Feb. 1965, 410 P934
Effect on germination and yields.
- 7581 RASHCHINA, G. V. Testing treatment of broad-bean seeds. (Rus) Irkutskaya Obl. S.-Kh. Opytn. St. Byul. Nauchno-Tekhn. Inform. 2:29-30. 1964. Not in Libr.
Thiram for better yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:53. Aug. 1965. Film S-202
- 7582 RICKMAN, R. W., LETEY, J., and STOLZY, L. H. Plant responses to oxygen supply and physical resistance in the root environment. *Soil Sci. Soc. Amer. Proc.* 30(3):304-307. May/June 1966, 56,9 S03
Tomatoes.
- 7583 RIEKELS, J. W., and LINGLE, J. C. Iron uptake and translocation by tomato plants as influenced by root temperature and manganese nutrition. *Plant Physiol.* 41(7):1095-1101. Ref. Sept. 1966, 450 P692
Studied in nutrient solution.
- 7584 ROBB, D. A., SWAIN, T., and MAPSON, L. W. Substrates and inhibitors of the activated tyrosinase of broad bean (*Vicia faba* L.). *Phytochemistry* 5(4):665-675. Ref. July 1966, 450 P6622
- 7585 ROGERS, L. I., SHAH, S. P. J., and GOODWIN, T. W. Mevalonate-kinase isoenzymes in plant cells. *Biochem. J.* 100(2):14C-17C. Ref. Aug. 1966, 382 B52
Beans.
- 7586 ROMANOVA, A. M. Effect of tomato seed hardening with variable temperature on its growth and development. (Rus) Kazanskii Sel'skokhoz. Inst. *Trudy* 44:118-126, 106 K183
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:21. Aug. 1965. Film S-202
- 7587 ROTH-BEJERANO, N., KOLLER, D., and NEGBI, M. Mediation of phytochrome in the inductive action of low temperature on dark germination of lettuce seed at supra-optimal temperature. *Plant Physiol.* 41(6):962-964. Ref. June 1966, 450 P692
Effects of infrared rays.
- 7588 ROZIER, C. Effect of physiological age of the seed tuber on the phenolase complex of potato plants. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(2):112-115. July 11, 1966, 505 P21
- 7589 SAMTSEVICH, S. A., and ULASEVICH, E. I. Microflora of hydroponic cucumber culture. (Rus) *Mikrobiologiya* 34(4):707-714. Ref. July/Aug. 1965, 446,3 M582
English summary.
- 7590 SANDHU, K. S., DHESI, N. S., and KANG, U. S. Pod and seed characters of turnip (*Brassica rapa*) as influenced by N, P, K and spacing treatments. *Indian J. Agron.* 10(3):279-282. Sept. 1965, 22 In235
- 7591 SCHWIMMER, S. DNA polymerase activity of mung bean seedlings. *Phytochemistry* 5(4):791-794. July 1966, 450 P6622
- 7592 SEBESTA, K., BAUEROVA, J., and SORMOVA, Z. Bacterial contamination as a source of error in the estimation of DNA turnover in higher plants. *Collect. Czech. Chem. Commun.* 31(6):2623-2625. June 1966, 385 C68
Tests with cucumber seedlings.
- 7593 SEREBRENKOV, V. S. Increasing seed potato quality by gamma radiation. (Rus) *Selek. Semenovodstvo* 2:39-40, 1965, 61,9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:23. Aug. 1965. Film S-202
- 7594 SHKVARUK, M. M., DELEMENCHUK, M. I., and SAPATII, S. E. Effect of macro- and micro elements on vitality and germination of vegetable seeds. (Uk) *Umans'k. Sil'skoshospod. In-t. Nauk. Pratsi* 14:206-215. 1964, 20 UmIP
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 13:23. July 1965. Film S-202
- 7595 SIDAWAY, G. H. Influence of electrostatic fields on seed germination. *Nature* [London] 211(5046):303. July 16, 1966, 472 N21
In lettuce.
- 7596 SIEGLE, S. M., DALY, O. W. Experiment biology of ammonia-rich environments. Germination of Allium seed, a novel capability among angiosperms. *Plant Physiol.* 41(7):1218-1221. Sept. 1966, 450 P692

- 7597 SKOGLLEY, E. O. Ion-exchange resin media: micronutrient levels and the response of tomatoes. *Soil Sci.* 102(3):167-172. Sept. 1966. 56.8 So3
- 7598 SPANG, H. A. The implication of auxin in the UV promoted expansion of etiolated bean leaf disks. *Physiol. Plant.* 19(3):672-677. 1966. 450 P564
- 7599 SPRING, A., and ROWAN, K. S. Phosphorus metabolism and auxin action. *Nature [London]* 210(5041):1166-1167. June 11, 1966. 472 N21 Indolylacetic acid in peas.
- 7600 SUZUKI, Y. Alcohol dehydrogenase (alcohol: NAD oxidoreductase) from the pea seedling. *Phytochemistry* 5(4):761-765. Ref. July 1966. 450 P5622
- 7601 VOSTRAL, H. J., and BUCHHOLTZ, K. P. Pea responses to MCPB applications at different growth stages. *Crop Sci.* 6(4):313-316. Ref. July/Aug. 1966. 64.8 C883
- 7602 WHITE, H. L. The composition of the broad bean seed (*Vicia faba*). *J. Expt. Bot.* 17(51):195-203. Ref. May 1966. 450 J8224
- 7603 YOUNG, R. L., and others. Analysis for kawa pyrones in extracts of *Piper methysticum*. *Phytochemistry* 5(4):795-798. July 1966. 450 P5622
J. W. Hylin, D. L. Plucknett, Y. Kawano, and R. T. Nakayama, joint authors.
- 7604 ZIEGLER, H., and ZIEGLER, I. The light induced synthesis of the NADP dependent glyceraldehyde-3-phosphate-dehydrogenase. III. The importance of chlorophyll and the influence of metabolic inhibitors. (Ge) *Planta* 69(2):111-123. 1966. 450 P693
English summary.
Pisum sativum.
- 7605 ZMEEV, I. I. Effect of local application of mineral fertilizers on nitrogen, phosphorus, and potassium content in the rhizosphere and the above-ground parts of potatoes. (Rus) *Agrokimiya* 8:51-55. Ref. Aug. 1965. 385 Ag89
- Physiology and Biochemistry of Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)
- 7606 ABRUNA, F., SILVA, S., and VICENTE-CHANDLER, J. Effects of yields, shade, and varieties on size of coffee beans. *P. R. Univ. J. Agr.* 50 (3):226-230. July 1966. 8 P8323
- 7607 BAHADUR, R., and GUPTA, K. N. Effect of various fertilizers on composition of *Mentha arvensis* plants. *Amer. Perfumer Cosmet.* 81 (9):45-47-50. Sept. 1966. 308.8 Am3
- 7608 BUTTERY, B. R., and BOATMAN, S. G. Manometric measurement of turgor pressures in laticiferous phloem tissues. *J. Expt. Bot.* 17 (51):283-296. May 1966. 450 J8224
Hevea brasiliensis.
- 7609 COUFAL, V. Day and night growth of hops in relation to the temperature of environment. (Cz) *Chmelarstvi* 38(12):190-191. Dec. 5, 1965. 70.8 C33
German summary.
- 7610 FAIRBAIRN, J. W., and PATERSON, A. Alkaloids as possible intermediaries in plant metabolism. *Nature [London]* 210(5041):1163-1164. Ref. July 11, 1966. 472 N21
Morphine in poppy plants.
- 7611 FRANZ, G. The mucilage from *Althaea officinalis* and *Malva sylvestris*. (Ge) *Planta Med.* 14(1):90-110. Ref. Feb. 1966. 450 P697
- 7612 GEORGIEV, E. The effect of climatic conditions on the growth, yield and quality of anise (*Pimpinella anisum*). (Bu) *Rastenievodni Nauk.* 2(3):81-91. Ref. 1965. 64.8 R18
English summary.
- 7613 GRUSHVITSKII, I. V. Effect of gibberellins on seed germination and development of young *Panax schinseng* plant. (Rus) *Akad. Nauk. SSSR. Izv. Ser. Biol.* 3:423-427. 1965. 511 Sa2B
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:44. Aug. 1965. Film S-202
- 7614 HASHIZUME, A., and SAKATO, Y. Studies on the saponin from the leaf of *Thea sinensis* L. I. Isolation of the saponin from the leaf *Thea sinensis* L. and its properties. (Ja) *Agr. Chem. Soc. Jap. J.* 40(1):8-12. Ref. 1966. 385 Ag8
English summary.
- 7615 HAUTKE, P. The effect of the pollination of hops on the quality of strobiles. (Cz) *Chmelarstvi* 38(7):102-103. July 5, 1965. 70.8 C33
- 7616 HELLYER, R. O., and MCKERN, H. H. G. The volatile oils of the genus *Eucalyptus* (family Myrtaceae). IV. The leaf oils of *E. Amplifolia* Naudin and *E. kitsoniana* Maiden. *Australian J. Chem.* 19(8):1541-1543. Aug. 1966. 475 Au73
- 7617 HIGUCHI, T. Role of phenylalanine deaminase and tyrase in the lignification of bamboo. *Agr. Biol. Chem.* 30(7):667-673. July 1966. 385 Ag8B
- 7618 KASIVISWANATHAN, K., and SITARAMA IYENGAR, M. N. Preliminary observations on varietal cum irrigational response to different levels of "N" on the seasonal and total yield of mulberry leaf. *Indian J. Sericult.* 4(4,i.e.2):22-33. July/Dec. 1965. 425.8 In2
- 7619 MAKOVEC, K. The moisture regime of hop strobiles in relation to atmospheric conditions. (Cz) *Chmelarstvi* 38(12):192-193. Dec. 5, 1965. 70.8 C33
- 7620 PENEVA, P. TS. Variability of active substances in drug plants. (Bu) *Priroda [Sofia]* 14 (5):53-56. Sept./Oct. 1965. 410 P934
- 7621 SACCO, T. Comparative considerations on *Mentha viridis* (L.) L. cultivar x *lavanduliflora* Sacco n. cult. grown in Italy and Brazil. (It) *Riv. Ital. Essenze - Profumi - Piante Offic. - Aromi - Saponi - Cosmet. - Aerosol* 48(6):360-362. June 1966. 308.8 R52
English summary.
Oil content.
- 7622 SALIM, K. M. Relationship between linear growth and the distance of initiation of lignification behind the root-tip in *Lepidium sativum* L. *J. Expt. Bot.* 17(51):185-194. Ref. May 1966. 450 J8224
- 7623 SCORRA, R. W. Contribution to the study of the essential leaf oils in *Severinia buxifolia* (Poir.) Tenore. *Phytochemistry* 5(4):823-825. July 1966. 450 P5622
- 7624 SPECHT, R. L., and GROVES, R. H. A comparison of the phosphorus nutrition of Australian heath plants and introduced economic plants. *Australian J. Bot.* 14(2):201-221. Ref. July 1966. 450 Au72
- 7625 VON RUDOLFF, E., and HEFENDEHL, F. W. Gas-liquid chromatography of terpenes. XV. The volatile oil of *Mentha arvensis* var. *glaberrima* Ray. *Can. J. Chem.* 44(17):2015-2022. Ref. Sept. 1, 1966. 470 C16B
- 7626 VOROB'YEV, P. P. Assimilation activities of *Panax* under different light condition (accumulation of carbon in leaves). (Rus) *AN SSSR. Dal'n'evost. Fil. Sib. Otd. Soobshch.* 23:29-33. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:39. Aug. 1965. Film S-202
- Physiology and Biochemistry of Forest Trees
- 7627 ANISIMOVA, K. I., and others. Larch as a source several useful substances. (Rus) *Rastitel. Resursy* 1(1):74-83. Ref. 1965. 450 R18
S. D. Antonovskii, L. A. Beloserva, A. F. Zaitseva, and S. D. Steinbok, joint authors.
- 7628 ARMSTRONG, K. A. Seasonal patterns of nutrient absorption by forest trees. N. *Amer. Forest Soils Conf. Forest-Soil Relat. N. Amer. Pap.* 1963:65-75. Ref. 1965. SD118.N6
- 7629 BOYER, W. D. Longleaf pine (*Pinus palustris*) pollen dispersal. *Forest Sci.* 12(3):367-368. Sept. 1966. 99.8 F7632
- 7630 BRINAR, M. Beech varieties and their physiological and technological properties. (SI) *Gozdarski Vest.* 23(9/10):257-288. Ref. 1965. 99.8 G74
German summary.

- 7631 CARRODUS, B. B. Absorption of nitrogen by mycorrhizal roots of beech, I. Factors affecting the assimilation of nitrogen. New Phytol. 65(3):356-371. Ref. July 1966. 450 N42
- 7632 CHIA, C. C. A study of the shade-tolerance of *Pinus koraiensis* Sieb. et Zucc. (Ch) *Scientia Silvae* 10(3):273. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:11. Feb.23,1966. (JPRS 34,245; TT 66-30886) 241.7 Un34C
- 7633 CHITASHVILI, S. SH. Light-photosynthetic curves of forest-forming tree species in the mountain of Georgia. (Rus) *Bot. Zhur.* [Moscow] 51(5):720-723. Ref. May 1966. 451 R923
- 7634 CLAUSEN, J. J., and KOZLOWSKI, T. T. Effect of atrazine on water relations of needles of white spruce [*Picea glauca*] nursery stock. *Forest Sci.* 12(3):338-341. Sept.1966. 99.8 F7632
- 7635 CONSTABEL, F., KIRSTEN, G., and STEINER, M. The free amino acids in tissue cultures of *Juniperus communis* L. (Ge) *Deut. Bot. Ges. Ber.* 78(8):348-353. Ref. 1965. 451 D48
- 7636 CRITCHFIELD, W. B. Phenological notes on Latin American *Pinus* and *Abies*. *Arnold Arboretum J.* 47(4):313-318. Ref. Oct.1966. 451 Ar6J
- 7637 DAKOV, M., VUCHOVSKI, KH., and GARELKOV, D. Some peculiarities of formation and development of young beech trees. (Bu) *Gorsko Stanstvo* 22(6):4-10. June 1966. 99.8 G682
- 7638 DIMITROV, KH. Study of water consumption and transpiration in some forest trees and shrubs. (Bu) *Gorskostopanska Nauk.* 3(3):179-187. Ref. 1966. 99.8 G683
German summary.
- 7639 FARMER, R. E. Variation in time of flowering and seed dispersal of eastern cottonwood [*Populus deltoides*] in the lower Mississippi Valley. *Forest Sci.* 12(3):343-347. Sept.1966. 99.8 F7632
- 7640 FORD, J., and PEEL, A. J. The contributory length of sieve tubes in isolated segments of willow, and the effect on it of low temperatures. *J. Exp. Bot.* 17(52):522-533. Aug.1966. 450 J8224
- 7641 FRANKLAND, B. Hormonal regulation of seed dormancy in hazel (*Corylus avellana* L.) and beech (*Fagus sylvatica* L.). *J. Exp. Bot.* 17(52):596-611. Aug.1966. 450 J8224
- 7642 GAGNON, J. D. The lichen *Lecidea granulosa* a favorable culture medium for the germination of black spruce [*Picea mariana*]. (Fr) *Natur. Can.* 93(2):89-98. Ref. Mar./Apr.1966. 410 N216
English summary.
- 7643 GANCHEV, P. On certain biological peculiarities of interspecific poplar hybrids. (Bu) *Rastenievudni Nauk.* 3(5):3-16. Ref. 1966. 64.8 R18
English summary.
- 7644 HELLMERS, H. Growth response of redwood [*Sequoia sempervirens*] seedlings to the temperature. *Forest Sci.* 12(3):276-283. Ref. Sept.1966. 99.8 F7632
- 7645 HUANG, Y. T. A lecture on pinetree. (Ch) *Shengwuxue Tongbao* 1:56. Jan.1966. 442.8 Sh4
Physiology.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 52:15. Mar.11,1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 7646 IGNATENKO, M. M. Flowering of *Pinus sibirica* Mayr at an early age. (Rus) *Bot. Zhur.* [Moscow] 51(2):277-278. Feb.1966. 451 R923
- 7647 IVANOV, A. F., PONOMAREVA, A. V., and DERYUGINA, T. F. Otnoshenie drevesnykh rastenii k vlazhnosti i kislotnosti pochvy [Relation of trees to moisture and soil acidity]. Minsk, Nauka i Tekhnika, 1966. 232 p. Ref. QK938.F619
- 7648 KARANDINA, S. N. Rost i razvitiye duba v padnukh Zapadnogo Kazakhstana; biologicheskie i ekologicheskie svoystva dubov rannei i pozdnei ras [Growth and development of oak in gullies of western Kazakhstan; the biological and ecological properties of oaks of early and late varieties]. Moskva, Nauka, 1966. 83 p. Ref. SD397.O12K3
- 7649 KOLESNICHENKO, M. V. Biochemical conformity of woody species when combined in a forest stand. (Rus) *Les. Zh.* 6:3-6. Ref. 1964. 99.8 I28
Allelopathy.
- 7650 LI, W. Y., WEI, F. L., and HUANG, W. K. Studies of the law of annual growth and development of *Populus davidiana* Dode. (Ch) *Chungkuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an* 2:115-133. Aug.1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 32:15. Mar.23,1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
Issued by CFSTI.
- 7651 LIU, H. C. Germination hastening test for the seed of *Corylus heterophylla*. (Ch) *Sci. Silvae* 10(2):175-177. Apr.1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 8:11. Nov.5,1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 7652 MCLEMORE, B. F. Temperature effects on dormancy and germination of loblolly pine [*Pinus taeda*] seed. *Forest Sci.* 12(3):284-289. Ref. Sept.1966. 99.8 F7632
- 7653 MENTZER, C., and CRONENBERGER, L. Biochemistry of the sap of the wild cherry tree, *Prunus avium*. 11 p. Ref. *Transl.* 15477
Translation from Societe de Chimie Biologique. *Bulletin* 37:371-382. 1955.
- 7654 MILLER, W. F. Seasonal discoloration of loblolly pine [*Pinus taeda*] foliage. *Forest Sci.* 12(3):296-297. Sept.1966. 99.8 F7632
- 7655 MONK, C. D. Effects of short-term gamma irradiation on an old field. *Radiat. Bot.* 6(4):329-335. Aug.1966. 450 R11
Physiological study of *Pinus*.
- 7656 NAIDENOVA-YANEVA, TS. The effect of certain factors on the growth of the root system of *Populus regenerata*. (Bu) *Gorskostopanska Nauk.* 3(2):113-122. 1966. 99.8 G683
English summary.
- 7657 NIENSTAEDT, H. Dormancy and dormancy release in white spruce [*Picea glauca*]. *Forest Sci.* 12(3):374-384. Ref. Sept.1966. 99.8 F7632
- 7658 PENKA, M. Choice of methods of determining transpiration in the seedlings of forest trees. (Cz) *Brno, Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnicke* 4:257-280. Ref. 1965. 105.92 B833
English summary.
Gravimetry.
- 7659 PERRY, T. O., and BALDWIN, G. W. Winter breakdown of the photosynthetic apparatus of evergreen species. *Forest Sci.* 12(3):298-300. Sept.1966. 99.8 F7632
Pinus taeda.
- 7660 POSPISIL, J. A new type of germinator for determination of the germination of oak trees. (Cz) *Brno, Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnicke* 1:3-8. 1966. 105.92 B833
English summary.
- 7661 RALSTON, C. W., and PRINCE, A. B. Accumulation of dry matter and nutrients by pine and hardwood forests in the lower Piedmont of North Carolina. *N. Amer. Forest Soils Conf. Forest-Soil Relat. N. Amer. Pap.* 1963:77-93. Ref. 1965. SD118.N6
- 7662 SAKAI, A. Survival of plant tissue at super-low temperatures. IV. Cell survival with rapid cooling and rewarming. *Plant Physiol.* 41(6):1050-1054. Ref. June 1966. 450 P692
Morus.
- 7663 SIGAFOOS, R. S., and SIGAFOOS, M. D. Flood history told by tree growth. *Natur. Hist.* 75(7):50-55. Aug./Sept.1966. 500 N483J

- 7664 SOPKO, R. The biosynthesis of precursors of aromatic lignin. (Cz) Drevarsky Vyskum 2:75-90. Ref. 1966. 99.82 D612
English summary.
- 7665 STEWART, C. M. Excretion and heartwood formation in living trees. Science 153(3740): 1068-1074. Ref. Sept.2,1966. 470 Sci2
- 7666 VOIGT, G. K. Phosphorus uptake in young pitch pine (*Pinus rigida* Mill.). Soil Sci. Soc. Amer. Proc. 30(3):403-406. Ref. May/June 1966. 56.9 So3
- 7667 VOLNA, M., and HAUCK, O. A contribution to the question of natural layers of spruce (*Picea excelsa* L.). (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnické 2:151-159. Ref. 1966. 105.92 B833
English summary.
- 7668 WASEL, Y., NOAH, I., and FAHN, A. Cambial activity in *Eucalyptus camaldulensis* Dehn. II. The production of phloem and xylem elements. New Phytol. 65(3):319-324. Ref. July 1966. 450 N42
- 7669 WALKER, L. C., and LEISER, A. Fertilizers applied to natural regeneration. *Castanea* 30 (4):231-237. Dec.1965. 450 S082
Effects on survival and growth of *Pinus taeda* seedlings.
- 7670 ZEROVA, M. YA., and ROZHENKO, H. L. *Entoloma erophilum* (FR.) Karst. and *E. sericeum* (Bull.) Quel.—mycorrhizal symbionts of the oak. (Uk) Ukr. Bot. Zh. 23(4):87-90. 1966. 450 J8212J
English summary.
- AGRONOMY (FIELD CROPS)
- 7671 ALESTALO, J. Die Anbaubgebiete von Ackerpflanzen in Finnland [On the areas for culture of field crops in Finland]. *Fennia* 92(4), 36 p., map. Ref. 1965. 511 H367
- 7672 BURROWS, P. M. Estimation of multiple missing values in standard experimental designs. Rhodesia Zambia Malawi J. Agr. Res. 4(1):45-47. Jan.1966. 24 R3472
- 7673 BUTNAR, J. Six years of the Faculty of agronomy in Maribor. (Sl) Soc. Kmetijstvo Gozdarstvo 17(6):140-141. Apr.25,1966. 21.5 S04
- 7674 CAPATA, M., and DUMITRU, V. Determination of the rise of mean production per hectare under the effect of agricultural practices. (Rum) Rev. Statist. 15(5):27-35. May 1966. 267.8 St22
Statistical research method of field crops.
- 7675 EICH, D. The influence of catch crop culture on the yield of following crop and rotation as well as measurable soil properties. (Ge) Feldwirtschaft 7(6):295-298. June 1966. 18 W763
- 7676 INSTYTUT UPRAWY, NAWOZENIA I GLEBOZNAWSTWA. Zarys dzialalnosci w latach 1950-1965 [Outline of activities of the Institute of Tillage, Fertilization and Soil Science in 1950-1965]. Warszawa, Panstwowe Wydawnictwo Rolnicze i Lesne, 1965. 207 p. S590.152
Chiefly field crop research.
- 7677 LAWRENCE, A. J. L. Plant breeding at Cambridge. Great Brit. Min. Agr. Fish. S. Food. Agr. 73(7):329-331. July 1966. 10 G79J
Grain, kale, and sugar beets.
- 7678 LEONARD, W. H., and REEVES, D. L. General field crops laboratory manual. Ed. 6. Minneapolis, Burgess, 1965. 102 p. Ref. SB135.L4
Chiefly on varietal characteristics.
- 7679 MOLCHADSKAYA, S. R. Crops without rotation grown on experiment plots of Kuibyshev Agricultural Institute. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:55-59. 1965. Not in Libr.
Field crops.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:12. Aug.1965. Film S-202
- 7680 PODOLAK, J. The culture of field crops and livestock husbandry in Slovakia from the mid 19th to the mid 20th century. (Cz) Agrikultura 4:29-77. Ref. 1965. 19.5 Ag8
German summary.
- 7681 RUBIN, S. S., DANYLEVS'KY, O. P., and CHAPALDA, N. I. Accumulation in soil of root and stubble residues and nutrient matters in different grain-beet rotations. (Uk) Viskyi Sil's'kohospodar. Nauk 6:31-36. June 1965. 20 V82
Russian summary.
- 7682 SHANIN, I. Concerning the method of carrying out field experiments with predecessors and the compatibility and self-compatibility of the crops. (Bu) Rastenievudni Nauk. 2(4):119-128. 1965. 64.8 R18
English summary.
Rotation of crops.
- 7683 STUPAKOV, V. P., and KALLER, L. M. Specialization and rotations of crops. (Uk) Viskyi Sil's'kohospodar. Nauk. 6:3-7. June 1965. 20 V82
Russian summary.
- 7684 SURINAM, LANDBOUWPROEFSTATION. Jaarverslag [Annual report], 1965. Surinam. Landbouwprefsta. Mededel. 40,91 p. Aug. 1966. 102.5 D95
English summary.
Chiefly research in agronomy and soil science.
- 7685 TAI, M. Problems of combining tobacco-growing and grain-farming in the Province of Kwangtung. (Ch) Zhongguo Nongbao 12:40-41. 1964. 22.5 C473
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:44. Apr.11,1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
- 7686 WAGENINGEN, INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Jaarverslag [Annual report of the Institute for Research on Varieties of Field Crops], 1964. Wageningen, 1965. 56 p. 64.9 W12Ja
Cereals
- 7687 ABRAMOVA, Z. V., and PROKOF'EV, A. D. Change of winter wheat, obtained by directed breeding from the spring variety Diamond. (Rus) Leningr. Sel's'khoz. Inst. Zap. 90(6): 5-13. 1965. 106 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:6. Aug.1965. Film S-202
- 7688 ANPLOGOV, M. Z. Initial material for selection of corn resistant to smut. (Rus) Leningr. Vses. Inst. Rastenievod. Sb. Tr. 1:53-58. 1964. 20 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:7. Aug.1965. Film S-202
- 7689 ARORA, P. N., and RAHEJA, P. C. Studies in crop rotations. VII. Comparative performance of maize crop in various rotations. Indian J. Agron. 10(4):425-429. Ref. Dec.1965. 22 In235
- 7690 AVDEEVA, M. I. Orlovskii rye hybrids. (Rus) Selekt. Semendostvo 1:67-69. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:16. Aug.1965. Film S-202
- 7691 BAINES, A. H. J. Estimating cereal yields. Great Brit. Min. Agr. Fish. Food. Agr. 73(8): 352-356. Aug.1966. 10 G79J
Wheat, barley, and oats.
- 7692 CALDWELL, R. M., and others. Benhur soft red winter wheat, early and resistant to diseases and Hessian fly. Ind. Agr. Exp. Sta. Res. Progr. Rep. 257.4 p. June 1966. 100 In2Re
L. E. Compton, F. L. Patterson, J. F. Schafer, and R. L. Gallun, joint authors.
U. S. Department of Agriculture, cooperating. Mayetiola destructor.
- 7693 CALDWELL, R. M., and others. Registration of Decatur barley. Crop Sci. 6(4):387. July/Aug.1966. 64.8 C883
L. E. Compton, F. L. Patterson, and J. F. Schafer, joint authors.
- 7694 CALDWELL, R. M., and others. Registration of Harrison barley. Crop Sci. 6(4):387. July/Aug.1966. 64.8 C883
L. E. Compton, F. L. Patterson, and J. F. Schafer, joint authors.

- CH'EN, W. C. A study of problem in the breeding of triticale. I. Hybridization affinity of wheat and rye and major characteristics of triticale. (Ch) Tso Wu Hsueh Pao 4(4):409-424. Nov.1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:71-72. Mar.2,1966.
(JPRS 34,362; TT 66-30802) 241.7 Un34C
- CHEREMISOVA, T. D. Results of the studies on winter wheat collection under conditions of the Moscow Region. (Rus) Vses. In-t Rastenievodstva. Mosk. Otd. Tr. 1:75-105. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:17. Aug.1965. Film S-202
- CHINESE ACADEMY OF AGRICULTURAL SCIENCES. INSTITUTE OF CROP CULTIVATION. A preliminary summarization of the scientific technique of high-yield wheat in 1965. (Ch) Tso Wu Hsueh Pao 4(4):291-298. Nov.1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:58-59. Mar.2,1966.
(JPRS 34,362; TT 66-30802) 241.7 Un34C
- COMEL, A. Prove dimostrative di confronto fra mais ibridi precoci in seconda coltura e cinquantini [Comparative tests with second crop early hybrid corns and "Cinquantini"]. Udine. Sta. Chim.-Agr. Sper. Pubbl. 75,9 p. 1965. 385 Ud5
- COSTER, H. E. The conduct and organization of grain harvesting and forage stubble crop production on the Lindenhof Seed Production State Farm [VEG Saatzucht Lindenhof]. (Ge) Feldwirtschaft 7(7):347-348. July 1966. 18 W763
- CRINER, D. Growing and harvesting winter wheat. Org. Gard. Farming 13(10):38-39. Oct.1966. 57.8 Or32
- DOGGETT, H. A history of the work of the Mwabagole Rice Station, Lake Province, Tanzania. East Afr. Agr. Forest. J. 31(1):16-20. July 1965. 24 Ea74
- DOGGETT, H., and JOWETT, D. Yields of maize, sorghum varieties and sorghum hybrids in the East African Lowlands. J. Agr. Sci. [London] 67(1):31-39, map. Ref. Aug.1966. 10 J822
Grain sorghum.
- DREIER, A. F., and others. Nebraska varietal tests of fall-sown small grains, 1966. N-br. Agr. Exp. Sta. Outstate Testing Circ. 123,24 p., map. Aug.1966. 100 N270
J. W. Schmidt, P. H. Grabouski, and L. A. Daigger, joint authors.
Wheat, barley, and rye.
- EBELTOFT, D. C., and LUND, H. R. Wyndmere, Dawn, two new early, high yielding oat varieties. N. Dak. Farm Res. 24(5):15-17. May/June 1966. 100 N813B
- EMMERIKH, F. D., RUBIN, A. S., and FEDOROVA, L. I. Results of the four year studies of spring barley collections. (Rus) Vses. In-t Rastenievodstva. Mosk. Otd. Tr. 1:175-186. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:19. Aug.1965. Film S-202
- EUROPEAN BREWERY CONVENTION. BARLEY COMMITTEE. Report; trials, 1964. Rotterdam, 1965. 173 p. 59.9 Eu72
Variety trials.
- FEOFILATOVA, T. N. Corn hybrid Donetskii 1. (Rus) Selek. Semenovodstvo 2:64-65. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:17. Aug.1965. Film S-202
- FIDDIAN, W. E. H. Yield and the pattern of growth in cereals. Farming Progr., Oct.1965: 1-2. 10 F2244
- FOMIN, G. V. Morphological and physiological analysis of selection of corn. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:172-176. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:6. Aug.1965. Film S-202
- GALE, A., BARNES, O. K., and ALLEY, H. P. Effects of methods of summer fallowing on winter wheat yields. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 214,6 p. Dec.1965. 100 W99M
- GAUTAM, O. P., and SHAH, V. H. Effect of piercing maize stalks on the cob formation and grain yield. Indian J. Agron. 10(4):423-424. Dec.1965. 22 In235
- GENCHEV, G., and others. Importance of the various testers for determining the combining ability of self-pollinated corn lines. (Bu) Rastenievodni Nauk. 2(2):11-25. 1965. 64.8 R18
V. Vulchinkov, G. Naidenov, and A. Sevov, joint authors.
English summary.
Hybrids as testers.
- GORLACH, A. A. Breeding winter wheat resistant to cold. (Uk) In Prychyny zahybeli tsilyakhy pidvyshch. zymostyik. ozymnykh kul'tur na Ukraini 1964:78-86. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:9. Aug.1965. Film S-202
- GRAFIUS, J. E. Rate of change of lodging resistance, yield, and test weight in varietal mixtures of oats, Avena sativa L. Crop Sci. 6(4):369-370. July/Aug.1966. 64.8 C883
- HASSELBACH, O. E. The introduction of lodging resistant rice varieties in peasant agriculture. (Du) Surinaamse Landbouw 14(1/2):45-55. 1966. 9.6 Su7
English summary.
- HAUN, C. R., and others. Registration of Saw-mont wheat. Crop Sci. 6(4):392. July/Aug. 1966. 64.8 C883
E. R. Hehn, L. E. Wallace, and J. R. Welsh, joint authors.
- HOLMBERG, S. A. Requirements of Mid Sweden in grain varieties. (Sw) Holmberg (Algot) Arsbo, 1965:9-10. 86 H73
- HOLMBERG, S. A. Variety trials 1965. (Sw) Holmberg (Algot) Arsbo, 1966:2-3. 86 H73
Grain.
- ISHIDA, Y., CHIKURA, S., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. II. The direct sowing rice culture on dry field by the efficient use of large-sized farm machinery and some problems. 4 p. Transl. 16192
Translation from Kyushu Agricultural Research 27:29. July 1965.
- ISHIDA, Y., MORIYAMA, Y., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. III. On the broadcast sowing culture of rice in submerged field. 4 p. Transl. 16191
Translation from Kyushu Agricultural Research 27:31. July 1965.
- IVANKOV, V. F., and GLUKHOVITSEVA, N. I. Breeding spring wheat resistant to brown rust. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:202-207. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:9. Aug.1965. Film S-202
- IVANOV, A. P., and STRUTSOVSKAYA, E. S. Possible use of wheat X rye hybrids in selection of winter wheat resistant to diseases. (Rus) Leningr. Vses. Inst. Rastenievod. Sb. Tr. 1:27-29. 1964. 20 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:8. Aug.1965. Film S-202
- JELLUM, M. D. Corn performance trials and acreage in Georgia. Ga. Agr. Res. 8(1):6-8, map. Summer 1966. 100 G295
Hybrids.
- JENSEN, N. F. Broadbase hybrid wheats. Crop Sci. 6(4):376-377. July/Aug.1966. 64.8 C883
- KANDAUROV, V. I. Possibilities for development of winter wheat culture in the virgin land. (Rus) Vses. N.-I. In-t Zern. Kh-va Tr. 2:149-154. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:6. Aug.1965. Film S-202

- 7726 KARAIVANOV, A. Trials with certain Rumanian and American wheat varieties in the area of the "Obraztsov Chiflik" Agricultural Research Institute [Selskospokanskiya Nauchno-izsledovatel'ski Institut, Obraztsov Chiflik] near the town of Ruse. (Bu) Rastenievudni Nauk. 2(2):101-107. 1965. 64.8 R18
English summary.
- 7727 KHOD'KOV, K. E. New awnless barley varieties. (Rus) Leningrad. Un-t. Vestn. 3:66-72. 1965. 511 L549
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:16. Aug. 1965. Film S-202
- 7728 KHOTYLEVA, L. V. Selektsiya gibridnoi kukuruzy [Breeding of corn hybrids]. Minsk, Nauka i Tekhnika, 1965. 167 p. Ref. SB191.M2K45
- 7729 KOLP, B. J. Spring oat varieties for Wyoming, 1966-1967. Wyo. Agr. Exp. Sta. Bull. 439, 14 p. Feb. 1966. 100 W99
- 7730 KOLP, B. J. Spring wheat varieties for Wyoming, 1966-1967. Wyo. Agr. Exp. Sta. Bull. 440, 14 p. Feb. 1966. 100 W99
- 7731 KOYAMA, T., and others. Studies on the direct-sowing rice culture in warmer regions. 14 p. Transl. 16183
K. Inoue, S. I. Abe, S. Ishihara, T. Takezono, and H. Hiraoka, joint authors.
Translation from Kyushu Nogyo Kenkyu 27: 24-27. July 1965.
- 7732 KOZUBENKO, V. E., and KHUODOERKO, V. I. Improving seed quality of corn by selection. (Rus) Selekt. Semenovodstvo 1:60-64. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:7. Aug. 1965. Film S-202
- 7733 KRESS, H. Problems of further intensification of grain production in the D.D.R. (Ge) Feldwirtschaft 7(7):342-343. July 1966. 18 W763
- 7734 KUZ'MIN, V. P. Selektsiya i semenovodstvo zernovykh kul'tur v tsel'nom krae Kazakhstana [Breeding and growing of grain seeds in virgin land of the Kazakhstan]. Moskva, Kolos, 1965. 198 p. Ref. SB192.K3K8
- 7735 KUZNETSOVA, N. A. Some results of spring wheat selection. (Rus) Kuibyshevsk. S.-Kh. In-t Izv. 14:197-201. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:6. Aug. 1965. Film S-202
- 7736 LEBSOCK, K. L., GROUGH, F. J., and STIBITT, L. D. Leeds, a rust resistant, largekerneled durum. N. Dak. Farm Res. 24(5):9-14. May/June 1966. 100 N813B
- 7737 LEKES, J. Evaluation of important economic and biologic properties of spring barley varieties of the world assortment. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(2):55-66. Apr. 1965. QH431.A1S25
English summary.
- 7738 LIANG, G. H. L., HEYNE, E. G., and WALTER, T. L. Estimates of variety x environmental interactions in yield tests of three small grains and their significance in the breeding programs. Crop Sci. 6(2):135-139. Mar./Apr. 1966. 64.8 C883
Wheat, barley and oat.
- 7739 LINDEGAARD, J. Culture of winter grain. (Da) Landbonyt 20(9):294-296, 300. Sept. 1966. 11 L2322
- 7740 LONGO, G. Grain sorghum in irrigated culture. (It) Prog. Agr. [Bologna] 12(6):565-576. June 1966. 58.8 P64
Cultural methods.
- 7741 LOUISIANA, AGRICULTURAL EXPERIMENT STATION. 57th annual progress report, Rice Experiment Station, Crowley, Louisiana, 1965. n.p., 1965. 236 p. 100 L93
U. S. Department of Agriculture, cooperating.
- 7742 MEDVEDEV, A. M. Planting wheat after occupied fallows on the left bank of Kuibyshev Region. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:36-39. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:15. Aug. 1965. Film S-202
- 7743 MERWINE, N. C. Grain sorghum varieties. Miss. Agr. Exp. Sta. Inform. Sheet 921, 2 p. Mar. 1966. 100 M69In
- 7744 MOLL, R. H., and ROBINSON, H. F. Observed and expected response in four selection experiments in maize. Crop Sci. 6(4):319-324. Ref. July/Aug. 1966. 64.8 C883
- 7745 MORASZ, S. The most frequent preceding crops of wheat. (Hu) Magyar Mezőgazdaság 21(31):7. Aug. 3 1966. 19 M27
- 7746 MORR, O., and SOGIN, L. Sakorn av egen avl [Home grown seed grain]. Norway. Landbruksdep. Opplysningsstjenesten. Smaskr. 4, 8 p. 1966. 464.4 N63
- 7747 MUKHIN, N. D., and PUGACHOVA, T. I. Selective study of tetraploid winter rye under conditions of the Belorussia. (Be) Minsk Belorusskaya Akad. Nauk. Vestsi. Ser. Sel'skhaupadachykh Navuk 1:48-52. 1965. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:11. Aug. 1965. Film S-202
- 7748 PERRY, C. E., BEATY, E. R., and BROOKS, O. L. How method of harvest influences total yield, grain yield, and harvest time of corn. Ga. Agr. Res. 8(1):4-5. Summer 1966. 100 G295
- 7749 PFEIFER, R. P. Hybrid wheat looks promising. Sci. Farmer [Penn. Sta.] 13(4):3. Summer 1966. 100 P381S
- 7750 PINZARIU, D., COSTACHE, I., and DUMITRESCU, N. Cultural practices for the corn stands in the forest steppes of the Jijia-Bahlui plain. (Rum) Probl. Agr. [Bucharest] 18(6):52-59. June 1966. 21 R862
- 7751 POPOVA, G. M. Increasing resistance of early planted spring wheat to lodging and crumbling. (Rus) Leningr. Sel'skokhoz. Inst. Zap. 90(6):33-38. 1964. 106 L543
Proper planting date.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:14. Aug. 1965. Film S-202
- 7752 PUKALOV, B. P. Using selection methods to improve biochemical content of corn. (Rus) Kishinevskii Sel'skokhoz. Inst. im M. V. Frunze. Trudy 34(2):117-126. 1964. 106 K64
Proteins.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:7. Aug. 1965. Film S-202
- 7753 PUKHAL'SKII, A. V. Polish wheat as initial material for selection. (Rus) Vses. In-t Rastenievodstva. Mosk. Otd. Tr. 1:8-74. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:6. Aug. 1965. Film S-202
- 7754 REMESLO, V. M., OSTAPLYUK, E. D., and SHMAT'KO, I. G. Methods of breeding and physiological evaluation of high productive, cold resistant winter wheat varieties. (Uk) In Prychyny zabyhlyi ta shlyakhy pidvyshch. zymostik. ozymnykh kul'tur na Ukraini 1964:74-77. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:9. Aug. 1965. Film S-202
- 7755 RUDORF, W. The principles and methods of breeding convergent varieties with differential genetics of resistance; breeding for resistance with the prospect of a lasting effect. (Ge) Z. Pflanzenzucht. 54(1):6-22. Ref. Oct. 1965. 450 Z36
English summary.
Disease and pest resistance in grain.
- 7756 RUZICKA, F. Possibilities of the utilization of record parents for breeding purposes. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):75-76. Jan. 1966. QH431.A1S25
Grain.
- 7757 SAZANOV, V. I., and MEDVEDEV, V. K. Study of corn varieties and breeding of their hybrids. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:167-171. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:7. Aug. 1965. Film S-202
- 7758 SEMENKO, N. I. Selecting winter wheat resistant to rust. (Rus) Selekt. Semenovodstvo 1:47-51. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:8. Aug. 1965. Film S-202
- 7759 SEVOV, A. Native corn varieties, a valuable initial material for the creation of inbred lines with a high combining capacity. (Bu) Rastenievudni Nauk. 2(3):3-13. 1965. 64.8 R18
English summary.

- 7760 SHANDS, H. L., and FORSBERG, R. A. Registration of Garland oats. *Crop Sci.* 6(4):389. Ref. July/Aug.1966. 64.8 C883
- 7761 SHANDS, H. L., PAWLISCH, P. E., and ARAWINKO, Z. M. Registration of Goodfield oats. *Crop Sci.* 6(4):387-388. Ref. July/Aug.1966. 64.8 C883
- 7762 SHANDS, H. L., and FORSBERG, R. A. Registration of Lodi oats. *Crop Sci.* 6(4):389-390. Ref. July/Aug.1966. 64.8 C883
- 7763 SHANDS, H. L., ARAWINKO, Z. M., and FORSBERG, R. A. Registration of Portage oats. *Crop Sci.* 6(4):388. July/Aug.1966. 64.8 C883
- 7764 SHANDS, R. G. Registration of Lathrop wheat. *Crop Sci.* 6(4):391. July/Aug.1966. 64.8 C883
- 7765 SHCHELOKOVA, Z. L., and others. Directed formation of hardness in corn. (Rus) *Selekt. Semenovodstvo* 2:49-51. 1965. 61.9 Se5
O. B. Simonova, S. A. Belova, and K. Ya. Belokopytova, joint authors.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:5-6. Aug.1965. Film S-202
- 7766 SHEN, T. T., LU, T. T., and LI, J. S. Genetic analysis of some of the characteristics of the early maturing and short stalk rice varieties. (Ch) *Tso Wu Hsueh Pao* 4(4):391-402. Nov. 1965. 64.8 T78
Rice breeding in China.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:69. Mar.2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 7767 SHIMIZU, T., and UENO, Y. Studies on yield-forecast in main crops. 13. Regional variation of the productivity of paddy rice in the Chugoku district. (Ja) *Crop Sci. Soc. Japan. Proc.* 35(1/2):24-28, map. Aug.1966. 22.5 C88
English summary.
- 7769 SILC, J. Tests with varieties of spring barley and oats during 1965. (Sl) *Soc. Kmetistvo Gozdarstvo* 17(3):68-69. Feb.24, 1966. 21.5 So14
- 7769 SIMON, F. Wheat-rye hybrid breeding. (Hu) *Magyar Mezogazdasag* 21(28):11-12. July 13, 1966. 19 M27
- 7770 SINGH, R., and BOSE, P. K. A note on performance tests on maize hybrids in Kosi River Belt. *Indian J. Agron.* 10(4):435-436. Dec. 1965. 22 In235
- 7771 SJEKLOCA, D. Climatic conditions and yields of wheat varieties on the collective sector of production during 1963/1965 on territory of the Doboj district. (Se) *Poljoprivredni Pregl.* 14 (11/12):475-479. Nov./Dec.1965. 21.5 P753
- 7772 SKAARE, S. Row spacing in grain planting. (No) *Norsk Landbruk* 6:22. Mar.25, 1966. 11 N8122
- 7773 SLUSANSCHI, H., and others. The effect of wheat maturity at harvest time on its technological characteristics. (Rum) *Probl. Agr.* [Bucharest] 18(6):4-13. Ref. June 1966. 21 R862
E. Boldea, E. Oproiu, and L. Cernescu, joint authors.
English summary.
- 7774 SOKOLOV, B. P., and MAKARENKO, I. T. New high-yielding corn hybrid Dneprovskii 90T. (Rus) *Selekt. Semenovodstvo* 1:69-70. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:17. Aug.1965. Film S-202
- 7775 SU-CHOU SPECIAL DISTRICT INSTITUTE OF AGRICULTURAL SCIENCES. Visual diagnosis of Nung-K'en 58 of high-yield rice culture. (Ch) *Tso Wu Hsueh Pao* 4(4):361-367. Nov. 1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:65-66. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 7776 TERENT'EV, E. G. Results of the study of heterosis in corn hybrids. (Rus) *Kuibyshevsk. S.-Kh. In-t. Izv.* 14:177-183. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:1. Aug.1965. Film S-202
- 7777 TODA, S., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. I. Outline of research at test farm. 3 p. *Transl.* 16179 Translation from Kyusuu Agricultural Research, No. 27. July 1965.
- 7778 TOMOROGA, P., IANCU, C., and NEGOTTA, V. Response of double hybrid corn grown in Dobruja and its cultural practices. (Rum) *Probl. Agr.* [Bucharest] 17(5):88-99, map. May 1966. 21 R862
Includes yields.
- 7779 TURNER, D. J. An investigation into the causes of low yield in late-planted maize (studies undertaken at the Central Research Centre, Ilonga, Tanganyika). *East Afr. Agr. Forest. J.* 31(3):249-260. Ref. Jan.1966. 24 Ea74
- 7780 VLACH, M. Origins and breeding of spring wheat abroad. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 1(4):67-78. Ref. Oct.1965. QH431.A1S25
English summary.
- 7781 VLACH, M. A study of the mutual relationship of the most important properties of spring wheats. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 2(1):11-21. Ref. Jan. 1966. QH431.A1S25
English summary.
- 7782 WANG, T. A report of high-yield culture of paddy rice in Ninghsia. (Ch) *Tso Wu Hsueh Pao* 4(4):381-389. Nov.1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:68. Mar.2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 7783 YORK, J. O. Dwarf corn—a reality. *Ark. Farm Res.* 15(4):12. July/Aug.1966. 100 Ar42F
Hybrids.
- 7784 ZADRASIL, K. A contribution to the breeding of winter wheat with the improved baking quality. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 2(1):51-64. Ref. Jan. 1966. QH431.A1S25
English summary.

Fiber Crops

- 7785 ARROYO, V., J., and others. Estudio comparativo de selecciones de algodón Tanguis en la Costa del Peru, campanas 1959-60 a 1963-64 [Comparative study of selection of Tanguis cotton on the Coast of Peru, 1959-60 to 1963-64 seasons]. Lima. Estac. Exp. Agr. La Molina. Bol. 13, 65 p. Feb.1966. 102.5 L622B
R. Vargas S., L. Ramirez, and A. Chavez, joint authors.
- 7786 BARAHONA BARCINA, L. Cotton culture in Spain. (Sp) *Cult. Mod.* 49(8):314-317. Aug. 1966. 15 C89
- 7787 BARRETT, P. B. Cotton. Farming Zambia 2 (1):20-22. Oct.1966. S19.F3
Culture.
- 7788 BINDER, M. The culture of flax abroad. (Cz) *Len Konopi* 5:115-121. 1965. 73.8 L543
English summary.
- 7789 BRYSON, C. P., and others. Harvest all you grow—increase profits: pick dry cotton. Miss. State Univ. Ext. Publ. 524, 6 p.-folder. July 1965. 275.29 M68Ext
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council.
- 7790 BRYSON, C. P., and others. Harvest all you grow—increase profits. What are your losses? Miss. State Univ. Ext. Publ. 542, 9 p.-folder. July 1965. 275.29 M68Ext
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Cotton harvesting.

- 7791 CEAPOIU, N., and others. The hemp variety Fibramulta 151. (Rum) Probl. Agr. [Bucharest] 18(6):37-41. June 1966. 21 R862
E. Itoafa, N. Cimponeru, M. Doucet, and V. Doucet, joint authors.
Includes breeding.
- 7792 COOPERATIVA ALGODONERA SALVADORENA. DEPT. DE INVESTIGACIONES DEL ALGODON. Estado actual de sus labores [Present state of its activity]. San Salvador, 1965. 26 p. SB245.C6
Chiefly research on culture and breeding.
- 7793 DEMKIN, A. P., and STEPANOV, G. S. Harvesting dates for some hemp varieties. (Rus) Len Konoplya 9:27-28. 1966. 73.8 L542
- 7794 DICK, J. B., and LOE, R. H. Cotton skip-row variety test results, 1963-64. Miss. Agr. Exp. Sta. Inform. Sheet 905, 2 p. Oct. 1965. 100 M69In
- 7795 EMIKH, B. A. Effective dates for defoliation of cotton. (Rus) Tashkent, Nauch.-Issled. Inst. Khlopokov. St. Nauch. Rabot. Aspirantov Syuz-NIKHI 4:62-67. 1964. 72.9 T182S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:34. Aug. 1965. Film S-202
- 7796 FRANCL, F. Fine or medium quality flaxes? (Cz) Len Konopi 5:153-158. 1965. 73.8 L543
English summary.
Culture of fine-fibered varieties.
- 7797 HUGHES, C. Lint yields of cotton strain crosses. Ark. Farm Res. 15(3):6. May/June 1966. 100 Ar42F
- 7798 KOINOV, G. Breeding and culture of cotton in Bulgaria. (Bu) Selskostopanska Nauk. 4(3):15-22. Ref. 1965. 21 Se492
- 7799 LARSEN, W. E., and CANNON, M. D. Planting cotton to a stand. Ariz. Univ. Ext. Bull. A-46, 11 p. Jan. 1966. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 7800 LONGENECKER, D. E. New system for irrigated cotton; variable row spacing. Tex. Agr. Progr. 12(3):10-11. Summer 1966. 100 T31Te
- 7801 MANDZHAVIDZE, D. V. The New Zealand flax [Phormium tenax] in Adzharia. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:130-136. Ref. 1965. 68.19 M28
English summary.
Culture.
- 7802 MENA J., M. R. Henequen or cabuya. (Sp) Agricultura [Santo Domingo] 430:6-7. Mar. 1966. 8 R323
Culture and harvesting.
- 7803 MOOSBERG, C. A. Developing cottons adapted to one-over method of harvest. Ark. Farm Res. 15(3):4. May/June 1966. 100 Ar42F
- 7804 PACHTER, H. Cotton growing. Agr. Israel 11(3):46. Dec. 1965. 22.5 Ag825
- 7805 PROCHAZKA, F. Breeding of the fiber flax in Czechoslovakia. (Cz) Len Konopi 5:103-108. 1965. 73.8 L543
English summary.
- 7806 PROCHAZKA, F. Classification cards for the evaluation of breeding material of flax. (Cz) Len Konopi 5:109-114. 1965. 73.8 L543
English summary.
Data processing equipment.
- 7807 ROGASH, YU. I. Varieties and their resistance to lodging. (Rus) Len Konoplya 9:28-29. 1966. 73.8 L542
Flax.
- 7808 SARKANY, GY. Harvesting of fibre flax. (Hu) Magyar Mezőgazdaság 21(29):11. July 20, 1966. 19 M27
- 7809 SENCHENKO, G. I., and ARINSHTEN, A. I. Hemp in the new Five-Year Plan. (Rus) Len Konoplya 9:25-27. 1966. 73.8 L542
Breeding chiefly.
- 7810 SPALDON, E., and LASKOS, J. The effect of the treatment between the rows on the output of hemp seed. (Cz) Len Konopi 5:93-102. 1965. 73.8 L543
English summary.
- 7811 SPURGEON, W. I. Skip-row cotton yield as affected by different skip-row systems, nitrogen rates and row direction. Miss. Agr. Exp. Sta. Inform. Sheet 925, 2 p. Mar. 1966. 100 M69In
- 7812 STETSENKO, V. B. Characteristic of flax resistance to Fusarium. (Rus) In Rol' udobrenii i drugih faktorov v povyshenii produktivn. rast. 1964:118-121. Not in Libr.
Varieties.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:34. Aug. 1965. Film S-202
- 7813 STRAUMAL, B. P. Principles of cotton selection resistant to wilt. (Rus) In Materialy Vses. simpoziuma po bor'be s viltom khlopkhatnika 1963:79-85. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:14. Aug. 1965. Film S-202
- 7814 TRNKA, M. Tests with the foreign varieties of flax. (Cz) Len Konopi 5:137-151. 1965. 73.8 L543
English summary.
- 7815 WANG, S. C., and MU, T. J. Cotton and wheat from the saline soils of North Honan. Outlook Agr. 5(2):85-89. 1966. 10 Ou8
- 7816 ZMESKAL, O. A contribution to the culture of flax in the rotation of crops. (Cz) Len Konopi 5:129-136. 1965. 73.8 L543
English summary.
- 7817 ZUNNUOV, A. A. Selection as method for increasing cotton resistance to wilt. (Rus) In Materialy Vses. simpoziuma po bor'be s viltom khlopkhatnika 1963:109-111. 1964. Not in Libr.
Caused by fungi.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:14. Aug. 1965. Film S-202

Forage Crops and Grasses

- 7818 AGEEV, V. Additional contribution to the problem of crop interplanting. (Rus) Zernobovye Kul'tury 1:28-29. 1965. Not in Libr.
Forage.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:26. Aug. 1965. Film S-202
- 7819 ALBRECHTSEN, R. S., DAVIS, R. L., and KEIM, W. F. Components of seed yield and associated characteristics in *Lotus corniculatus* L. Crop Sci. 6(4):355-358. Ref. July/Aug. 1966. 64.8 C883
- 7820 BARABAS, Z. First data on fodder sorghum grown in Hungary. Acta Agron. [Budapest] 15(1/2):229-231. 1966. 19 Ac8
- 7821 BLACKMORE, L. W. Chemical pasture renovation. Massey Univ. Manawatu. Sheepfarming Annu. 1965:173-183. 45.9 M38S
Using paraquat, in New Zealand.
- 7822 BLANCO, M. M., and others. Pastures and production of meat and wool in Pedrosches Valley—pastures of Pedrosches Valley: production, nutrient's composition and valuation. (Sp) Arch. Zootec. 15(57):20-51, map. Ref. Jan./Mar. 1966. 49 Ar22
E. P. Lucena, A. G. G. Castro, A. G. Arroyo, and A. C. Abolafia, joint authors.
English summary.
- 7823 BRANSON, F. A., MILLER, R. F., and MCQUEEN, I. S. Contour furrowing, pitting, and ripping on rangelands of the western United States. J. Range Manage. 19(4):182-190. Ref. July 1966. 60.18 J82
Forage production and water storage.
- 7824 BRAUN, O. Forrajerías del Altiplano [Forage plants of the Plateau]. Bolivia. Serv. Agr. Interamer. Bol. Exp. 30, 22 p. Ref. May 1964. 9.1 B65B
- 7825 BRUMMUND, M. Experiences in the defoliation of forage plants for seed. (Ge) Feldwirtschaft 7(7):358-360, 369-370. July 1966. 18 W763
- 7826 BUNCH, C. Managing—native pasture and range. Tex. Livestock J. 25(9):6, 34. Sept. 15, 1966. 49 T29
- 7827 CUMMINS, D. G., and BURNS, R. E. Narrow rows increase forage yields of summer annuals. Ga. Agr. Res. 7(4):16. Spring 1966. 100 G295
Grasses.
- 7828 DADE, E. Effects of clipping on red clover seed yields and seed-yield components. Crop Sci. 6(4):348-350. July/Aug. 1966. 64.8 C883

- 7829 DAVIES, A. The regrowth of swards of S 24 perennial rye-grass subjected to different pre-treatments. *J. Agr. Sci. [London]* 67(1):139-144. Ref. Aug. 1966. 10 J822
- 7830 DELCURE, J., and LEBRUN, V. Mechanised cropping of fodder beet. (Fr) *Fourrages* 26: 57-70. June 1966. 60.8 F82
English summary, p.93.
- 7831 DEMARLY, Y. Breeding work on lucerne varieties. (Fr) *Fourrages* 26:3-11. June 1966. 60.8 F82
English summary, p.89.
- 7832 DEMARQUILLY, C. Nutritive value of lucerne. (Fr) *Fourrages* 26:12-33. June 1966. 60.8 F82
English summary, p.90.
- 7833 DIETRICH, I. T. Grasses for wet sites. *N. Dak. State Univ. Ext. Circ.* A-478, 2 p. Nov. 1965. 275.29 N8125a
Phalaris arundinacea and *Alopecurus arundinaceus*.
- 7834 DYMINA, G. D. Study of the effect of burning on grass stands on ranges in Far East Coast. (Rus) *Leningrad. Universitet. Vestnik* 21:64-74. 1964. 511 L549
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:42. Aug. 1965. Film S-202
- 7835 EVANS, A. M., and JONES, D. G. The response to inoculation of the three chromosome races of *Trifolium ambiguum* sown with and without a companion grass. I-II. *J. Agr. Sci. [London]* 66(3):315-325. Ref. June 1966. 10 J822
I. The effect of inoculation on yield of clover and grass; II. The effect of the method of inoculation on the clover and grass.
- 7836 FEKETE, I. Late summer planting of lucerne. (Hu) *Magyar Mezőgazdaság* 21(33):14. Aug. 17, 1966. 19 M27
- 7837 GANGSTAD, E. O. Grazing preference of sorghum varieties and hybrids as related to composition and grazing yield. *Crop Sci.* 6(4): 334-335. July/Aug. 1966. 64.8 C883
- 7838 GARDNER, F. P., and ELDER, W. C. Frontiers for forage production. *Plant Food Rev.* 12(2):4-6, 16. Summer 1966. 57.8 P694
Southern States.
- 7839 GORDEEVA, T. K., and LARIN, I. V. Estestvennaya rastitel'nost' polupustyni Prikaspiya kak kormovaya baza zhivotnovodstva [Natural vegetation in the semidesert of the Caspian Sea Regions as a feed supply in livestock husbandry]. *Moskva, Nauka*, 1965. 159 p. Ref. QK374.G6
- 7840 GRITSAK, S. I. Silphium perfoliatum L. as a promising silage crop for Bukovina. (Rus) *Rastitel. Resursy* 1(1):118-122. 1965. 450 R18
- 7841 IVANTSOVA, T. I. Repeated sowing and over-seeding of forage plants under condition of central zone in Moldavia. (Rus) *Nauchn. Konferentsiya Professorov i Prepodav. Kishinevsk. S.-Kh. In-ta*, Dokl. 1963:84-86. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:23. Aug. 1965. Film S-202
- 7842 IVONCHIK, P. N. Growing and use of lupine in field crop rotation in Polesye in the Ukrainian SSR. (Rus) In *Rol' udobrenii i drugih faktorov v povyshenii produktivn. rast.* 1964:122-125. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:28. Aug. 1965. Film S-202
- 7843 JACOB, H. Grassland problems in the warm zones of the world. (Ge) *Prakt. Tierarz* 47 (8):383-384. Aug. 1, 1966. 41.8 P882
- 7844 JOHNSON, H. W., and BENNETT, H. W. New rust-resistant variety of ryegrass is named *Magnolia*. *Miss. Agr. Exp. Sta. Inform. Sheet* 899, 2 p. July 1965. 100 M69D
- 7845 JOHNSON, H. W., and HOGG, P. G. New variety of alfalfa is named *Delta*. *Miss. Agr. Exp. Sta. Inform. Sheet* 898, 2 p. July 1965. 100 M69D
- 7846 JONES, D. G., and THOMAS, S. B. The use of inoculation and pelleting in the establishment of white clover under mountain conditions. *J. App. Bacteriol.* 29(2):430-437. Ref. Aug. 1966 448.39 S012
- 7847 JONES, R. M., and MUIRHEAD, W. A. Species trials in the semi-arid southwest of New South Wales. I. Grasses and legumes. *New S. Wales. Soil Conserv. Serv. J.* 22(2):102-111. Ref. Apr. 1966. 56.9 N472
- 7848 KAATZ. The task of grassland agronomists in the "Friedländer Grosse Wiese" reclamation cooperative. (Ge) *Feldwirtschaft* 7(2): 85-86. Feb. 1966. 18 W763
- 7849 KAUROV, I. A., CHEKALINSKAYA, I. I., and YAKIMOVSKAYA, L. F. Polygonoym weyrichii F. Schmidt as a promising silage crop for the Byelorussian Soviet Socialist Republic. (Rus) *Rastitel. Resursy* 1(1):115-118. Ref. 1965. 450 R18
- 7850 KERR, J. A. M. Improve your grassland. *Agr. Northern Ireland* 41(4):112-115. Aug. 1966. 256.13 Ag82M
- 7851 KNOCH, G., and SCHWARZER, A. Alexandrian clover—cultural experiences and comparison with other plants. (Ge) *Feldwirtschaft* 7(6): 322-325. June 1966. 18 W763
- 7852 KRUGER, B. Practical education of pasture specialists in the Neurandenburg district. (Ge) *Feldwirtschaft* 7(2):83-85. Feb. 1966. 18 W763
- 7853 KUKEDI, E. Results of the first experiments in farm technology concerning hybrid Sudan grass in Hungary. *Acta Agron. [Budapest]* 15 (1/2):153-164. Ref. 1966. 19 Ac8
- 7854 KUMAR, V., and YAWALKAR, K. S. Studies on fodder jowar. *Gosamvardhana* 14(2):11-15. Ref. May 1966. 43.8 G69
- 7855 LARIN, I. V. Fodder resources of natural grasslands of the U.S.S.R. (Rus) *Rastitel. Resursy* 1(1):91-96. 1965. 450 R18
- 7856 LINDEGAARD, J. Forage sugar beets versus clover. (Da) *Landbonyt* 20(3):97-100. Mar. 1966. 11 L2322
Yields.
- 7857 LISENKOV, A. P. Storehouses of proteins, leguminous plants—valuable fodder crops. 4 p. (TT 65-50078) Transl. 16135
Chiefly culture.
Translation from *Priroda* 4:12-14. 1962. CFSTI: \$1.00.
- 7858 LUBENETS, P. A., and POPRAVKO, A. V. Evaluation of the samples of alfalfa and clover according to resistance to root rot. (Rus) *Vses. In-t Rastenievodstva. Maikopsk. Opyt. St. Nauchn. Tr.* 3:86-100. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:28-29. Aug. 1965. Film S-202
- 7859 MAINAR ESTEBAN, A., and HYCKA MARU-
NIAK, M. Praderas de diente en el regadio [Irrigated pastures]. *Madrid, Instituto Nacional de Investigaciones Agronomicas*, 1965. 34 p. SB199.M3
Management.
- 7860 MARKOVIC, M., and KOLIC, B. A contribution to the study of the culture of forage plants as catch crops under conditions of dry farming. (Se) *Poljoprivredni Pregl.* 14(11/12):427-444. Ref. Nov./Dec. 1965. 21.5 P753
- 7861 MAYS, D. A., PETERSON, J. R., and BRYANT, H. T. A clipping management study of two sudangrass-sorghum hybrids, sudangrass, and Gahi millet for forage production. *Va. Agr. Exp. Sta. Res. Rep.* 113, 12 p. July 1966. 100 B1R
- 7862 MEDVEDEV, P. F. Results of introduction into cultivation as forage plants of some species of *Milva* L. in the U.S.S.R. (Rus) *Rastitel. Resursy* 1(1):109-114. Ref. 1965. 450 R18
- 7863 MEHLHORN, R., and WINKELMANN, F. Higher production results in Lewitz through grassland intensification. (Ge) *Feldwirtschaft* 7(5): 232-235. May 1966. 18 W763
- 7864 MIHALYFALVY, I. Cultivation of irrigated stubble forage plants. (Hu) *Magyar Mezőgazdaság* 21(28):15. July 13, 1966. 19 M27
- 7865 MITROFANOV, A. S. Scientific basis for cultivation of spring vetch. (Rus) *Mezhvez. Nauchn. Konferentsiya po Raimon. i Priemam Vozdelayvaniya Zernobob. Kur'tur na Vost. Lesopost.* *Polosy* 1963:258-268. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:28. Aug. 1965. Film S-202

- 7866 MOLCHADSKII, S. R. Half century experience in cultivation of high yields of alfalfa in the forest-steppe zone of Kuibyshev Region. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:137-147. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:29. Aug. 1965. Film S-202
- 7867 MONCHUK, A. Planting spring vetch with broadbeans. (Rus) Zernobobovye Kul'tury 1: 33-34. 1965. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:26. Aug. 1965. Film S-202
- 7868 MORRISON, K. J. Make more money with forage. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course: 159-162. 1965. 49.9 W27
By proper management.
- 7869 MURHEAD, W. A. Species trials in the semi-arid southwest of New South Wales. II Native shrub trials in the Hay district. New S. Wales. Soil Conserv. Serv. J. 22(3):138-146. July 1966. 56.8 N472
Saltbush varieties as forage plants.
- 7870 MUNZINGER, A., and BABO, F. VON. The Hohenheim grazing system. 38 p. Transl. 16054
Pasture management.
Translation from Landwirtschaftliches Jahrbuch 73:139-168. 1931.
- 7871 OEHRING, M. Pasture yield estimates in Schleswig-Holstein. (Ge) Mitt. Deut. Landwirtschaft.-Ges. 81(31):1202-1204. Aug. 4, 1966. 18 N39
- 7872 OWEN, C. R. A hirsute ecotype isolated from common dallisgrass (*Paspalum dilatatum* Poir.). Crop Sci. 6(4):374-375. July/Aug. 1966. 64.8 C883
- 7873 PAPONOV, A. N., RYZHKOV, T. F., and CAEB-SKII, A. B. Vicia faba L. under conditions of Moscow Region. (Rus) Vses. In-t Rastenievodstva. Mosk. Otd. Tr. 1:215-241. 1964. Not in Libr.
Varieties.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:27. Aug. 1965. Film S-202
- 7874 PAVLOV, I. P. Raising the content of protein and other nutrients in a perennial grass mixture by selecting its components and by cutting at the most favorable time. 6 p. (TT 65-50077) Transl. 16142
Translation from Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk. Doklady 3:11-16. 1958.
CFSTI: \$1.00.
- 7875 PETRAKIEVA, I. On the method of interplanting corn-soybean crop for silage under dry farming conditions. (Bu) Rastenievudni Nauk. 2(6):103-112. Ref. 1965. 64.8 R18
English summary.
- 7876 PLANQUAERT, P. The management of lucerne. (Fr) Fourrages 26:34-48. Ref. June 1966. 60.8 F82
English summary, p.91.
Harvesting date.
- 7877 POLLACK, P. Successful intensification measures on grassland in Havelberg district. (Ge) Feldwirtschaft 7(5):235-237. May 1966. 18 W763
- 7878 POPOV, A., and PAVLOV, P. Interplanting of beans and corn. (Bu) Rastenievudni Nauk. 2(2):129-135. 1965. 64.8 R18
German summary.
For forage.
- 7879 POPOV, I. Grass mixtures suitable for artificial meadows and pastures in Chernozem areas without irrigation. (Bu) Rastenievudni Nauk. 2(3):67-79. Ref. 1965. 64.8 R18
English summary.
- 7880 POPOV, I. Radical improvement of bluestem meadows and pastures in Chernozem areas. (Bu) Rastenievudni Nauk. 2(2):137-147. Ref. 1965. 64.8 R18
English summary.
- 7881 POWELL, J. B., and BURTON, G. W. A suggested commercial method of producing an interspecific hybrid forage in *Pennisetum* Crop Sci. 6(4):378-379. July/Aug. 1966. 64.8 C883
- 7882 RAUZI, F., LANG, R. L., and BECKER, C. F. Interseeding Russian wildrye; a progress report. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 216. 7 p. Nov. 1965. 100 W99M
U. S. Department of Agriculture, cooperating. On rangeland.
- 7883 RAYMOND, W. F. Is it possible to improve the nutritive value of forage plants. (Fr) Fourrages 26:71-88. Ref. June 1966. 60.8 F82
English summary, p.94.
- 7884 ROBINSON, G. S. Massey Yorkshire fog. Massey Univ. Manawatu. Sheepfarming Annu. 1965:57-61. 45.9 M383
Grass in New Zealand.
- 7885 ROGERS, H. H. Breeding and blending. (Fr) Fourrages 25:78-89. Mar. 1966. 60.8 F82
English summary, p.97.
Grasses.
- 7886 ROSS, J. G., BULLIS, S. S., and MOORE, R. A. Grass performance in South Dakota. S. Dak. Agr. Exp. Sta. Bull. 536, 21 p. Aug. 1966. 100 S082
- 7887 ROYLANCE, H., and KOLAR, J. J. Alfalfa varieties for Idaho. Idaho. Agr. Coll. Ext. Bull. 459, 6 p.-folder. Aug. 1966. 100 Id14
- 7888 RUDEKA, YA. U. Effect of methods of utilization of planted grass stands on their botanical composition and productivity. (Be) Minsk. Belorussk. Akad. Nauk. Vestsi. Ser. Sel'sk. khoz. nauch. tr. 4:83-87. 1964. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:43. Aug. 1965. Film S-202
- 7889 SANDERS, T. G., and KUYKENDALL, R. Corn hybrid varieties for silage. Miss. Agr. Exp. Sta. Inform. Sheet 927, 2 p. Apr. 1966. 100 M69In
- 7890 SHANDS, H. L., CRUGER, L. G., and FORSBERG, R. A. Registration of Dodge oats. Crop Sci. 6(4):388-389. July/Aug. 1966. 64.8 C883
- 7891 SHARKUNOVA, N. A. New grass varieties for pastures and the agrotechnique of their cultivation. (Rus) Ural'skii N.-I. In-t S. Kh. Tr. 5: 205-215. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:28. Aug. 1965. Film S-202
- 7892 SHCHERIEVA, R., and others. Certain investigations into a new forage crop, *Symphium peregrinum* Lab. (Bu) Rastenievudni Nauk. 2(6):113-118. Ref. 1965. 64.8 R18
I. Popov, V. Petkov, and N. Kamishev, joint authors.
English summary.
Includes composition.
- 7893 SHOULDER, J. F. Here's how to seed that pasture. Va. Polytech. Inst. Ext. Leaflet. 40, rev., 1 p. June 1966. 275.29 V81L
- 7894 SHOULDER, J. F. Increasing your feed supply. Va. Polytech. Inst. Ext. Leaflet. 9, rev., 2 p. July 1966. 275.29 V81L
Chiefly pasture management.
- 7895 SINSKAYA, E. N. Wild growing forage plants in the Malkop Experiment Station region and its vicinity. (Rus) Vses. In-t Rastenievodstva. Malkopsk. Opytn. St. Nauch. Tr. 3:61-71. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:31. Aug. 1965. Film S-202
- 7896 SKALAND, N. Annual ryegrass. (No) Norsk Landbruk 6:10-11. Mar. 25, 1966. 11 N8122
Culture of *Lolium multiflorum* varieties.
- 7897 SKALAND, N. Forage basis for milk production; green forage plants instead of root crops? (No) Norsk Landbruk 6:12-13. Apr. 22, 1966. 11 N8122
- 7898 SODERPALM, E. New tetraploid ryegrasses. (Sw) Holmberg (Algot) Arsbok, 1965:11. 88 H73
- 7899 SOKOL, J., and KOZICKA-NOWAKOWA, E. Preliminary investigations on Alexandrine clover, (*Trifolium alexandrinum*). (Pol) Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 7:43-58. Ref. 1965. 49.9 K852
English summary.
Chiefly on its planting and nutritive value for sheep.
- 7900 SOKOLOV, V. S. A problem of new silage plants. (Rus) Rastitel. Resursy 1(1):97-101. 1965. 450 R18

- 7921 SPAIN. INSTITUTO NACIONAL PARA LA PRODUCCION DE SEMILLAS SELECTAS (MADRID). El girasol forrajero [Forage sunflower]. Madrid, 1965. 3 p. SB299.S9152 Culture.
- 7922 SPRINGFIELD, H. W. Effects of 3 years' grazing at different intensities on crested wheatgrass [Agropyron desertorum] lambing range in northern New Mexico. U. S. Forest Serv. Res. Note RM 65,7 p., map. 1966. A99.9 F7632Us
Chiefly effects on yields.
- 7923 STEEN, E. Some views on pasture problems. (Sw) Vaxt-Narings-Nytt 22(3):10-13. 1966. 57.8 V47
English summary, summaries of articles, p.2.
Management and yields.
- 7924 SUCKLING, F. E. T. Hill pasture improvement. Wellington? Newton King Group of Companies, 1965. 58 p. SE08.N45
- 7925 TARMAN, O. Work of reconstructing the central Anatolian dry pastures. (Ge) Ankara Univ. Fac. Agr. Yearbook 1964:92-101. 1965. 25 An42
- 7926 THURMAN, C. W., and WARD, C. Y. Performance of sorghum hybrids and varieties in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 931,2 p. Apr.1966. 100 M69In
Forage plant.
- 7927 THURMAN, R. L. Silage sorghum performance trials, 1961 to 1965. Ark. Farm Res. 15(4):10. July/Aug.1966. 100 Ar42F
Includes hybrids.
- 7928 TOMOV, N. A study of the productivity of certain perennial legumes under mountain conditions. Rastenievudni Nauk. 2(3):61-66. 1965. 64.8 R18
English summary.
Alfalfa, red clover and sainfoin.
- 7929 TOTTH, J. It is worthwhile to cultivate winter forage mixtures. (Hu) Magyar Mezőgazdaság 21(34):7. Aug.24,1966. 19 M27
- 7930 TURNER, D. O. Give fall planting a whirl. Western Farmer 44(3,i.e.4):14,16. Sept.1966. 47.8 W27
Rye for forage.
- 7931 TWISSELMAN, C. Putting range research to work. Calif. Cattleman 48(12):20-21,28. Dec. 1965. 43.8 C12
Management.
- 7932 VELICH, J. The effect of the width of rows and method of planting on the yields of alfalfa seeds. (Cz) Sb. UVTI (Ústav Vedeckotech. Inform.) Genet. Slechteni 1(4):55-65. Ref. Oct. 1965. QH431.A1S25
English summary.
- 7933 VENGRIS, J., HILL, E. R., and FIELD, D. L. Clipping and regrowth of banyardgrass [Echinochloa crusgalli]. Crop Sci. 6(4):342-344. July/Aug.1966. 64.8 C883
- 7934 VESTAD, R. Successful planting is the basis for a good meadow. (No) Norsk Landbruk 6: 12-13,35. Mar.25,1966. 11 N6122
- 7935 WACKER, G. A proposal for quality determination and evaluation of the hay of mowed pastures and meadows. (Ge) Feldwirtschaft 7(6): 309-311. June 1966. 18 W763
Cultural factors and drying methods determining quality.
- 7936 WELLSHAUSEN, H. W. Hay yield and good quality. Ark. Cattle Bus. 1(8):9,16. Aug.1965. 43.8 Ar43
- 7937 YAKIMOVA, YA., STEFANOVA, D., and UZUNOV, M. Results from trials with perennial grass mixtures in the Etopole area. (Bu) Rastenievudni Nauk. 2(3):49-60. 1965. 64.8 R18
English summary.
Culture.
- 7938 ZIGANSHIN, A. A. Contribution to collecting and registration of legumes. (Rus) Mezhevuz. Nauchn. Konferentsiya po Raionir. i Priemam Vozdel'yaniya Zernobob. Kul'tur na Vost. Lesotpen. Polosy. Tr. 1963:47-58. 1964. Not in Libr.
Cited in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 13:21. July 1965. Film S-202
- 7939 ZNAMENSKII, L. N. Basic problems in cultivation of sorghum in northern zone of Moldavia. (Rus) Mold. N.-I. In-t. Selektstil, Semenovodstva i Agrotekh. Kul'tur. Tr. 3:137-147. 1964. Not in Libr.
Forage plant.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:19. Aug.1965. Film S-202
- 7920 ZUNIGA, M. P., SYKES, D. J., and GOMIDE, J. A. Production of eleven varieties of grasses for hay in Vicosa, M. G.—preliminary results. (Por) Rev. Ceres 12(71):315-331. Ref. Sept./Dec.1965. 9.2 C332
English summary.
Productivity and response to fertilizers.

Oil Crops

- 7921 ARLITT, A. The harvesting of rape with combines. (Ge) Feldwirtschaft 7(7):355-357. July 1966. 18 W763
- 7922 AUCKLAND, A. K. Soyabeans in Tanzania. I. The exploitation of hybridization for the improvement of soyabeans. J. Agr. Sci. [London] 67(1):109-119. Ref. Aug.1966. 10 J822
- 7923 CAVINESS, C. E. Performance of soybean varietal mixtures. Ark. Farm Res. 15(4):2. July/Aug.1966. 100 Ar42F
- 7924 CULP, T. W., and AZLIN, W. R. Sunflower tests in the Mississippi Delta. Miss. Agr. Exp. Sta. Inform. Sheet 903,2 p. Oct.1965. 100 M69In
Yields as an oilseed crop.
- 7925 CZYZOWA, M. History of the soybean culture. (Cz) Agrikultura 4:94-105. Ref. 1965. 19.5 Ag8
German summary.
- 7926 DENNIS, R. E., and RUBIS, D. D. Safflower production in Arizona. Ariz. Univ. Ext. Bull. A-47,24 p., map. Jan. 1966. 275.29 J42B
Published jointly with Arizona Agricultural Experiment Station.
- 7927 FEDOROVA, L. V. Planting dates and density of distribution of sunflowers in forest-steppe zone of the Ukrainian SSR. (Rus) In Rol' udobrenii i drugikh faktorov v povyshenii produktiv. rast. 1964:86-88. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:35. Aug.1965. Film S-202
- 7928 GILBERT, N. W., and LORANCE, D. G. Registration of Frio safflower. Crop Sci. 6(4):390. July/Aug.1966. 64.8 C883
- 7929 GREEN, G. D. Soybean row spacing. Miss. Agr. Exp. Sta. Inform. Sheet 922,1 p. Mar. 1966. 100 M69In
- 7930 HARTWIG, E. E. Effect of TIBA [triflurobenzoic acid] on soybean seed yields in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 924,1 p. Mar.1966. 100 M69In
- 7931 HARTWIG, E. E. Registration of Semmes soybeans. Crop Sci. 6(4):390-391. July/Aug.1966. 64.8 C883
- 7932 HARTWIG, E. E. Semmes, a new soybean variety for the Delta area. Miss. Agr. Exp. Sta. Inform. Sheet 902,1 p. Aug.1965. 100 M69In
- 7933 HOLSHMEIMER, J. G. H. Growing soybeans in the Guadalcanal Plains British Solomon Islands. Soybean Dig. 26(9):19-20. June 1966. 60.38 S09
- 7934 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966, Caddo Peanut Research Station, Fort Cobb, Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-547,30 p. Sept.1966. 100 Ok4M
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 7935 SHANGHAI MUNICIPAL ACADEMY OF AGRICULTURAL SCIENCES. AGRICULTURAL EXPERIMENT STATION. A study of the high-yield technique of Sheng-li rape. (Ch) Tso Wu Hsueh Pao 4(4):367-379. Nov.1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:68. Mar.2,1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.

- 7936 SPAIN. INSTITUTO NACIONAL PARA LA PRODUCCION DE SEMILLAS SELECTAS (MADRID). Cultivo del girasol como planta oleaginosa [Culture of sunflower as oil plant]. Madrid, 1965. 4 p. SB299.S9153
- 7937 SPAIN. INSTITUTO NACIONAL PARA LA PRODUCCION DE SEMILLAS SELECTAS (MADRID). Girasol [Sunflower]. Madrid, 1965. 4 p. SB299.S915
- 7938 TRNKA, M. The culture of oil-fiber flax in Czechoslovakia. (Cz) Len Konopi 5:123-128. 1965. 73.8 L543
English summary.
- 7939 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing safflower, an oilseed crop. U. S. D. A. Farmers' Bull. 2133, 13 p. June 1966. 1 Ag84F
- 7940 WANG, C. L., and CHO, C. C. The breeding process of Tung-nung 4 soybean. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:17-22. Sept. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:75-76. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.
- 7941 WEBER, C. R. Registration of Kim and Kan-rich soybeans. Crop Sci. 6(4):391. July/Aug. 1966. 64.8 C883
- Sugar Crops
- 7942 BRINKMANN, W. Entwicklung eines neuen mechanischen Vereinzelungsverfahrens fur Zuckerruben auf Grund mathematischer Überlegungen [Development of a new mechanical segmentation process for sugar beets on the basis of mathematical considerations]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 30, 134 p. Ref., p.118-120. 1964. 105.8 B644
- 7943 GEIDEL, H., and HAUFFE, W. Mixed populations from three components. (Ge) Z. Pflanzenzucht. 54(2):143-153. Ref. Nov. 1965. 450 Z36
Sugar beets.
- 7944 GERARD, C. J., and others. Yield and quality of sugar beets in the Lower Rio Grande Valley. Tex. Agr. Exp. Sta. MP-809, 10 p. June 1966. 100 T31M
J. E. Matocha, W. R. Cowley, and F. P. Griffiths, joint authors.
- 7945 HUGHAN, D. S. The development of Zambia's sugar cane estate at Mazabuka. Farming Zambia 2(1):13-17. Oct. 1966. S19.F3
Culture.
- 7946 ISTOMINA, R. F. Effect of crops to precede sugar beets and the methods of soil cultivation on their yields. (Rus) Ural'skii N. I. In-T. S. Kh. Tr. 5:92-99. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:36. Aug. 1965. Film S-202
- 7947 JERMY, S., and LUKACS, L. Harvesting and transportation of sugar beet. (Hu) Magyar Mezőgazdaság 21(37):10. Sept. 14, 1966. 19 M27
- 7948 LARSEN, P. H. Views on the genetic monogerm sugar beet seed. (Da) Tømandsbladet 38(8):442-443. Aug. 1966. 11 T58
- 7949 LIN, C. C. Sugar cane. (Ch) Shengxuwue Tongbao 1:10-15. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:3. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 7950 LOPEZ HERNANDEZ, J. A. Study of industrial characteristics of sugarcane in bloom in Tucuman. (Sp) Indus. Azucar. 72(872):209-210. July 1966. 65.8 In22
- 7951 MEXICO (CITY) INSTITUTO PARA EL MEJORAMIENTO DE LA PRODUCCION DE AZUCAR. La investigación y experimentación de la cana de azucar en Mexico y el Instituto para el Mejoramiento de la Producción de Azúcar [Investigations and experimentation on sugarcane in Mexico and in the Institute for the Improvement of Sugar Production], by A. Gonzales Galardo. Mexico, 1964. 43 p. 65 M57n
Chiefly culture and varieties.
- 7952 OLBRICH, H. Culture of sugarcane in North America. (Ge) Z. Zuckerindus. 16(4):209-213. Ref. Apr. 20, 1966. 65.8 D48
Chiefly in Florida and Louisiana including history.
- 7953 ODRICH, K. H. Production of the best—standard for sugar beet production. (Ge) Feldwirtschaft 7(2):63. Feb. 1966. 18 W763
Culture in East Germany.
- 7954 OVERCHUK, V. I. Root system of sugar beet as factor in selection. (Uk) Visnyk Sil's'koho-spodar. Nauk 6:24-28. June 1965. 20 V82
Russian summary.
- 7955 REICHENHEIM, H. Review of the situation of technique and production processes in sugar beet production. (Ge) Feldwirtschaft 7(2):89-90. Ref. Feb. 1966. 18 W763
East Germany.
- 7956 ROUSSEL, N., and STALLEN, R. VAN. Les résultats des essais comparatifs de variétés de betterave sucrière en Belgique, de 1961 à 1965 [Results of the comparative sugar-beet variety trials carried out in Belgium from 1961 till 1965]. Inst. Belge Amellor. Betterave. Publ. 1, 20 p. 1966. 66.9 In7
English summary.
- 7957 SCHNEIDER, H. Seed forms in connection with new seeding procedures for sugar beets. (Ge) Feldwirtschaft 7(2):66-68. Feb. 1966. 18 W763
East Germany.
- 7958 THEIS, T. USDA's sugar research programs. Sugar Azucar 61(8):38-41. Aug. 1966. 65.8 F11
Text also in Spanish, p.57-60, 80.
- 7959 TODORIC, I. The significance of the size of the vegetative space in the seed production of sugar beets. (Se) Agron. Glas. 16(4/5):283-296. Ref. May 1966. 21.5 Ag84
English summary.
- 7960 TS'AI, P., and WU, Y. F. A study of reasonable density for beets. (Ch) Tso Wu Hsueh Pao 4(4):321-331. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:61. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.
- 7961 WILSON, J. A guide to the use of fertilizers. Sugar News [Manila] 42(5):256, 258, 260. May 1966. 65.8 Su36
- 7962 WILSON, J. Trashing. Sugar News [Manila] 42(5):247-248, 250, 252. May 1966. 65.8 Su36
- 7963 YAZDANPANAHI, M. D. Neue Methoden zur Wachstumsförderung verschiedener Pflanzen, insbesondere von Zuckerruben [New methods for growth promotion of various plants, especially sugar beets]. Giessen, Justus-Liebig-Universität, Landwirt. Fak. [Diss.] 17, 110 p. 1964. 105.8 G36
Bibliography, p.79-86.
- 7964 ZANA, J. Study of characteristics of sugar beet varieties in 1965. (Hu) Cukoripar 19(4):143-149. July/Aug. 1966. 65.8 C89
German summary.
- Tobacco
- 7965 ACOSTA MATIENZO, A., GONZALEZ MOLINA, C., and SAMUELS, G. Response of filler tobacco crop to different planting dates. P. R. Univ. J. Agr. 50(3):161-173. July 1966. 8 P832J
- 7966 BROTHERS, S. L., and MILLER, C. R. Produce your own tobacco plants. Flue Cured Tobacco Farmer 2(9):16-17. Nov. 1965. SE2173.A1F58
- 7967 COLLAZO SAINZ, L. R., and RODRIGUEZ DE VARGAS, B. Recommended agricultural practices adopted by Puerto Rican tobacco farmers. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 200, 28 p., map. June 1966. 100 P83
English summary.
- 7968 DIMITROV, TS. New methods of tobacco harvesting. (Bu) Bulg. Tyutyun 9/10:26-35. 1965. 69.8 B872
- 7969 DONEV, N. Some cultural practices for tobacco variety, Ostrolist B-27-47. (Bu) Bulgarski Tyutyun 4:17-21. 1965. 69.8 B872

- 7970 GALANOV, G. For high and qualitative yields of Virginia tobacco. (Bu) Bulgarski Tyutyun 4: 13-16, 1965. 69.8 B872
Culture
- 7971 HAWKS, S. N. Plant beds: selection and preparation. *Flue Cured Tobacco Farmer* 2(9):8. Nov. 1965. SB2173.A1F58
- 7972 KUNEV, K. Timely seedling production as basis of high yields of good quality of tobacco. (Bu) Bulgarski Tyutyun 3:10-12. 1965. 69.8 B872
- 7973 ROGERS, H. Tobacco in Australia. *Flue Cured Tobacco Farmer* 2(9):21. Nov. 1965. SB2173.A1F58
- 7974 SHABANOV, D., and TOMOV, N. Results of introduction of tobacco variety Trapezund in Bulgaria. (Bu) Bulg. Tyutyun 5:25-29. 1965. 69.8 B872
- 7975 SHABANOV, D. Technological progress as important factor of cheaper and high quality tobacco production. (Bu) Bulg Tyutyun 5:5-9. 1965. 69.8 B872
Chiefly culture.
- 7976 STOIMENOV, I. New method of planting of tobacco seedlings. (Bu) Bulgarski Tyutyun 4: 9-12. 1965. 69.8 B872
- 7977 YANKIEVA, E. Non-flowering tobacco variety, Sekirka. (Bu) Bulg. Tyutyun 6:28-29. 1965. 69.8 B872
- 7978 YU, H. H., and others. A study of the growth of tobacco leaves. (Ch) Tso Wu Hsueh Pao 4(4): 334-341. Nov. 1965. 64.8 T78
W. W. Fu, C. L. Liu, and C. M. Wan, joint authors.
Culture.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:62-63. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C

HORTICULTURAL CROPS

- 7979 BROOK, M. Lazy gardening. *Nigerian Field* 31(1):26-44. Jan. 1966. 410 N56
- 7980 FERGUSON, J. H. A. Tabel van de tweedimensionale normale kansverdeling. Table of the bivariate normal distribution-function. Wageningen. Inst. Veredeling Tuinbouwgewassen. Mededel. 245, 16 p. Sept. 1965. 86 W12
English summary.
Horticulture.
- 7981 GLISBERS, L. F. Development of British horticulture. (Du) Neth. Dir. Tuinbouw. Mededel. 29(8):347-349. Aug. 1966. 86 N384
English summary, p. 356.
- 7982 KALEVI, M. W. U.S.A., the land of contrasts, also in the horticulture. (Fi) Puutarha 68(12): 650-651. 1965. 80 P99
English summary, contents and summaries, p. 1.
- 7983 LYGSTAD, B. Place of nurseries and horticulture in Norwegian agriculture and agricultural policy. (No) *Gartneryrket* 56(35):814, 828. Aug. 26, 1966. 80 G1935
- 7984 MEEUS, M. Anjou; important horticultural region in France. (Fi) *Tuinbouwberichten* 30 (7):254-256, map. July 1966. 80 T817
- 7985 POPA, V. Horticulture and viticultural research during the regime of people's democracy and perspectives for its development. (Rum) *Gradina, Via Livada* 15(8):4-10. Aug. 1966. 80 G75
- 7986 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER, HAVEBRUGSUDBALGET. Havebrugsarbejdet [Horticulture], 1965, by Ejnar M. Nielsen. Aarhus, 1966. 86 Sa4
- 7987 STENE, J. Greenhouse nurseries in Trondheim. (No) *Gartneryrket* 56(33):760, 774. Aug. 12, 1966. 80 G1938
- 7988 VIKOR, H. Horticulture at Voss today. (No) *Norsk Hagetid.* 82(7/8):167-168. July/Aug. 1966. 80 N81

Fruit - General

- 7989 BALSIGARD, INSTITUTET FOR VAXTFORADLING AV FRUKT OCH BAR. Berattelse over verksamheten ar [Annual report of the Fruit Breeding Institute], 1964. Kristianstad, 1965. 34 p. 86 F76
English summary.
- 7990 CORLEY, W. L. Georgia's domestic fruit exploration. *Ga. Agr. Res.* 8(1):12. Summer 1966. 100 G295
Fruit collection nursery.
- 7991 THE FRUIT forests of the Soviet Union and their transition to "forest orchards." *Int. Fruit World* 25(2):308, 311-312, 315, 317-318, 321-322. Summer 1966. 286.83 F9426
Text also in French and German.
Management.
- 7992 GUDZENKO, A. A. Sady na tseline [Orchards in virgin lands]. Moskva, Kolos, 1965. 278 p., map. Ref. SB357.G8
- 7993 NEGRILA, A., and CEPOIU, N. Study of crown formation into an inverted pyramid carried out in fruit nurseries. (Rum) *Gradina, Via Livada* 15(5):42-47. May 1966. 80 G75
- 7994 NITU, T. Experience of the Suceava region in the reclamation of sloping lands by planting fruit and grapes. (Rum) *Gradina, Via Livada* 15(7):3-8. 1966. 80 G75
- 7995 OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Fruit crops research, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 9, 86 p., map. Aug. 1966. 100 Oh3Rs
- 7996 PARNIA, P. New aspects of a successful intensified fruit culture. (Rum) *Gradina, Via Livada* 15(6):44-47. June 1966. 80 G75
Includes planting and pruning.
- 7997 SCHMIDT, N. Education of young fruit growers. (Da) *Erhvervsfrugtavlere* 33(8):318-319. Aug. 1966. 80 Er3
- 7998 SCHWARZENBACH, W. Horticultural intensive cultures in the light of Federal farm census 1965. (Ge) Schweiz. Z. Obst- Weinbau 102 (14):374-376. (Concl.) July 9, 1966. 80 Sch9
- 7999 SHEN, C. Answers to some common questions. (Ch) *Shengwuxue Tongbao* 1:9. Jan. 1966. 442.8 Sh4
Fruit tree culture.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 52:2. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 8000 SHEPEL'S'KYY, A. I. Results of research in field of fruit culture. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 6:60-67. June 1965. 20 V82
Russian summary.
Activities of the Ukrainian Research Institute for Fruit Culture [Ukrayins'kyi Naukovodoslidoi Instytut Sadivnytstva].
- 8001 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The home fruit garden in the central Southwestern States. U. S. D. A. Leaflet. 221, rev., 8 p., map. Sept. 1966. 1 Ag64L
- 8002 ZSOLDOS, L. Examinations relating to the establishment of terraced fruit orchards. (Hu) *Arrokem. Talaian* 15(2):363-371. Ref. June 1966. 385 Ag83
English summary.
- Citrus and Subtropical Fruits
- 8003 BURDA, J. In the botanic gardens of the Liorec papaya brings ripe fruit in the winter. (Cz) *Ziva* 14(4):129-310. June 1966. 409.6 Z6
- 8004 CEYLON, DEPT. OF AGRICULTURE, DIV. OF EXTENSION AIDS. Bananas, Colombo, 1965. 7 p. S379.B2A5
Culture and diseases.

- 8005 CHKHAIDZE, I. I. On the state and prospects of olive growing in Georgia. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 4:115-118. 1965. 68, 19 M28
English summary.
- 8006 FANKHAUSER, F. Citrus culture of Israel. II. (Ge) Schweiz. Z. Obst- Weinbau 102(9):232-235. Apr. 30, 1966. 80 Sch9
- 8007 HAMILTON, R. A., and IZUNO, T. Line 10, a new strain of export papaya. Hawaii Farm Sci. 14(4):1-3. Oct. 1965. 100 H314
- 8008 MALAN, E. F., and THOMAS, D. DES G. The banana in South Africa. (Por) Gaz. Agr. Angola 11(7):1216-1217, 1227. July 1966. 24 G252
Varieties and breeding.
- 8009 MORIN, C. Cultivo de frutales tropicales y menores [Culture of tropical and small fruits]. Lima, Editorial Juridica, 1965. 401 p. Ref. SB359.M6
- 8010 NYENHUIS, E. M. D. Cavendish bananas along the South Coast. Farming S. Afr. 42(4):29-32. July 1966. 24 So842
Includes yields.
- 8011 OFITZ, K. W. Needed—summer and fall oranges for California. Calif. Citrogr. 51(11):433. Sept. 1966. 80 C125
Breeding for new varieties.
- 8012 ORTEGA NIETO, M., FERREIRA LLAMAS, J., and DELGADO BEL, F. G. El agua, la poda y el suelo como factores de producción del olivo en la Provincia de Jaen [Water, pruning, and soil as olive tree productivity factors in Jaen Province]. Madrid, Instituto Nacional de Investigaciones Agronomicas, 1965. 87 p., map. SB367.O7
- 8013 RAMIREZ, O. D. Pollen fertility as a means of selecting male-parent plants in pineapple breeding. P. R. Univ. J. Agr. 50(3):231-240. Ref. July 1966. 8 P832J
- 8014 SAMSON, J. A. Handleiding voor de citruscultuur in Suriname [Manual for citrus culture in Surinam]. Surinam. Landbouwoefsta. Mededel. 39,76 p. Apr. 1966. 102,5 D95
Deciduous Fruits
- 8015 ADAMIC, F. Slovenija, a new Yugoslav peach variety. - (Sl) Soc. Kmetijstvo Gozdarstvo 16 (17):416-417. Dec. 11, 1965. 21,5 S014
- 8016 BEKETOVSKAYA, A. A. Promising cherry and mazzard cherry varieties in suburban zone of Erevan. (Arm) ArmSSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov 2:47-52. 1965. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:41. Aug. 1965. Film S-202
- 8017 BUCHHOLTZ, W. F., NAGEL, C. M., and PULSIFER, H. G. Prunus hortulana, a virus-free, nonsprouting understock for hardy plums and ornamental Prunus. S. Dak. Agr. Exp. Sta. Bull. 534, 3 p. July 1966. 100 So82
North Central States
- 8018 COBHAM, R. O., CROZIER, J. F., and LOC - KIE, G. D. Coxes at Fernhurst; a profitable past—a promising future? I. Great Brit. Min. Agr. Fish. Food, Agr. 73(7):314-318. July 1966. 10 G79J
- 8019 COBIANCHI, D. The use of hormones for thinning of apple fruit buds. (It) Romagna Agr. Zootec. 51(3):91-110. Mar. 1966. 16 R66
- 8020 DOTTI, F. Thinning of apples obtained with spraying after sprouting. (It) Terra Trentina 12(4):141-144. Apr. 1966. 16 T277
- 8021 DRAGOZHINSKAYA, V. M. Results of the study of different pear varieties. (Rus) Vses. In-t Rastenievodstva Malkopsk. Opytn. St. 2:35-55. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:40. Aug. 1965. Film S-202
- 8022 GRANHUS, B. The wild apple tree at Lømes. (No) Norsk Hagetid. 82(9):193. Sept. 1966. 80 N81
- 8023 HANCOCK, B. G. Summer time is peach time. Tex. Agr. Progr. 12(3):7-9. Summer 1966. 100 T31Te
Chiefly culture.
- 8024 HANSEN, T. Disease control at the end of the season. (Da) Erhvervsfrugtavlere 33(8):322-325. Aug. 1966. 70 Er3
Fruit.
- 8025 JUSCAFRESA, B. Culture of peaches in Spain. (Sp) Cult. Mod. 49(7):255-256. July 1966. 15 C89
- 8026 JUSCAFRESA, B. A new free rootstock: the "Graham" apple. (Sp) Cult. Mod. 49(8):311-312. Aug. 1966. 15 C89
- 8027 KLARUP, J. Report on Lolland-Falster. (Da) Erhvervsfrugtavlere 33(9):359-363. Sept. 1. 1966. 80 Er3
Fruit culture.
- 8028 LARSEN, E. Impressions from a study trip to France. (Da) Erhvervsfrugtavlere 33(7):281-284. July 1. 1966. 80 Er3
Apple culture.
- 8029 MARIANI, G. Protection of Trento fruit culture. (It) Terra Trentina 12(3):113-114. Mar. 1966. 16 T277
On the Reinette de Canada variety.
- 8030 NYBOM, N., and BERGENDAL, P. O. Pome fruit. (Sw) Balsaard. Inst. Vaxtfordling Frukt Bar. Berattelse Versamheten, 1965:10-16. 86 F76
English summary, p. 27-28.
Breeding of apples and pears.
- 8031 OLDEN, E. J. Stone fruit and rootstocks. (Sw) Balsaard. Inst. Vaxtfordling Frukt Bar. Berattelse Versamheten, 1965:16-21. 86 F76
English summary, p. 28-29.
Breeding.
- 8032 PIRUMYAN, K. A. Some biological peculiarities of pear varieties distributed in Idzevan District. (Arm) ArmSSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov 11/12:104-113. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:41. Aug. 1965. Film S-202
- 8033 POPA, V. Results of thinning crowns of plum trees by pruning. (Rum) Gradina, Via Livada 15(7):41-44. 1966. 80 G75
- 8034 RICCI, A. Renewal of Romagnola peach culture; the environmental conditions. (It) Romagna Agr. Zootec. 51(7):247-268. July 1966. 16 R66
- 8035 ROMANOV, V. V. Growing apple rootstocks in nursery without transplanting. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:134-137. July 1966. 20 V633
- 8036 SALVATERRA, G. Problematics of Golden Delicious apples; possibilities and limitations in the Province of Trento. (It) Terra Trentina 12(3):93-103, map. Mar. 1966. 16 T277
- 8037 SHESTAKOV, I. I. Collection of cherry varieties and results on their study on Maikop Experiment Station of Vsesoyuznyy Institut Rastenievodstva. (Rus) Vses. In-t Rastenievodstva, Maikopsk. Opytn. St. Nauchn. Tr. 2:126-138. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:35. Aug. 1965. Film S-202
- 8038 SORESENSEN, A. Impressions from East Germany. (Da) Erhvervsfrugtavlere 33(8):319-322. Aug. 1966. 80 Er3
Includes fruit culture.
- 8039 SORESENSEN, A. Should we plant, how and where? (Da) Erhvervsfrugtavlere 33(9):370-374. Sept. 1, 1966. 80 Er3
Apples and pears.
- 8040 STEFAN, N. Recommendation on the harvesting of cherries. (Rum) Gradina, Via Livada 15(6):41-43. June 1966. 80 G75
- 8041 VERHEY, E. W. M., and VRIES, H. C. P. DE. Is there scope for a bed system in fruit growing? (Du) Neth. Dir. Tuinbouw. Mededel. 29 (8):338-343. Aug. 1966. 86 N384
English summary, p. 355-356.
- 8042 YENIKYEYEV, KH. K. The method of pollination with a pollen mixture to obtain interspecific hybrids of plum and cherry. Genetica 36(3):301-306. 1965. 442,5 G282
- 8043 ZHUKOV, A. S. Cultivation of peach and apricot in the northern Caucasus. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:91-94. July 1966. 20 V633
English summary.

Small Fruits

- 8044 ABAZI, V. Results of the application of the "Gherasim Constantinescu" paraffin in the grafting in Albania. (Rum) Gradina, Via Livada, 15(8):82-83. Aug.1966. 80 G75
Grapes.
- 8045 ALLEN, A., and TATE, H. F. Strawberries in Arizona gardens. Ariz. Univ. Ext. Folder 108, 15 p. Jan.1965. 275.29 Ar42Ext
Culture.
- 8046 ANASTASIE, C. Cultural operations in summertime producing qualitative yields of table grapes. (Rum) Gradina, Via Livada 15(5):30-41. May 1966. 80 G75
Training.
- 8047 ARMADESCU, I. Basic agricultural practices for table grapes. (Rum) Gradina, Via Livada 15(5):27-29. May 1966. 80 G75
- 8048 BAROZZI, L. The "palmetta speronata." (It) Agricoltura 15(2):61-65. Feb.1966. 16 Ag8226
Grapevine training system.
- 8049 BOYCE, B. R., and WIGGANS, S. C. Cultural studies on grapes in Vermont, 1953-1964. Vt. Agr. Exp. Sta. Misc. Publ. 45,5 p. Jan. 1965. 100 V59M
- 8050 CALISTRU, G., and GRECU, I. Production potentiality of the grape variety Cabernet Sauvignon as reflected in realized yields. (Rum) Gradina, Via Livada 15(6):29-35. June 1966. 80 G75
- 8051 CIOVICA, I. Speeding up the production of grapes under conditions of the district Adjud, Bacau region. (Rum) Gradina, Via Livada 15(6):72-74. June 1966. 80 G75
By training.
- 8052 CIREASA, E., and CIREASA, V. Polytomous keys for the identification of rootstocks of grapes. (Rum) Gradina, Via Livada 15(7):33-40. 1966. 80 G75
English summary, p.1 following p.93.
Includes morphology.
- 8053 CONSTANTINESCU, G. The coordination of cultural practices of grapes in Rumania. (Rum) Gradina, Via Livada 15(7):21-32. 1966. 80 G75
English summary, p.1 following p.93.
Chiefly system of planting, pruning and training.
- 8054 DALMASSO, G. Let's talk again of hybrids. (It) Colt. G. Vinicolo Ital. 112(5):157-158. May 1966. 16 C72
Grapes.
- 8055 DOHNAL, T., and HUBACEK, V. Research in viticulture in Czechoslovakia. (Fr) Za Sotsialist. Sel'skokhoz. Nauk. 2:87-114. Ref. 1966. 64.8 Z1
English summary.
- 8056 DUSCHIN, V., BRAGUTA, G., and POENARU, I. A complex of agricultural practices for the young vineyards. (Rum) Gradina, Via Livada 15(6):19-28. June 1966. 80 G75
- 8057 FONTANNAZ, P. Viticulture in the economy of Valais. (Fr) Ann. Agr. 5:107,109-111. 1965/66. 17 An73
- 8058 GJEREK, I. Tests with the new French varieties of grapes. (Sl) Soc. Kmetijstvo Gozdarstvo 17(6):132-133. Apr.25,1966. 21.5 So14
- 8059 GORODEA, G. Creation of new vineyards by grafting dormant buds of old rootstocks. (Rum) Gradina, Via Livada 15(8):43-48. Aug.1966. 80 G75
English summary, p.1 following p.113.
- 8060 HÖNDEL, MANN, W. Investigations on breeding for yield in the strawberry (*Fragaria ananassa* Duch.). (Ge) Z. Pflanzenzucht. 54(1):46-60. Ref. Oct.1965. 450 Z36
English summary.
- 8061 HRČEK, L. Most important experiences in the re-planting and cultural practices of vineyards. (Sl) Soc. Kmetijstvo Gozdarstvo 16(15):359-361. Oct.28,1965. 21.5 So14
- 8062 KHL'KEVICH, N. I. Prusadebnoe vinogradarstvo [Home gardening of grapes]. Simferopol', Krym, 1966. 206 p. SB397.K448
- 8063 KIKACHEISHVILI, R. M., SUTIDZE, G. E., and KUTUBIDZE, G. T. Perspektivnyye stolovye sorta vinograda [Promising table grape varieties]. Tbilisi, Sabchota Sakartvelo, 1965. 120 p. SB397.K5
Text in Georgian.
- 8064 KOCH, A. Strawberries. (Sw) Balsaard. Inst. Vaxfordling Frukt Bar. Berattelse Versamheten, 1965:22-24. 86 P76
English summary, p.29-30.
Breeding.
- 8065 KOMAROVA, E. S. Affinity in grapes. (Rus) Vinodelie Vinogradarstvo SSSR 8:26-28. 1964. 95.8 V77
Propagation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:37. Aug.1965. Film S-202
- 8066 KRAUS, V. The improvement of grapes and the production of grapes for grafting in Czechoslovakia. (Ge) Weinberg Keller 13(6):255-262. June 1966. 95.8 W435
English summary.
Includes nurseries.
- 8067 LALATTA, L. The culture, harvesting, packing and storing of table grape varieties. (Rum) Gradina, Via Livada 15(8):57-67. Aug.1966. 80 G75
In Italy.
- 8068 LOGOTHETIS, B. Technique of the production of raisins in Greece. (Rum) Gradina, Via Livada 15(8):68-82. Aug.1966. 80 G75
Culture and drying.
- 8069 LUK'YANOV, A. D. Organizatsiya vinogradarstva [Management of the vineyards]. Moskva, Kolos, 1966. 199 p. Ref. SB397.L8
- 8070 MACDONALD, J. P. Vine growing, a new occupation. (Fr) Ann. Agr. 5:96-97. 1965/66. 17 An73
In Switzerland.
- 8071 MELKONYAN, A. S. Embryonic fruit of central buds on young grape vines. (Arm) Arm. N.-I. In-t Vinogradarstva, vinodeliya i plodovodstva 6/7:209-232. 1964. Not in Libr.
Effect of pruning on yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:43. Aug.1965. Film S-202
- 8072 MOSOLOVA, A. V. Prospective gooseberry varieties for northwest zone of Russian Soviet Federated Socialistic Republic. (Rus) Tr. Prikladnoi Bot. Genet. Selekt. 36(3):144-148. 1964. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:36. Aug.1965. Film S-202
- 8073 NEAGU, M., and POENARU, I. Table grape varieties and their response under conditions of Rumania. (Rum) Gradina, Via Livada 15(8):11-24. Aug.1966. 80 G75
English summary, p.1 following p.113.
- 8074 PAVLOVA, N. M. Possibilities for creation of black currant varieties resistant to mites. (Rus) Tr. Prikladnoi Bot. Genet. Selekt. 36(3):94-102. 1964. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:36. Aug.1965. Film S-202
- 8075 POPA, E. Maria Pirovano, a new prospective variety of grapes. (Rum) Gradina, Via Livada 15(8):48-52. Aug.1966. 80 G75
Culture and yields.
- 8076 RAMSTAD, J. The Trondelag counties plan an expansion of berry production. (No) Gartneryrket 56(33):763-764. Aug.12,1966. 80 G1938
- 8077 RUDOLPH, W. From yellow clay to gooseberries. Org. Gard. Farming 13(10):45-47. Oct. 1966. 57.8 Or32
Gooseberry culture.
- 8078 SCHULZ, K. Fungistatic wax used in grape grafting. (Ge) Weinberg Keller 13(1):37-47. Ref. Jan.1966. 95.8 W435
To control Botrytis.
- 8079 STEFAN, N., ZAMBROWICZ, E., and BOTEZ, M. Planting strawberries in summer. (Rum) Gradina, Via Livada 15(8):93-97. Aug.1966. 80 G75
English summary, p.1 following p.113.

- 8090 SUSPIRO, E., and PINTO, J. A. G. Table grapes; state of culture of table grapes and prospects of development; Portuguese report. (Fr) Office Int. Vigne Vin. Bull. 39(424):683-727, map. Ref. June 1966. 390, 8 B87
Presented at the 10th International Congress of Grapes and Wine, Tbilisi, 1962.
- 8091 SWITZERLAND, EIDGENÖSSISCHE VERSUCHS-ANSTALT FÜR OBST- WEIN- UND GARTEN-BAU (WADENSWIL). New plantings with grafted grapes. (Ge) Schweiz. Z. Obst- Weinbau 102(16):424-431. (Cont.) Aug. 6, 1966. 80 Sch9
- 8092 SYDORENKO, I. I., and TONKONOVHENKO, A. M. Selection of gooseberries in Donets Basin. (Uk) Visnyk Sil'skohospodar. Nauk. 6:67-69. June 1965. 20 V82
English summary.
- 8093 TAMAS, P. Berry bushes. (Sw) Balsaard Inst. Vaxtforädlings Frukt Bar. Berattelse Ver-samheten, 1965:24-26. 86 F76
English summary, p. 30-31.
Breeding.
- 8094 WAY, D. W. The field performance of cold-stored strawberry runners in South-East Eng-land. J. Hort. Sci. 41(3):291-298. July 1966. 80 J825
- 8095 WEIN-bibliographie; deutschsprachiges Schrift-um 1964, in Auswahl und Nachtrage aus fru-heren Jahren, bearbeitet von H. M. Meyer [Grape and wine bibliography; German publications 1964, as selected and supplemented from the past years; edited by H. M. Meyer]. Weinberg Keller 13(1,sup.):3-36. Jan. 1966. 95, 8 W435
- 8096 WIGGANS, S. C., and BOYCE, B. R. Cultural studies on blueberries in Vermont, 1952-1964. Vt. Agr. Exp. Sta. Misc. Publ. 46, 8 p. Jan. 1965. 100 V59M
- Nuts
- 8097 GRETSINGER, V. KH., and LASHINA, E. D. Walnut [Juglans regia] in the Vakhsh Valley. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:149-152. 1965. 68, 19 M28
English summary.
Culture.
- 8098 HENNIGER, C. N., and BOLAR, M. D. Planting black walnuts in tin cans. Tree Planters' Notes 76:13-14. Apr. 1966. 1, 962 C5T71
- 8099 NEDEV, N., ZDRAVKOV, K., and KOLEV, S. Our experience in grafting cultivated chestnut trees. (Bu) Gorsko Stopanstvo 22(6):37-40. June 1966. 99, 8 G682
- 8090 POVOLOCHKO, P. A. On the commercial almond [Amygdalus communis] growing in the USSR. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:119-129. Ref. 1965. 68, 19 M28
English summary.
- 8091 SPARKS, D., and POKORNY, F. A. Rooting cuttings of Stuart pecans. Ga. Agr. Res. 7(4):14-15. Spring 1966. 100 G295
- Shade Trees and Ornamental Plants
- 8092 ADAMS, R. 1966 introductions. Pleasant Val-ley Glads. Gladiolus 41:129-132. 1966. 96, 43 N44
- 8093 AKADEMIYA NAUK KIRGIZSKOI SSR, BO-TANICHESKII SAD. Dere'ya, kustarniki i liany, dlya ozeleneniya naselennykh punktov Kirgizii, rekomendovano Botanicheskim sadom Akademii nauk Kirgizskoi SSR (Trees, shrubs and climbing plants, for decoration of populated areas of Kirghizia, as recommended by Botani-cal Garden of the Scientific Academy of Kirghiz SSR). Frunze, Ilim, 1965. 108 p. QK490.K5A35
- 8094 ANDERSON, E. B. Alliums for the garden. Roy. Hort. Soc. Lily Year Book 29:120-124. 1966. 96, 46 R81
- 8095 ANDERSON, E. B., and others. My favourite lily and why. Roy. Hort. Soc. Lily Year Book 29:106-114. 1966. 96, 46 R81
C. Bullock, P. Furze, J. Newell, L. Palmer, D. Parsons, G. H. Preston, L. Roper, D. M. Simmons, and Sir F. Fern, joint authors.
- 8096 ANTIPIN, M. S. Cultivation of annual orna-mental plants without transplanting. (Rus) In Introduktsiya rast. v Tsentr. Yakutii 1965:145-171. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:47. Aug. 1965. Film S-202
- 8097 ARENIUS, A. M. 1966 introductions. Gladiolus 41:154-160. 1966. 96, 43 N44
- 8098 ARIZONA, AGRICULTURAL EXPERIMENT STATION. 1965 report on turgrass research. Ariz. Agr. Exp. Sta. Rep. 230, 29 p. 1965. 100 Ar4M
- 8099 BARR, H. R. Liliium "Oliver Wyatt." Roy. Hort. Soc. Lily Year Book 29:161. 1966. 96, 46 R81
- 8100 BASFORD, J. S. Some Rhododendrons in the west of Scotland. Roy. Hort. Soc. Rhododen-dron Camellia Year Book 20:21-30. 1966. 84 R343
- 8101 BENJAMIN, A. M. Growing Melford auratum hybrids in the northern Transvaal. Roy. Hort. Soc. Lily Year Book 29:70-71. 1966. 96, 46 R81
- 8102 BENTHEM, R. J. Landscape architecture. (Du) Ned. Bosbouw Tijdschr. 38(4):149-155, map. Apr. 1966. 99, 8 N28
- 8103 BIGNARDI, M. G. Brief notes on culture of the chief flower and ornamental plants adapted to the family garden. (It) Romagna Agr. Zootec. 51(7):273-275. (Cont.) July 1966. 16 R66
- 8104 BLACK, M. Collecting Rhododendrons in New Guinea. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:78-88. 1966. 84 R343
- 8105 BRASSEUR, I. D. A. LE. Lilies in Natal. Roy. Hort. Soc. Lily Year Book 29:72-75. 1966. 96, 46 R81
- 8106 BRINHART, B. Roses in your garden. Jersey City, T. F. H. Publications, 1965. 32 p. SB411.B7
- 8107 BROWN, W. L., and WILSON, W. F. Propaga-tion and weed control in Southern Magnolia [Magnolia grandiflora]. La. Agr. 9(4):4. Sum-mer 1966. 100 L393
- 8108 BUINING, A. F. H. Anacamperos alstoni Scholn. (Du) Succulenta 45(6):120-121. Aug. 1966. 450 Su12
Culture.
- 8109 BUINING, A. F. H. Opuntia pentlandii (S.D.) Backb. (Du) Succulenta 45(7):104-105. July 1966. 450 Su12
- 8110 BUTLER, C. Growing lilies and Nomocharis through the winter with CO₂. Roy. Hort. Soc. Lily Year Book 29:139-141. 1966. 96, 46 R81
- 8111 CAMPBELL, I. The gardens at Arduaine. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:31-36. 1966. 84 R343
- 8112 CARLSEN, K. L. Be adventuresome—grow orchids. Org. Gard. Farming 13(10):64-67. Oct. 1966. 57, 8 Or32
- 8113 CATHEY, H. M. Growing flowering perennials. U. S. D. A. Home Gard. Bull. 114, 22 p. Aug. 1966. 1 Ag84Hg
- 8114 CHUCHUNOVA, Z. E. Assortment of trees and shrubs for decoration of populated areas of Yakut ASSR. (Rus) In Introduktsiya rast. v Tsentr. Yakutii 1965:93-144. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:46. Aug. 1965. Film S-202
- 8115 CHUGUNOVA, Z. E., and SHELYDYAKOVA, A. Ornamental plants of the city of Yakutsk and its vicinity (Present situation and reasons for dy-ing of decorative plants). (Rus) In Introduk-tsiya rast. v Tsentr. Yakutii 1965:77-92. Not in Libr.
Chiefly culture.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:46. Aug. 1965. Film S-202
- 8116 CLAYTON, H. Nomocharis on Dartmoor. Roy. Hort. Soc. Lily Year Book 29:163. 1966. 96, 46 R81

- 8117 COPSEY, N. Lilies around the world. Roy. Hort. Soc. Lily Year Book 29:76-83. 1965. 96.46 R81
- 8118 THE COUNTESS OF ROSSE. *Lilium speciosum*—a fantastic strain. Roy. Hort. Soc. Lily Year Book 29:165. 1966. 96.46 R81
From Ireland.
- 8119 COX, E. H. M. *Rhododendron hemslayanum*. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:133-134. 1966. 84 R343
From Oregon.
- 8120 COX, P., COX, P., and HUTCHISON, P. An expedition to north east India, 1965. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:61-77. 1966. 84 R343
- 8121 CRANDALL, P. C., CLORE, W. J., and NILAN, R. A. Dr. X and Sparkle, new *Chrysanthemums* for Washington. Wash. Agr. Exp. Sta. Circ. 487.3 p. Sept. 1966. 100 W275
- 8122 DARBY, G. W. Hybridization over the years. Roy. Hort. Soc. Lily Year Book 29:24-34. 1966. 96.46 R81
- 8123 DEUTSCHE RHODODENDRON GESELLSCHAFT. *Rhododendron* und immergrüne Laubgehölze Fahrbuch [*Rhododendron* und Evergreens Yearbook], 1965. Bremen, 1965. 72 p., map. Ref. 97.31 R34
Bremen Gartenbauamt, cooperating.
- 8124 DOOLEY, G. It's vista bonita! *Gladiolus* 41: 75-95. 1966. 96.43 N44
Breeding of new varieties.
- 8125 DURRANT, C. T. Old and new *Camellias* in New Zealand. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:57-60. 1966. 84 R343
- 8126 ELM, R. Ramblings on the concept of landscape and reason for safeguarding the historical landscape of the Apennines. (It) *Mercanzia* 21(6):445-449. June 1966. 287 B635
- 8127 EMSWELLER, S. L. Do mixed pollens aid in wide hybridization? Roy. Hort. Soc. Lily Year Book 29:48-51. 1966. 96.46 R81
- 8128 EMSWELLER, S. L., and UHRING, J. *Lilium* ✕ "Black Beauty"—diploid and amphidiploid. Roy. Hort. Soc. Lily Year Book 29:45-47. 1966. 96.46 R81
- 8129 EREMIN, V. Species lilies of the Caucasus. Roy. Hort. Soc. Lily Year Book 29:57-65. 1966. 96.46 R81
- 8130 FINLAY, W. G. K. *Lilium mackliniae*, Keiljour, 1965. Roy. Hort. Soc. Lily Year Book 29:162-163. 1966. 96.46 R81
- 8131 FORD, F. In southern California a lily memorial to Margaret Metcalf Ford. Roy. Hort. Soc. Lily Year Book 29:164. 1966. 96.46 R81
Memorial garden.
- 8132 FOSS, S. Green and beautiful is the lawn. (No) *Norsk Landbruk* 8:16-17. Apr. 22, 1966. 11 N8122
Planting and care.
- 8133 FURSE, P. *Fritillaries* in Iran and Afghanistan, 1964. Roy. Hort. Soc. Lily Year Book 29:115-119. 1966. 96.46 R81
- 8134 GALLAGHER, J. T. International *Camellia* Society Conference, 1965. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:158-161. 1966. 84 R343
- 8135 GORER, G. Siting *Rhododendron* species. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:137-139. 1966. 84 R343
- 8136 HARDY, A., and PLATT, J. The *Rhododendron* Competition March 30 and 31, 1965. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:118-121. 1966. 84 R343
- 8137 HARNOCZI, G. The *Campanula thyrsoidea* L. (Hu) *Elovilag* 10(6):378. 1965. 410 EL6
- 8138 HARRISON, E. G. W. *Camellias* at Tremer. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:42-45. 1966. 84 R343
- 8139 HARRISON, R. Kurume *Azaleas* growing in the open and the full sun. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:134-135. 1966. 84 R343
- 8140 HEADLAM, A. W. *Rhododendrons* in Australia, the Linden Gardens, Mt. Dandenong. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:96-99. 1966. 84 R343
- 8141 HEFT, L. The Knap Hill *Azaleas*. (Ge) *Bremen. Rhododendron-Ges. Jahrbuch* 1965:68-71. Ref. 97.31 R34
Varieties produced in Great Britain.
- 8142 HEMMING, E. S. Reflections on the problems of nurserymen. *Amer. Nurseryman* 124(5):34, 36, 38, 40, 42, 44, 46, 48, 50-51. Sept. 1, 1966. 80 Am371
Landscape gardening.
- 8143 HOAG, D. G., TIMM, J. P., and LANA, E. P. A comparison of the observed performance and hardiness zone recommendations of woody ornamentals grown in the Northern Plains. N. Dak. Agr. Exp. Sta. Res. Rep. 19,7 p. Ref. Sept. 1966. 100 N813R
Trees and shrubs.
- 8144 HORN, A. S., and others. Idaho lawns. Idaho. Agr. Coll. Ext. Bull. 464, 12 p. Aug. 1966. 100 Id14
A. Slinkard, R. Higgins, R. Portman, and L. Erickson, joint authors.
- 8145 1966 INTRODUCTION, South Hamilton, Massachusetts. *Gladiolus* 41:166-167. 1966. 96.43 N44
Chaplain View Gardens.
- 8146 JANSE, J. A. Kakteen und andere Sukkulente und ihre Pflege [Cacti and other succulents and their care]. Ed. 2, rev. München, Sudwest-Verlag, 1965. 199 p. (Der Gute Tip. Sonderband) SB413.C12J3
- 8147 JANSSON, C. A. A new *Begonia* hybrid. *Acta Horti Gotoburgensis* 28:65-68. 1966. 451 G712
- 8148 JONG, J. VAN Z. DE. Some Philippine orchids. (Du) *Orchideen* (n.s.) 28(4):92-99. (Concl.) Aug. 1966. 80 Or182
For greenhouse culture.
- 8149 KALLIO, T. K. Deciduous trees and shrubs. (Fi) *Puutarha* 68(12):662-663. 1965. 80 P99
English summary in Contents and summaries section, p. 1.
- 8150 KALLIO, T. K. Evergreen trees and shrubs. (Fi) *Puutarha* 69(6):362-363. 1966. 80 P99
Varieties.
- 8151 KASAK, V., and STIVIN, K. Unpretentious and pretty alpine *Hippocrepis comosa* L. (Cz) *Ziva* 14(4):130-131. June 1966. 409.6 Z6
Includes culture.
- 8152 KAVKA, B. Breeding new forms of *Rhododendron* hybridum and of large blossomed, low growing *Rhododendron* (*Rhododendron* X *prunonicianum* Kavka). (Ge) *Bremen. Rhododendron-Ges. Jahrbuch* 1965:59-67. 97.31 R34
- 8153 KNEEBONE, W. R. Notes from the bermudagrass breeding program, 1965. *Ariz. Agr. Exp. Sta. Rep.* 230:3-6. 1965. 100 Ar4M
Includes varieties.
- 8154 KNEEBONE, W. R. The University of Arizona Turfgrass Research Committee. *Ariz. Agr. Exp. Sta. Rep.* 230:1. 1965. 100 Ar4M
- 8155 KNIGHT, F. P. *Rhododendrons* at Werrington Park. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:9-20. 1966. 84 R343
- 8156 KOBYLKA, E. Planting selected shrubs in peat gardens. (Cz) *Ziva* 14(4):126-127. June 1966. 409.6 Z6
The culture of *Skimmia japonica* and *Pernettya mucronata*.
- 8157 KOPP, E. The culture of cacti in the mixture of pumice and peat. (Cz) *Ziva* 14(4):136-137. June 1966. 409.6 Z6
- 8158 KROLL, A. M. Highlights of 1965. *Gladiolus* 41:22-35. 1966. 96.43 N44
Varieties.
- 8159 KRUK, C. What the breeder can tell you about. II. (Du) *Zaadbelangen* 20(4):76-77. Feb. 28, 1966. 61.8 Z1
Ornamental plants for beds and borders.
- 8160 KRUSMANN, G. *Rhododendron ponticum* with double flowers. Roy. Hort. Soc. *Rhododendron Camellia* Year Book 20:139-140. 1966. 84 R343
From Germany.
- 8161 LAGERQUIST, C. A guide for the less experienced in hybridizing. *Gladiolus* 41:69-74. 1966. 96.43 N44
- 8162 LAGERQUIST, C. Searching for the truth of seed pods versus pollen. *Gladiolus* 41:204-210. 1966. 96.43 N44

- 8163 LARUS, C. T. Object: reliable glads. *Gladiolus* 41:103-105, 1965, 93.43 N44
Breeding.
- 8164 LAURIE, M. From garden design to regional plan: The California influence on contemporary landscape architecture. *Landscape Architect*, 56(4):292-298, July 1966, 80 L23
- 8165 LEGGE, G. E. From the garden of "the miniature man." *Gladiolus* 41:55-58, 1966, 96.43 N44
- 8166 LESLIE, J. Cultivating hybrid lilies. *Roy. Hort. Soc. Lily Year Book* 29:162, 1966, 96.46 R81
- 8167 LESLIE, J. Lilies in tubs. *Roy. Hort. Soc. Lily Year Book* 29:161-162, 1966, 96.46 R81
- 8168 LEVONEN, H. J. Sweet pea—not necessarily a small flower. (Fi) *Puutarha* 68(12):644-645, 1965, 80 P99
English summary, contents and summaries, p.1.
Pruning.
- 8169 LIEBERMAN, A. S. Container culture of ornamental plants for the home grounds. *Cornell Univ. Ext. Cornell Ext. Bull.* 1152, 15 p. June 1966, 275.29 N48E
- 8170 LIGHTY, R. W. The use of *Lilium tigrinum* in hybridization in North America. *Roy. Hort. Soc. Lily Year Book* 29:52-56, 1966, 96.46 R81
- 8171 LOCKE, S. Rhododendron luteum Sweet, growing wild also on the southeastern edge of the Alps. (Ge) *Bremen Rhododendron-Ges. Jahrbuch* 1965:55-57, 97.31 R34
Switzerland.
- 8172 LUBAN, E. Planning of planting ornamental plants along the railroads. (Rum) *Gradina, Via Livada* 15(7):61-64, 1966, 80 G75
- 8173 LUNDER, A. Balcony boxes for fall and winter. (No) *Norsk Hagetid.* 82(9):190-191, Sept. 1966, 80 N81
Culture of coniferous plants.
- 8174 MAGIE, R. O., OVERMAN, A. J., and WATERS, W. E. *Gladiolus* corm production in Florida. *Fla. Agr. Exp. Sta. Bull.* 664A, 42 p. July 1966, 100 F68S
- 8175 MAGOR, E. W. M. Naming Rhododendron hybrids. *Roy. Hort. Soc. Rhododendron Camellia Year Book* 20:135-137, 1966, 84 R343
- 8176 MALYSHEVA, A. Magnolia (Schizandra chinensis) grown from seeds. (Rus) *Tsvetovodstvo* 4:17, 1965, 80 T78
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:47, Aug. 1965, Film S-202
- 8177 MARTIN, H. Daphne species in the garden (Ge) *Bremen Rhododendron-Ges. Jahrbuch* 1965:45-53, 97.31 R34
Varieties.
- 8178 MCCLURE, E. B. Azaleas for St. Louis gardens. *Mo. Bot. Gard. Bull.* 54(7):6-9, Sept. 1966, 451 M69B
Culture.
- 8179 MENELAUS, B. R. lochae. *Roy. Hort. Soc. Rhododendron Camellia Year Book* 20:132-133, 1966, 84 R343
From Australia.
- 8180 MERLO, A. S. Sovety tsvetovodam [Advices to floriculturists]. Ed. 2. Minsk, Urozhai, 1965. 211 p. Ref. SB406.M4
- 8181 NELSON, W. R., and PORTER, J. A. New life for your business district. *Ill. Univ. Ext. Circ.* 937, 26 p. June 1966, 275.29 IL62C
Landscape architecture.
- 8182 NELSON, W. R., and PORTER, J. A. Planning for a better church landscape. *Ill. Univ. Ext. Circ.* 938, 18 p. June 1966, 275.29 IL62C
- 8183 NELSON, W. R., and PORTER, J. A. Planning for a better hospital landscape. *Ill. Univ. Ext. Circ.* 939, 15 p. June 1966, 275.29 IL62C
- 8184 NEWELL, J. Vegetative propagation and transplanting of lilies. *Roy. Hort. Soc. Lily Year Book* 29:142-154, 1966, 96.46 R81
- 8185 NEW ENGLAND GLADIOLUS SOCIETY. The *Gladiolus* annual. Forty-first annual edition, 1966, Nashua, 1966, 256 p. Ref. 96.43 N44
- 8186 NITCHMAN, J. H. The jet set — and Glads. *Gladiolus* 41:185-188, 1966, 96.43 N44
Membership in the American *Gladiolus* Society.
- 8187 NOLTEE, F. K. A., and DONKELAAR, H. VAN. The *Ceropegia* L. genus; *Ceropegia sandersonii* Hook f. (Du) *Succulenta* 45(7):101-104. (Cont.) July 1966, 450 Sul2
Includes culture.
- 8188 PIERCE, E. G. So your peonies won't bloom! *Org. Gard. Farming* 13(10):35, Oct. 1966, 57.8 Or32
Transplanting.
- 8189 PLATT, J. The lily group tour in East Anglia. *Roy. Hort. Soc. Lily Year Book* 29:166-170, 1966, 96.46 R81
- 8190 POKORNY, F. A. Pine bark as an organic amendment in production of container plants. *Ga. Agr. Res.* 7(4):8-9, Spring 1966, 100 G29S
Ornamentals.
- 8191 POTTER, C. H. Annuals & perennials, *Sedum spectabile*, *Achillea*, and *Campanula isophylla*. *Amer. Nurseryman* 124(5):128-190, Sept. 1, 1966, 80 Am371
- 8192 PREDA, M. Gloriosa, a new greenhouse plant grown for cut flowers. (Rum) *Gradina, Via Livada* 15(6):52-56, June 1966, 80 G75
- 8193 PRESTON, G. H. Transplanting of lilies. *Roy. Hort. Soc. Lily Year Book* 29:40-44, 1966, 96.46 R81
- 8194 PUUSTIARVI, V. Building lawns. (Fi) *Puutarha* 69(6):330-333, 1966, 80 P99
English summary in Contents and summaries section.
- 8195 PYRON, J. H. Camellia renaissance in America. *Roy. Hort. Soc. Rhododendron Camellia Year Book* 20:52-56, 1966, 84 R343
- 8196 REYNOLDS, B. I. News of lily growing in South Africa. *Roy. Hort. Soc. Lily Year Book* 29:66-69, 1966, 96.46 R81
- 8197 RICHTER, W. The orchid world. 291 p. Ref. SB409.R53
Chiefly culture and varieties.
Translation of Die Schonsten aber Sind Orchideen.
- 8198 ROSE, B. Flowering vines. *Austral. Sugar J.* 58(4):290, July 1966, 65.8 Au7
- 8199 ROTNEBERG, P. Hardy roses for farm plantings and gardens. (No) *Norsk Landbruk* 6:16-17, Mar. 25, 1966, 11 N8122
- 8200 ROVENTA, I., VASILE, I. N., and VOICAN, V. Hydrangeas, plants of great effect in gardens. (Rum) *Gradina, Via Livada* 15(6):57-60, June 1966, 80 G75
Culture.
- 8201 ROVENTA, I. Y. Laws of color harmony and contrast and their application in landscape gardening. (Rum) *Gradina, Via Livada* 15(8):110-112, Aug. 1966, 80 G75
- 8202 ROYAL HORTICULTURAL SOCIETY. The lily year book, 1966. Number twenty-nine. London, 1965, 189 p. Ref. 96.46 R81
- 8203 ROYAL HORTICULTURAL SOCIETY. The Rhododendron and Camellia year book, 1966. Number twenty. London, 1965, 206 p. 84 R343
- 8204 SCHACHT, W. Rhododendron and perennials. (Ge) *Bremen Rhododendron-Ges. Jahrbuch* 1965:35-44, 97.31 R34
Varieties.
- 8205 SCHALIN, B. M. *Campanulas*. (Fi) *Puutarha* 69(6):347-349, 1966, 80 P99
English summary, contents and summaries.
Varieties.
- 8206 SCHNEIDER, F. Tropical, Malaysian Rhododendron in Boskoop. (Ge) *Bremen Rhododendron-Ges. Jahrbuch* 1965:29-33, 97.31 R34
- 8207 SHEARER, G. Queen of the rock garden. *Org. Gard. Farming* 13(10):86-87, Oct. 1966, 57.8 Or32
Saxifraga varieties.
- 8208 SIMMONS, D. M. Some lilies seen in America and other places. *Roy. Hort. Soc. Lily Year Book* 29:35-39, 1966, 96.46 R81
- 8209 SLAVIK, B. *Alcea rugosa*. (Cz) *Liva* 14(4):134-135, map. June 1966, 409.6 Z6
Includes culture.
- 8210 SLEUMER, H. Rhododendron in Borneo and Thailand. (Ge) *Bremen Rhododendron-Ges. Jahrbuch* 1965:7-27, map, 97.31 R34
- 8211 SMITH, E. O. Plain talk about rose growing. Spokane, Fitch, 1965. 24 p. SB411.S6

- 8212 SOLIC, P. Commercial production of citrus in planting bands. (Se) Poljoprivredni Pregl. 14 (11/12):445-456. Ref. Nov./Dec.1965. 21.5 P753
As ornamental house plants.
- 8213 STEAVENSON, H. The nursery trade's role in highway beautification. Amer. Nurseryman 124(7):32,34,36,38,40,42,44. Oct.1,1966. 80 Am371
- 8214 TATE, H. F., and FOLKNER, J. S. Turf on large recreation and play areas. Ariz. Univ. Ext. Bull. A-48,11 p. Apr.1966. 275,29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 8215 THOMPSON, W. R., and WARD, C. Y. Prevention of thatch accumulation on Tifgreen bermudagrass [Cynodon spp.] golf green turf. Miss. Agr. Exp. Sta. Inform. Sheet 912,2 p. Dec.1965. 100 M69In
- 8216 TOPOR, M. Method of placement of ornamental plants in home gardens. II. (Rum) Gradina, Via Livada 15(8):103-110. Aug.1966. 80 G75
- 8217 TOPOR, M., and DOBROTA, E. Principles of the layout of home gardens. (Rum) Gradina, Via Livada 15(7):55-60. 1966. 80 G75
- 8218 TRY, R. A. R. The late Camellia Competition April 13 and 14, 1965. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:149-157. 1966. 84 R343
- 8219 TURNER, F. Turfgrass management under saline conditions. Safford Experiment Station, 1965. Ariz. Agr. Exp. Sta. Rep. 230:27-29. 1965. 100 Ar4M
- 8220 TURRILL, W. B. Lilium mackliniae. Roy. Hort. Soc. Lily Year Book 29:101-105. 1966. 96.46 R81
- 8221 ULLRICH, H. Japan, the homeland of ornamental plants. In Reislgl, H., ed. The world of flowers, p.153-156. 1965. QK86.R4
- 8222 URQUHART, B. L., ed. Camellias. Princeton, New Jersey, Van Nostrand, 1965. 11 p. SB413.C18U7
History of introduction to Europe and U. S. and illustrations of varieties.
- 8223 VASATURO, G. T. The 1965 symposium. Gladiolus 41:189-201. 1966. 96.43 N44
Gladiolus varieties.
- 8224 WADA, K. A form of Rhododendron metternichii and its hybrids. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:100-102. 1966. 84 R343
From Japan.
- 8225 WAKEFIELD, G. R. Propagation of Camellias from cuttings. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:46-51. 1966. 84 R343
- 8226 WALKER, M. V. The American Rhododendron Society—annual meeting and garden tours. Roy. Hort. Soc. Rhododendron Camellia Year Book 20:89-95. 1966. 84 R343
- 8227 WIGGANS, S. C. Peony variety collection, 1955-1964. Vt. Agr. Exp. Sta. Misc. Publ. 47, 7 p. May 1965. 100 V59M
- 8228 WYATT, O. E. P. Lily odyssey. Roy. Hort. Soc. Lily Year Book 29:15-23. 1966. 96.46 R81
- 8229 WYMAN, D. Lilies in their order of bloom. Roy. Hort. Soc. Lily Year Book 29:94-100. 1966. 96.46 R81
- 8230 WYSONG, N. B. Weed tree replacement in community beautification. Arborist's News 31 (8):61-64. Aug.1966. 99.8 Ar14
Planting of street trees.
- 8231 ZACHARIAH, J. D. Landscape design. VII. Parks and playgrounds. Amer. Nurseryman 124(6):15,66,68,70. Sept.15,1966. 80 Am371
- 8232 ZACHARIAH, J. D. Landscape design. VIII. Herbaceous plant materials. Amer. Nurseryman 124(7):13,71. Oct.1,1966. 80 Am371
- 8233 ZACHARIAH, J. D. Problems and solutions in landscape design. VI. Amer. Nurseryman 124 (5):9,61-62. Sept.1,1966. 80 Am371
- 8234 ZAYLSKIE, J., and HOAG, D. G. Pruning trees and shrubs for other than fruit production. N. Dak. State Univ. Ext. Circ. A-463,6 p.-folder. Jan.1965. 275.29 N812Sa
For ornamental use.
- Vegetable and Truck Crops (Including Potatoes)
- 8235 APPEL, A. Growing vegetables on straw bales in Israel. Org. Gard. Farming 13(10):60-62. Oct.1966. 57.8 Or32
- 8236 AVSIC, S. Selection of varieties of the dwarf string beans. (Sl) Soc. Kmetijstvo Gozdarstvo 17(5):108-110. Apr.2,1966. 21.5 So14
- 8237 BENVENUTI, A. Production technique problems of the table tomato. (It) Agr. Italia 12(6):13-35. Ref. June 1966. 16 Ag8232
Cultural techniques.
- 8238 BETZEMA, J., and SNOEK, N. J. Onderzoek bij de teelt van vroege bloemkool [Research into the cultivation of early cauliflowers]. Alkmaar. Proefsta. Groenteteelt Volle Grond Ned. Mededel. 36,43 p. July 1966. 86 AL4
English summary.
- 8239 BOSWELL, V. R. Growing table beets. U. S. D. A. Leaflet. 360,slightly rev.,4 p. Aug. 1966. 1 Ag84L
- 8240 BOSWELL, V. R. Rhubarb production, outdoors and in. U. S. D. A. Leaflet. 354,slightly rev.,6 p. Aug.1966. 1 Ag84L
- 8241 BRADLEY, G. A., SMITTE, D., and VOSE, H. H. Winter squash for processing. Ark. Farm Res. 15(3):9. May/June 1966. 100 Ar42F
Yields of varieties and hybrids.
- 8242 BRANTLEY, B. B. Row spacings for southern peas. Ga. Agr. Res. 7(4):15. Spring 1966. 100 G295
- 8243 BUKASOV, S. M. The cultivated potato varieties and their wild ancestors. (Ge) Z. Pflanzenzucht. 55(2):139-164. Ref. Apr.1966. 450 Z36
English summary.
Includes polyploidy.
- 8244 BUSILA, A. Results of tests with the garden dwarf beans in the Sibiu area. (Rum) Gradina, Via Livada 15(7):9-16. 1966. 80 G75
- 8245 BUZAS, L. Propagation of seed potato with vine killing. (Hu) Magyar Mezőgazdaság 21 (32):9-10. Aug.10,1966. 19 M27
- 8246 CERVENKA, J., and NOHEJL, J. Present possibilities of the production of healthy varieties of potatoes for carrying out breeding activity. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(2):67-74. Apr.1965. QH431.A1S25
English summary.
- 8247 COLDITZ, P., HARMON, S. A., and SPIVEY, C. D. Sweet corn in the Lower Coastal Plain of Georgia. Ga. Agr. Res. 7(4):10-11. Spring 1966. 100 G295
Variety trials.
- 8248 DASKALOV, K. ed. Aprobatsiya na zelenchukovite kulturi [Certified vegetables varieties]. Sofiya, Izdatel'stvo na Bulgarskata Akademiya na Naukite, 1966. 381 p. SB323.D34
- 8249 DEBAECKE, N. A comparison of lettuce varieties for fall and winter culture. (Fl) Tuinbouwberichten 30(9):316-317. Sept.1966. 80 T817
Greenhouse culture.
- 8250 DYUKAREV, YU. A. Growing vegetables in greenhouses for commercial purposes using hydroponic as method. (Rus) Agrokhimiya 12:64-68. Dec.1965. 385 Ag89
- 8251 FISHER, P. Beans for processing. Agr. Israel 11(3):47. Dec.1965. 22.5 Ag825
Culture.
- 8252 FLONES, M. Field culture of vegetables in Trondelag. (No) Gartneryrkt 56(33):765-766. Aug.12,1966. 80 G1938
- 8253 FOGG, H. G. W. Vegetables all the year round. London, Paul, 1966. 144 p. SB322.F6
- 8254 FRANQUELO, J. E. Truffles. (Sp) Cult. Mod. 49(6):214-125. June 1966. 15 C89
- 8255 GHEORGHE, M. Types of polyethylene covers for early vegetables. (Rum) Gradina, Via Livada 15(5):23-26. May 1966. 80 G75
- 8256 GOING, W. D. The production of potatoes. Zambia Ass. Young Farmers' Clubs. Young Farmers' Club Mag., May 1966:17-21. (Cont.) S544.5.Z3Z3

- 8257 GOING, W. D. The production of potatoes. Zambia Ass. Young Farmers' Clubs. Young Farmers' Club Mag., June 1966:8-12. S544.5.Z3Z3
- 8258 HAMMETT, H. L. Sweet potato varieties. Miss. Agr. Exp. Sta. Inform. Sheet 926, 2 p. Mar. 1966. 100 M69In
- 8259 HARE, W. W. Mississippi Nemaheart, a new pimiento pepper. Miss. Agr. Exp. Sta. Inform. Sheet 917, 2 p. Feb. 1966. 100 M69In
- 8260 HARE, W. W. Mississippi Silver, a new cow-pea. Miss. Agr. Exp. Sta. Inform. Sheet 910, 2 p. Dec. 1965. 100 M69In
- 8261 HEKELE, S. The culture of mushrooms in coal pits. (Cz) Ziva 14(4):137-318. June 1966. 409.6 Z6
- 8262 HENDERSON, I. C. Potato harvesting. Agr. Northern Ireland 41(4):109-111. Aug. 1966. 256.13 Ag82M
- 8263 HOOGENDOORN, N. Transportation in potato harvesting. (Du) Pootaardappelhandel 20(2):8-11. Sept. 1966. 286.83 P79
- 8264 HRUSKA, L., and ZADINA, J. Utilization of seeds in growing potatoes for ordinary production purposes. (Cz) Sb. UVTI (Ustav Vedeckotechn. Inform.) Genet. Slechteni 1(3):55-70. Aug. 1965. QH431.A1S25
English summary.
- 8265 IVANOFF, S. S. Verona, a new fine-quality shipping melon with multiple disease resistance. Miss. Agr. Exp. Sta. Inform. Sheet 904, 2 p. Oct. 1965. 100 M69In
Watermelon.
- 8266 JURCHENKO, V. P. High-yielding heterosis hybrids of cucumbers for growing in greenhouses. (Uk) Visnyk Sil'skohospodar. Nauk. 6:53-57. June 1965. 20 V82
Russian summary.
- 8267 KELBERT, D. G. A., and others. Tomato production on the sandy soils of south Florida. Fla. Agr. Exp. Sta. Bull. 710, 41 p. May 1966. 100 F66S
P. H. Everett, A. J. Overman, C. M. Geraldson, E. G. Kelsheimer, J. P. Jones, D. S. Burgess, and E. L. Spencer, joint authors.
- 8268 KISS, A. The production of watermelon F₁ hybrids. Acta Agron. [Budapest] 15(1/2):141-151. Ref. 1966. 19 Ac8
- 8269 KRASHENNNIKOV, S. M., and VAVILOVA, M. A. Results of the investigation of intervarietal potato hybrids in the northwestern districts. (Rus) Petrozavodskii Un-t. Uch. Zap. 12(2):153-157. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:23. Aug. 1965. Film S-202
- 8270 KUCHERENKO, L. A. Growing eggplant and bush redpepper seeds without transplanting. (Rus) Selek. Semenovodstva 2:75. 1965. 61.9 Se5
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:25. Aug. 1965. Film S-202
- 8271 LI, S. A., and CHIANG, M. H. Seasonality of the vegetable production in the Yin-Ch'uan truck-farming district and proposals for ways to eliminate it. (Ch) Ning-hsia Nung Yeh K'o Hsueh T'ung Hsun 6:6-9, 18. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:10. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
- 8272 LINDFORS, S. Lokala forsok med sattkok, 1961-1963. Local experiments on varieties of onions from sets 1961-1963. Uppsala. Lantbrukshogsk. Medd. Ser. A, 54, 18 p., map. 1966. 11 Up62
English summary.
- 8273 LUKOVNIKOVA, G. A., and KOMAROVA, R. A. Growing green forced crops in winter in glass-houses. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:65-68. Ref. July 1966. 20 V633
English summary.
Vegetables.
- 8274 LUNCA, L., and POPILIAN, I. Economic and production results of the application of rotation of crops system in the greenhouse and hotbed culture. (Rum) Gradina, Via Livada 15(6):14-18. June 1966. 80 G75
Vegetables.
- 8275 MARINESCU, N., and DRAGUT, G. Plastics in the culture of vegetables and their use in the autumn. (Rum) Gradina, Via Livada 15(8):84-88. Aug. 1966. 80 G75
- 8276 MESSORI, A., and PALMAROCCHI, V. The table tomato in Liguria. (It) Agr. Italia 12(6):37-46. June 1966. 16 Ag82Z3
Culture.
- 8277 MESZOLY, GY. Large-scale tomato production and cultivation of suitable varieties. (Hu) Gazdakodas 10(4):31-40. Aug. 1966. 281.8 G25
German summary.
- 8278 MOTORCA, I. The response of some bean varieties under irrigation conditions in the flood area of Mures River. (Rum) Gradina, Via Livada 15(7):17-20. 1966. 80 G75
- 8279 NESTEROVA, A. V., and RUSANOV, B. G. New potato variety—the Veselovskii 2-4. (Rus) Chuvashsk. Gos. Ped. In-t. Uch. Zap. 19:53-54. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:20. Aug. 1965. Film S-202
- 8280 OSARA, K. Forcing and storage of rhubarb. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(2):109-122. Ref. 1966. 20 Su7M
English summary.
- 8281 PAVLEK, P. Types and varieties of endive. Types and varieties of Chichorion endivia. (Se) Agron. Glas. 16(4/5):321-324. May 1966. 21.5 Ag84
English summary.
- 8282 POLUNN, YA. YA., and EPIKHOV, V. A. Results from evaluation of world peas collections comparing them with nutritional and tasting qualities of domestic varieties. (Rus) Vses. In-t. Rastenievodstva, Mosk. Otd. Tr. 1:187-214. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:22. Aug. 1965. Film S-202
- 8283 RAUTAVAARA, T. Mushroom growing. 5. (Fi) Puutarha 68(12):664-665. 1965. 80 P99
English summary, contents and summaries, p. 1.
- 8284 RAUTAVAARA, T. Mushroom growing. 11. (Fi) Puutarha 69(6):353. 1966. 80 P99
English summary, contents and summaries.
- 8285 RIEDL, W. A. Wyoming potato variety and seedling performance trials, 1965. Wyo. Agr. Exp. Sta. Bull. 450, 5 p. Feb. 1966. 100 W99
- 8286 RUSANOV, B. G. Early-maturing pea variety the Malperle. (Rus) Mezhyuz. Nauchn. Konferentsiya po Raionir. i Priemam Vosedylyaniya Zernobob. Kul'tur na Vost. Lesostep. Polosy. Tr. 1963:247-249. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:22. Aug. 1965. Film S-202
- 8287 RUSENOVA-KONDAREVA, I. Sweetpotatoes and possibilities of their culture in Bulgaria. (Bul) Priroda [Sofia] 14(2):84-88. Mar./Apr. 1965. 410 P84
- 8288 SALTYSKOVA, L. P. Evaluation of initial materials in selection of potato varieties resistant to wart. (Uk) In Kartopolya. Ovochevi ta Bashianni Kul'tury 1964:60-67. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:8. Aug. 1965. Film S-202
- 8289 SALTYSKOVA, L. P., and others. Results of the study on selection of potatoes resistant to wart. (Rus) In Rak Kartof. i Mery Bor'by s Nim 1964:41-49. Not in Libr.
I. M. Il'ina, T. S. Efremenko, and L. I. Star-tseva, joint authors.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:20. Aug. 1965. Film S-202
- 8290 SCHALES, F. D., WATTS, A. V., and SCOTT, F. H. Cucumbers, muskmelons, squash, and watermelons. Va. Polytech. Inst. Ext. Circ. 715, rev., 12 p. Apr. 1966. 275.29 V81C
Culture.
- 8291 SCOTT, F. H., WATTS, A. V., and SCHALES, F. D. Collards, kale, spinach, and upland cress [Barbarea verna]. Va. Polytech. Inst. Ext. Circ. 851, rev., 6 p. May 1966. 275.29 V81C
Culture.

- 8292 SCOTT, F. H., WATTS, A. V., and SCHALES, F. D. Sweet potatoes. Va. Polytech. Inst. Ext. Circ. 654, rev., 6 p. May 1966. 275.29 V81C Culture.
- 8293 SHCHERBAKOVA, G. S. Selecting cucumbers for growing in greenhouses. (Uk) Kartoplya, Ovochevi ta Bashtanni Kul'tury 1:10-16. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:12. Aug. 1965. Film S-202
- 8294 SHUKAROV, L. Greenhouse culture of vegetables in Bulgaria. (Bu) Priroda [Sofia] 14 (2):31-40. Mar./Apr. 1965. 41C P934
- 8295 SMITH, W. L. Wyo 1966, a new pinto bean. Wyo. Agr. Exp. Sta. Bull. 433, 4 p. Dec. 1965. 100 W99
- 8296 STANESCU, E. The utilization of the waste of manufacturing of fiberboards for the culture of mushrooms. (Rum) Gradina, Via Livada 15(6):70-71. June 1966. 80 G75
- 8297 STEINECK, H. Experiences in mushroom advisory service in the Rheinland Chamber of Agriculture [Landwirtschaftskammer Rheinland]. (Ge) Champignon 6(53):25-27. Jan. 1966. 80 C352
- 8298 STOICESCU, M. Differentiated cultural practices as basis for an increased production of vegetables. (Rum) Gradina, Via Livada 15(6):10-13. June 1966. 80 G75
- 8299 SVENSSON, B., and LOOW, H. Pagaende under sokningar med potatis; en inventering [Present potato research; an inventory]. Uppsala. Lantbrukshögsk. Medd. Ser. B, 7:41 p. 1966. 11 Up62M
- 8300 TERESHCHENKO, N. Comparative study of peas hybrids. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:132-133. July 1966. 20 V633
- 8301 THIJN, G. A. East German potato varieties. (Du) Pootaardappelhandel 20(2):16-18. Sept. 1966. 286.83 P79
- 8302 TURNBULL, W. H. How to grow vegetables. Ed. 2. Nairobi, Longmans, 1965. 61 p. SB323.T8
- 8303 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Production of parsley. U. S. D. A. Leaflet 136, slightly rev., 4 p. Aug. 1966. 1 Ag84L
Chiefly culture.
- 8304 VAIDYA, S. J., and PATIL, A. V. Influence of date of transplanting and age of seedling on growth, yield and quality of cabbage. II. Indian J. Agron. 10(4):420-422. Dec. 1965. 22 In235
- 8305 VEENBAAS, A. Resultaten van de doperterassenproof PAW [Results of garden pea variety trials] 1117-1965. Wageningen. Proefsta. Akker-Weidebouw. Meded. 117, 73 p. Dec. 1965. 64.9 W122
- 8306 VERLINDEN, J. Greenhouse culture of corn-salad. (Fi) Tuinbouwberichten 30(9):318. Sept. 1966. 80 T817
- 8307 VOINEA, M. The culture of cauliflower in autumn. (Rum) Gradina, Via Livada 15(5):19-22. May 1966. 80 G75
- 8309 WANN, E. V., and YARNELL, S. H. Commercial growing of sweet corn. U. S. D. A. Farmers' Bull. 2042, rev., 18 p. July 1966. 1 Ag84F
- 8309 WATTS, A. V., SCOTT, F. H., and SCHALES, F. D. Green peas. Va. Polytech. Inst. Ext. Circ. 661, rev., 4 p. Apr. 1966. 275.29 V81C Culture.
- 8310 WATTS, A. V., SCOTT, F. H., and SCHALES, F. D. Sweet corn. Va. Polytech. Inst. Ext. Circ. 716, rev., 4 p. Apr. 1966. 275.29 V81C Culture.
- 8311 WOODS, M. J. Tomatoes; research on peat and trough culture. Farm Res. News 7(1):10-11. Jan./Feb. 1966. 10.5 F223
In glasshouses.
- 8312 YAKOVLEVA, S. G. Some problems on breeding methods of the white cabbage in the forest-steppe zone of the Ukrainian SSR. (Uk) Kartoplya, Ovochevi ta Bashtanni Kul'tury 1:23-33. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:13. Aug. 1965. Film S-202
- 8313 ZACCAGNINI, A. Aspects of tomato culture in Sardinia. (It) Agr. Italia 12(6):47-55. June 1966. 16 Ag8232
- 8314 ZADINA, J. A contribution to the problem of breeding potatoes with a high starch content and large starch grains. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(4):37-44. Oct. 1965. QH431.A1525
English summary.
- 8315 ZADINA, J. Data on the breeding of early and medium early potato varieties. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(4):45-54. Oct. 1965. QH431.A1525
English summary.
- 8316 ZANINI, E. General problematics of culture and utilization of tomatoes in Italy. (It) Agr. Italia 12(6):5-11. June 1966. 16 Ag8232
- 8317 ZON, C. VAN. Bigger lettuce in bigger soil blocks. (Du) Groenten Fruit 22(8):311. Aug. 31, 1966. 80 G89

Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)

- 8319 AKADEMIYA NAVUK BSSR, INSTITUT EKSPERIMENTAL'NOI BOTANIKI I MIKROBIOLOGII. Lekarsvennye rasteniya, dikorastushchie [Wild-growing drug plants]. Minsk, Nauka i Tekhnika, 1965. 379 p., map. QK99.A38
- 8319 ASKEROV, K. A., and ISMAILOV, I. M. Growing Morus seedlings in mulberry nursery without transplanting. (Rus) Azerb. N.-I. In-t. Shelkovodstva. Tr. 5:14-18. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:38. Aug. 1965. Film S-202
- 8320 BAKHTADZE, K. E. Transfer of Soviet tea plantations to selected varietal plantings. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:3-6. 1965. 68.19 M28
Breeding.
- 8321 BAKHTADZE, KH. E. Results and prospects of tea breeding and seed production. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:13-18. 1965. 68.19 M28
English summary.
- 8322 BENDALL, R. L., and DALY, R. A. Ginger growing in the Nambour area, Queensland. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(2):83-96, map. Apr. 1966. 281.9 Au73
- 8323 BERANEK, F. Breeding of hops with artificial induction of polyploids. (Cz) Chmelarstvi 38(1):12-13. Jan. 20, 1966. 70.8 C33
- 8324 BLUNDEN, G., HARDMAN, R., and TREASE, G. E. Some observations on the propagation of Dioscorea belizensis Lundell and other steroid-yielding yams. Planta Med. 14(1):84-89. Feb. 1966. 450 P697
As drug plant.
- 8325 BUBRYAK, I. I. Acclimatization of tea plant in the Transcarpathian Region. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:41-42. 1965. 68.19 M28
English summary.
- 8326 BZHALAVA, A. N. Results of chemical investigations of shellac obtained in the U.S.S.R. (Rus) Rastitel. Resursy 1(1):107-108. 1965. 450 R18
From different plants.
- 8327 CHKHAIDZE, D. KH. Some essential problems of bay-laurel culture. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 4:83-92. Ref. 1965. 68.19 M28
English summary.
Laurus nobilis.
- 8328 CLOS, E. C., and GERMANN, C. E. Bibliography on hops (*Humulus lupulus*). (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1):15-42. 1966. 9 R32
English summary.
- 8329 DOLABERIDZE, M. M. The production of tea seeds and the prospects of its improvement in the Georgian SSR. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:9-12. 1965. 68.19 M28
English summary.

- 8330 DZHANELIDZE, V. S., RAZMADZE, E. G., and GOTSIRIDZE, V. V. Results of the state selected tea varietal tests in the Georgian SSR. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:23-26. 1965. 68,19 M28
English summary.
- 8331 EVSTAF'YEV, V. A. Tea breeding and seed production in the Krasnodar Territory. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:35-38. 1965. 68,19 M28
English summary.
- 8332 FEDOROV, A. A. Plant resources of the U.S.S.R. in national economy and medicine. (Rus) Rastitel. Resursy 1(1):5-18. 1965. 450 R18
- 8333 FOSTER, G. B. Herbs for every garden. New York, 1966. 255 p. Ref. SB351.H5F6
- 8334 GREEN, R. H., and HYMER, S. H. Cocoa in the Gold Coast: a study in the relations between African farmers and agricultural experts. J. Econ. Hist. 26(3):299-319. Sept. 1966. 277.8 J822
- 8335 GRIGOROV, I. Grecian laurel [*Laurus nobilis*] in the Sandanski-Petrich District. (Bu) Priroda [Sofia] 14(2):88-91. Mar./Apr. 1965. 410 P934
Culture.
- 8336 GUILLARMOD, A. J. A contribution towards the economic botany of Basutoland. Bot. Not. 119(2):209-212. 1966. 450 B656
Wild food plants.
- 8337 HANSSON, A. Honey plants. 19. Yellow sweet-clover [*Melilotus officinalis*]. (Sw) Bitidningen 65(7/8):220-221, map. July/Aug. 1966. 424.8 B54
- 8338 HANSSON, A. Honey plants. 19. Blueweed [*Echium vulgare*]. (Sw) Bitidningen 65(9):256-257, map. Sept. 1966. 424.8 B54
- 8339 HEMELEERS, J. Culture of culinary herbs. (Fl) Tuinbouwberichten 30(9):322-323. Sept. 1966. 80 T817
- 8340 HSIAO, P. K., and WANG, W. T. A study of the ranunculaceous medicinal plants in China, III. The medicinal plants of genus *Thalictrum* Linn. (Ch) Acta Pharm. Sinica 12(11):745-753. Nov. 1965. 396.8 Y1
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 46:27. Feb. 28, 1966. (JPRS 34,134; TT 66-30755) 241.7 Un34C
Issued by CFSTI.
- 8341 INTERNATIONAL UNION OF BIOLOGICAL SCIENCES. INTERNATIONAL COMMISSION FOR BEE BOTANY. Report of activities for the years 1962-1965, by A. Maurizio and J. Louveaux. (Ge) Z. Bienenforschung 8(8):267-273. July 1966. 424.8 Z3
Honey plants.
- 8342 JENKINS, G. E. Developments in Irish hop growing. Farm Res. News 6(6):127-130. Nov./Dec. 1965. 10.5 F223
- 8343 KESHELAVA, F. I. Tea culture in Kenya. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:131-138. 1965. 68,19 M28
- 8344 KONDRATENKO, P. T., and GUBANOV, I. A. State and prospects of research-work on medicinal plants in the U.S.S.R. (Rus) Rastitel. Resursy 1(1):19-30. 1965. 450 R18
- 8345 LEARD, H. H. Tung and soybeans as a workable farm combination. Amer. Tung News 17(8):10. Aug. 1966. 307.8 Am33
Culture.
- 8346 LI, C. C. What I have learned from working with Tsao-Tzu Brigade, of the oil (*Camellia oleosa*) producing region. (Ch) Scientia Silvae 10(4):354-356. Oct. 1965. 99.8 L632
Culture.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:23-24. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- 8347 LING, L. S., LU, H. C., and T'AN, P. C. A study of the grafting technique for *Aleurites fordii*. (Ch) Scientia Silvae 10(3):221-227. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:4. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 8348 LOEWENFELD, C. Herb gardening; why and how to grow herbs. Newton, Massachusetts, Branford, Company, 1965. 256 p. SB351.H5L6
- 8349 LOOF, B. Cultivation technique for poppy [*Papaver somniferum*]. (Sw) Sveriges Utsädesforen. Tidskr. 76(2/3):213-224. Ref. 1966. 61.9 Sv23
English summary.
- 8350 MAMEDOV, M. A. Breeding and seed production of tea in Azerbaijan SSR. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:31-34. 1965. 68,19 M28
- 8351 MESZAROS, F. Relation between hop quality and picking time. (Hu) Magyar Mezőgazdaság 21(32):11. Aug. 10, 1966. 19 M27
- 8352 MUTOVKINA, T. D. Clonal breeding and vegetative propagation of tea plants. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:27-30. 1965. 68,19 M28
English summary.
- 8353 NIGERIAN INSTITUTE FOR OIL PALM RESEARCH. First annual report, 1964/65. Benin City, 1965. 117 p. SB299.P3N6
- 8354 PATARAVA, D. T. A system of cultural methods to increase productivity of tea plantations. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:19-22. 1965. 68,19 M28
English summary.
- 8355 PERALTA, V. Distances and systems of coffee planting. (Sp) Nuestra Tierra 9(1/2):19-21. 1965. 8 N882
- 8356 PONTE, A. M. DA. Factores de que depende o desenvolvimento, a producao e o rendimento economico do cafeeiro [Factors determining the development, productivity, and profits from a coffee tree]. Chianga, Instituto de Investigacao Agronomica de Angola, 1965. 5 p. SB269.P62
Chiefly cultural methods in Angola.
- 8357 PROCHAZKA, F. Classification cards for the evaluation of caraway varieties. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):77-80. Jan. 1966. QH431.A1S25
- 8358 REGUERAL, F. G. DE. Interesting possibilities of cultivating some of our spontaneous plants. (Sp) Agricultura [Madrid] 35(412):430-433. Aug. 1966. 15 Ag84
- 8359 RITZ, J. Modern culture of chicory. II. Seed production. (Se) Agron. Glas. 16(4/5):297-312. May 1966. 21.5 Ag84
- 8360 ROVESTI, P. The possibilities of phytotherapy in modern pharmacy. (It) Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet.-Aerosol 48(8):496-473. Aug. 1966. 309.8 R52
Use of drug plants; includes illustrations of the plants.
- 8361 SACHL, J. Autumn pruning insures yields. (Cz) Chmelarstvi 36(11):165. Nov. 5, 1965. 70.8 C33
Hops.
- 8362 SAKHOBIDDINOV, S. Study of drug plants in Uzbekistan. (Rus) Fergansk. Gos. Ped. In-t. Uch. Zap. Ser. Estestv. N. 5(1):29-59. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:44. Aug. 1965. Film S-202
- 8363 SANIKIDZE, V. I. Methods of the restoration of the yielding ability of old low-yielding tea plantations. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:3-18. Ref. 1965. 68,19 M28
English summary.
Culture.

- 8364 SHARAPOV, N. I., TIKHOMIROV, G. B., and SEREBRYAKOV, G. N. Plant resources for production of shellac in the U.S.S.R. (Rus) *Rastitel. Resursy* 1(1):66-73. Ref. 1965. 450 R18
- 8365 SHEKHAWAT, G. S. Present standard of poppy (*Papaver somniferum*) cultivation in Kota Region of Rajasthan. *Indian J. Agron.* 10(4):430-434. Dec. 1965. 22 In235
- 8366 SLABYHOUEK, K. Breeding hops for the resistance to *Peronospora*. (Cz) *Chmelarstvi* 38(5):76. (Cont.) May 25, 1966. 70.8 C33
- 8367 SLABYHOUEK, K. Breeding hops for the resistance to the *Peronospora*. (Cz) *Chmelarstvi* 39(6):91. June 25, 1966. 70.8 C33
- 8368 SOKOLOV, P. D. *Polygonum coriarium* Grig. as a source of tanning substances and its investigation and introduction. (Rus) *Rastitel. Resursy* 1(1):55-65. Ref. 1965. 450 R18
- 8369 VENT, L. On the genetics of hops. (Cz) *Chmelarstvi* 38(1):14-15. Jan. 20, 1966. 70.8 C33
Chiefly breeding.
- 8370 YANKULOV, I., and DELCHEV, G. Experiments to establish the best way of the propagation of *Valeriana officinalis* L. (Bu) *Rastenievudni Nauk.* 2(2):93-100. Ref. 1965. 64.8 R18
English summary.
Direct seeding and planting of seedlings.
- 8371 ZAKIROV, K. Z., MOTKHIN, I. N., and CHEVRENIDI, S. KH. Turkestan bouncingbet and the methods of its cultivation. (Rus) *Ferganck. Gos. Ped. In-t. Uch. Zap. Ser. Estestv. N.* 5(1): 21-23. 1964. Not in Libr.
Saponaria officinalis as drug plant.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:45. Aug. 1965. Film S-202

PLANT PATHOLOGY AND PROTECTION

- 8372 ALMEIDA, P. R. DE. A contribution to the study of the control of slugs on coffee plants. (Por) *Biologico* 32(4):65-69. Ref. Apr. 1966. 442.8 B529
With metaldehyde.
- 8373 AUSTRIA. BUNDESANSTALT FÜR PFLANZEN-SCHUTZ. Tätigkeitsbericht [Report of activity] 1961-1965. Wein, 1966. 220 p. 464.9 V672B
Reported by F. Beran.
- 8374 BAILLOD, M. Elements de parasitologie vegetale, a l'usage des ecoles d'agriculture [Basic data on plant parasitology for the use of agricultural schools]. Lausanne, Payot, 1966. 111 p. SB601.B3
Pests, diseases, weeds, and their control.
- 8375 BAKOS, I. Up-to-date seed treating technique and the development its equipment. (Hu) *Jarmuvek, Mezogazdasagi Gepek* 13(8):300-306. Ref. Aug. 1966. 58.8 J29
English summary, p. 4 of contents.
- 8376 BALINOV, I. S. Chemistry and plant protection. (Bu) *Priroda* [Sofia] 14(5):42-43. Sept./Oct. 1965. 410 P934
- 8377 BECKER, K. The repellent effect of *Verbascum thapsus* on mice. (Ge) *Anz. Schädlingkunde* 38(12):186-187. Dec. 1965. 421 An9
English summary.
- 8378 BOYCE, C. B. C., CROSSLAND, N. O., and SHIFF, C. J. A new molluscicide, N-tritylmorpholine. *Nature* [London] 210(5041):1140-1141. July 11, 1966. 472 N21
To control snails.
- 8379 CAMPFRAG, D. Education of personnel, scientific service and management of the plant protection in Bulgaria. (Se) *Biljna Zastita* 10(5): 115-118. May 1966. 464.8 B49
- 8380 CATALINA, L. Slugs and snails. (Csp) *Cult. Mod.* 49(6):219-220. June 1966. 15 C89
Plant pests and their chemical control.
- 8381 CH'EN, W. S., and MENG, M. C. A preliminary study of the blight disease of *Aleurites fordii*. (Ch) *Scientia Silvae* 10(4):362-363. Oct. 1965. 99.3 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:26-27. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- 8382 DEATHERAGE, J. R. New horizons in research. U. S. D. A. Yearbook Agr. 1966:367-377. 1 Ag84Y
Plant and livestock pest and disease control.
- 8383 DYKSTRA, W. W. Damage by rodents and other wildlife. U. S. D. A. Yearbook Agr. 1966:69-73. Ref. 1 Ag84Y
Plant and food pests; includes toxicity of economic poisons to wildlife.
- 8384 FISCHER, H. Twenty years of professional plant protection in Schleswig-Holstein. (Ge) *Biljna Zastita* 18(7):134-138. July 1966. 464.8 B49
Includes teaching.
- 8385 GERMANY (FEDERAL REPUBLIC) BIOLOGISCHES BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. [Annual reports of the German plant protection services [Deutsche Pflanzenschutzdienstes]] 13th year, 1963. Braunschweig, 1965. Ref. 391 p. 464.9 B833J
- 8386 GOLYSIN, N. M., and KUKALENKO, S. S. Development of new economic poisons in USA. (Cz) *Agrochemia* [Bratislava] 6(6):169-172. Ref. 1966. 385 Ag88
- 8387 INTERNATIONAL SYMPOSIUM ON CROP PROTECTION, 17, GHENT, 1965. [Selected abstracts of papers]. *Pesticide Progr.* 4(1):4-31. Jan. 1966. 79.8 P434
- 8388 IVANOVA, T. Preventive measures during the work with nitraphen. (Rus) *Zashch. Rast. Vred. Bolezni* 11:23. 1965. 421 Z1
In plant protection.
- 8389 KOTOVA, V. V., KRUPYANOVA, V. D., and SHEKUNOVA, E. G. Diseases of legumes. (Rus) *Vses. Nauch.-Issled. Inst. Zashch. Rast.* Tr. 22:232-238. 1964. 464.9 L542S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:53. Aug. 1965. Film S-202
- 8390 LIU, Y. Y., and CH'EN, T. N. The morphology and habits of *Amphioxus* and its harm to agriculture. (Ch) *Shengxue Tongbao* 1:23-27. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 52:6. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 8391 MACELJSKI, M. More on the plant protection in Rumania. (Se) *Biljna Zastita* 10(4):96-97. Apr. 1966. 464.8 B49
- 8392 MASURAT, G. Prognosis for plant protection 1966. (Ge) *Feldwirtschaft* 7(4):216-218. Apr. 1966. 18 W763
East Germany.
- 8393 MASURAT, G., and NOLL, J. Prognosis for plant protection 1966. II. (Ge) *Feldwirtschaft* 7(5):268-269. May 1966. 18 W763
- 8394 MILLER, P. R., and MCGRATH, H. Plant diseases and nematodes. U. S. D. A. Yearbook Agr. 1966:39-48. 1 Ag84Y
Control.
- 8395 PFLANZEN-SCHUTZMITTEL-verzeichnis [Plant protection materials catalogue], 1966. Brunswick. Biol. Bundesanst. Land-Forstwirtschaft. *Merkbl.* 1, ed. 19, 111 p. Mar. 1966. 464.9 B833M
- 8396 RADEMACHER, B. 75 years ago: founding the *Zeitschrift für Pflanzenkrankheiten*. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzen-schutz* 73(1/2):1966. 464.8 Z3
First issue January 1891.
- 8397 RADULESCU, E., and others. The integrated control of pests and diseases of plants. (Rum) *Probl. Agr. [Bucharest]* 17(5):74-79. May 1966. 21 R862
C. Rafaila, A. Savescu, and A. V. Alexandri, joint authors.

- 8398 SHEFFIELD, F. M. L. Protecting local crops from foreign diseases. *East Afr. Agr. Forest.* J. 31(2):199-202. Oct. 1965. 24 Ea74
Quarantine in East Africa.
- 8399 WAGENINGEN, INSTITUUT VOOR PLANTEN-ZIEKTENKUNDIG ONDERZOEK. Jaarverslag [Annual report of the Institute of Phytopathological Research], 1965. Wageningen, 1966. 156 p. 464.9 W123J
English summary.
Diseases and pests.
- 8400 WESTING, A. H. Sugar maple decline: an evaluation. *Econ. Bot.* 20(2):196-212. Ref. Apr./June 1966. 450 Ec7
- 8401 ZISLAVSKY, W. Plant protection warning reports henceforth by subscription also. (Ge) *Planzenarzt* 19(5):56-58. May 1, 1966. 464.9 P482
Diseases of Field Crops
- 8402 BAGGER, O. Some present day diseases and pests of grain. (Da) *Landbonyt* 20(9):312-316. Sept. 1966. 11 L2322
- 8403 BOCHKAREVA, Z., and OSTROUKHOV, M. Long storage of treated corn seeds. (Rus) *Zashch. Rast. Vred. Boleznei* 11:17-18. 1965. 421 Z1
Its effect on susceptibility of planted seeds to diseases and insects.
- 8404 DUBROVSKII, VU. A. *Ellobius talpinus* Pall. of the Issyk-kul lake hollows and the effect of its activity on vegetation and soils. (Rus) *Mater. Poznaniya Fauny Flory SSSR. Novaya Ser. Otd. Zool.* 40(7):121-144. Ref. 1965. 411 M411
English summary.
Chiefly as pest of pastures.
- 8405 ITO, H., and others. A study of a labor-saving method to control rice diseases and pests. 5 p. *Transl.* 16190
T. Hashimoto, R. Igarashi, H. Sekizawa, S. Ito, and B. Chiba, joint authors.
Translation from Society of Plant Protection of North Japan. Annual Report 15. Sept. 1964.
- 8406 KHALEVA, Z. N., and TIKHONOVA, N. A. Pea diseases. (Rus) *Vses. Nauch.-Issled. Inst. Zashch. Rast. Tr.* 22:236-243. 1964. 464.9 L542S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rasteniedov.* 15:53. Aug. 1965. Film S-202
- 8407 MOKROTOVAROV, S. Pests and diseases of rice in Indonesia. (Rus) *Zashch. Rast. Vred. Boleznei* 11:49-50. 1965. 421 Z1
Includes control.
- 8408 POPOVA, T., and KORNEEVA, E. New developments in the treatment of flax seeds. (Rus) *Zashch. Rast. Vred. Boleznei* 11:18-19. 1965. 421 Z1
For control of diseases and pests.
- 8409 STEPHAN, S., and MASURAT, G. Retrospective view on the occurrence of diseases and pests in 1965. (Ge) *Feldwirtschaft* 7(4):202-204. Apr. 1966. 18 W763
Field crops in East Germany.
- 8410 ULLSTRUP, A. J. Corn diseases in the United States and their control. U. S. D. A. Agr. Handbook 199, rev., 44 p. Apr. 1966. 1 Ag84Ah
Purdue University Agricultural Experimental Station, cooperating.
Fungus, bacterial, and virus diseases.
- 8411 WENNERSTROM, S. Agriculture and mercury treatment. (Sw) *Varlands Lans Hushallings-salisk. Arsherat*, 1966:144-146. 11 V43
Regulation for the treatment of grain seed with mercury compounds for disease control.
Diseases of Horticultural Crops
- 8412 BELYAEVA, A. Basic diseases of cabbage. (Rus) *Zashch. Rast.* 11:35-36. 1965. 421 Z1
Includes control.
- 8413 BESSON, J. Protection of melons in Aquitaine: antifungal seed treatments and protection of seedlings from field mice. (Fr) *Phytoma* 17 (169):40-43. June 1965. 464.8 P563
Includes insect pests.
- 8414 BISSONNETTE, H. Plant disease control in the home garden. N. Dak. State Univ. Ext. Circ. A-469, 2 p. May 1965. 275.29 N812Sa
Vegetables and ornamental plants.
- 8415 BISSONNETTE, H. L. Plant disease control; house plant troubles. N. Dak. State Univ. Ext. Circ. A-481, 4 p. Jan. 1966. 275.29 N812Sa
- 8416 BISSONNETTE, H. Spray or dust in the home garden. N. Dak. State Univ. Ext. Circ. A-470, 2 p. May 1965. 275.29 N812Sa
Insects and diseases; includes equipment.
- 8417 BORZINI, G. Considerations on protection of vineyards in the current season. (It) *Colt. G. Vinicolo Ital.* 112(5):169-170. May 1966. 16 C72
Disease and pest control.
- 8418 COLBRANT, P., and HATT, J. M. Eradication of field vole by submersion of orchards in Provence. (Fr) *Phytoma* 17(169):35-38. June 1965. 464.8 P563
- 8419 DISEASES and pests of grape vine: their control with Mico special formulations. *Mysore Insecticides Co. Tech. Bull.* 24, 7 p. Aug. 1965. 423.92 M99
- 8420 HINES, C., and others. Pecan insect and disease control in commercial orchards. *Miss. State Univ. Ext. Publ.* 461, rev., 11 p. Mar. 1966. 275.29 M68Exb
A. G. Bennett, D. F. Young, and W. F. Moore, joint authors.
Chemical control.
- 8421 LIBBY, J. L., and ABRAMS, J. I. Anticoagulant rodenticide in paper tubes for control of meadow mice. *J. Wildlife Manage.* 30(3):512-518. Ref. July 1966. 410 J827
Control of pests of apple trees with Prolin.
- 8422 LOPEZ DE SAGREDO, F., and ARROYO VARELA, M. Pests and diseases of ornamental plants. (Sp) *Agricultura [Madrid]* 35(412):437-443. (Cont.) Aug. 1966. 15 Ag84
- 8423 MACSWAN, C., and EVERY, R. W. Spray schedule for home orchard. *Oreg. State Univ. Ext. Circ.* 631, rev., 6 p., folder. June 1966. 275.29 Or32C
Insects and diseases.
- 8424 ORCHI, M. DE. Control of *Phytophthora* and *Ootiorhynchus [cribricollis]*. (It) *Agrumi* 9(8): 113-114. Aug. 1965. 80 Ag8
- 8425 PAPOYAN, F. A. Kinds and distribution of diseases of peas and horsebeans in Armenian SSR. (Arm) *ArmSSR. M-vo Proiz-va i Zago-tovok S.-Kh. Productov* 11/12:160-169. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rasteniedov.* 15:53. Aug. 1965. Film S-202
- 8426 SCHONIGER, K. Preliminary experiences with chemical selection of seed potatoes. (Ge) *Feldwirtschaft* 7(5):269-272. May 1966. 18 W763
Use of herbicides for killing diseased plants.
- 8427 SHUVALOVA, S. Diseases of potatoes in Kurgan Region. (Rus) *Zashch. Rast. Vred. Boleznei* 11:19-20. 1965. 421 Z1
- 8428 STENSETH, C. Snails as pests. (No) *Norsk Hagetid.* 82(9):192. Sept. 1966. 80 N81
Of vegetables.
- 8429 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Controlling tomato diseases. U. S. D. A. *Farmers' Bull.* 2200, rev., 10 p. Apr. 1966. 1 Ag84F
Diseases of Forest Trees
- 8430 GIBSON, I. A. S. Forest pathology in East Africa. *East Afr. Agr. Forest.* J. 31(2):194-198. Ref. Oct. 1965. 24 Ea74
Forest diseases.
- 8431 PROCTER, J. E. A. Diseases of pines in the Southern Highlands Province, Tanganyika. *East Afr. Agr. Forest.* J. 31(2):203-209. Oct. 1965. 24 Ea74

Bacterial Diseases

- 8432 BEARDSLEY, R. E., and LIPETZ, J. Effects of 5-fluorouracil and 5-fluorodeoxyuridine on growth and tumor-inducing ability of *Agrobacterium tumefaciens*. *J. Bacteriol.* 92(2):346-348. Ref. Aug.1966. 448.3 J82
- 8433 BEARDSLEY, R. E., and others. Mechanisms of tumor induction in crown gall. I. Production and pathogenicity of spheroplasts of *Agrobacterium tumefaciens*. *Cancer Res.* 26(8,pt.1): 1606-1610. Ref. Aug.1966. 448.8 C16
T. Stonier, J. Lipetz, and C. L. Parsons, joint authors.
- 8434 GORLENKO, M. V. Bakterial'nye bolezni rastenii [Plant bacterial diseases]. Ed. 2, rev. and enl. Moskva, Vysshaya Shkola, 1966. 291 p. Ref. SB734.G6
- 8435 KLAMBT, D., THIES, G., and SKOOG, F. Isolation of cytokinins from *Corynebacterium fascians*. *Nat. Acad. Sci. Proc.* 56(1):52-59. Ref. July 1966. 500 N21P
Pathogenic to tobacco.
- 8436 KULYKOV'SKA, M. D. Variability of phytopathogenic bacteria in natural and artificial conditions. (Uk) *Mikrobiol. Zhur.* 27(1):76-84. Ref. 1965. 448.3 K54
- 8437 LAMBINA, V. A., and KE-YAN, U. Transformation of streptomycin resistance in the saprophytic and phytopathogenic varieties of *Pseudomonas fluorescens*. (Rus) *Mikrobiologiya* 34(1):86-90. Jan./Feb.1965. 448.3 M582
English summary.
- 8438 LEY, J. DE., and others. Approach to an improved taxonomy of the genus *Agrobacterium*. *J. Gen. Microbiol.* 43(1):7-17. Ref. Apr.1966. 448.3 J823
M. Bernaerts, A. Rassel, and J. Guilmoit, joint authors.
Pathogenic to plants.
- 8439 LIPETZ, J. Crown gall tumorigenesis. II. Relations between wound healing and the tumorigenic response. *Cancer Res.* 26(8,pt.1):1597-1605. Ref. Aug.1966. 448.8 C16
On *Kalanchoe daigremontiana*; caused by *Agrobacterium tumefaciens*.
- 8440 NIKITINA, K. A. Bacterial diseases and legume varieties resistant to them. (Rus) *Leningr. Vses. Inst. Rastenievod. Sb. Tr.* 1:68-71. 1964. 20 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:55. Aug.1965. Film S-202
- 8441 SAMOSUDOVA, E. V. Freeze-drying of phytopathogenic bacteria. (Rus) *Mikrobiologiya* 34(3):551-555. Ref. May/June 1965. 448.3 M582
English summary.
- 8442 THIMANN, K. V., and SACHS, T. The role of cytokinins in the "fasciation" disease caused by *Corynebacterium fascians*. *Amer. J. Bot.* 53(7):731-739. Ref. Aug.1966. 450 Am36
Kinetin applied to peas, *Lathyrus odoratus*, and *Chrysanthemum*.
- 8443 TRAKHTENBERG, D. M., and KAN, A. M. Recovery of phytoactinomycin by an ion-exchange procedure and study of its properties. (Rus) *Antibiotiki* 10(1):38-43. Ref. Jan.1965. 396.8 An84
English summary.
Control of plant bacterial diseases.
- 8444 ZIMMERER, R. P., HAMILTON, R. H., and POOTJES, C. Isolation and morphology of temperate *Agrobacterium tumefaciens* bacteriophage. *J. Bacteriol.* 92(3):746-750, Sept.1966. 448.3 J82
Causing crown gall.

Bacterial Diseases - Field Crops

- 8445 KOROL'OVA, I. B. Bacterial diseases of lupine. (Uk) *Mikrobiol. Zhur.* 27(2):87-91. Ref. 1965. 448.3 K54
- 8446 LUSIN, V. Quarantine diseases of the corn. (Se) *Biljna Zastita* 10(6/7):130-132. June/July 1966. 464.8 B49
Chiefly bacterial and fungus diseases.

- 8447 YOSHIMURA, S. Seasonal change in *Xanthomonas oryzae* phage population within irrigation water in relation to bacterial leaf blight of rice plant. 17 p. Ref. Transl. 15576
Translation from *Nogyo Gijutsu* 18(1):21-25. 1963.

Bacterial Diseases - Horticultural Crops

- 8448 BAKER, L. A. E. Characteristics of English isolates of *Pseudomonas syringae* van Hall from pear. *J. App. Bacteriol.* 29(2):292-300. Ref. Aug.1966. 448.39 S012
- 8449 BELTYUKOVA, K. H., and HALINS'KA, M. S. Effect of pre-sowing seed treatment of tomatoes with arenarin on enhancement of the resistance of the plants to *Corynebacterium michiganense*, agent of bacterial cancer. (Uk) *Mikrobiol. Zhur.* 27(2):48-52. 1965. 448.3 K54
English summary.
- 8450 FEDOROVA, L. S. Development of resistance to streptomycin by causal organism of toxic bacteriosis in watermelons. (Rus) *Saratovsk. Un-t. Vyp. Biol. i S.-Kh. Tr. Molodykh Uchenykh* 1964:32-37. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:55. Aug.1965. Film S-202
- 8451 FLORIDA. AGRICULTURAL EXPERIMENT STATION, INDIAN RIVER FIELD LABORATORY. Bacterial leaf spot of tomatoes, its dissemination and control problems. *Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Rep.* 66-411 p. May 11, 1966. 100 F664
Caused by *Xanthomonas vesicatoria*.
- 8452 GARRETT, C. M. E., PANAGOPOULOS, C. G., and CROSSE, J. E. Comparison of plant pathogenic *Pseudomonas* from fruit trees. *J. App. Bacteriol.* 29(2):342-356. Ref. Aug.1966. 448.39 S012
Isolated from cherry and plum trees and compared with isolates from pear trees.
- 8453 HELGESON, J. P., and LEONARD, N. J. Cytokinins, identification of compounds isolated from *Corynebacterium fascians*. *Nat. Acad. Sci. Proc.* 56(1):60-63. Ref. July 1966. 500 N21P
Pathogenic to tobacco.
- 8454 HOLMBERG, C. Ringbakterios eller bakteriel ringrota i potatis; en sammanställning av tio års bekämpningsåtgärder i Sverige fran och med hasten 1955 till och med varen 1965 [Ring bacteriosis or bacterial ring rot of potatoes; a review of ten years control measures in Sweden from and including the fall 1955 to and including spring 1965]. *Swed. Stat. Vaxtskyddsansl. Medd.* 13:265-279. Ref. 1966. 464.9 Sw3M
German summary.
Caused by *Corynebacterium sepeodonicum*.
- 8455 MYGIND, H. Potato scab. (Da) *Landbonyt* 20(3):100-101, 104. Mar.1966. 11 L2322
Caused by *Streptomyces*.
- 8456 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Perevuur ("Fright blight"). *Neth. Plantenziektenkundige Dienst. Ber.* 1967, 3 p. May 10, 1966. 464.9 N38
Caused by *Erwinia amylovora* on pears.

Fungus Diseases

- 8457 CABACCANG, F. R., ILAG, L. L., and SAN JUAN, M. O. Sporulation and infectivity of several eggplant isolates of *Phytophthora parasitica* Dastur. *Philippine Agr.* 49(3):222-234. Ref. Aug.1965. 25 P542
Tests with various plants.
- 8458 CH'EN, S. C., T'EN, T. C., and KUO, L. H. Development and spread of the anthracnose of *Camellia oleosa* (Lour.) Rehd. (Ch) *Acta Phytophylacica Sinica* 4(3):207-218. Aug.1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Commun. Chn. Sci. Abstr. Bio-Med. Sci.* 48:2-3. Mar.3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
Issued by CFSTI.

- 8459 DRAGUSIN, I., and TOTIR, N. New methods for the determination of organo-mercuric compounds used as fungicides. III. Rev. Roumaine Chim. 11(5):651-656. May 1966. 385 R3222
- 8460 EBING, W. Microdetermination of some fungicides with infrared spectrometry. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 17(10): 155-157. Oct. 1965. 442.9 B832
Residue determination.
- 8461 ECKSTEIN, Z., and DOMANSKA, H. On the systemic activity of some hydroxamic acid derivatives. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(3):2007-2020. Ref. 1965. 105.1 G344
Fungicides.
- 8462 GORDON, M. A., and LAPA, E. W. Durhamycin, a pentamene antifungal antibiotic from *Streptomyces durhamensis* sp. n. Appl. Microbiol. 14(5):754-760. Ref. Sept. 1966. 443.3 Ap5
- 8463 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Verticillium wilt of hops. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 413, rev. 6 p. Nov. 1965. 10 G79La
Caused by *Verticillium albo-atrum*; includes control.
- 8464 KECHAKMADZE, L. A. Morphology and biology of fungus (*Macrophoma georgica*) agent of macrophomosis in Grecian-laurel plants. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:105-116. Ref. 1965. 68.19 M28
English summary.
- 8465 KOWALIK, R., ed. Chemiczne srodki grzybobojcze (fungicydy) [Chemicals for control of fungi (fungicides)]. Warszawa, Panstwowe Wydawnictwo Rolnicze i Lesne, 1965. 321 p. SB951.K6
Plant pathogens and molds on food and industrial materials.
- 8466 KVARTSKHAVA, P. A. Phytophthora in Grecian-laurel plants. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 2:117-120. Ref. 1965. 68.19 M28
English summary.
Caused by *Phytophthora citrophthora*.
- 8467 LEAKEY, C. L. A. Sudden death disease of cacao in Uganda associated with *Verticillium dahliae* Kieb. East Afr. Agr. Forest. J. 31(1): 21-24. Ref. July 1965. 24 Ea74
- 8468 MRAZ, F., and MARTINEK, V. The effect of heterosis upon the infestation of poppyheads with the fungus *Helminthosporium papaveris* Hennig. I. The health effect of heterosis. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 1(4):25-36. Oct. 1965. QH431.A1S25
English summary.
- 8469 PERERA, M. L. Anthracnose of *Gomphrena globosa* produced by *Colletotrichum gloeosporioides* var. *gomphrenae* nov. var. (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1):5-13. 1966. 9 R32
English summary.
- 8470 PETRIK, Z., and STYS, Z. Checking the quality of copper preparations for spraying hops with the method of impression of hop parts. (Cz) Chmelarstvi 38(7):105-106. July 5, 1965. 70.8 C33
In the control of *Peronospora*.
- 8471 SHOMOVA, E. A., RUDAVSKII, V. P., and HASKIN, I. G. On fungicidal activity of some aromatic trichloroacetamide derivatives. (Rus) Mikrobiologiya 34(4):715-719. July/Aug. 1965. 448.3 M582
English summary.
Effect of phytopathogenic fungi.
- 8472 SIDIQI, M. A., and CORBETT, D. C. M. Fusarium bark diseases of coffee; a report on research carried out in Malawi. East Afr. Agr. Forest. J. 31(1):11-15. Ref. July 1965. 24 Ea74
Caused by *Fusarium stilboides*; includes collar rot and scaly bark.
- 8473 TURAEV, N. S., and NOVIKOV, E. G. Chemicals for plant protection made from coke by-products. (Rus) Khim. Sel'skom Khoz. 4(4): 23-30. Ref. Apr. 1966. 385 K524
Chiefly testing of fungicides.
- 8474 TURNER, P. D. Serious outbreak of blast disease in an oil palm nursery. FAO Plant Protect. Bull. 13(6):138-139. Dec. 1965. 421 P692
Rhizoctonia sp. as causal organism in Malaysia.
- 8475 TWIST, T. K., and COLTMAN, W. F. Organic matter and healthy coffee with reference to coffee berry disease and quality. Kenya Coffee 31(366):261,263-267. June 1966. 68.29 C652
- 8476 VUKOVITS, G. Lessons of the scab control experiments of 1965. (Ge) Pflanzenschutz 19(5):58-61. May 1, 1966. 464.9 P482
Fungicides tests.
- 8477 VUKOVITS, G. To the topic "scab warning service." (Ge) Pflanzenschutz 19(4):40-43. Apr. 1, 1966. 464.9 P482
- 8478 WANG, W. W. Epiphytological observations on powdery mildew of mulberry leaves in Kwantung. (Ch) Acta Phytophylacica Sinica 4(3):299-300. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:15. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
Fungus Diseases - Field Crops
- 8479 ARENTSEN STEEGER, S. Distribution of pathogens causing damping-off of sugar beets on a hundred Chilean soils. (Sp) Simiente 35(1/3): 29-34. Ref. 1965. 9.3 S14
Fungi.
- 8480 BABAYAN, A. A., and AZARYAN, G. KH. Downy mildew of tobacco in Armenia. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 17(12): 29-37. 1964. 20 Er4
Caused by *Peronospora*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:59. Aug. 1965. Film S-202
- 8481 BARES, I. A contribution to the varietal resistance of winter wheats to the stinking smut of wheat (*Tilletia caries* [De Cand.] Tul.) after artificial infections. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):43-50. Ref. Jan. 1966. QH431.A1S25
English summary.
- 8482 BARES, I., and SVOBODA, V. On the varietal resistance of spring barleys to the loose smut (*Ustilago nuda* [Jensen] Rostrup) under conditions of artificial infections. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(1):33-42. Ref. Jan. 1966. QH431.A1S25
English summary.
- 8483 BARTOS, P., and SEBESTA, J. The effect of rusts on the weight of wheat determined by the application of fungicides. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Ochrana Rostlin 2(2):85-90. Ref. May 1966. 464.8 Sb5
English summary.
- 8484 BENADA, J. The gradients of oxidation-reduction potentials in cereals and the dependence of obligate parasites on the redox potentials of the host tissues. Phytopathol. J. 55(3):265-290. Ref. Mar. 1966. 464.8 P562
Fungus diseases.
- 8485 BISSONNETTE, H. L., and PEPPER, E. H. Ergot of cereals and grasses. N. Dak. State Univ. Ext. Circ. A-485, 2 p. Feb. 1966. 275.29 N812Sa
Caused by *Claviceps*.
- 8486 BOCKMANN, H. The effect of chlorocholine chloride (CCC) on stem break disease of wheat (*Cercospora helminthosporica* Fr.) (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:381-383. 1965. 464.8 Z33
English summary.
- 8487 CHARUDATTAN, R., and KALYANASUNDARAM, R. Carrier hosts of *Fusarium vasinefectum* Atk. Phytopathol. J. 55(3):239-242. Ref. Mar. 1966. 464.8 P562
Causal organism of cotton wilt in India.

- CHRISTENSEN, C. M., and others. Toxicity to rats of corn invaded by *Chaetomium globosum*. *Appl. Microbiol.* 14(5):774-777. Sept. 1966. 448.3 Ap5
- G. H. Nelson, C. J. Mirocha, F. Bates, and C. E. Dorworth, joint authors.
- CORBETT, D. C. M., and BROWN, P. Fungicidal control of *Cercospora* leaf-spots of groundnuts in Malawi. *Rhodesia Zambia Malawi J. Agr. Res.* 4(1):13-21. Ref. Jan. 1966. 24 R3472
- Caused by *Cercospora personata* and *C. arachidicola*.
- DEBRUCK, J. Untersuchungen über die Wirkung von Stroh-Gründungen und Stickstoffdüngung auf Fuskrankheiten und Ertragsbildung bei Getreide [Research on the effects of straw green manure and nitrogen fertilizer on foot disease [*Cercospora* leaf-spot diseases] and yield formation in grain]. Giessen, Justus-Liebig-Universität. *Landwirtsch. Fak. [Diss.]* 8,165 p. 1964. 105.8 G36
- Bibliography, p.131-140.
- DOGMA, I. J., and EXCONDE, O. R. Relationship between seed-borne fungi and seed treatment of corn. *Philippine Agr.* 49(4):267-278. Ref. Sept. 1965. 25 P542
- DOLLING, D. A. The economics of cereal diseases and possible future developments. *Farming Progr.*, Oct. 1965:3-4. 10 F2244
- Fungus diseases in barley, wheat, and oats in Great Britain.
- DUKES, P. D. Variation and races of black shank fungus [*Phytophthora parasitica* nictitans]. *Flue Cured Tobacco Farmer* 2(9):14-15. Nov. 1965. SB2173.A1F58
- DUNLEAVY, J. M., and LAMBE, R. C. Brown stem rot is spreading in Iowa soybean fields. *Soybean Dig.* 26(11):18-20. Aug. 1966. 60.38 So9
- Cephalosporium gregatum*, causal agent.
- FANG, C. C., and JUNG, W. C. Notes on the black blight of jute. (Ch) *Acta Phytophylacica Sinica* 4(3):297-298. Aug. 1965. Not in Libr.
- Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Commun. Chin. Sci. Abstr. Bio-Med. Sci.* 48:14. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- FOCKE, I. *Stemphylium botrysomum* Wallr. (stat. perf.): *Pleospora herbarum* [Pers.] Rabenhorst as causative agent of leaf spot on alfalfa. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss.* 120(3):288-294. Ref. 1966. 448.3 C33
- English summary.
- FRIC, F., and HASPEL-HORVATOVIC, E. Contribution to the study of increased glycolysis in barley infected with downy mildew (*Erysiphe graminis* f. sp. *hordei* Marchal). (Ge) *Phytopathol. Z.* 55(3):243-256. Ref. Mar. 1966. 464.8 P562
- GAMBOGI, P. On the mycoflora of sugar beet commercial seeds. (It) *Ann. Sperim. Agr. (n.s.)* 118(5/6):815-849. Ref. 1964, pub. 1966. 16 An76
- English summary.
- Pathogenic and non-pathogenic.
- GERLAGH, M. A perspex box for microscopic observation of living roots. *Neth. J. Plant Pathol.* 72(4):248-249. 1966. 464.8 T44
- Ophiobolus graminis* on wheat.
- GOLATO, C. Smuts on sorghum in Somalia. (It) *Riv. Agr. Subtrop. Trop.* 60(1/3):84-88. Jan./Mar. 1966. 26 Ag82
- Sphecolotheca sorghi* and *Sphecolotheca cruenta*.
- GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Cereal take-all. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 304, rev. 5 p. Sept. 1965. 10 G79La
- Caused by *Ophiobolus graminis* on wheat and barley; includes control.
- HASSEBRAUK, K. Nomenklatur, geographische Verbreitung und Wirtschaft des Gelbrostes, (*Puccinia striiformis* West) [Nomenclature, geographical distribution and host range of yellow rust (*Puccinia striiformis* West)]. *Berlin Biol. Bundesanst. Land-Forstwirtschaft. Mitt.* 116, 75 p. Nov. 1965. 410.9 G31M
- Review of literature.
- Of grasses and cereals.
- IREN, S. Studies on the distribution, taxonomical and biological aspects of *Helminthosporium* spp. on rice and related wild hosts in Turkey. Ankara Univ. Fac. Agr. Yearbook 1964: 161-163. 1965. 25 An42
- ITO, S., and ISHIZUKA, K. On the causal fungus of sesamoid leaf spot (leaf smut) of rice plant. 5 p. Transl. 15189
- Belonging to *Tilletiaceae*.
- Translation from Phytopathological Society of Japan. *Annals* 4:66-68. Dec. 1934.
- JOFFE, A. Z., and BORUT, S. Y. Soil and kernel mycoflora of groundnut fields in Israel. *Mycologia* 58(4):629-640, map. Ref. July/Aug. 1966. 450 M99
- Includes pathogens.
- KISPATIC, J. Corn leaf blight (*Helminthosporium turcicum* Pass.). (Se) *Biljna Zastita* 10(6/7):137-139. June/July 1966. 464.8 B49
- KISPATIC, J. Other diseases of corn. (Se) *Biljna Zastita* 10(6/7):142-144. June/July 1966. 464.8 B49
- Chiefly fungus diseases.
- KURIBAYASHI, K. On the germination of causal fungus [*Ectostroma cryzae*] of the rice leaf smut. 4 p. Transl. 16159
- Translation from Phytopathological Society of Japan. *Annals* 4:68-69. Dec. 1964.
- LEIFERSTAM, B. Studies in powdery mildew on wheat in Sweden. II. Physiological races in Scandinavia in 1962 and 1963 and the resistance in a number of wheats to Scandinavian races. *Swed. Stat. Vaxtskyddsanst. Medd.* 13(102/103): 169-183. Ref. 1965. 464.9 Sw3M
- LUSIN, V. Microflora of the stored corn seeds and its control. (Se) *Biljna Zastita* 10(6/7):144-147. June/July 1966. 464.8 B49
- Chiefly fungus diseases.
- MANUCHARYAN, M. A. Effect of minor elements on affection of tobacco by mildew. (Arm) *ArmSSR. M-vo Proiz-v. I Zayevok S. Kh. Productov* 8/9:71-77. 1964. Not in Libr.
- Foliar application.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:55-56. Aug. 1965. Film S-202
- MERCEDES MEDINA, P. A. Blue mold injures tobacco crops in the country. (Sp) *Agricultura [Santo Domingo]* 430:8-25. Mar. 1966. 8 R323
- Peronospora tabacina* in the Dominican Republic.
- MILATOVIC, I. Fusarium diseases of the corn. (Se) *Biljna Zastita* 10(6/7):135-136. June/July 1966. 464.8 B49
- MUKHAMEDOVA, A. P. Behavior of *Verticillium dahliae* Kleb. depending on ecology of plant cover. (Rus) *Vses. Simpozium po Bor'be s Viltom Khlopatnika*, Tashkent 1963:33-37. 1964. Not in Libr.
- Healing influence of rice on cotton wilt.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:55. Aug. 1965. Film S-202
- NAIM, M. S., SHAROUHEM, H. H., and HABIB, A. A. The relation of different nitrogen levels to the incidence of vascular wilt and growth vigour of Egyptian cotton. *Phytopathol. Z.* 55(3):257-264. Ref. Mar. 1966. 464.8 P562
- Fusarium oxysporum* f. *vasinfectum* and *F. moniliforme*, causal organisms in the United Arab Republic.
- NAPI-ACEDO, G., and EXCONDE, O. R. Penetration and infection of corn roots by *Pythium arhenomones*. *Philippine Agr.* 49(4):279-293. Ref. Sept. 1965. 25 P542
- OLOFSSON, B. Inoculation trials with loose smut (*Ustilago tritici*) of spring wheat. (Sw) *Swed. Stat. Vaxtskyddsanst. Medd.* 13(106/107): 281-288. 1966. 464.9 Sw3M
- English summary.
- Disease resistance.
- PAMJAN, M. Diseases of sunflowers. (Se) *Biljna Zastita* 10(4):73-76. Apr. 1966. 464.8 B49
- Chiefly fungus diseases.
- POPOV, V. I. Cotton wilt. (Rus) *Vses. Nauch.-Issled. Inst. Zashch. Rast. Tr.* 22:247-249. 1964. 464.8 L542S
- Caused by *Verticillium* and *Fusarium*.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:55. Aug. 1965. Film S-202

- 8520 POPOVA, T. E. Requirement in specific nutrient substances of the cotton wilt incitant *Verticillium dahliae* Kleb. (Rus) *Mikrobiologiya* 34(2):324-328. Mar./Apr. 1965. 448.3 M582 English summary.
- 8521 QUINTANA, I. J., and OU, S. H. Test of chemicals for the control of rice blast. *Philippine Agr.* 49(2):125-137. July 1965. 25 P542 Caused by *Piricularia oryzae*.
- 8522 RAYMUNDO, S. A., EXCONDE, O. R., and NECESARIO, R. S. Effect of dipping rice seedlings in fungicidal solutions for the control of rice blast. *Philippine Agr.* 49(3):180-190. Ref. Aug. 1965. 25 P542 Caused by *Piricularia oryzae*.
- 8523 RODER, W., and BAHN, E. Yield of types of grain as influenced by mildew and rust diseases, illustrated by a several years' research series in Bad Lauchstädt. (Ge) *Feldwirtschaft* 7(7):380-382. July 1966. 18 W763
- 8524 SAVENKO, L. Flax varieties resistant to *Fusarium*. (Rus) *Zashch. Rast. Vred. Bolezni* 11:52. 1965. 421 Z1
- 8525 SEBESTA, J., and BARTOS, P. Racial and varietal specification of the formation of teliospores in wheat stem rust (*Puccinia graminis f. sp. tritici* Erikss. et Henn.). (Cz) *Sb. UVTI (Ústav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):91-98. Ref. May 1966. 464.8 Sb5 English summary.
- 8526 SEMENKO, N. A scale for determination of susceptibility of wheat to rust diseases. (Rus) *Zashch. Rast. Vred. Bolezni* 11:32-33. 1965. 421 Z1
- 8527 SILAEV, A. B., and TOKHTAMURATOV, E. Study of tetraene antibiotics produced by *Actinomyces*. (Rus) *Antibiotiki* 10(1):27-30. Jan. 1965. 396.8 An84 English summary. Active against cotton wilt caused by *Verticillium dahliae*.
- 8528 STUBBS, R. W., VECHE, H., and FUCHS, E. Report on The Yellow Rust Trials Project in 1964. *Stichting Ned. Graan-Cent. Tech. Ber.* 15,113 p., map. Mar. 1966. 59.9 S525Tb On wheat and barley.
- 8529 TOKHTAMURATOV, E., and SILAEV, A. B. Isolation and purification of antibiotics produced by *Actinomyces tumefaciens*. (Rus) *Antibiotiki* 10(1):30-33. Ref. Jan. 1965. 396.8 An84 Active against *Verticillium dahliae* of cotton.
- 8530 TSENG, K. J., CHANG, K. C., and HSUEH, L. H. On the teliospore germination of *Puccinia graminis* var. *tritici*. (Ch) *Acta Phytolacica Sinica* 4(3):201-206. Aug. 1965. Not in Libr. Fungus disease of wheat. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 48:2. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 8531 ULLAH, A. K. M. O., and PREECE, T. F. Wheat root exudate and early stages of infection by *Helminthosporium sativum* Pann. King and Bakke. *Nature [London]* 210(5043): 1369-1370. June 25, 1966. 472 N21
- 8532 VELIKOVSKY, V. Determination of the area of infection and cases of snow mould of winter rye (*Fusarium nivale* [Fr.] Ces.) in Czechoslovakia. (Cz) *Sb. UVTI (Ústav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):107-114. Ref. May 1966. 464.8 Sb5 English summary.
- 8533 WAGNER, F. Is the control of corn smut (*Ustilago zeae*) possible with the surface spraying with fungicides. (Ge) *Gesunde Pflanzen* 18(4):78-79. Apr. 1966. 464.8 G33
- 8534 WU, Y. S., and others. An analysis of the physiological races of wheat stem rust in 1963. (Ch) *Acta Phytolacica Sinica* 4(3):294-296. Aug. 1965. Not in Libr. C. T. Huang, S. H. Wei, K. J. Tseng, and L. H. Hsueh, joint authors. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 48:14. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 8535 ZADOKS, J. C. Epidemiology of wheat rusts in Europe. *FAO Plant Protect. Bull.* 13(5):97-103, map. Ref. Oct. 1965. 421 P692
- 8536 ZAKOPAL, J., and HOSEK, K. The effect of radioactive cobalt on the vitality of the permanent zoosporangia of *Synchytrium endobioticum* (Shiib.) Perc. causing potato wart. (Cz) *Sb. UVTI (Ústav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):115-118. May 1966. 464.8 Sb5 English summary.
- 8537 SWATZ, B. Can seeds be protected from the snow mold in spring. (Ge) *Pflanzenarzt* 19(3): 24-25. Mar. 1, 1966. 464.9 P482 *Fusarium nivale* on grain.
- 8538 SWATZ, B. The May oat has crown rust. (Ge) *Pflanzenarzt* 19(2):37-38. Apr. 1, 1966. 464.9 P482 Caused by *Puccinia coronata*.
- 8539 SWATZ, B. Septoria (*S. nodorum*)—a dangerous wheat disease in wet years. (Ge) *Pflanzenarzt* 19(6):74-75, (7):83-84. June-July 1, 1966. 464.9 P482

Fungus Diseases - Horticultural Crops

- 8540 ABLAKATOV, A. A. Diseases of *Elaeagnus* [multiflora] in the Far East. (Rus) *Zashch. Rast. Vred. Bolezni* 11:43. 1965. 421 Z1 Fungus diseases and their control.
- 8541 ALEXANDRI, A. V., and DAVID, Z. Data on the control of the gray mold of grapes (*Botrytis fuckeliana* de Bary Wetzl.). (Rum) *Cardina, Via Livada* 15(8):53-56. Aug. 1966. 80 G75
- 8542 ALIPPI, H. E. Early blight on celery (*"Cercospora apii" Fres.*). (Sp) *La Plata. Univ. Nac. Fac. Agron. Rev.* 41(1):51-56. Ref. 1966. 9 R32 English summary.
- 8543 ANDEL, O. M. VAN. Mode of action of L-threo-beta-phenylserine as a chemotherapeutant of cucumber scab [*Cladosporium cucumerinum*]. *Nature [London]* 211(5046):326-327. July 16, 1966. 472 N21
- 8544 ARSVOLL, K. *Sjukdomar på gulrot* [Diseases of carrots]. Norway. Landbruksdep. Opplysningsstjenesten. Smaskr. 8, 4 p. 1966. 464.4 N83 Caused by *Acrothecium carotae*, *Centrospora acerina* and *Sclerotinia sclerotiorum*.
- 8545 BALASHOVA, N. N. Causal organisms of ascochyta of peas in Moldavia. (Rus) *Moldavskii Nauch.-Issled. Inst. Oroschaemog Zeml. Ovoshchevodstva*. Tr. 6(1):181-192. 1964. 55.9 M73 *Ascochyta pisi* and *Didymella pinodes*. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:53-54. Aug. 1965. Film S-202
- 8546 BALASHOVA, N. N., and BABAK, N. M. Mixed disinfectants and nystatin in control of *Ascochyta* of peas. (Rus) *Moldavskii Nauch.-Issled. Inst. Oroschaemog Zeml. Ovoshchevodstva*. Tr. 6(1):200-205. 1964. 55.9 M73 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:56. Aug. 1965. Film S-202
- 8547 BERGMAN, B. H. Presence of a substance in the white skin of young tulip bulbs which inhibits growth of *Fusarium oxysporum*. *Neth. J. Plant Pathol.* 72(4):222-230. Ref. 1966. 464.8 T44
- 8548 BIRD, J., and others. Fungus diseases of papaya in the U.S. Virgin Islands. *P. R. Univ. J. Agr.* 50(3):186-200. Ref. July 1966. 8 P832J A. Krochmal, G. Zentmyer, and J. Adsuar, joint authors. *Corynespora cassiicola* and a species of *Botryodiplodia* were isolated from tissues of plants affected by papaya decline diseases.
- 8549 BISSONNETTE, H. L. Black-knot of plums and cherries. *N. Dak. State Univ. Ext. Circ.* A-475, 2 p. Aug. 1965. 275.29 N812Sa Caused by *Dibotryon morbosum*; includes control.
- 8550 BISSONNETTE, H. L. *Verticillium* wilt in potatoes. *N. Dak. State Univ. Ext. Circ.* A-474, 2 p. Aug. 1965. 275.29 N812Sa Caused by *Verticillium albo-atrum*.

- 8551 BROCKSTAELE, L., and VULSTEKE, G. White rust [Albugo tragopogonis] and mildew [Erysiphe cichoracearum] on Scorzonera. (F) Tuinbouwberichten 30(7):246-247, 258. July 1966, 80 T817
- 8552 BOSMANS, A. Powdery mildew of cucumbers. (F) Tuinbouwberichten 30(9):319. Sept. 1966, 80 T817
Caused by Erysiphe cichoracearum; includes control.
- 8553 BROECK, H. VAN DEN. Wilt disease of tomatoes. (F) Tuinbouwberichten 30(7):242-243, July 1966, 80 T817
Caused by Verticillium albo-atrum.
- 8554 CHANG, Y., P'EI, P. H., and WANG, C. J. On the control of the black rot of sweet potato seedlings. (Ch) Acta Phytophylacica Sinica 4(3):195-200. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:1. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 8555 DEMECKO, J., STOTA, Z., and RAKUS, D. New data on the chemical control of Botrytis on strawberries. (Cz) Agrochimia [Bratislava 6(6):173-174, 1966. 385 Ag88
English summary.
- 8556 DYE, M. H. Silver leaf in nursery trees. Orchardist New Zeal. 39(6):186, 189. July 1966, 80 Or 19
Includes control.
- 8557 EPIG, J. A hazard of over head irrigation. Gladiolus 41:66-68, 1966. 96.43 N44
Incidence of neck rot.
- 8559 EPSTEIN, A. H. Preventing root graft transmission of Dutch elm disease. Iowa State Univ. Ext. Pam. 323, 2 p. Apr. 1966. 275.29 I69Pa
Control with Vapam.
- 8559 FINKBEIN, R. New regulations on the control of potato wart. (Ge) Gesunde Pflanzen 18(5):84-86. May 1966. 464.8 G33
Caused by Synchytrium endobioticum.
- 8560 GJOERUM, H. B. Spraying with urea against scab. (No) Yrkesfruktdyrking 2:23-24, 1966, 80 Y83
Apples and pears.
- 8561 GLAESER, G. The gray mold—number 1 enemy of ornamentals and vegetables in 1965. (Ge) Pflanzenarzt 19(7):85-87, July 1, 1966. 464.9 P482
Botrytis cinerea.
- 8562 GOLATO, C., and SCAVAZZON, R. Gummosis of grapefruit in Somalia. (It) Riv. Agr. Subtrop. Trop. 60(1/3):79-83. Jan./Mar. 1966, 26 Ag82
Caused by Phytophthora spp.
- 8563 GOLIADZE, SH. K. On the immunity of citrus plants to mal secco. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:83-88. Ref. 1965. 68.19 M28
English summary.
Caused by Deuterophoma tracheiphila.
- 8564 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Apple and pear scab. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 245, rev., 7 p. Jan. 1966, 10 G79La
Caused by Venturia inaequalis on apple, and by V. pirina on pear; includes control.
- 8565 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Apple powdery mildew. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 205, rev., 5 p. July 1965, 10 G79La
Caused by Podosphaera leucotricha; includes control.
- 8566 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Brown rot and blossom wilt of apples. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 155, rev., 6 p. Aug. 1965, 10 G79La
Sclerotinia fructigena, cause of brown rot; and S. laxa, cause of blossom wilt; includes control.
- 8567 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Common scab of the potato. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 5, rev., 3 p. July 1965, 10 G79La
Caused by Streptomyces scabies,
- 8568 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Gooseberry powdery mildews. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 273, rev., 5 p. Sept. 1965, 10 G79La
Caused by Sphaerotheca mors-uvae and Microsphaera grossulariae; includes control.
- 8569 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Potato and tomato blight. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 271, rev., 8 p. Apr. 1966, 10 G79La
Caused by Phytophthora infestans; includes control.
- 8570 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Silver leaf disease of fruit trees. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 246, rev., 7 p. Apr. 1966, 10 G79La
Caused by Stereum purpureum; includes control.
- 8571 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Tomato damping-off and foot rot. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 541, 3 p. Oct. 1965, 10 G79La
Includes control in England and Scotland.
- 8572 GRUBMAN, YU. A. New fungicides in control of apple scab and powdery mildew. (Rus) Vses. In-t Zashchity Rast. Azerb. St. Tr. 2:19-22. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:59. Aug. 1965. Film S-202
- 8573 HARDISON, J. R. Chemotherapy of Urocystis agropyri in Merion Kentucky bluegrass (Poa pratensis L.) with two derivatives of 1,4-oxathin. Crop Sci. 6(4):384. July/Aug. 1966. 64.8 C883
2,3-dihydro-5-carboxanilido-6-methyl-1,4-oxathin-4,4-dioxide (DCMOD) and 2,3-dihydro-5-carboxanilido-6-methyl-1,4-oxathin (DCMO).
- 8574 HENNER, J. Reflections on the present Oidium situation in the Austrian grape culture. (Ge) Pflanzenarzt 19(6):73-74. June 1, 1966, 464.9 P482
Includes control.
- 8575 HENNER, J. Results of Peronospora trials in 1965. (Ge) Pflanzenarzt 19(5):63-64. May 1, 1966. 464.9 P482
Fungicides testing on grape Peronospora.
- 8576 HENNER, J. Shifting the emphasis in red burn disease occurrences in Austria and suggestions for selecting appropriate synthetic fungicides. (Ge) Pflanzenarzt 19(4):45-46. Apr. 1, 1966. 464.9 P482
Pseudopeziza tracheiphila infection of grapes.
- 8577 HUNNAM, D. Captain is safe on Delicious. Orchardist New Zeal. 39(6):205, 207, 209. July 1966. 80 Or 19
Apples.
- 8578 ISIN, M. Wilting of apple branches. (Rus) Zashch. Rast. Vred. Bolezni 11:43-44. 1965. 421 Z1
Caused chiefly by Cytophora capitata.
- 8579 KISPATIC, J. Powdery mildew of apples. (Se) Biljna Zastita 10(4):80-82. Apr. 1966. 464.8 B49
Includes control.
- 8580 KISPATIC, J. Use of organic fungicides in the control of Peronospora of grapes. (Se) Biljna Zastita 10(4):88-90. Apr. 1966. 464.8 B49
- 8581 LECLERC, A. Grapevine mildew in France in 1964. (Fr) Phytoma 17(169):31-34. June 1965. 464.8 P563
- 8582 LI, M., and LIU, C. C. Chemical control of the apple scab. (Ch) Acta Phytophylacica Sinica 4(3):293-294. Aug. 1965. Not in Libr.
Venturia inaequalis.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:13-14. Mar. 3, 1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
- 8583 LINDE, L. On the race specialization and control of the bean anthracnose fungi [Colletotrichum lindemuthianum]. (Sw) Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnotiser 29(5):64-67, 1965. 464.9 Sw3V

- 8584 MACEK, J. Untersuchungen zur Pathologie und Physiologie von Phytophthora cactorum (Leb. u. Cohn) Schroet. an Apfelfrüchten [Research on the pathology and physiology of Phytophthora cactorum (Leb.) and Cohn] Schroet, on apples]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss., 17,95 p. 1964. 105.8 B644
Bibliography, p.87-93.
- 8585 MAGIE, R. D. Gladiolus Fusarium disease development and control. Gladiolus 41:106-110. 1966. 96.43 N44
- 8586 MALKOV, A. M., and others. Correlation between physiological activities of potato tubers and their antagonistic reaction against Phytophthora. (Rus) Leningr. Un-t Sov. Torgovli. Sb. Tr. 23:154-156. 1964. Not in Libr.
E. M. Mishchuk, V. I. Zaitsev, V. S. Petrova, and L. P. Lichovskaya, joint authors.
Treatment of potatoes with iron phosphates against Phytophthora infestans.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:22-23. Aug.1965. Film S-202
- 8587 MPOURAS, N. P. Control of pear rust at Kamari, Corinth during the year 1965. (Gre) Delt. Agrotikes Trapezes 150:34-36. May/June 1966. 21.7 D38
- 8588 NADAZDIN, M. Peronospora tabacina Adam, a parasite of redpeppers. (Se) Poljoprivredni Pregl. 14(11/12):481-483. Nov./Dec.1965. 21.5 P753
Causing downy mildew; includes control.
- 8589 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van grauwe schimmel (botrytisrot) in aardbeien in de volle grond [Control of gray mold [Botrytis rot] of strawberries in the field]. Neth. Plantenziektenkundige Dienst. Ber. 1664,2 p. Apr.27,1966. 464.9 N38
- 8590 NIEMANN, G. J., and DEKKER, J. Activity against rust and powdery mildew of some para phenylenediamines and related compounds. Neth. J. Plant Pathol. 72(4):213-221. 1966. 464.8 T44
Cucumber powdery mildew and bean rust.
- 8591 OKHOVA, E. P. Effect of cultural practices for vegetable seedlings on development of wire stem. (Rus) Moldavskii Nauch.-Issled. Inst. Oroschaemogo Zeml. Oroshevodstva. Tr. 6(1):206-210. 1964. 55.9 M73
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:55. Aug.1965. Film S-202
- 8592 OLSSON, K. Hot water treatment against Gloeosporium on apple. (Sw) Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnotiser 29(4):50-53. 1965. 464.9 Sw3V
- 8593 OLSSON, K. When are apples susceptible to Gloeosporium infection? (Sw) Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnotiser 29(4):42-44. 1965. 464.9 Sw3V
- 8594 PERECYPKIN, V., and IRIK, N. Control of ascochytirosis in peas. (Rus) Zernobobovye Kul'tury 3:35-36. 1965. Not in Libr.
Seed treatment with Thiram.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:54. Aug.1965. Film S-202
- 8595 PESTINSKAYA, T. V., and TURSUNOV, T. Phytophthora of potatoes and tomatoes. (Rus) Vses. Nauch.-Issled. Inst. Zashch. Rast. Tr. 22:305-308. 1964. 464.9 L542S
Includes control.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:54. Aug.1965. Film S-202
- 8596 PLATE, H. P. A heretofore unknown fungus disease of Thuja occidentalis. (Ge) Nachrichten. Deut. Pflanzenschutzdienstes 17(12):177-179. Dec.1965. 442.9 B832
English summary.
Causal organism is similar to Kabatiella.
- 8597 PRPIC, Z. Rust of pears (Gymnosporangium sabinae and G. clavariiforme) as a cause of the canker of fronds. (Se) Biljna Zastita 10(5):97-98. May 1966. 464.8 B49
Includes control.
- 8598 REZENDE, L. O. C., CAMPACCI, C. A., and MOEJI, M. Treatment of seedlings of pineapple. (Por) Biologico 32(3):55-57. Mar.1966. 442.8 B529
With fungicides.
- 8599 RUDENKO, N. M. Some results of testing new fungicides against powdery mildew of cucumbers grown on open field. (Rus) Moldavskii Nauch.-Issled. Inst. Oroschaemogo Zeml. Oroshevodstva. Tr. 6(1):193-199. 1964. 55.9 M73
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:55. Aug.1965. Film S-202
- 8600 SANDVED, G. Some of the most important diseases and pests of Chrysanthemum. (No) Gartneryrkert 56(32):743-744. Aug.5,1966. 80 G1938
Chemical control; chiefly fungus diseases.
- 8601 SAVIN, G. Combined treatment of grapes in the control of mildew and powdery mildew. (Rum) Gradina, Via Livada 15(6):61-66. June 1966. 80 G75
Chemical.
- 8602 SCHI, H. S., SHARMA, S. L., and GUPTA, G. K. New diseases of pomegranate; canker and dieback and leaf spot. FAO Plant Protect. Bull. 13(5):113. Oct.1965. 421 P692
Caused by Cephospora phyllosticta and Pestalotia sp. in India.
- 8603 SHIFMAN, I. A. Long-term prognosis of apple scab and its theoretical and economic foundations. (Rus) Vses. In-t Zashchity Rast. Azerb. St. Tr. 2:83-97. 1964. Not in Libr.
Effects of weather.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:60. Aug.1965. Film S-202
- 8604 SHUMAKOVA, A. A., and KOTIKOVA, G. S. Mildew and Oidium. (Rus) Vses. Nauch.-Issled. Inst. Zashch. Rast. Tr. 22:347-350. 1964. 464.9 L542S
Grapes.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:58. Aug.1965. Film S-202
- 8605 SLACK, D. A., and ROW, R. C. Controlling post-harvest rots of peaches. Ark. Farm Res. 15(3):8. May/June 1966. 10 Ar42F
Brown rot caused by Monilinia fruticola, and Rhizopus rot caused, chiefly, by Rhizopus stolonifer.
- 8606 SOLOCHNIK, N. N. Use of activated creolin with fungicidal supplements in control of apple scab. (Preliminary report). (Rus) Moscow. Gl. Bot. Sad. Byul. 56:73-76. 1964. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:56. Aug.1965. Film S-202
- 8607 TAPIO, E. Time to fight grey mould in strawberries. (Fi) Puutarha 69(6):350-351. 1966. 80 P99
English summary in Contents and summaries section.
Caused by Botrytis cinerea.
- 8608 VERNER, A. R., TROPINA, L. P., and POLOVINKO, G. P. Natural reaction and effectiveness in application of fungicide TMTD. (Rus) In Biol. Osnovy Pobysy. Kachestva Semyan S.-Kh. Rast. 1964:98-103. Not in Libr.
Seed treatment of cucumbers and muskmelons.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:50. Aug.1965. Film S-202
- 8609 VIEIRA, C., and SHANDS, H. Flour leaf spot of common beans. (Por) Rev. Ceres 12(71):311-314. Sept./Dec.1965. 9.2 C332
English summary.
Caused by Oviularia phaseoli Drum. (Ramularia phaseolina Petr.), in Brazil.
- 8610 VUKOVITS, G. Is the effectiveness of the copper oxychloride in the control of Taphrina deformans inefficient? (Ge) Pflanzenzart 18(10):106. Oct.1,1965. 464.9 P482
As an agent of fruit leaf curl.
- 8611 VYSKVARKO, G., MILOVANOV, L., and YURKU, A. Effective fungicides used in vineyards. (Rus) Zashch. Rast. Vred. Bolezni 11:20-21. 1965. 421 Z1
Tests.
- 8612 YOUNG, B. W. Late blight on potatoes; forecasts can warn the farmer in time. Farming S. Afr. 42(4):6-7. July 1966. 24 So842

Fungus Diseases - Forest Trees

- BRATUS', V. M., and CHERNYKH, A. H. Some data on the biology of *Fomitopsis annosa* (FR.) Bond et Sing. (UK) Ukr. Bot. Zh. 23(4):96-103. Ref. 1966. 450 J8212J
English summary.
On Pinus.
- CHANG, C. C., WANG, K. C., and CHENG, S. F. Studies on the early needle cast of larch (*Mycoasphaerella laricleptolepis* Ito, Sato et Ota). I. Distribution, occurrence and damage of this disease. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:5-11. Aug. 1966. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:1-2. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
- CHU, K. C., and others. A study of the ash-spot disease of Populus. (Ch) Scientia Silvae 10(4):325-330. Oct. 1965. 99.8 L632
S. C. Hsu, L. S. Chang, and Y. T'ung, joint authors.
Caused by *Coryneum populinum*.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:19-20. Feb. 23, 1965. (JPRS 34,245; TT 66-30686) 241.7 Un34C
- KAO, Y., and others. Survey and control of leaf-spot diseases of poplar seedlings. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:49-55. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:8. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
S. F. Ku, H. F. Ch'en, Y. S. Wu, and T. C. Kuan, joint authors.
- LOHWAG, K. Spruce needle rust. (Ge) Pflanzenarzt 19(7):85. July 1, 1965. 464.9 P482
Chrysomyxa jedi var. *rhododendri*.
- LUI, C. N., TUNG, C. H., and WU, Y. S. Observations on poplar cankers. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:56-72. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:9-10. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
- LYAKOVLEV, V. G. New data on morphology and biology of fungus *Phacidium infestans* Karst., causal organism of pine snow-blight. (Rus) Bot. Zhur. [Moscow] 51(5):717-720. Ref. May 1966. 451 R923
- MARTY, R. Economic guides for blister-rust control in the East. U. S. Forest Serv. Res. Pap. NE-45, 14 p., map. 1966. A99.9 F7622Un
White pine blister rust (*Cronartium ribicola*), a disease of eastern white pine (*Pinus strobus*).
- MOOK, P. V. Heart rots of balsam fir [*Abies balsamea*]. U. S. Forest Serv. Forest Pest Leaflet 100, 6 p. July 1966. A423.9 F764
- PARIS, CENTRE TECHNIQUE DU BOIS. SERV. DES RECHERCHES ET ESSAIS BIOLOGIQUES ET CHIMIQUES. Catalogue de la Mycothèque [Catalog of the Mycothèque]. Ed. 5. Paris, 1966. 8 p. QK608.F8C4
Cultures of wood-decaying fungi.
- POPOVIC, J., and PENO, M. Verticillium of the Acer spp. (Se) Sumarstvo 19(1/2):27-34. Ref. Jan./Feb. 1966. 99.8 Su63
English summary.
- WU, Y. S., KU, S. F., and KAO, Y. The damping-off of coniferous seedlings. III. Field tests on chemical control of damping-off. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:22-35. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:3-5. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3
- WU, Y. S., KU, S. F., and KAO, Y. The damping-off of coniferous seedlings. IV. Control effect of pentachloronitrobenzene, other chemicals and their mixtures. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:36-48. Aug. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:5-7. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3

Nematodes

- BANAGE, W. B. Nematode distribution in some British upland moor soils with a note on nematode parasitizing fungi. J. Anim. Ecol. 35(2):349-361. Ref. June 1966. 410 J826
- BRAUN, A. L., and LOOF, P. A. A. Pratylenchoides laticauda n.sp., a new endoparasitic phytonematode. Neth. J. Plant Pathol. 72(4): 241-245. 1966. 464.8 T44
- CARVALHO, J. C. Plant nematodes. (Por) Biologico 32(2):37-38. Feb. 1966. 442.8 B529
Includes control.
- DERN, R. The importance of the study of plant parasitic nematodes for plant protection advice. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 118:132-137. Feb. 1966. 410.9 G31M
English summary.
- ESSER, R. P., and WALSH, W. T. Parasitic and free-living nematodes collected from the soil and roots of Sabal palmetto. Principles 10 (2/3):50-54, map. Apr./July 1966. 80 P932
From Florida.
- ESSER, R. P. The taxonomic code of plant parasitic nematodes. FAO Plant Protect. Bull. 13(6):134-137. Dec. 1965. 421 P692
- JIMENEZ-MILLAN, F., and others. List of nematodes of plant roots found in Spain. (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(1/2):47-104, map. Ref. 1965. 442.9 Sol8
M. Arias, A. Bello, and J. M. L. Pedregal, joint authors.
English summary.
- KEMPER, A. Connection between injury by parasitic nematodes and different environmental factors, with specific consideration of the injurious occurrence of *Pratylenchus* species in relation to the pH value of soils. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 118:107-116. Feb. 1966. 410.9 G31M
English summary.
- LI, Y. T. The Tylenchidae harmful to crops. (Ch) Shengxue Tongbao 1:19-22. Jan. 1966. 442.9 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:5. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- MACARA, A. M. Nematode parasites of plants in Portugal. (Por) Broteria 35(1/2):35-44. Ref. 1966. 410 B79C
- NICH, E. L. A comparison of soil drench and subsurface irrigation for application of an organo-phosphate nematocide [SD 10,268]. Ariz. Agr. Exp. Sta. Rep. 230:24-26. 1965. 100 Ar4M
Bermudagrass used in investigation.
- NIRULA, K. K., and BASSI, K. K. Observations on the control of the root-knot nematode, *Meloidogyne incognita* (Kofoid and White, 1919) Chitwood 1949, with mylon and nellite. Indian J. Entomol. 27(3):368-369. Sept. 1965. 420 In23
- REINMUTH, E., and DOWE, A. Fungal enemies of nematodes and the possibility of their use for biological control. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 118: 117-131. Ref. Feb. 1966. 410.9 G31M
English summary.

- 8639 SPRAU, F. On the occurrence of the economically important plant attacking nematodes in Bavaria. (Ge) *Gesunde Pflanzen* 18(5):86-92. May 1966. 464.8 G33
English summary.
Includes control.
- 8640 STURHAN, D. Distribution, pathogenicity and taxonomy of the nematode genus *Tylechorynchus*. (Ge) *Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt.* 118:82-89. Ref. (Ge) Feb. 1966. 410.9 G31M
English summary.
- 8641 TRIANTAPHYLLOU, A. C. Polyploidy and reproductive patterns in the root-knot nematode *Meloidogyne hapla*. J. Morphol. 118(3): 403-413. Mar. 1966. 444.8 J826
- 8642 WEISCHER, B. The geographical distribution and biology of species of the genera *Xiphinema* and *Longidorus*. (Ge) *Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt.* 118:100-106, map. Feb. 1966. 410.9 G31M
English summary.
Plant nematodes.
- 8643 WEISCHER, B. Study of plant parasitic nematodes in the framework of complete nematode investigation. (Ge) *Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt.* 118:1-5. Feb. 1966. 410.9 G31M
English summary.

Nematodes - Field Crops

- 8644 BOGH, H. Resistance to the oat nematode. (Sw) *Holmberg (Algot) Arsbok*, 1965:5-8. 86 H73
Heterodera schachtii.
- 8645 BOGH, H. On resistance to the oat nematode. (Sw) *Holmberg (Algot) Arsbok*, 1966:4-8. 86 H73
Heterodera schachtii.
- 8646 INTER-AFRICAN PHYTOSANITARY COMMISSION, LONDON. Appearance of Aphelenchoides besseyi. FAO Plant Protect. Bull. 13 (5):114. Oct. 1965. 421 P692
Rice pest in Senegal and Sierra Leone.
- 8647 KLINDIC, O. Nematodes, injurious to the corn. (Se) *Biljna Zastita* 10(6/7):153-155. June/July 1966. 464.8 B49
Include control.
- 8648 KORUNIC, Z. Methods of taking soil samples to determine the presence of the Heterodera genus of nematodes. (Se) *Biljna Zastita* 10(5): 113-114. May 1966. 464.8 B49
As pests of field crops.
- 8649 SCHNEIDER, J. The nematode of cereal roots. (Fr) *Phytoma* 17(169):17-22. Ref. June 1965. 464.8 P563
Heterodera avenae; includes control.
- 8650 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. The soybean cyst nematode. U. S. D. A. PA-333, rev., 4 p. June 1966. 1 Ag84Prc
Heterodera glycines, and its control.

Nematodes - Horticultural Crops

- 8651 CARLSTROM, L. Potatisnematodens forekomst, spridning, och bekampning [Occurrence, distribution and control of the potato nematode (Heterodera rostochiensis)]. Uppsala. Lantbrukshögsk. Aktuell Lantbrukshögsk. 87,24 p. Ref. 1966. 11 Up62A
- 8652 DERN, R. Ditylenchus destructor as a pest of rhubarb (Rheum rhabonticum L.). (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienst* (n.s. 18, i.e. 20(3)):43-44. Mar. 1966. 464.9 N11
- 8653 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Stem eelworm [Ditylenchus dipsaci] on tulips. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 461, rev., 4 p. Jan. 1966. 10 G78La
Includes control.

- 8654 PEREZ, A. B., ALVARADO, R., and JIMENEZ-MILLAN, F. A study of nematodes of banana fields in the Western Canary Islands. (Sp) *Real Soc. Espan. Hist. Natur. Bol. Sec. Biol.* 63(1/2):33-46, map. Ref. 1965. 442.9 So18
English summary.
- 8655 KAPITONENKO, S. V. Nematode Ditylenchus destructor on potatoes in the Carpathian foothills. (Uk) *Visnyk Sil'skohospodar. Nauk.* 6:51-53. June 1965. 20 V82
- 8656 KEMPER, A. A contribution to the occurrence of leaf eelworms (Aphelenchoides spp.) in Westfalen-Lippe. (Ge) *Gesunde Pflanzen* 18 (5):96-99. May 1966. 464.8 G33
On ornamental plants.
- 8657 MATVEEVA, M. Strawberry nematode, (Rus) *Zashch. Rast. Vred. Bolezni* 11:46-47. 1965. 421 Z1
Includes plant quarantine as preventive measure.
- 8658 WILLIAMS, D. D. F., and HOLTZMANN, O. V. Yield decline on Maui cabbage farms caused by cyst nematodes [Heterodera spp.] can be reversed with nematocides. *Hawaii Farm Sci.* 14(4):3-6. Oct. 1965. 100 H314

Virus Diseases

- 8659 CHESNOKOV, P. G., and GOLUBEV, A. A. Virus diseases of legumes. (Rus) *Leningr. Vses. Inst. Rastenievod. Sb. Tr.* 1:59-62. 1964. 20 L543
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:57. Aug. 1965. Film S-202
- 8660 MILICIC, D., and others. Comparative electron microscope and serological studies on isolates of cactus virus X. (Ge) *Phytopathol. Z.* 55(3):211-217. Mar. 1966. 464.8 P562
N. Plese, R. Bercks, J. Brandes, R. Casper, and M. Chessin, joint authors.
- 8661 MOSKOVETS', S. M. Some results of study of viruses and virus diseases of plants. (Uk) *Mikrobiol. Zhur.* 27(1):85-87. 1965. 448.3 K54
- 8662 PLESE, N., and MILICIC, D. Comparative investigations on isolates of cactus virus X with test plants. (Ge) *Phytopathol. Z.* 55(3):197-210. Ref. Mar. 1966. 464.8 P562
English summary.
- 8663 STURHAN, D. The occurrence of the virus transmitting nematodes in Bavaria. (Ge) *Gesunde Pflanzen* 18(5):93-96. May 1966. 464.8 G33
Plant viruses.
- 8664 THORNBERRY, H. H. Plant pests of importance to North American agriculture; index of plant virus diseases. U. S. D. A. Agr. Handbook 307, 446 p. May 1966. 1 Ag84Ah

Virus Diseases - Field Crops

- 8665 ABBOTT, E. V., and TIPPETT, R. L. Strains of sugarcane mosaic virus. U. S. D. A. Tech. Bull. 1340, 25 p. Ref. p. 23-25. May 1966. 1 Ag84Te
- 8666 BALL, E. Tobacco mosaic virus inclusions in isolated callus cells of tobacco in vitro. *Torrey Bot. Club. Bull.* 93(4):244-258. Ref. July/Aug. 1966. 451 T65B
- 8667 BENIGNO, D. A., and ROSARIO, M. S. E. DEL. Mechanical transmission of the abaca mosaic virus and some of its physical properties. *Philippine Agr.* 49(3):197-210. Ref. Aug. 1965. 25 P542
Includes transmission to corn.
- 8668 BISSONNETTE, H. L. Barley stripe disease. N. Dak. State Univ. Ext. Circ. A-484, 2 p. Feb. 1966. 275.29 N812Sa
Stripe mosaic.
- 8669 BOBYR, A. D., and GLUSHAK, L. YU. Effect of products of the vital activity of yeasts on tobacco mosaic virus. (Uk) *Mikrobiol. Zhur.* 27(2): 73-78. 1965. 448.3 K54
English summary.

- 8670 BURROUGHS, R., GOSS, J. A., and SILL, W. H. Alterations in respiration of barley plants infected with bromegrass mosaic virus. *Virology* 29(4):580-585. Ref. Aug. 1966. 448.8 V81
- 8671 CLOSE, R. C., SMIRK, B. A., and THOMSON, A. D. Properties of a tobacco necrosis virus from New Zealand. *New Zeal. J. Bot.* 4(1):66-76. Ref. Mar. 1966. 450 N48
Pathogenic to field crops.
- 8672 EDWARDSON, J. R. Cylindrical inclusions in the cytoplasm of leaf cells infected with tobacco etch virus. *Science* 153(3738):883-884. Aug. 19, 1966. 470 Sci2
- 8673 GREGORY, J., and HOLMES, K. C. Methods of preparing orientated tobacco mosaic virus sols for X-ray diffraction. *J. Mol. Biol.* 13(3):796-801. Ref. Oct. 1965. 442.8 J8224
- 8674 HOOF, H. A. VAN. Does wheat mosaic virus belong to the tobacco rattle virus group? *Neth. J. Plant Pathol.* 72(4):246-247. 1966. 464.8 T44
- 8675 KISELEV, N. A., and others. Study of virus protein repolymerization and reconstruction of some rod-like viruses. (Rus) *Biokhimiya* 31(4):670-678. Ref. July/Aug. 1966. 385 B523
I. G. Atabekov, A. S. Kaftanova, and B. K. Novikov, joint authors.
English summary.
Barley mosaic virus.
- 8676 LEBEURIER, G., and HIRTH, L. Effect of elevated temperatures on the development of two strains of tobacco mosaic virus. *Virology* 29(3):385-395. Ref. July 1966. 448.8 V81
- 8677 MISAWA, T., KATO, S., and SUZUKI, T. Studies on infection and the multiplication of plant viruses. III. Relationship between the cell nucleus and cucumber mosaic virus replication. *Tohoku J. Agr. Res.* 16(4):265-274. Ref. Mar. 1966. 22.5 T574
In tobacco; includes the DNA and RNA content of the cell nuclei.
- 8678 MUSIL, M., MATISOVA, J., and KVICALA, B. A. Notes on the alfalfa mosaic virus in leguminous forage crops in Czechoslovakia. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):125-134. Ref. May 1966. 464.8 B55
English summary.
- 8679 MUSIL, M. On the occurrence of the white clover virus in Slovakia. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):135-143. Ref. May 1966. 464.8 B55
English summary.
- 8680 PANJAN, M. Virus diseases of corn. (Se) *Biljna Zastita* 10(6/7):139-142. June/July 1966. 464.8 B49
Includes mosaic.
- 8681 PROTSENKO, A. E., and LEGUNKOVA, R. M. Electron microscopy of wheat streak mosaic virus. (Rus) *Vop. Virusol.* 1:23-26. Ref. Jan./Feb. 1965. 448.8 P942
English summary.
- 8682 REVILLA M., V. A. Una "virosis" destructiva del pasto Pangola en el Peru [A destructive "virosis" of Pangolagrass in Peru]. Lima Estac. Exp. Agr. La Molina. *Bol.* 12, 19 p. Jan. 1966. 102.5 L622B
English summary.
- 8693 ROSENKRANZ, E. E., GROGAN, C. O., and DOUGLAS, W. A. Mississippi corn virus tests in 1965. *Miss. Agr. Exp. Sta. Inform. Sheet* 914, 2 p. Jan. 1966. 100 M691n
U. S. Department of Agriculture, cooperating. Hybrids.
- 8694 SATO, T., and others. A preliminary investigation on the molecular structure of rice dwarf virus ribonucleic acid. *J. Mol. Biol.* 16(1):180-190. Ref. Mar. 1966. 442.8 J8224
Y. Kyogoku, S. Higuchi, Y. Mitsui, Y. Iitaka, M. Tsuboi, and K. I. Miura, joint authors.
- 8695 SINGH, M., and HILDEBRANDT, A. C. Movements of tobacco mosaic virus inclusion bodies within tobacco callus cells. *Virology* 30(1):134-142. Ref. Sept. 1966. 448.8 V81
- 8696 SKOFENKO, A. O., and ISAKOVA, D. M. Some features of carbohydrate and nitrogen metabolism of sugar beets affected with yellows virus. (Uk) *Mikrobiol. Zhur.* 27(3):44-49. Ref. 1965. 448.3 K54
English summary.
- 8687 SUSENO, H., and HAMPTON, R. E. The effect of three strains of tobacco mosaic virus on peroxidase and polyphenol oxidase activity in *Nicotiana tabacum*. *Phytochemistry* 5(4):819-822. Ref. July 1966. 450 P5622
- 8688 TI'EN, P., and P'ENG, H. H. Inhibition of actinomycin C and the multiplication of tobacco mosaic virus. (Ch) *Acta Microbiol. Sinica* 11(4):520-525. Nov. 1965. 448.3 Ac83
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 46:10. Feb. 28, 1966. [JPRS 34,134; TT 66-30755] 241.7 Un34C
Issued by CFSST.
- 8689 VACEK, J. Study of transovarial passage of the oat sterile-dwarf virus. *Biol. Plant.* 8(2):127-130. 1966. 450 B52
- 8690 WARMKE, H. E., and EDWARDSON, J. R. Electron microscopy of crystalline inclusions of tobacco mosaic virus in leaf tissue. *Virology* 30(1):45-57. Ref. Sept. 1966. 448.8 V81
- 8691 WINCKEL, A. VAN. Tobacco mosaic virus in tomatoes. (Fl) *Tuinbouwberichten* 30(7):245-246. July 1966. 80 T817

Virus Diseases - Horticultural Crops

- 8692 BARATOVA, D. F. Bean mosaic in the Ukraine. (Uk) *Mikrobiol. Zhur.* 27(3):49-52. Ref. 1965. 448.3 K54
English summary.
- 8693 BENTAL, A. Detection of Exocortis disease of citrus. *Agr. Israel* 11(3):46. Dec. 1965. 22.5 Ag825
- 8694 BRANTS, D. H. Relation between ectodermata and infection of tomato roots by 14C-labeled tobacco mosaic virus. *Virology* 29(4):622-627. Ref. Aug. 1966. 448.8 V81
- 8695 FRANCKI, R. I. B. Localization and recovery of lettuce necrotic yellows virus from xylem tissues of *Nicotiana glutinosa*. *Virology* 29(4):673-676. Aug. 1966. 448.8 V81
- 8696 HARRIS, J. I., and HINDLEY, J. The protein subunit of turnip yellow mosaic virus. *J. Mol. Biol.* 13(3):894-913. Ref. Oct. 1965. 442.8 J8224
- 8697 HENNER, J. The golden flavescence or yellows a new virus disease of grapes in Western Europe. (Ge) *Pflanzenarzt* 19(3):26-27. Mar. 1, 1966. 464.9 P482
- 8698 HIRTH, L., and others. Structure and properties of ribonucleic acid from turnip yellow mosaic virus. I-II. (Fr) *J. Mol. Biol.* 13(3):720-748. Ref. Oct. 1965. 442.8 J8224
P. Horn, C. Strazielle, and H. Benoit, joint authors.
English summary.
- 8699 HORVATH, J. Data on the possibilities of controlling potato virus; general survey of the methods of control and the virus infection of experimental potato varieties. *Acta Agron. [Budapest]* 15(1/2):177-186. Ref. 1966. 19 Ac8
- 8700 JERMOLJEV, E., and CHOD, J. Application of the serological method for the testing of common bean mosaic in germinating bean seeds. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):145-150. May 1966. 464.8 B55
English summary.
- 8701 KRAYEV, V. H. Identification of mosaic viruses of broadbeans in Ukraine. (Uk) *Mikrobiol. Zhur.* 27(4):36-42. Ref. 1965. 448.3 K54
English summary.
- 8702 KRAYEV, V. H. Mosaic virus of broadbeans in the Ukraine. (Uk) *Mikrobiol. Zhur.* 27(1):22-27. Ref. 1965. 448.3 K54
English summary.
- 8703 MACLEOD, R., BLACK, L. M., and MOYER, F. H. The fine structure and intracellular localization of potato yellow dwarf virus. *Virology* 29(4):540-552. Ref. Aug. 1966. 448.8 V81
- 8704 MARENAND, C. Transformation of growth curves into straight lines. (Fr) *Ch. Ingen. Agron.* 206:19-20. May 1966. 14 C12
Illustrated by peach tree growth as affected by virus diseases.

- 8705 MATTHEWS, R. E. F. Reconstitution of turnip yellow mosaic virus RNA with TMV protein subunits. *Virology* 30(1):82-96. Ref. Sept. 1966. 448.8 V81
With tobacco mosaic virus, cultured on tobacco and turnip yellow mosaic virus cultured on Chinese cabbage.
- 8706 MILBRATH, J. A. Stony pit of pear in Oregon. *Oreg. Agr. Exp. Sta. Tech. Bull.* 93, 23 p. Ref. June 1966. 100 Or3S
- 8707 MINK, G. I., HUISMAN, O., and SAKSENA, K. N. Oxidative inactivation of tulare apple mosaic virus. *Virology* 29(3):437-443. July 1966. 448.8 V81
- 8708 MISCHKE, W., and BERCKS, R. A brief report on the presence of tomato black ring virus in almond trees (*Prunus amygdalus* Batsch.). (Ge) *Nachrichten. Deut. Pflanzenschutzdienstes* 17(12):186-187. Dec. 1965. 442.9 B832
English summary.
- 8709 REDDECLIFF, J. M., and LUDWIG, E. H. Ascites fluid from immunized mice as a source of plant virus antibodies. *Appl. Microbiol.* 14(5):834-835. Sept. 1966. 448.3 Ap5
Bean mosaic virus.
- 8710 RYDEN, K. Can the green mosaic virus be transmitted through water? (Sw) *Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnotiser* 29(5):68-69. 1965. 464.9 Sw3V
Virus 2 on cucumber.
- 8711 RYDEN, K. Green mosaic of cucumbers. (Sw) *Swed. Stat. Vaxtskyddsanst. Vaxtskyddsnotiser* 29(5):62-63. 1965. 464.9 Sw3V
Caused by virus 2.
- 8712 RYDEN, K. Some studies on cucumber necrosis virus (CNV). *Swed. Stat. Vaxtskyddsanst. Medd.* 13(106/107):289-302. Ref. 1966. 464.9 Sw3M
- 8713 SCHMELZER, K. To the etiology of yellow mosaic virus. (Ge) *Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss.* 120(3):233-236. Ref. 1966. 448.3 C33
English summary
Observed on *Prunus serrulata*.
- 8714 SHELUD'KO, YU. M., and SHEVCHENKO, N. O. Secondary clarification of the juice of virus-X infected potatoes on native ion-exchange resins. (Uk) *Mikrobiol. Zhur.* 27(2):78-82. Ref. 1965. 448.3 K54
English summary.
- 8715 SKOFENKO, A. O., and ISAKOVA, D. M. Effect of X-virus on the nitrogen metabolism of potatoes. (Uk) *Mikrobiol. Zhur.* 26(6):48-54. Ref. 1964. 448.3 K54
English summary.
- 8716 STELLMACH, G. Infection of grapes with the strains of tomato black ring virus from peach and cherry. (Ge) *Weinberg Keller* 12(12):571-576. Ref. Dec. 1965. 95.8 W435
English summary.
- 8717 WENZL, H. Difficulties and mistakes in selective cleaning of seed potato stands. (Ge) *Pflanzenarzt* 19(4):43-45. Apr. 1, 1966. 464.9 P482
Removal of diseased potatoes for controlling virus diseases, chiefly.
- 8718 WENZL, H. Work-saving clearing of seed potato stands. (Ge) *Pflanzenarzt* 19(5):61-62. May 1, 1966. 464.9 P482
Prevention of virus diseases with soil disinfection and aphicides application.
- Physiological Diseases
- 8719 BARSKAYA, T. A., POTAEVICH, E. V., and VICHURINA, G. A. Signs of mineral malnutrition on the tubers and tops of potato. (Rus) *Agroklimiya* 12:57-63. Ref. Dec. 1965. 385 Ag89
- 8720 BOTTINI, E. Intervention of nutritive trace elements in physiological disorders of some crops. (It) *Ann. Sperim. Agr.* (n.s.) 18(5/6): 609-636. 1964, pub. 1966. 16 An76
English summary.
- 8721 KEZELL, T. A. Effect of alfalfa on chlorosis in grapes. (Geo) *AN GruzSSR. Tibilisk. Botan. In-t. Tr.* 23:193-200. 1964. Not in Libr. Interplanting.
Abstracted in *Ref. Zh. Otd. Vypusk* [Ser.] 55, *Rastenievod.* 16:44. Aug. 1965. Film S-202
- 8722 MAROTI, M., and DER, J. D. Changes in the cells of root tip due to deficiency in nutrient. *Acta Agron. [Budapest]* 15(1/2):49-58. 1966. 19 Ac8
Studied on maize and bean.
- 8723 MIRANDA SIRAGUSA, F. Deficiency symptoms in the hawthorn. (Sp) *Puerto Rico. Univ. Ext. Folleto* A-43, 6 p. Feb. 1965. 275.29 P96A
- 8724 SCHUMACHER, R., and FRANKHAUSER, F. Application of calcium materials for prevention of bitter pit and storage disease. (Ge) *Schweiz. Z. Obst- Weinbau* 102(16):431-441. Aug. 6, 1966. 80 Sch9
Apples.
- 8725 SIMONS, R. K. Russet formation in the Golden Delicious apple. *Ill. Res.* 8(3):10-11. Summer 1966. 100 IL64
- Injuries
- 8726 BRADACS, K. L., LEITHNER, H., and HOHEN-EDER, A. To what extent can we cope with harmful emissions of hydrofluoric acid in a foundry. (Ge) *Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt.* 73:69-79. 1966. 99.8 M69
Possible harmful effect of plants.
Includes discussion.
- 8727 EBERSOLD, W., and LAMPEL, B. Measures for insuring evidence and investigations in the steam-power works of the Austrian Drava Power Station. I-II. (Ge) *Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt.* 73: 201-211. 1966. 99.8 M69
Air pollution effects on plants.
- 8728 GADRE, K. M. Wind breaks and fires to protect vine-yards from damage by frost. *Indian J. Agron.* 10(4):362-370. Dec. 1965. 22 In235
- 8729 GERBER, J. F. Cold protection of citrus with petroleum coke, wax, or liquefied gas. *Citrus Eng. Conf. Trans.* 12:44-55. Mar. 23, 1966. 389.9 C49
- 8730 GIBELLATO, M. Hail control in the Province of Vicenza: some positive results. (It) *Vicenza Econ.* 21(7):471-473. July 1966. 287 V662
- 8731 GREENHAM, C. G. Bruise and pressure injury in apple fruits. *J. Expt. Bot.* 17(51):404-409. Ref. May 1966. 450 J8224
- 8732 HOUTEN, J. C. TEN. Horticulture and air pollution. (Du) *Neth. Dir. Tuinbouw. Mededel.* 29(8):324-330, map. Aug. 1966. 86 N384
English summary, p. 355.
- 8733 MAISURADZE, N. I. The results of orange and grapefruit wintering at Sukhumi Experiment Station [Sukhumskaia Opytnaya Stantsiya] in winter of 1963-64. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 2:77-82. 1965. 68.19 M28
English summary.
Includes cold injuries.
- 8734 MANSCHINGER, H. Sources of air pollution and general definitions. (Ge) *Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt.* 73:49-55. 1966. 99.8 M69
Phytotoxic relations.
- 8735 MENSER, H. A., and HEGGESTAD, H. E. Ozone and sulfur dioxide synergism: injury to tobacco plants. *Science* 153(3734):424-425. Ref. July 22, 1966. 470 Sci2
- 8736 MOLCHANOVA, Z. YA. Reasons for eye injuries under cover. (Rus) *Vinodelie Vinogradstvo SSSR* 8:18-21. 1964. 95.8 V77
Grapes.
Abstracted in *Ref. Zh. Otd. Vypusk* [Ser.] 55, *Rastenievod.* 15:36. Aug. 1965. Film S-202
- 8737 RAESE, J. T., and MERRILL, S. Hurricane damage to tung trees in 1965. *Amer. Tung News* 17(8):8-9, 13. Aug. 1966. 307.8 Am33
In Louisiana and Mississippi.

- 8739 SPIERINGS, F. Differences in susceptibility to air pollution. (Du) Neth. Dir. Tuinbouw. Mededel. 29(8):331-337. Aug. 1966. 86 N384 English summary, p.355. Ornamentals, fruit and vegetables.
- 8739 STRAND, E. Can new hardier varieties prevent harvesting injuries to grain? (Sw) Holmberg (Algot) Arsbok, 1966:9-11. 86 H73
- 8740 TODA, M. Studies on the chilling injury in wheat plants. VI. On the frost injury at the earing stage in wheat plants. (Ja) Crop. Sci. Soc. Japan. Proc. 35(1/2):43-47. Ref. Aug. 1966. 22.5 C88 English summary.
- 8741 TODA, M. Studies on the chilling injury in wheat plants. VII. Methods for early discovery of sterility of wheat plants caused by chilling injury and measures for chilling injury prevention. (Ja) Crop Sci. Soc. Japan. Proc. 35(1/2): 48-53. Ref. Aug. 1966. 22.5 C88 English summary.
- 8742 TODUA, A. I. The improvement of winter covers protecting citrus plants from frosts. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult. 4:31-52. Ref. 1965. 68.19 M28 English summary.
- SYSTEMATIC AND GEOGRAPHIC BOTANY
- 8743 DYER, R. A. Impressions on the subject of the age and origin of the Cape Flora. S. Afr. J. Sci. 62(6):187-190. June 1966. 515 S084
- 8744 ESTERHUYSEN, E. Cape "fynbos" today. Bot. Not. 119(2):158-159. 1966. 450 B656 Flora.
- 8745 FROHNER, S. New floristic finds in High and Belanske Tatras. (Ge) Preslia 38(3):321-326. Ref. 1966. 450 P92 Includes Alchemilla obsoleta n. sp.
- 8746 GENERAL COMMITTEE ON BOTANICAL NOMENCLATURE. Preliminary report on the stabilization of names of plants of economic importance, presented to the Tenth International Botanical Congress. Regnum Veg. 36,36 p. Ref. July 1964. 450 R26 Issued by International Bureau for Plant Taxonomy and Nomenclature. Based on lists submitted by the International Commission for the Nomenclature of Cultivated plants.
- 8747 GOOD, R. The botanical aspects of continental drift. Sci. Progr. [Oxford] 54(215):315-324. Autumn 1966. 472 Sci22
- 8748 GOULD, S. W., and NOYCE, D. C., COMP. Authors of plant genera; volume two of the International Plant Index. New York, N. Y. Bot. Gard., 1965. 336 p. 452.14 G73 Connecticut Agricultural Experiment Station, cooperating.
- 8749 HAINAULT, R. Some features of the flora of the islands of eastern Lake Ontario. Can. Field-Natur. 80(2):69-73, map. Apr./June 1966. 410.9 O78
- 8750 HARTMANN, H. Contributions to the knowledge of the flora of Karakoram; floristic results of the Swiss expedition to the Biafo Glacier. (Ge) Bot. Jahrbucher 85(2):259-328. June 14, 1966. 450 En3B
- 8751 HEPPER, F. N. The vegetation and flora of the Vogel Peak Massif, Northern Nigeria. Inst. Franc. Afr. Noire. Bull. Ser. A. Sci. Natur. 27(2):413-513, map. Ref. Apr. 1965. 515 D14
- 8752 INTERNATIONAL BUR. FOR PLANT TAXONOMY AND NOMENCLATURE. Nomina conservanda proposita; proposals on the conservation of generic names submitted to the Tenth International Botanical Congress, Edinburgh, 1964. Regnum Veg. 34,68 p. Ref. June 1964. 450 R26
- 8753 INTERNATIONAL BUR. FOR PLANT TAXONOMY AND NOMENCLATURE. Nomina conservanda proposita. II. Proposals on the conservation of generic names submitted to the Eleventh International Botanical Congress, Seattle, 1969. Regnum Veg. 40,32 p. Ref. Dec. 1965. 450 R26
- 8754 JAFRI, S. M. H. Taxonomic notes on Kashyap's Lahore District Flora. Biologia [Lahore] 11(1): 41-47. June 1965. 442.8 B5232
- 8755 JANCEY, R. C. Numerical methods in taxonomy. Linn. Soc. New S. Wales. Proc. 90(3):335-340. Ref. 1965. 514 Sy2 Systematic botany.
- 8756 JANCHEN, E. Nomenclatorial remarks on Flora Europaea, Vol. I. (Ge) Feddes Repert. 72(1):31-35. Oct. 30, 1965. 450 R29
- 8757 JIRASEK, V. Systematics of the cultivated plants and their classification. (Cz) Preslia 38(3):267-284. 1966. 450 P92 German summary. Includes terminology.
- 8758 KONIG, W. H. The Luneburg Heath. In Refsigl, H., ed. The world of flowers, p.123-125. 1965. QK86.R4 Flora.
- 8759 LEMBERG, B. Studier over Stor-Pernaviken. III. Den horgre vattenvegetationen [Studies on Stor-Pernavik. III. Higher aquatic vegetation. Soc. Fauna Flora Fenn. Acta 77(1), 107 p., map. Ref. 1961, pub. 1965. 511 H365
- 8760 LEVYNS, M. R. The origins of the flora of South Africa. In Refsigl, H., ed. The world of flowers, p.143-146. 1965. QK86.R4 Includes ecology.
- 8761 LIMA, D. DE. A. Critical study of Latin American plant geography nomenclature. (Sp) Rev. Geogr. 35(63):109-116. Ref., p.114-115. 1965. 331.8 R32
- 8762 MINYAIEV, N. A., and SHMIDT, V. M. Sixth year of floristic studies of Pskov Region. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:159-160. 1965. 442.9 L542V
- 8763 OREDSSON, A. Vascular plants in the parishes of V. Torup and Finja. (Sw) Bot. Not. 119(2): 297-312, map. 1966. 450 B656
- 8764 PEDERSEN, A. Plant life in the Arctic Circle. In Refsigl, H., ed. The world of flowers, p.122-123. 1965. QK86.R4
- 8765 PERRY, G. A. The investigator's book of plant life. London, 1965. 112 p. (Blandford's Rural Studies Series, 2) SB107.5.P4
- 8766 PORTER, C. L. A flora of Wyoming. IV. Wyo. Agr. Exp. Sta. Bull. 434, 88 p. Nov. 1965. 100 W99
- 8767 RAUH, W. Primeval Madagascar. In Refsigl, H., ed. The world of flowers, p.141-143. 1965. QK86.R4 Flora.
- 8768 RUIZ LEAL, A., and ROIG, F. A. Weeds and adventitious plants new to the Province of Mendoza. II. (Sp) Univ. Nac. Cuyo. Fac. Cienc. Agr. Rev. 11(1/2):127-150. Ref. 1964, pub. 1966. 102.5 M52 French summary. A taxonomic list.
- 8769 RYVARDEN, L. Contribution to the flora in Troms. (No) Blyttia 3:130-131. 1966. 450 B622
- 8770 SCOTTER, G. W. A contribution to the flora of the eastern arm of Great Slave Lake, Northwest Territories. Can. Field-Natur. 80(1):1-18, map. Ref. Jan./Mar. 1966. 410.9 O78
- 8771 SHARP, A. J. Some aspects of Mexican phytogeography. Ciencia 24(5/6):229-232. Ref. Jan. 1966. 475 C48
- 8772 SMEJKAL, M. New or little known plants of the Czechoslovak vegetation. II. (Ge) Preslia 38(3):249-262. Ref. 1966. 450 P92
- 8773 VASSIL'CHENKO, I. T. A remarkable phytogeographical anomaly in the western Gissar Mts. (Rus) Bot. Zhur. [Moscow] 51(5):736-739, map. May 1966. 451 R923
- 8774 VOLLMER, A. G. DE. The flora that I saw. (Sp) Soc. Argent. Hort. Bol. 23(141):102-107, 110-112. July/Sept. 1965. 83 S01 In Uruguay.
- 8775 WASSEN, G. Gardiken: Vegetation and flora eines lapplandischen Seeufers [Vegetation and flora of a seashore in Lapland]. Svenska Vetenskapsakad. Avhandl. Naturskyddsaren 22, 142 p., map. Ref. 1966. 502 St6Av
- 8776 WILLIAMS, W. T., and DALE, M. B. Fundamental problems in numerical taxonomy. Advances Bot. Res. 2:35-68. Ref. 1965. 450 Ad92

Spermatophytes

- 8777 AFZELIUS, K. Some species of *Pseudogynoxys* from Ecuador. Bot. Not. 119(2):233-242. 1966. 450 B656
Includes n. spp.
- 8778 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT IMENI V. L. KOMAROVA. Schedae ad herbarium florum URSS. XVI. Fasc. 89-94. Moskva, Nauka, 1966. 156 p. 459.2 Sa2
Text in Russian.
Spermatophyta.
- 8779 ALMQUIST, E. What is *Hieracium auricula* beta majus Wahlenberg? (Sw) Bot. Not. 119(2):259-264. 1966. 450 B656
German summary.
- 8780 BACIGALUPI, R. A correction for the type locality of *Cordylanthus capillaris* Pennell. Leaf. West. Bot. 10(15):287-288. Sept.29, 1966. 450 L47
- 8781 BACIGALUPI, R., and HECKARD, L. R. A new *Castilleja* from south-central and Baja California. Leaf. West. Bot. 10(15):281-286. Sept.29, 1966. 450 L47
Castilleja jepsonii n. sp.
- 8782 BACIGALUPI, R. A new combination in a California *Castilleja*. Leaf. West. Bot. 10(15):286-287. Sept.29, 1966. 450 L47
Castilleja affinis.
- 8783 BACIGALUPI, R. New localities for *Gratiola heterosepala*. Leaf. West. Bot. 10(15):288. Sept.29, 1966. 450 L47
From California.
- 8784 BARKER, W. F. The rediscovery of two South African plants and the renaming of another. Bot. Not. 119(2):201-208, map. 1966. 450 B656
Lachenalia undulata, *Thamnea hirtella* and *Lachenalia framesii* n. sp.
- 8785 BARRETT, W. H. G., and GOLFARI, L. Description of two new varieties of the pine of the Caribbean (*Pinus caribaea* Morelet). 8 p. Transl. 15531
Translation from Caribbean Forester 23(2):59-71. 1962.
- 8786 BASSLER, M. The position of the subgenus *Orobos* (L.) Baker in the genus *Lathyrus* L. and its systematic classification. (Ge) Feddes Repert. 72(2/3):69-97. Ref. Mar.30, 1965. 450 R29
- 8787 BEATLEY, J. C. *Mirabilis pudica* populations in southern Nye county, Nevada. Leaf. West. Bot. 10(15):294-296. Sept.29, 1966. 450 L47
- 8788 BOER, H. W. DE. [lithops] *verruculosa* var. *glabra* de Boer var. nov. *Succulenta* 45(7):107-108. July 1966. 450 Su12
Text in Dutch.
- 8789 BOOM, B. K., and KLEIN, H. Grosses Foto-buch der Baume [The big picture book of trees]. 195 p. Ref. QK487.B63
Translation of Bomen/Hun Vorm en Kleur.
- 8790 BROWICZ, K. The *Periplocaceae* in Turkey and Cyprus. Feddes Repert. 72(2/3):124-131, map. Ref. Mar.30, 1965. 450 R29
Includes *Cyprinia* n. g.
- 8791 BRUCHER, H. On a "maritime" wild potato (*Solanum maglia* Molina) in the Argentinian Andes Mountains. (Ge) Deut. Bot. Ges. Ber. 78(10):492-498. Ref. 1965. 451 D48
- 8792 BURK, C. J., and NAH, C. H. Environmental control of a taxonomic character separating *Heterotheca* s. str. from *Chrysopsis*. *Rhodora* 68(775):406-408. July/Sept. 1966. 450 R34
Photoperiodic study of *Heterotheca*.
- 8793 CABRERA, A. L., and RE, R. R. An adventitious *Senecio* from the Buenos Aires Province. (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1):43-50. Ref. 1966. 9 R32
English summary.
Senecio burchellii, previously known as *S. incognitus*.
- 8794 CAMARGO G., L. A. New species of the genus *Berberis* from Colombia, Ecuador and Venezuela. (Sp) *Caldasia* 9(44):313-351. Apr.30, 1966. 516 C12
- 8795 CAVACO, A. The *Danaëis* (Rubiaceae) of Madagascar and the Comoro Islands. (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37(4):717-723. 1965. 410.9 P213
- 8796 CLAPHAM, A. R., TUTIN, T. G., and WARBURG, E. F. Flora of the British Isles; illustrations. Part IV. Monocotyledones. Cambridge, University Press, 1965. 119 p. 458 C53
- 8797 CLEWELL, A. F. Native North American species of *Lespedeza* (Leguminosae). *Rhodora* 68(775):359-405, maps. Ref. July/Sept. 1966. 450 R34
- 8798 CUATRECASAS, J. The genus *Sorocea* (Moraceae) from the eastern coast of Colombia. (Sp) *Ciencia* 24(5/6):185-188. Jan. 1966. 475 C48
English summary.
New spp. in *Sorocea*.
- 8799 GURIC, R. Some new localities of the *Dalmatian pellerpea* (*Petteria ramentacea* (Sieber) Presl in Herzegovina. (Se) *Nar. Sumar* 19(11/12):399-406. Ref. Nov./Dec. 1965. 99.8 N16
German summary.
- 8800 DAVIDIAN, H. H. A new *Rhododendron*, *R. succothii*. Roy. Hort. Soc. *Rhododendron Camellia Year Book* 20:103-105. 1966. 84 R343
- 8801 DAWSON, J. W. *Pittosporum cornifolium* and *Dacrydium laxifolium*. *Tuatara* 13(3):185. Nov. 1965. 442.8 T79
In New Zealand.
- 8802 DEINUM, D. *Oncidium stramineum* Batem. (Du) *Orchideen* (n.s.)28(4):91-92. Aug. 1966. 80 Or182
German summary.
- 8803 DUDLEY, T. R. The Anatolian collections of *Alyssum* L. made by Dr. Friederike Sorger (Linz/Donau, Austria) in 1962, 1963 and 1964. *Osterr. Bot. Z.* 112(5):746-761. 1965. 450 Os7
- 8804 DUGAND, A., and JOHNSTON, M. C. A new *Karwinskia* (Rhamnaceae) from northern Colombia. *Phytologia* 13(6):377-400. Sept. 1966. 450 P563
Karwinskia colombiana n. sp.
- 8805 DUGAND, A. Notes on the flora of Colombia and neighboring countries. (Sp) *Phytologia* 13(6):379-400. Sept. 1966. 450 P563
English summary.
- 8806 DULFER, M. Revision of the south African species of genus *Erica* L. (Ge) *Naturhist. Mus. Wien. Ann.* 68:25-177. 1964, pub. 1965. 410.9 V672
- 8807 DVORAK, F. *Hesperis pycnotricha* Borb. et Deg., diploid species of the *Hesperis* section. *Preslia* 38(3):245-248, map. Ref. 1966. 450 P92
- 8808 DVORAK, F. A note on two species of the genus *Hesperis* L. in the Near East. *Feddes Repert.* 72(1):19-24. Oct.30, 1965. 450 R29
A new form of *Hesperis cilicis* and *H. novakii* n. sp.
- 8809 DYER, R. A. *Crassula bloubergensis* sp. nov. Bot. Not. 119(2):213-215. 1966. 450 B656
- 8810 EASTERLY, N. W. An illustrated guide to the *Cruciferae* of Ohio. *Castanea* 30(4):177-191. Dec. 1965. 450 S082
- 8811 EBERLE, G. *Fluvelin* (Kickxia). (Ge) *Natur. Mus.* 95(9):399-402. Sept. 1965. 509 F856
Kickxia elatine and *K. spuria*.
- 8812 ENDTMANN, J. Investigations of tribes of the yellow deadnettle (*Lamium galeobdolon* (L.) Nath.). (Ge) *Feddes Repert.* 72(2/3):132-154. Ref. Mar.30, 1965. 450 R29
- 8813 ERDTMAN, G. Pollen and spore morphology, plant taxonomy: *Gymnospermae*, *Bryophyta*. Uppsala, 1965. 191 p. 463.46 Er2
Bibliography, p.157-182.
- 8814 FISHER, T. R. The genus *Silphium* in Ohio. *Ohio J. Sci.* 66(3):256-263. May 1966. 410 Oh3
- 8815 FOSBERG, F. R., and MAZZEO, P. M. Further notes on Shenandoah National Park plants. *Castanea* 30(4):191-205. Dec. 1965. 450 S082
Spermatophyta.

- 8816 FOSBERG, F. R. Studies in American Rubiaceae. 1. New and noteworthy Costa Rican species. *SIDA* 2(5):386-389. Sept. 1965. 450 Sil
Gonzalagunia longithyrsa, Hillia hathewayi, and Hoffmannia steinvorthii n. spp.
- 8817 FOSTER, R. C. Studies in the flora of Bolivia. IV. *Rhodora* 68(775):241-358. July/Sept. 1966. 450 R34
Spermatophyta.
- 8818 FU, S. H. Species and new combinations of Crassulaceae Sinicae. (Ch) *Acta Phytotaxonomica Sinica Additamentum* 1:111-128. Dec. 1965. 450 C43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 57:30-31. Mar. 22, 1966. (JPRS 34,658; TT 66-31097) 241.7 Un34C
- 8819 GANGSTAD, E. O., WHITEHURST, S. H., and STREETMAN, L. J. Tejas Indian grass [*Sorghastrum nutans*]. *Tex. Res. Found. Holitzelle Agr. Lab. Bull.* 24,14 p. July 1966. 330.9 T312
- 8820 GIBBS, P. E. A revision of the genus *Genista* L. *Edinb. Roy. Bot. Gard. Notes* 27(1):11-99. map. Ref. 1966. 451 E442N
- 8821 GILLI, A. Contributions to the flora of Afghanistan. V. Rosales and Geraniales. (Ge) *Feddes Repert.* 72(2/3):49-68. Mar. 30, 1965 450 R29
- 8822 GOMEZ POMPA, A. Study of the genus *Aspidosperma* in the flora of Misantla, Veracruz. (*Cy*) *Ciencia* 24(5/6):217-222, map. Ref. Jan. 1966. 475 C48
- 8823 GRIFFIN, J. R. Notes on disjunct foothill species near Burney, California. *Leaf. West. Bot.* 10(15):296-298. Sept. 29, 1966. 450 L47
Chiefly shrubs.
- 8824 HALL, A. V. Studies of the South African species of *Eulophia*. *J. S. Afr. Bot. Suppl. Vol. 5*, 248 p., map. 1965. 450 J8262A
- 8825 HAWKES, A. D. *Grafia*, a new genus of orchids. *Phytologia* 13(5):305-306. Aug. 1966. 450 P563
- 8826 HAWKES, A. D. Notes on *Bulbophyllum*. 1. *Phytologia* 13(5):308-309. Aug. 1966. 450 P563
Nomenclature.
- 8827 HAWKES, A. D. A problem in *Dendrobium*. *Phytologia* 13(5):307-308. Aug. 1966. 450 P563
Nomenclature.
- 8828 HEYN, C. C., and RAVIV, V. Experimental taxonomic studies in the genus *Scorpiurus* (Papilionaceae). *Torrey Bot. Club. Bull.* 93(4):259-267. Ref. July/Aug. 1966. 451 T63B
- 8829 HILLIS, W. E. Variation in polyphenol composition within species of *Eucalyptus* [camaldulensis] L'Herit. *Phytochemistry* 5(4):541-556. map. Ref. July 1966. 450 P5622
Chemotaxonomic study of Australian species.
- 8830 HO, C., and TSENG, T. C. Contributions to the Araliaceae of China. (Ch) *Acta Phytotaxonomica Sinica Additamentum* 1:129-176. Dec. 1965. 450 C43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 57:31-32. Mar. 22, 1966. (JPRS 34,658; TT 66-31097) 241.7 Un34C
- 8831 HOFFMANNNOVA, E. Flag with the maple leaf. (Cz) *Ziva* 14(4):131-133. June 1966. 409.6 Z6
Acer varieties in Canada; includes morphology of leaves.
- 8832 HOOVER, R. F. A new species of *Sanicula* from California. *Leaf. West. Bot.* 10(15):300-301. Sept. 29, 1966. 450 L47
Sanicula simulans n. sp.
- 8833 HOWELL, J. T. *Helleborine* in California. *Leaf. West. Bot.* 10(15):299-300. Sept. 29, 1966. 450 L47
Epipactis helleborine.
- 8834 HSING, K. H. A taxonomical study of the genus *Cyrtolium* Presl. (Ch) *Acta Phytotaxonomica Sinica Additamentum* 1:1-48. Dec. 1965. 450 C43
Abstracted in U. S. Joint Publ. Res. Serv. *Med. Sci.* 57:28-29. Mar. 22, 1966. (JPRS 34,658; TT 66-31097) 241.7 Un34C
Issued by CFSTI.
- 8835 HUBER, B. Could the fir tree in its postglacial immigration go beyond the central Alps? (Ge) *Forstwiss. Centraltbl.* 85(5/6):129-134. map. Ref. May/Jun. 1966. 99.8 F775
- 8836 HUDZIOK, G. New species of the genus *Taraxacum* Zinn. as well as a new species of the genus *Alchemilla* L. from Mark Brandenburg. (Ge) *Feddes Repert.* 72(1):25-30. Ref. Oct. 30, 1965. 450 R29
- 8837 HULTEN, E. New species of *Arenaria* and *Draba* from Alaska and Yukon. *Bot. Not.* 119(2):313-316. 1966. 450 B656
- 8838 HUTCHINSON, T. C. The occurrence of living and sub-fossil remains of *Betula nana* L. in Upper Teesdale. *New Phytol.* 65(3):351-357. map. Ref. July 1966. 450 N42
- 8839 JACQUES-FELIX, H., and LEBRUN, J. P. New or little known grasses of tropical Africa. (Fr) *J. Agr. Trop. Bot. Appl.* 13(1/3):39-55. Jan./Mar. 1966. 26 J822
- 8840 JANCEY, R. C. An investigation of the genus *Phyllota* (DC.) Benth. (Leguminosae). *Linn. Soc. New S. Wales. Proc.* 90(3):341-375, map. 1965. 514 Sy2
Includes taxonomic status.
- 8841 JANSSON, C. A. Two new species of *Rosularia* from the Orient. *Acta Horti Gotoburgensis* 28:181-187. 1966. 451 G712
Iraq and Afghanistan.
- 8842 JOVANCEVIC, M. Mountain pedunculate oak, a particular race. (Se) *Sumarstvo* 19(3/5):3-15. Ref. Mar./May 1966. 99.8 Su63
English summary.
- 8843 JOVET, P. *Guizotia abyssinica* L. Cass. in the outskirts of Paris (Compositae). (Fr) *Cah. Natur. (n.s.)* 22(1):9-12. Ref. 1966. 410 F432
- 8844 KLOZ, J., KLOZOVA, E., and TURKOVA, V. Chemotaxonomy and genesis of protein characters with special reference to the genus *Phaseolus*. *Preslia* 38(3):229-236. Ref. 1966. 450 P92
- 8845 KOLEV, I. Certain peculiarities in the classification and biology of *Convolvulus arvensis* L. (Ru) *Rastenievudni Nauk.* 2(3):37-48. Ref. 1965. 64.8 R18
English summary.
- 8846 KRAL, R. *Juncus capitatus* Weigel (Juncaceae) in Louisiana: new to the United States. *SIDA* 2(5):390-391. Sept. 1966. 450 S11
- 8847 KREIG, H. What would life be worth without flowers? In Reisigl, H., ed. *The world of flowers*, p. 7-9. 1965. QK86.R4
Wild flowers.
- 8848 KUWABARA, Y. Systematic and autecological studies on grasses. *Advancing Frontiers Plant Sci.* 15:77-86. Ref. 1966. 452.4 V81
- 8849 LARSEN, K., and ZERTOVA, A. The Australian *Lotus* species; a comparative taxonomical study. *Feddes Repert.* 72(1):1-18. Oct. 30, 1965. 450 R29
- 8850 LARSEN, K. Two new *Liliaceae* from the Khao Yai National Park. *Bot. Not.* 119(2):196-200. 1966. 450 B656
Neolourya thailandica and *Peliosanthes cum-berlegii* n. spp.
- 8851 LAUENER, L. A. Catalogue of the names published by Hector Leveillé. IV. *Edinb. Roy. Bot. Gard. Notes* 27(1):1-10. 1966. 451 E442N
Spermatophyta.
- 8852 LEWIS, G. J. Thunberg's South African species of *Gladiolus*—four name changes. *Bot. Not.* 119(2):286-296. 1966. 450 B656
- 8853 LITTLE, E. L. Eight pine species at Onion Valley, California. *Leaf. West. Bot.* 10(15):289-292. Sept. 29, 1966. 450 L47
- 8854 LITTLE, E. L. Trees and shrubs of the United States (identification). *BioScience* 15(11):743-744. Nov. 1965. 500 Am322A
A bibliography.
- 8855 LUI, S. O. A proposal for changing the Chinese name of *Yun-hsiang* K'o used to designate the Rutaceae family to *Kan-chieh* K'o. (Ch) *Chung-kuo K'o Hsueh Yuan Lin Yeh T'u* Jang Yen Chiu So Chi K'an 2:1-4. Aug. 1966. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 32:1. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3

- 8856 MANNETJE, L. T'. A punched card key to species of *Trifolium* L. in Africa south of the Sahara excluding Ethiopia. *East Afr. Agr. Forest. J.* 31(3):261-270. Jan.1966. 24 E#74
- 8857 MATUDA, E. New species of *Manfreda* (Amaryllidaceae) from Mexico. (Sp) *Ciencia* 24 (5/6):189-191. Jan.1966. 475 C48
Manfreda insignis and *M. tamazunchalensis* n. spp.
- 8858 MCCASKILL, J. *Euculidium syriacum* in California. *Leafl. West. Bot.* 10(15):293. Sept.29, 1966. 450 L47
- 8859 MCVAUGH, R. The occurrence of the genus *Podocarpus* in western Mexico. *Ciencia* 24 (5/6):223-226, map. Jan.1966. 475 C48
Taxonomic study.
- 8860 MERXMULLER, H. The *Senecio* succulents of South-West Africa. (Ge) *Bot. Not.* 119(2):121-135. Ref. 1966. 450 B656
- 8861 MEUSEL, H. In the valleys of the Himalayan cedars. In Reissig, H., ed. *The world of flowers*, p.151-153. 1965. QK86.R4
Cedrus deodara.
- 8862 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. I. *Phytologia* 13(6):401-444. Sept.1966. 450 P563
- 8863 MOLDENKE, H. N. Additional notes on the genus *Aegiphila*. XVII. *Phytologia* 13(5):318-343. Aug.1966. 450 P563
- 8864 MOLDENKE, H. N. Additional notes on the genus *Citharexylum*. III. *Phytologia* 13(5):310-317. Aug.1966. 450 P563
Taxonomy.
- 8865 MOLDENKE, H. N. Additional notes on the genus *Lippia*. I. *Phytologia* 13(5):343-363. Aug.1966. 450 P563
- 8866 MOLDENKE, H. N. Notes on new and noteworthy plants. XLV. *Phytologia* 13(5):306-307. Aug.1966. 450 P563
Taxonomy of *Clerodendron glabrum*, *Stachytarpheta scaberrima*, and *Verbena longifolia*.
- 8867 MOLDENKE, H. N. Two new species of *Lippia*. *Phytologia* 13(6):445-446. Sept.1966. 450 P563
Lippia michoacana and *L. culmenicola* n. spp.
- 8868 MOORE, H. E. *Chamaedorea metallica*, a new species from cultivation. *Principes* 10(2/3):44-50. Apr./July 1966. 80 P932
From Mexico.
- 8869 MOORE, H. E. New palms from the Pacific. *Principes* 10(2/3):85-99. Apr./July 1966. 80 P932
Includes n. spp. in *Cyrtostachys*, *Physokentia*, *Rehderophoenix*, and *Rhopaloblaste*.
- 8870 MOORE, H. E. Palm hunting around the world. V. New Guinea to the New Hebrides. *Principes* 10(2/3):64-85. Apr./July 1966. 80 P932
- 8871 MORA OSEJO, L. E. Partial inflorescence of the last order of *Uncinia* Pers. and the systematic grouping of *Caricoideae* Kukenthal. (Sp) *Caldasia* 9(44):277-293. Ref. Apr.30, 1966. 516 C12
- 8872 MORTZ, P. The flower island of Teneriffe. In Reissig, H., ed. *The world of flower*, p.138-141. 1965. QK86.R4
- 8873 MORTON, C. V. The type locality of *Astragalus monumentalis* Barney. *Leafl. West. Bot.* 10(15):292-293. Sept.29, 1966. 450 L47
Utah.
- 8874 NATKEVICHAIITE-IVANASKUSKENE, M. Some microspecies of *Festuca ovina* L. emend. Haeckel in Lithuania. (Rus) *Bot. Zhur.* 51(5):740-744, map. Ref. May 1966. 451 R923
- 8875 NORDENSTAM, S. Some new or less known *Hieracia* from northern Sweden. (Sw) *Bot. Not.* 119(2):249-258. Ref. 1966. 450 B656
- 8876 NORDENSTAM, B. Two new *Compositae* from Southern Africa. *Bot. Not.* 119(2):365-370. 1966. 450 B656
Othonna brandbergensis and *Helipterum montanum* n. spp.
- 8877 OREDBSSON, A. *Rubus langei* found in Sweden. (Sw) *Bot. Not.* 119(2):371-372. 1966. 450 B656
- 8878 PACKARD, F. M. Conservation in the United States of America. In Reissig, H., ed. *The world of flowers*, p.171-174. 1965. QK86.R4
Protected wildflowers.
- 8879 PAZOUT, F. *Gymnocalcium friedrichii* var. *moserianum* Paz. var. nov. (Du) *Succulenta* 45(7):99-100. July 1966. 450 Su12
- 8880 PETERSON, B. A new species of *Gnidia* (Thymelaeaceae) from South Africa. *Bot. Not.* 119 (2):345-348. 1966. 450 B656
Gnidia rubescens n. sp.
- 8881 POPNIKOLA, N. Division of the common birch (*Betula verrucosa*) into lower taxonomic classes. (Se) *Sumarstvo* 19(1/2):35-44. Ref. Jan./Feb.1966. 99.8 Su63
English summary.
- 8882 POPNIKOLA, N. New data on the Macedonian form of the birch with warts. (Se) *Nar. Sumar* 20(3/4):73-82. Mar./Apr.1966. 99.8 N16
Taxonomic study of species not belonging to *Betula verrucosa*.
- 8883 PORTER, C. L. *Eustoma* in Wyoming. *Leafl. West. Bot.* 10(15):288. Sept.29, 1966. 450 L47
Eustoma russellianum.
- 8884 PRZYBYLSKI, T. Local races of scots pine (*Pinus sylvestris* L.) in Poland, their genetic value and their origin. (Fr) *Sumarski List* 90 (1/2):96-104. Ref. Jan./Feb.1966. 99.8 Su6
English summary.
- 8885 RAUH, W. A botanist on expedition. In Reissig, H., ed. *The world of flowers*, p.10-12. 1965. QK86.R4
Collecting and preservation of wild flowers.
- 8886 RECHINGER, K. H. European species of the genus *Alkanna*. (Ge) *Naturhist. Mus. Wien. Ann.* 68:191-220, map. 1964, pub. 1965. 416.9 V672
- 8887 REISIGL, H. The flora of South Tyrol and the Dolomites. In his *The world of flowers*, p.126-130. 1965. QK86.R4
Spermatophyta; includes ecology.
- 8888 REISIGL, H. Notes to the illustrations. In his *The world of flowers*, p.19-121. 1965. QK86.R4
Illustrations of Spermatophyta from various part of the world, p.19-112.
- 8889 REISIGL, H. The plant world of the Mediterranean countries. In his *The world of flowers*, p.130-132. 1965. QK86.R4
Spermatophyta.
- 8890 REISIGL, H., ed. *The world of flowers*. New York, Viking Press, 1965. 240 p., map. QK86.R4
World flora, chiefly of wild flowers; includes ecology.
Translation of *Blumen-Paradiese der Welt*.
- 8891 RITTER, F. *Eriocactus claviceps* Ritter spec. nova. (Du) *Succulenta* 45(8):115-116. Aug. 1966. 450 Su12
- 8892 RITTER, F. New finds of cacti in Peru. (Du) *Succulenta* 45(8):117-119. Aug.1966. 450 Su12
Includes n. spp. in *Calymanthium*, *Armatoceus*, *Maticuna*, *Gymnanthocereus*, *Melocactus* and *Lasiocereus* n. g.
- 8893 RITER-STUDNICKA, H. Data on the distribution of *Betula pubescens* Ehrh. in Bosnia. (Se) *Nar. Sumar* 20(5/6):167-172. May/June 1966. 99.8 N16
German summary.
- 8894 RITTER-STUDNICKA, H. A new variety of *Genista sericea* Wulf. (Ge) *Bot. Jahrbucher* 85 (2):248-252. June 14, 1966. 450 En3B
English summary.
Genista sericea hercegovinica.
- 8895 ROBYNS, W. On the status of *Acrocephalus* Benth. with some new species from Katanga (Congo Republic). *Bot. Not.* 119(2):185-195. Ref. 1966. 450 B656
- 8896 ROE, K. E. Juvenile forms in *Solanum mitlense* and *S. blodgettii* (Solanaceae) and their importance in taxonomy. *SIDA* 2(5):381-385, map. Sept.1966. 450 S11
- 8897 ROIG, F. A. Mendoza grasses of the genus *Stipa*. I. Taxonomy. (Sp) *Univ. Nav. Cuyo. Fac. Cienc. Agr. Rev.* 11(1/2):3-110. 1964, pub. 1966. 102.5 M52
English summary.
Includes new species.
- 8898 ROSS-CRAIG, S. Drawings of British plants. Part XXI. *Boraginaceae*, *Convolvulaceae*, *Solanaceae*. London, Bell, 1965. 32 p. 458 R73

- 8899 ROSTANSKI, K., and KLOSA, K. The present distribution of *Oenothera silesiaca* Renner. (Ge) Feddes Reperi. 72(1):36-45, map. Ref. Oct. 30, 1965. 450 R29
- 8900 RUBTZOFF, P. Notes on fresh-water marsh and aquatic plants in California. VI. Leaf. West. Bot. 10(15):306-312. Ref. Sept. 29, 1966. 450 L47
Spermatophyta.
- 8901 RUIZ LEAL, A. Brief account of Cactaceae from Mendoza. (Sp) Soc. Argent. Bot. Bol. 23(141):91-96. July/Sept. 1965. 83 S01
- 8902 RUIZ LEAL, A. New Mendoza phanerogams. I. (Sp) Univ. Nac. Cuyo. Fac. Cienc. Agr. Rev. 11(1/2):159-179. 1964, pub. 1966. 102.5 M52
- 8903 RYCROFT, H. B. Proteas [Proteaceae] of South Africa. In Reislgl, H., ed. The world of flowers, p. 147-151. 1965. QK86.R4
- 8904 RZEDOWSKI, J., and VELA, L. *Pinus strobus* var. *chiapensis* of the Sierra Madre in south Mexico. (Sp) Ciencia 24(5/6):211-216, map. Ref. Jan. 1966. 475 C48
English summary.
- 8905 SACCO, T., and NANO, G. M. First contribution to the chemotaxonomy of some mints of the Spicatae section. (It) Riv. Ital. Essenze—Profumi—Pianta Offic.—Aromi—Saponi—Cosmet.—Aerosol 48(6):367-368. June 1966. 308.8 R52
- 8906 SAMPAIO, F. DE M., DE, and FRADE, E. C. The Dango Eucalyptus Arboretum; description and study of the behavior of existing species. (Por) Agron. Angolana 18:3-23. 1963, pub. 1965. 24 Ag83
English summary.
- 8907 SCHÄUBENBERG, P. The bulb book. 292 p. Ref. SB425.533
Chiefly taxonomy and cultivation.
Translation of Les Plantes Bulbeuses.
- 8908 SCHOLZ, H. *Agrostis tenuis* "Highland Bent" a synonym of *Agrostis castellana*. (Ge) Deut. Bot. Ges. Ber. 78(6):322-325. Ref. 1965. 451 D48
- 8909 SEGELBERG, I. *Erodium hirtum* (Forsk.) Willd. in Crete. Bot. Not. 119(2):373-375. Ref. 1966. 450 B656
- 8910 SEYMOUR, F. C. *Ammophila champlanensis* (Gramineae), a new species in New York and Vermont. SIDA 2(5):349-351. Sept. 1966. 450 S11
- 8911 SHINDO, K. Cytological, morphological, and geographical studies on the differentiation of species of *Kalimeris* in Japan. IV. Geographical distribution and chromosome number of *Kalimeris incis*. (Ja) Bot. Mag. Tokyo 79 (932/933):124-130, map. Feb./Mar. 1966. 450 B651
English summary.
- 8912 SHINNERS, L. H. *Cerastium glutinosum* Fries (Caryophyllaceae) in Mississippi: new to North America. SIDA 2(5):392-393. Sept. 1966. 450 S11
- 8913 SHINNERS, L. H. *Hypochoeris microcephala* var. *albiflora* (Compositae) in southeastern Texas: new to North America. SIDA 2(5):393-394. Sept. 1966. 450 S11
- 8914 SIMPFENDORFER, K. J. History of *Pinus radiata* D. Don. Victoria. Forest Comm. Forest. Tech. Pap. 17:5-14. Ref. June 1966. 99.9 V66F
- 8915 SIPKES, C. On yellowwort (*Blackstonia perfoliata* ssp. *serotina*). (Du) Levende Naur 69 (5):106-110. May 1966. 410 L57
Chlora perfoliata.
- 8916 SPARRE, B. Studies in Prelinnaean and early Linnaean Tropaeolum taxonomy and nomenclature. I. *Tropaeolum peregrinum* L. Bot. Not. 119(2):326-344, map. Ref. 1966. 450 B656
Includes n. sp.
- 8917 STACE, C. A. The use of epidermal characters in phylogenetic considerations. New Phytol. 65(3):304-318. Ref. July 1966. 450 N42
Taxonomy of Combretaceae, Rhizophoraceae, and Avicenniaceae
- 8918 STEINER, M. L. The floral splendour of the Philippines. In Reislgl, H., ed. The world of flowers, p. 158-160. 1965. QK86.R4
- 8919 STEINER, M. L. Hawaii—dream island of the Pacific Ocean. In Reislgl, H., ed. The world of flower, p. 160-162. 1965. QK86.R4
Spermatophyte flora.
- 8920 STRAUBSAUGH, P. D., and CORE, E. L. Flora of West Virginia. Part IV. Morgantown, 1964. p. 861-1075. 451 W523
Spermatophyta.
- 8921 STUART, D. Muscari and allies genera. Roy. Hort. Soc. Lily Year Book 29:125-138. 1966. 96.46 R81
- 8922 STUCKEY, R. L. The distribution of *Rorippa sylvestris* (Cruciferae) in North America. SIDA 2(5):361-376, map. Ref. Sept. 1966. 450 S11
- 8923 SUHL, F. F. Die Orchideen Deutschland. 5. Epipactis und Cephalanthera [Orchids of Germany. 5. Epipactis and Cephalanthera]. Neue Brehm-Bucherei 329, 52 p. Ref. 1964. 409 N392
- 8924 SUKOPP, H., and SCHOLZ, H. New investigations of *Rumex trianguilvalvis* (Danser) Rech. f. in Germany. (Ge) Deut. Bot. Ges. Ber. 78 (10):455-465, map. Ref. 1965. 451 D48
Distribution.
- 8925 TERPO, A. Critical revision of the wild species and the cultivated varieties of the genus *Capsicum* L. (Ge) Feddes Reperi. 72(2/3):155-191. Ref. Mar. 30, 1965. 450 R29
Taxonomy.
- 8926 TOMAN, J., and STARY, F. *Lythrum junceum* Banks et Soland. in Russ., a new variety introduced to Czechoslovakia. (Ge) Preslia 3(3):263-266, map. Ref. 1966. 450 P92
- 8927 URIBE URIBE, L. *Sertula florum* Colombiae. IX. (Sp) Calsidia 9(44):295-301. Apr. 30, 1966. 516 C12
New Melastomataceae of Colombia; n. spp. in *Adelobotrys* and *Hulalea*.
- 8928 UTTAL, L. J. Observations on *Ruellia purshiana* in Virginia. Castanea 30(4):228-230. Dec. 1965. 450 S02
- 8929 VALLEY, K. R., and COOPER, R. T. S. The *Orbancheaceae* of Ohio. Ohio J. Sci. 66 (3):264-265, map. May 1966. 410 Oh3
- 8930 WAGENFUHR, R. The nomenclature of tree varieties. (Cz) Dreversky Vyskum 2:61-66. 1966. 99.82 D812
English summary.
- 8931 WALTER, H. The plant world of Australia. In Reislgl, H., ed. The world of flowers, p. 157-158. 1965. QK86.R4
Spermatophyta.
- 8932 WALTER, H. The Southern Crimea—the Riviera of Eastern Europe, and the Nikita Gardens [Nikitskii Botanicheskii Sad]. In Reislgl, H., ed. The world of flowers, p. 132-134. 1965. QK86.R4
Spermatophyte flora.
- 8933 WANG, W. T., and HSIAO, P. K. Notes on Ramunculaceae Sinensis. II. (Ch) Acta Phytotaxonomica Sinica Additamentum I:49-110. Dec. 1965. 450 C43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 57:29-30. Mar. 22, 1966. (JPRS 34,658; TT 66-31097) 241.7 Un34C
- 8934 WARD, R. T. Alpine tundra on Mt. Cathedral in the southern Andes. New Zeal. J. Bot. 4(1):42-56. Ref. Mar. 1966. 450 N48
Spermatophyta.
- 8935 WARDLE, P., and MACRAE, A. H. Biological flora of New Zealand. I. *Weinmannia racemosa* Linn. f. (Cunoniaceae). Kamahi. New Zeal. J. Bot. 4(1):114-131, map. Ref. Mar. 1966. 450 N48
- 8936 WATSON, J. H. Plant and weed identification. Miss. State Univ. Ext. Publ. 553.4 p. Feb. 1966. 275.29 M68Ext
- 8937 WEBERLING, F. On the systematic position of the genus *Heptacodium* Rehd. (Ge) Bot. Jahrbucher 85(2):253-258. June 14, 1966. 450 En3B

- 8939 WEBSTER, G. L. The species of *Phyllanthus* (Euphorbiaceae) collected by Sesse and Mocino. SIDA 2(5):377-380. Sept.1966. 450 S11
Nomenclature.
- 8939 WEILER, J. Plant records in central California. Leaf. West. Bot. 10(15):301-306. Sept.29,1966. 450 L47
Spermatophyta.
- 8940 WEIMARCK, H. *Silene conica*, a latecomer to Skane's flora. (Sw) Bot. Not. 119(2):358-360, map. 1966. 450 B656
- 8941 WENDELBERGER, E. The Azalea miracle in the Smoky Mountains. In Reisch, H., ed. The world of flowers, p.169-171. 1865. QK86.R4
Ericaceae spp. and their ecology.
- 8942 WENDELBO, P. Further notes on *Eremurus* (Liliaceae) in Afghanistan. (Studies in the flora of Afghanistan 5). Acta Horti Gotoburgensis 28:57-63. 1966. 451 G712
Includes n. spp.
- 8943 WENDELBO, P. New taxa and synonyms in *Allium* and *Nectaroscordum* of SW. Asia. Acta Horti Gotoburgensis 28:15-54. Ref. 1966. 451 G712
- 8944 WHEELER, J. M. Cytotaxonomy of the large *Asiastadi* (Liliaceae) of the north island of New Zealand. New Zeal. J. Bot. 4(1):95-113, map. Ref. Mar.1966. 450 N48
- 8945 WILLIAMS, L. O. The *Agonandras* (Opiliaceae) of Mexico and Central America. Ciencia 24 (5/6):227-228. Jan.1966. 475 C48
Includes n. spp.
- 8946 WOHLER, J. R., WOHLER, I. M., and HARTMAN, R. T. The occurrence of *Spirodela oligorrhiza* in western Pennsylvania. Castanea 30(4):230-231. Dec.1965. 450 S082
- Pteridophytes
- 8947 HARBORNE, J. B. Comparative biochemistry of flavonoids. II. 3-Desoxyanthocyanins and their systematic distribution in ferns and Gesnerads. Phytochemistry 5(4):589-600. Ref. July 1966. 450 P5622
Taxonomic study.
- 8949 LEBRUN, J. P. Pteridophytes in the region of Paris. XIV-XXII. The genus *Asplenium* L. 1753. (Fr) Cah. Natur. (n.s.)22(1):13-23, map. 1966. 410 F432
- 8949 MEYER, D. E. A site for three *Botrychium* species and *Ophioglossum* with prothallium find on the curb of a street in a large city. (Ge) Deut. Bot. Ges. Ber. 78(9):396-397. 1965. 451 D48
Botrychium lunaria, *B. matricariifolium* and *B. multifidum* in West Berlin.
- 8950 NANNFELDT, J. A. *Dryopteris dilatata* and *D. assimilis* in Sweden. (Sw) Bot. Not. 119 (2):136-152, map. Ref. 1966. 450 B656
English summary.
- 8951 REED, C. F. Index Selaginellarum. Soc. Broteriaana. Mem. 18,287 p. 1965/66. 451 C66M
Introduction in English.
Bibliography, p.246-279
- Bryophytes
- 8952 MILLER, H. A., and INOUE, H. *Jensenia macrogyna*, a new Philippine hepatic. Amer. J. Bot. 53(7):708-711. Aug.1966. 450 Am36
- 8953 PARYKA, L. YA. The origin of the mountain Crimean bryoflora. (Ukr) Ukr. Bot. Zh. 23(4): 64-68. Ref. 1966. 450 J8212J
English summary.
- 8954 ULYCHNA, K. O. History of development of bryoflora on Chornohora Ridge (Ukrainian Carpathians). (Ukr) Ukr. Bot. Zh. 23(4):57-63. Ref. 1966. 450 J8212J
English summary.
- Algae
- 8955 ERNST, J. Quantitative data of the vertical distribution of Laminaria along the coast of Bretagne. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2715-2717. June 27,1966. 505 P21
Laminaria digitata, *L. hyperborea*, and *L. ochroleuca*.
- 8956 FOGED, N. Freshwater diatoms from Ghana. Danske Videnskaberens Selskab. Biol. Skr. 15 (1),169 p, map. Ref. 1966. 442.9 D23B
Includes n. spp. in *Eunotia*, *Cocconeis*, *Achnanthes*, *Caloneis*, *Neidium*, *Stauroneis*, *Navicula*, *Pinnularia*, *Amphora*, *Cymbella*, *Gomphonema*, *Nitzschia*, and *Surirella*.
- 8957 GRAFFIUS, J. H. Additions to our knowledge of Michigan Pyrrhophyta and Chloromonadophyta. Amer. Microscop. Soc. Trans. 85(2): 260-270. Ref. Apr.1966. 440.9 Am33
- 8959 HIROSE, H., and KUMANO, S. Spectroscopic studies on the phycoerythrins from Rhodophcean algae with special reference to their phylogenetical relations. Bot. Mag. Tokyo 79(932/933):105-113. Ref. Feb./Mar.1966. 450 B651
Chemotaxonomic study.
- 8959 HOHN, M. H. Analysis of plankton ingested by *Stizostedion vitreum vitreum* (Mitchill) Fry and concurrent vertical plankton tows from southwestern Lake Erie, May 1961 and May 1962. Ohio J. Sci. 66(2):193-197. Mar.1966. 410 Oh3
- 8960 HUERTA M., L., and GARZA BARRIENTOS, M. A. Marine algae of the coastal region of Campeche State. (Sp) Ciencia 24(5/6):193-200, map. Jan.1966. 475 C48
- 8961 KOMAREK, J., and RUZICKA, J. Freshwater algae from a lake in proximity of the Novolazarevskaya station, Antarctic. Preslia 38(3): 237-244. Ref. 1966. 450 P92
Chiefly taxonomy and ecology.
- 8962 OCAMPO-PAUS, R., and FRIEDMANN, I. *Radiosphaera negvensis* sp. n., a new Chlorococcalean desert alga. Amer. J. Bot. 53(7):663-678. Ref. Aug.1966. 450 Am36
- 8963 SWALE, E. M. F., and BELCHER, J. H. *Ochromonas ostreaeformis* nov. sp., a large compressed chrysomonad. New Phytol. 65(3):267-272. Ref. July 1966. 450 N42
From Great Britain.
- 8964 VANLANDINGHAM, S. L. Index to the genera in Atlas der Diatomaceen-Kunde, 1875-1959. Amer. Microscop. Soc. Trans. 85(2):295-297. Apr.1966. 440.9 Am33
- Fungi (Including Lichens)
- 8965 BAS, C. The genus *Squamania*. Persoonia 3 (3):331-359. Ref. 1965. QK600.P4
Includes *Squamania pearsonii* n. sp.
- 8966 BAS, C. A new *Galerina* from peat-bogs. Persoonia 3(3):360-364. 1965. QK600.P4
Galerina propinqua n. sp. from Germany and the Netherlands.
- 8967 BATISTA, A. C., and CAVALCANTI, W. A. Some Ascomycetes of the Amazon Basin. (Por) Broteria 35(1/2):57-66. 1966. 410 B79C
English summary.
Includes n. spp. in *Ainsworthia* and *Calothyrium*.
- 8968 BATISTA, A. C., and BEZERRA, J. L. Some *Botryosphaeria*ecae revised in IMUR. (Por) Broteria 35(1/2):81-91. 1966. 410 B79C
English summary.
- 8969 BRÜNK, M., and BARNETT, H. L. Mycoparasitism of *Dispira simplex* and *D. parvispora*. Mycologia 58(4):518-523. Ref. July/Aug.1966. 450 M99
Includes *Chaetomium* as host.
- 8970 CASH, E. K. A mycological English-Latin glossary. New York, Hafner, 1965. 52 p. (Mycologia Memoir No. 1) QK603.C3
- 8971 CASTBERG, C. Lichens. (No) Norsk Hagetid. 82(9):197. Sept.1966. 80 N81

- 8972 DECELIUS, G. Notes on the lichen flora of the Faroe Islands. Acta Horti Cotonburgensis 28:1-13. Ref. 1966. 451 G712
- 8973 DONK, M. A. The mycological publications of K. B. Boedijn. Persoonia 3(3):325-330. 1965. QK600.P4
Bibliography.
- 8974 DUDKA, I. O. New and rare species of Fungi Imperfecti from the basins of the southern part of Kiev Polesie. (Ukr) Ukr. Bot. Zh. 23(4):91-95. Ref. 1966. 450 J8212J
English summary.
Camposporium aquaticum n. sp.
- 8975 FIELDS, W. G., and GREAR, J. W. A new heterothallic species of Sordaria from Ceylon. Mycologia 58(4):524-528. Ref. July/Aug. 1966. 450 M99
Sordaria sclerogenia n. sp.
- 8976 GORBACH, N. V. Opredelel' listovatykh i kustistykh lishainok BSSR [Key for determination of foliaceous and shrub-like lichens of the Belorussian SSR]. Minsk, Nauka i Tekhnika, 1965. 180 p., map. Ref. QK590.W566
- 8977 HUGHES, S. J. New Zealand fungi. 6. Sporodischisma Berk. and Br. New Zeal. J. Bot. 4(1):77-85. Mar. 1966. 450 N48
Includes Chaetosphaeria aotearoae n. sp.
- 8978 INTERNATIONAL ASSOCIATION FOR PLANT TAXONOMY. COMMITTEE FOR INDEX FILICUM. Index Filicum; supplementum quartum pro annis 1934-1960. Regnum Veg. 37,370 p. Jan. 1965. 450 R26
Prepared by R. E. G. Pichi-Sermolli, and others; issued by International Bureau for Plant Taxonomy and Nomenclature.
Introduction in English.
Bibliography, p. 311-349.
- 8979 KHALABUDA, T. V. New species of the genus Mortierella Coemans. (Ukr) Mikrobiol. Zhur. 27(2):29-31. 1965. 448.3 K54
English summary.
- 8980 KHALABUDA, T. V. New species of Mortierella ovalispora and its varieties from the section Elongata. (Ukr) Mikrobiol. Zhur. 27(4):28-31. Ref. 1965. 448.3 K54
English summary.
- 8981 KLEMENT, O. Lichens from Mongolia; results of the Mongolian-German Biological Expedition of 1962. 7. (Ge) Feddes Repert. 72(2/3):98-123, map. Ref. Mar. 30, 1965. 450 R29
Includes Lecanora changaica n. sp.
- 8982 LARSEN, M. J. Tomentella and related genera in North America II. Studies of nomenclatural types of species described by Peck. Mycologia 58(4):597-613. Ref. July/Aug. 1966. 450 M99
- 8983 LEMKE, P. A. Dendrothele (1907) vs. Aleurocorticium (1963). Persoonia 3(3):365-367. 1965. QK600.P4
Nomenclature.
- 8984 MCNABB, R. F. R. Additions to the rust fungi of New Zealand. 4. New Zeal. J. Bot. 4(1):86-94. Ref. Mar. 1966. 450 N48
Includes Uromyces walpoua and Puccinia geipaviflori n. spp.
- 8985 MILKO, O. O. Fungi isolated from water of the Soviet part of the Danube River. (Ukr) Mikrobiol. Zhur. 27(3):38-44, map. Ref. 1965. 448.3 K54
English summary.
- 8986 MUNK, A. Three new species on inconspicuous Pyrenomyces. Bot. Not. 119(2):177-184. 1966. 450 B656
Tubefia minuta, T. corynespora and Delitschia gymnospora.
- 8987 PETRAK, F. Schedae ad cryptogamas exsiccatas edite a museo historiae naturalis vindobonensi. XLV. Naturhist. Mus. Wien. Ann. 68: 179-189. 1964, pub. 1965. 411.9 V672
Text in German.
Fungi, lichens and bryophytes.
- 8988 PILAT, A. An interesting mold (Phycomyces nitiens [Agardh] Kunze) grown in the flowerpot. (Cz) Ziva 14(4):138. June 1966. 409.6 Z6
- 8989 RAJENDREN, R. B. A new species of Caecoma from India. Torrey Bot. Club. Bull. 93(4):237-240. July/Aug. 1966. 451 T63B
Caecoma indicum n. sp.
- 8990 RAMAKRISHNAN, T. S. Notes on some fungi from south India. IX. Indian Acad. Sci. Proc. Sect. B, 62(1):32-35. July 1965. 513 In25B
Includes n. spp. in Erysiphe.
- 8991 RIFAI, M. A. On Sporidesmium trigonellum Sacc. Persoonia 3(4):407-411. Ref. 1965. QK600.P4
Includes Oncopodiella n. g.
- 8992 TALBOT, P. H. B. Studies of "Pellicularia" and associated genera of Hymenomycetes. Persoonia 3(4):371-406. Ref. 1965. QK600.P4
Taxonomy.
- 8993 TAYLOR, R. L. Occurrence of Microsporium gypseum in Thailand soils. Mycologia 58(4):648-650, map. July/Aug. 1966. 450 M99
- 8994 THOMPSON, T. W., and BACKUS, M. P. Further notes on Pycnidophora dispersa and Pseudurotium multisporum. Mycologia 58(4):650-655. Ref. July/Aug. 1966. 450 M99
Taxonomic study.
- 8995 TRAPPE, J. M. Cenococcum graniforme in Mexico. Mycologia 58(4):647-648. July/Aug. 1966. 450 M99
- 8996 WALKER, J. Polythrincopsis gen. nov. (Fungi Imperfecti) on Phragmites communis Trin. Australian J. Bot. 14(2):195-200. July 1966. 450 A72
Causing leaf spot disease.
- 8997 WOILLUM, A. G., YOUNGBERG, C. T., and GILMOUR, C. M. Characterization of a Streptomyces sp. isolated from root nodules of Ceanothus velutinus Dougl. Soil Sci. Soc. Amer. Proc. 30(4):463-467. Ref. July/Aug. 1966. 56.9 S03
- 8998 WRIGHT, J. E. The genus Phaeotrametes. Mycologia 58(4):529-540. Ref. July/Aug. 1966. 450 M99
From South America and Australia.
- 8999 YEN, J. M., and HSU, S. C. A new fungus disease of sugarcane, caused by Leucoporus sacchari Yen and Hsu (n. sp.). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):128-131. Ref. July 11, 1966. 505 P21

WEEDS AND POISONOUS PLANTS

- 9000 BACHTHALER, G. The current status of the dissemination of wild oats (Avena fatua) in the Federal Republic of Germany. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:31-34, map. 1965. 464.8 Z33
English summary.
- 9001 CAMARGO, W. V. A. Poisonous plants and their properties. (Por) Biologico 32(2):23-29. Feb. 1966. 442.8 B529
- 9002 CERRIZUELA, E., MARIOTTI, J. A., and AREVALO, R. A. Influence of weeds in sugarcane culture. (Sp) Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman 43(2/3):1-12. Ref. May/Dec. 1965. 9 T79
English summary.
Effects on yields.
- 9003 DERMINE, E. Herbicide residues in the soil. (Fr) Rev. Agr. [Brussels] 19(4):439-451. Apr. 1966. 13 R322
- 9004 HANSLIAN, L., and KADLEC, K. Wood from the hygienic point of view. VIII. Biological effects of wood. (Cz) Drevo 21(7):229-232. Ref. July 1966. 99.82 D81
English summary, p. 2 of supplement.
Chiefly allergenic.
- 9005 HARDIN, J. W. Stock-poisoning plants of North Carolina. N. C. Agr. Exp. Sta. Bull. 414, rev. 126 p., map. Ref. May 1966. 100 N81
- 9006 HOUDA, J. Viscum album in Juglans nigra L. (Cz) Ziva 14(4):136. June 1966. 409.6 Z6
Parasitic plant.
- 9007 JOHANNES, H. Working party methods in the European Weed Research Council; report of activity. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:23-30. 1965. 464.8 Z33

- 9009 KINGSBURY, J. M. Poison ivy [Toxicodendron radicans], poison sumac [Toxicodendron vernix], and other rash-producing plants. Cornell Univ. Ext. Cornell Ext. Bull. 1154, 16 p. July 1966. 275.29 N48E
- 9009 LI, Y. H. Poisonous plants. (Ch) Shengwuxue Tongbao 1:1-6. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:1. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 9010 MCWHORTER, C. G., and HOLSTUN, J. T. Science against weeds. U. S. D. A. Yearbook Agr. 1966:74-82. 1 Ag84Y
- 9011 MEYER, M. P., and FRENCH, D. W. Forest disease spread; the rate-of-spread of dwarf-mistletoe in black spruce forests can be assessed through sequential aerial photography. Photogram. Eng. 32(5):812-814. Sept. 1966. 325.28 P56
- 9012 RICHTER-RETHWISCH, F. The spread of the two French weed species *Galinsoga parviflora* Cav. and *Galinsoga ciliata* (Raf.) Blake in the German Republic. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz Sonderheft 3: 35-37, map. 1965. 464.8 Z33
English summary.
- 9013 ROBERTS, H. A., and STOKES, F. G. Studies on the weeds of vegetable crops. VI. J. Appl. Ecol. 3(1):181-190, map. Ref. May 1966. 410 J828
- 9014 RUSCH, R. To identify our camomile [*Anthemis* and *Matricaria*] species in the early stages. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:103. 1965. 464.8 Z33
English summary.
- 9015 SCHARPF, R. F., and PARMETER, J. R. Determining the age of dwarfmistletoe [*Arceuthobium campylopodium abietinum*] infections on red fir [*Abies magnifica*]. U. S. Forest Serv. Res. Note PSW-105, 5 p. 1966. A99.9 F7652
- 9016 STEVENS, O. A., and MITICH, L. W. Plants which may be poisonous. N. Dak. State Univ. Ext. Circ. A-471, 4 p. May 1965. 275.29 N812Sa
- 9017 STRYCKERS, J. M. T. On the activity of the European Weed Research Council. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:13-18. 1965. 464.8 Z33
- 9018 TOMAR, P. S., and MATHUR, O. P. A survey of common weeds in Gang Canal commanded area in Rajasthan. Indian J. Agron. 10(4):375-380. Dec. 1965. 22 In235
- Weeds - Biology
- 9019 DEUTSCHE ARBEITSBESPRECHUNG UBER FRAGEN DER UNKRÄUTERBIOLOGIE UNDBEKÄMPFUNG, 6. STUTTGART-ICHENHEIM, 1964. Ergebnisse [Results of the German Working Conference on Problems of Weed Biology and Control], edited by B. Rademacher and W. Koch. Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3, 383 p., map. Ref. 1965. 464.8 Z33
- 9020 FISYUNOV, O. V. Viability of weed seeds in corn silage. (Uk) Visnyk Sil's'kohospodar. Nauk 12:50-52. 1964. 20 V82
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:43. Aug. 1965. Film S-202
- 9021 MILLER, J., and ROSS, C. Inhibition of leaf processes by p-fluorophenylalanine during induction of flowering in the cocklebur. Plant Physiol. 41(7):1185-1192. Ref. Sept. 1966. 450 P692
- 9022 NEURURER, H. Observations on the changes in the weed associations as a result of agricultural and plant protection measures. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:39-43. 1965. 464.8 Z33
English summary.
- 9023 OKONKWO, S. N. C. Studies on *Striga senegalensis*. III. In vitro culture of seedlings. Establishment of cultures. Amer. J. Bot. 53(7):679-687. Ref. Aug. 1966. 450 Am36
- 9024 SUN, C. P. A study of the growth and development of weeds in the fields. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:1-8. Sept. 1965. Not in Libr.
Includes control.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:73. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
- 9025 ZHELEV, A. Study on distribution of weed seeds in the soil. (Bu) Priroda [Sofia] 14(5): 61-62. Sept./Oct. 1965. 410 P934
Weed Control
- 9026 BILLE, O. My worst enemy. (No) Norsk Hagetid. 82(7/8):165. July/Aug. 1966. 80 N81
Control of *Scilla sibirica* in the garden.
- 9027 DISKUS, A. 15 years of modern weed control. (Ge) Presse-Umschau 175(6):1-4. 1966. 19 L237
- 9028 KEES, H. Trends in the practical weed control in the Upper Bavaria. (Ge) Gesunde Pflanzen 18(4):75-77. Apr. 1966. 464.8 G33
- 9029 NEURURER, H. Control of important weeds in 1965. (Ge) Pflanzenarzt 18(10):107-108. Oct. 1. 1965. 464.9 P482
Chiefly grain weed control.
- 9030 NEURURER, H. Instructions of the Federal Bureau for Plant Protection for the weeds control. (Ge) Pflanzenarzt 19(3, spec. no.):1-16. Feb. 1966. 464.9 P482
- 9031 NEURURER, H. Survey and outlook of the sugar beets weed control. (Ge) Pflanzenarzt 19(3):28-30. Mar. 1, 1966. 464.9 P482
- 9032 ROCHE', B. Controlling undesirable stock plants. WSU (Washington State Univ.) Stockmen's Short Course, 13th Course:139-145. 1965. 49.9 W27
- 9033 SAVKOVIC, A. Weed control of sugar beets grown for seed in the Vrana area. (Se) Biljna Zastita 10(4):93-95. (Cont.) Apr. 1966. 464.8 B49
- 9034 SAVKOVIC, A. Weed control of sugar beets grown for seed in the Vrana area. (Se) Biljna Zastita 10(5):105-108. (Cont.) May 1966. 464.8 B49
- 9035 SCHMIDT, H. Report on the complex theme "Chemical and mechanical weed control." (Ge) Feldwirtschaft 7(7):383-384. July 1966. 18 W763
- 9036 THURSTON, J. Developments in control of wild oats. Farming Progr., Mar. 1966:2-4. 10 F2244
Biological, cultural, and chemical control of *Avena fatua* and *A. ludoviciana* in field crops and vegetables in Great Britain.
- Weed Control - Chemical
- 9037 ABRAMOV, N. G., and KOPTELOVA, R. G. Application of STA in control of Agropyron repens on flax. (Rus) Khim. Sel'skom Khoz. 4(4):41-43. Apr. 1966. 385 K524
- 9038 ALAN, P. B., and ESWANDZIYA, G. A. Testing some herbicides in Abkhazia. (Ge) Sukhums. Opytn. St. Efironomasiich. Kul'tur. Tr. 5:69-75. 1964. Not in Libr.
Corn and basil.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:50. Aug. 1965. Film S-202
- 9039 ALLEY, H. P., and others. Wyoming weed control guide, 1966. Wyo. Agr. Exp. Sta. Bull. 442, 27 p. Mar. 1966. 100 W99
G. A. Lee, F. L. Timmons, E. B. Hollingsworth, and A. F. Gale, joint authors.
Chemical control, chiefly, on forage plants, sugar beets, and grain.
- 9040 AMATATSU, K., and YOSHIZAWA, N. Usage and effect of herbicide-PCP for paddy field. 14 p. Transl. 15809
Translation from Nogyo Gijutsu 14(6):262-264. 1959.

- 9041 ANTONELLI, C. Notes on some beet herbicides. (It) *Romagna Agr. Zootec.* 51(2):66-74. Feb. 1966. 15 R66
- 9042 BACHTHALER, G. Results of several years of experience with herbicides on a urea basis for the control of *Apera spicaventi* and *Poa trivialis* in winter grain. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:89-93. 1965. 464.8 Z33
English summary.
- 9043 BAUER, F. Solutions of cyanamide as herbicides. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:241-248. Ref. 1965. 464.8 Z33
English summary.
- 9044 BEINHAUER, H. Experiences with buturon and other carbamate derivatives in winter grain. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:77-87. 1965. 464.8 Z33
English summary.
- 9045 BERENYI, J. Dodder and rodent control in lucerne culture. (Hu) *Magyar Mezőgazdaság* 21(26):14. June 29, 1966. 19 M27
Chemical.
- 9046 BOEKER, P., RICHTER, W., and SAUER, O. Observations on tests with growth inhibiting agents along the freeways and highways. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:341-345. 1965. 464.8 Z33
English summary.
- 9047 BUTTERFIELD, N. W. Report for weed control in *Gladiolus* for 1965. *Gladiolus* 41:144-153. 1966. 96.43 N44
Chemical.
- 9048 CALDERBANK, A., and SLADE, P. The fate of paraquat in plants. *Outlook Agr.* 5(2):55-59. Ref. 1966. 10 Ou8
Chiefly on fruit, vegetables, and grain in Great Britain.
- 9049 CHENG, K. H., and SU, S. C. A preliminary report of weeding garlic fields with simazine and atrazine. (Ch) *Tung-pei Nung Yeh Yuan Hsueh Pao* 3:9-12. Sept. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-med. Sci.* 47:74. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.
- 9050 DAAMS, J. The behavior of dichlobenil in the soil and in plants. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:139-144. 1965. 464.8 Z33
English summary.
- 9051 DOBSCHALL, M. Half-and-half combination in the weed control of sugar beets stands. (Ge) *Gesunde Pflanzen* 18(6):120-123. June 1966. 464.8 G33
Avadex and pyramin.
- 9052 DONA DALLE ROSE, A., and OLIMPIERI, R. Comparison test in beet weed control. (It) *Prog. Agr. [Bologna]* 12(6):577-592. June 1966. 58.8 P94
- 9053 DREW, J. S., and VAN ARSDALL, R. N. The economics of preemergence herbicides for controlling grass weeds in corn production. *Ill. Agr. Econ.* 6(2):25-30. July 1966. 281.9 IL61
- 9054 ERNST, W., and BOHME, C. The metabolism of urea herbicides in the rat. I-II. (Ge) *Food Cosmet. Toxicol.* 3(5/6):789-802. Ref. Nov./Dec. 1965. 391.8 F73
English summary.
I, Monuron and aresin; II, Diuron and afalon.
- 9055 FRANS, R. E. Sandbur [Cenchrus spp.] control in bermudagrass pastures. *Ark. Farm Res.* 15 (3):3. May/June 1966. 100 Ar42F
Chemical.
- 9056 FROHNER, W. Experiments in the application of CCC (Chloro-choline-chloride) in combination with herbicides. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:369-373. 1965. 464.8 Z33
English summary.
Weat.
- 9057 FULLERTON, T. M., DAVIS, A. M., and FRANS, R. E. Effect on turfgrass establishment of preemergence herbicides and fertility level. *Ark. Farm Res.* 15(4):4. July/Aug. 1966. 100 Ar42F
- 9058 FYKSE, H. Experiments on chemical control of wild oat in barley, 1963-1965. (No) *Forsk. Forsk. Landbruket* 17(2):147-162. Ref. 1966. 11 F772
English summary.
- 9059 GAST, A., GROB, J., and FANKHAUSER, E. Experiences in weed control with triazine hormone mixtures in grain culture (preliminary contribution). (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:325-329. 1965. 464.8 Z33
English summary.
- 9060 GEHRE, H. Use of herbicides in kidney beans. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(21):1198. 1200. Aug. 4, 1966. 18 N39
- 9061 GEMESI, A. Dodder [Cuscuta] eradication with Reglone. *Outlook Agr.* 5(1):28-34. Ref. 1966. 10 Ou8
Control in red clover and lucerne in Hungary.
- 9062 GIMESI, A. Time and method for dodder control. (Hu) *Magyar Mezőgazdaság* 21(32):13-14. Aug. 10, 1966. 19 M27
Chemical.
- 9063 GONZALEZ, J. A., MADRIGAL, M., and MATUS, H. Chemical control of coffee weeds. (Sp) *Nuestra Tierra* 9(1/2):28-35. 1965. 8 N882
- 9064 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Docks and sorrels. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 46, rev., 5 p. Oct. 1965. 10 G79La
Chemical control of Rumex.
- 9065 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Thistles and their control. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 51, rev., 5 p. Oct. 1965. 10 G79La
Chiefly chemical control of *Cirsium*, *Carduus*, and *Conchus*.
- 9066 HAAS, R. H., and LEINWEBER, C. L. Brush control; basic research helpful. *Tex. Agr. Progr.* 12(3):17-18. Summer 1966. 100 T31Te
Chiefly control of mesquite with 2,4,5-T.
- 9067 HAFLIGER, E. Experiences with the log-sprayer method; triazine combinations to control silky bentgrass and camomile. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:115-122. 1965. 464.8 Z33
English summary.
Agrostis spica-venti and *Matricaria chamomilla*.
- 9068 HAMILTON, K. C. Spurge [Euphorbia] control in bermudagrass. *Ariz. Agr. Exp. Sta. Rep.* 230:1-2. 1965. 100 Ar4M
Control with DCPA and 2,4,5-T.
- 9069 HANF, M. The influence of various factors on the effect of soil herbicides. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:173-188. 1965. 464.8 Z33
English summary.
Environment.
- 9070 HANSCHKE, D. Changes in the composition of the ground vegetation due to application of herbicides in the establishment of pine cultures in the Hessian moors. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:45-57. 1965. 464.8 Z33
English summary.
Calamagrostis epigeios and *Agrostis vulgaris* controlled with TCA and Simazine.
- 9071 HERON, J. W. Common lawn weeds. *Ky. Univ. Ext. Circ.* 557-A, 39 p. June 1966. 275.29 K415
Chiefly chemical control.
- 9072 HIERHOLZER, O. On the possibilities of "direct seeding" with the help of paraquat. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz.* Sonderheft 3:283-290. Ref. 1965. 464.8 Z33
English summary.
Tested on turf and grasses.

- 9073 HOFFMAN, G. O. Brush control; field trials promising. (Text Agr. Progr. 12(3):18-20, Summer 1966. 100 T31Te
Control of mesquite with 2,4,5-T.
- 9074 HOLZ, W. New methods of chemical control of weeds in and around drainage ditches. (Ge) Gesunde Pflanzen 18(6):103-104, 106. Ref. June 1966. 464.8 G33
- 9075 HOOD, A. E. M. Ploughless farming using Gramoxone. Outlook Agr. 4(6):286-294. Ref. 1965. 10 Ou8
Weed control in wheat, barley, and kale in Great Britain.
- 9076 HOOD, A. E. M. The use of paraquat as an alternative to plowing. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. 3: 291-296. 1965. 464.8 Z33
English summary.
Great Britain.
- 9077 JOHANNES, H. Investigations of the problem of chemical weed control in ditches. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:163-172. 1965. 464.8 Z33
English summary.
Control of aquatic weeds.
- 9078 JONSSON, N. How to control weeds on pastures and meadows? (Sw) Forsk Forsk. 5, 8 p. 1966. 11 F77
- 9079 KAUFHOLD, W. Control of weeds in vineyards with growth substance herbicides. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:309-312. 1965. 464.8 Z33
English summary.
To control Convolvulus arvensis.
- 9080 KEGLEVIC, S. Herbicides in the weed control of corn stands. (Se) Biljna Zastita 10(6/7): 163-166. June/July 1966. 464.8 B49
Includes residual effectiveness.
- 9081 KHEBAROVA, N., and DECHEVA, G. Symmetrical triazine derivatives in agriculture. (Bu) Priroda [Sofia] 14(2):27-31. Mar./Apr. 1965. 41G P934
As herbicides and fungicides.
- 9082 KOHLER, S. Chemical control of rushes [Juncus effusus] from aircraft. (Ge) Feldwirtschaft 7(6):326-328. June 1966. 18 W763
- 9083 KRAMER, D., and MANZKE, E. Recent research in chemical weed control in ditches. (Ge) Feldwirtschaft 7(5):252-254. May 1966. 18 W763
Drainage ditches.
- 9084 KRAMER, W. Investigations over a period of years on the application of prometryn and triazine-combinations in potato culture. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:331-335. 1965. 464.8 Z33
English summary.
- 9085 KRIZ, J. Tests with the chemical weed control of hop stands. (Cz) Chmelarstvi 38(1):10-11. Jan. 20, 1966. 70.8 C33
- 9086 KUTHE, K. First experiences in the control of aquatic plants. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3: 337-340. 1965. 464.8 Z33
English summary.
With Gramoxone.
- 9087 LEIDERMAN, L., and SANTOS, C. A. L. DOS. Control of Brachiaria plantaginea in transplant onion stands. (Por) Biologico 32(4):75-78. Apr. 1966. 442.8 B529
English summary.
Tests with herbicides.
- 9088 LEIDERMAN, L., and KRAMER, M. Control of the noxious weeds in carrot stands with residual herbicides. (Por) Biologico 32(3):43-48. Mar. 1966. 442.8 B529
Includes pre-emergence use.
- 9089 LINDEGAARD, J. Control of weeds in winter and spring grain. (Da) Landbonyt 20(5):162-164. May 1966. 11 L2322
- 9090 LINDEGAARD, J. Use of chemicals in seed growing. (Da) Landbonyt 20(8):259-262. Aug. 1966. 11 L2322
Control of weeds of forage plants.
- 9091 LODE, O. Characteristics and use of diquat and paraquat. (No) Norsk Landbruk 6:20-21. Mar. 25, 1966. 11 N8122
- 9092 LYUBENOV, YA. On the chemism of action and ways of inactivating the herbicides in plants and soils. (Bu) Selskotoopsanska Nauk. 4(3):55-64. Ref. 1965. 21 Se482
- 9093 MAHLSTEDE, J. P., and LOVELY, W. G. Application of granular herbicides to ornamental plant materials in nurseries. U. S. Agr. Res. Serv. ARS-42-96, 15 p. May 1966. A58.9 R31
Iowa Agricultural Experiment Station, cooperating.
- 9094 MAKODZEEBA, I. A., and SHAMKYI, I. F. Chemical control of Acroptilon piciis. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:39-43. June 1965. 20 V82
Russian summary.
Field crops.
- 9095 MAROCCHI, G. Chemical weed control; notes on the Paris International Study Conference. (It) Mercanzia 21(6):431-440. June 1966. 287 B635
- 9096 MCWHORTER, C. G., WOOTEN, O. B., and BAKER, R. S. Pre-emergence herbicide injection for weed control. Miss. Agr. Exp. Sta. Bull. 723, 7 p. Mar. 1966. 10C M69
U. S. Department of Agriculture, cooperating. In cotton and soybeans.
- 9097 MEYER, J. Results of tests for the control of blackgrass [Alopecurus myosuroides] with urea compounds compared with known herbicides. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:95-98. 1965. 464.8 Z33
English summary.
Wheat.
- 9098 MIKKELSEN, V. M. Field weeds in Denmark. (Da) Tolvmandsbladet 38(6):307-312. June 1966. 11 T58
Includes chemical control.
- 9099 MISRA, D. K., and KUMAR, V. Tephrosia purpurea a weed in arid zone farming. Indian J. Agron. 10(4):371-374. Dec. 1965. 22 In235
Control with 2,4-D.
- 9100 NEURUER, H. Status of weed control of corn. (Ge) Pflanzenschutz 19(6):70-72. June 1, 1966. 464.9 P482
Chiefly chemical.
- 9101 ORTH, H. New methods in weed control, especially for Matricaria chamomilla in onions. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:105-107. 1965. 464.8 Z33
English summary.
With naphthoxy acetic acid.
- 9102 PALMER, R. D., and BROADHEAD, D. Weed control in Tracy sorgo. Miss. Agr. Exp. Sta. Inform. Sheet 909, 2 p. Nov. 1965. 100 M69in
Use of propazine.
- 9103 PRELESNIK, A. Tests with the herbicidal effectiveness of vapam. (Sl) Gozdarski Vest. 24(1/2):17-20. 1966. 99.8 G74
In forest nurseries.
- 9104 RICHTER, W. Experience with 4-amino-3,5,6-trichloropicolinic acid (Tordon) in the weed control of permanent grasslands of the North-western Germany. (Ge) Gesunde Pflanzen 18(6):108, 110-111. June 1966. 464.8 G33
- 9105 RODRIGUEZ, S. J., and FELIBERTY, A. R. Effects of different levels of four herbicides used as pre-emergent treatment on the establishment of centipede lawn grass (Eriochloa ophiuroides). P. R. Univ. J. Agr. 50(3):241-246. Ref. July 1966. 8 P832J
- 9106 ROMANOWSKI, R. R., and TANAKA, J. S. An evaluation of herbicides for use with cucumbers (Cucumis sativus) and watermelons (Citrullus vulgaris) in Hawaii. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 144, 30 p. July 1965. 100 H313P
- 9107 ROMANOWSKI, R. R., and TANAKA, J. S. Secondary herbicide screening trials with leguminous vegetable crops in Hawaii. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 146, 23 p. Dec. 1965. 100 H313P

- 9109 SCHOLL, S. Experiences with soil herbicides and herbicide mixtures for total weed control with special consideration of substituted uracil; some remarks on the appearance of secondary weed infestations after the use of total herbicides. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:59-69, 1965. 464.8 Z33
English summary.
- 9109 SCHWENK, P. Chemical weed control in new alfalfa plantings. (Ge) Feldwirtschaft 7(4):190-192, Apr.1966. 18 W763
East Germany.
- 9110 SHILO, M. Study on the isolation and control of blue-green algae from fish ponds. Bamideh 17(4):83-93. Ref. Dec.1965. 414.8 B21
Control of Anabaena spiroides with herbicides.
- 9111 SHISHKIN, A. I. Experimental use of simazine on collective and state farms in Moscow Region. (Rus) Khim. Sel'skom Khoz. 4(4):72-75. Apr. 1966. 385 K324
Weed control of field crops.
- 9112 SISTO, A. M. Repertorio sistematico dei principi attivi ad azione diserbante [Systematic guide to active principles with herbicidal action]. Manuali Fitopatologia 10,136 p. Ref. 1965. 464.8 M31
- 9113 SKIRDE, W. Contribution to the problem of chemical grassland renewal. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:297-304. 1965. 464.8 Z33
English summary.
- 9114 SMOKVINA, Z., and JOJIC, D. Possibilities of the application of herbicides based on 2,4,5-T. (Se) Biljna Zastita 10(5):110-113. May 1966. 464.8 B49
In forestry.
- 9115 STORR, W. Experiences in controlling camomile in northern Hesse. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:109-113. 1965. 464.8 Z33
English summary.
Herbicides for control of Matricaria chamilla.
- 9116 SYNAK, J., and others. The control of quackgrass with sodium chloralsulfonate. (Cz) Agrochemia [Bratislava] 6(6):161-165. 1966. 385 Ag88
S. Priehradny, M. Barka, V. Konecny, and S. Truchlik, joint authors.
English summary, p.1 of supplement.
- 9117 SZILVASSY, L., and CSAVAS, I. Herbicides for rice. (Hu) Magyar Mezőgazdaság 21(37):15. Sept.14,1966. 19 M27
- 9118 TAYLORSON, R. B., JAWORSKI, C. A., and MURPHY, W. S. Herbicides for establishment of Crotalaria as a cover crop in tomato transplant production. Ga. Agr. Res. 7(4):6-8. Spring 1966. 100 G295
- 9119 TRUNKOV, I. Possibilities for reduced inter-row cultivation of corn by use of herbicides. (Bu) Rastenievudni Nauk. 2(6):119-128. 1965. 64.8 R18
English summary.
Atrazine used.
- 9120 VIDME, T. Kjemiske middel mot ugras [Chemical preparations against weeds]. Norway. Landbruksdep. Opplysningstjenesten. Smaskr. 5, rev., 23 p. 1966. 464.4 N83
- 9121 WEILER, N. Results of tests for the control of blackgrass [Alopecurus myosuroides] in grain. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:99-101. 1965. 464.8 Z33
English summary.
With urea herbicides.
- 9122 WOLFERT, J. E. Weed control in grass seed. (Du) Loonbedrijf Land- Tuinbouw 19(7):633, 635, 637, 639. July 1966. 283.8 L87
Chemical.
- WORTMANN, G. B. Electron microscope studies of leaf surfaces and changes caused by plant protection chemicals. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 72 (11/12):641-670. Ref. Nov./Dec.1965. 464.8 Z3
English summary.
Brassica napus, Triticum aestivum, and Beta vulgaris treated with MCPA, Pyramin, and parathion.
- 9124 ZAKOPAL, J. The importance of the chemical control of weeds in alfalfa stands. (Cz) Agrochemia [Bratislava] 6(6):176-177. 1966. 385 Ag88
- 9125 ZANARDI, D., and PINNA, F. Chemical weed control of autumn beets in Sardinia. (It) Colt. G. Vinicolo Ital. 112(5):162-168. (Cont.) May 1966. 16 C72
- 9126 ZANARDI, D. Use of herbicides and effects of non-tillage in vineyards: Italian report. (Fr) Office Int. Vigne Vin. Bull. 39(424):651-673. Ref. June 1966. 390.9 B87
- 9127 ZIEGENBEIN, C. Newer studies with herbicides for forage plants. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:313-324. 1965. 464.8 Z33
English summary.

Weed Control - Cultural, Biological

- 9128 BUTLER, G. D. Progress report on the biological control of puncture-vine [Tribulus terrestris] with weevils. Ariz. Agr. Exp. Sta. Rep. 230:17-20. 1965. 100 Ar4M
Control with Microlarinus lypriformis, and M. lareynii.
- 9129 GOTCHER, J. W. Flame cultivation—why? when? where? how? West. Farm Equip. 63(1):11-13. Jan.1966. 58.8 Im73
- 9130 GRAF, N. Weed infestation of vineyards depending upon the form of training. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:71-72. 1965. 464.8 Z33
English summary.
Spacing of rows.
- 9131 KOCH, W. Changes in the weed flora as a result of various methods of stubble treatment. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:73-76. 1965. 464.8 Z33
English summary.
- 9132 KOLEV, I. The effect of tillage of Chestnut forest soils on weed volume in the Sofia area. (Bu) Rastenievudni Nauk. 2(4):149-156. 1965. 64.8 R18
English summary.
- 9133 LICHEV, S., and VODENICHAROV, L. Subsoiling as method for control of broomrape on tobacco. (Bu) Bulg. Tyutyun 11:18-24. 1965. 69.8 B872
- 9134 LINDEGAARD, J. Fall tillage—with special reference to weed control. (Da) Landbonyt 20(7):235-237. July 1966. 11 L2322
- 9135 SIMMONDS, F. J., and BENNETT, F. D. Biological control of Opuntia spp. by Cactoblastis cactorum in the Leeward Islands (West Indies). Entomophaga 11(2):183-189. 1966. 421 En835
In field crops.
- 9136 WILKINSON, A. T. S. Releases of cinnabar moth, Hypocrita jacobaeae (L.) (Lepidoptera: Arctiidae) on tansy ragwort in British Columbia. Entomol. Soc. Brit. Columbia. Proc. 62:10-13. 1965. 420 B77
Senecio jacobaeae.

SOILS AND FERTILIZERS

SOIL SCIENCE

- 9137 FIEDLER, H. J., and others. Die Untersuchung der Boden [Soil science]. Dresden, Steinkopff, 1964-65. 2 v. Ref. S593.F5
F. Hoffmann, H. Schmiedel, H. Hohne, and S. Lentschig, joint authors.
- 9133 KARKI, R. M. Soils of North Kanara. In Rao, N. R. ed. Land utilization & agriculture in North Kanara District, p.1-8. 1965. S471.14K3
Includes types, fertility, and management.
- 9139 LAG, J. Spredte trekk fra nyere norsk jordbunnforskning av interesse for geografien [Some features from recent Norwegian research in soil science of interest to the geographer]. Norges Landbrukshøgsk. Jordund-søkelsens Særtrykk 105,91-105 p. Ref. 1965/66. 56.9 N76
English summary.
- 9140 NASH, R. G., and CHENG, T. H. Research and development of food resources in Communist China. 2. BioScience 15(11):703-710. Ref. Nov.1965. 500 Am322A
Research in soil science and animal husbandry.

Soil Physics

- 9141 AKALAN, I. Effect of adding farm manure on the moisture retention capacity of soils. Ankara Univ. Fac. Agr. Yearbook 1964:154-160. Ref. 1965. 25 An42
- 9142 ALI, M. H., CHATTERJEE, R. K., and BISWAS, T. D. Soil moisture tension relationships of some Indian soils. Indian Soc. Soil Sci. J. 14 (1):51-62. Ref. Mar.1966. 56.9 In2
- 9143 BAJAJ, J., and PAPP, B. Temperature measurement in soil tilled at different depth. (Hu) Idojaras 70(3):173-179. Ref. May/June 1966. 340.8 Id5
English summary.
- 9144 BARADAS, M. W., and YNIGUEZ, A. D. Analysis of soil temperature at the U.P. [University of the Philippines] College of Agriculture. Philippine Agr. 49(2):59-74. July 1965. 25 P542
- 9145 BAZIN, E. T. Permeability of peat bog soils. (Rus) Pochvovedenie 8:105-109. Aug.1966. 57.8 P34
English summary.
- 9146 BLUME, H. P., MUNNICH, K. O., and ZIM-MERMANN, U. The retention of water in a deciduous forest loess-para brown earth soil. (Ge) Z. Pflanzenernähr. Dungung. BodenK. 112 (2):156-168, map. Ref. 1966. 384 Z343A
English summary, p. VIII.
- 9147 BOGOMOLOV, U. S. Permeability of frozen soils of Transvolga estuaries. (Rus) Pochvovedenie 9:66-68. Sept.1966. 57.8 P34
English summary.
- 9148 BRIONES, A. A., and VERACION, J. G. Aggregate stability of some Red soils of Luzon. Philippine 49(3):153-167. Ref. Aug.1965. 25 P542
- 9149 CARY, J. W. Soil moisture transport due to thermal gradients: practical aspects. Soil Sci. Soc. Amer. Proc. 30(4):428-433. Ref. July/Aug.1966. 56.9 S03
- 9150 CHU, H. C. Some remarks on the grain form and texture of the Malan Huangto (loess) of the middle Huangho Valley. (Ch) Scientia Geologica Sinica 2:88-102. 1963. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 29:3. Mar.11,1966. (JPRS 34,517; TT 66-30957) 241.65 Un3
- 9151 DAVIDSON, J. M., NIELSEN, D. R., and BIGGAR, J. W. The dependence of soil water uptake and release upon the applied pressure increment. Soil Sci. Soc. Amer. Proc. 30(3):298-304. Ref. May/June 1966. 56.9 S03
- 9152 DE JONG, E. Hydraulic conductivity of clays during shrinkage. Soil Sci. Soc. Amer. Proc. 30(3):289-292. May/June 1966. 56.9 S03
- 9153 FOK, Y. S., and HANSEN, V. E. One-dimensional infiltration into homogeneous soil. Amer. Soc. Civil Eng. J. 92(IR3,proc.pap.4912):35-47. Sept.1966. 290.9 Am3Ps
- 9154 FU, C. P., and CHANG, C. S. Friability and compactness (nonfriability) of the Yellow-Brown soils in the Nanking region. (Ch) Acta Pedologica Sinica 13(3):283-292. 1965. 56.9 Ac8
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 35:9. Mar.31,1966. (JPRS 34,827; TT 66-31266) 241.65 Un3
- 9155 GARDNER, H. R., and HANKS, R. J. Evaluation of the evaporation zone in soil by measurement of heat flux. Soil Sci. Soc. Amer. Proc. 30(4):425-428. July/Aug.1966. 56.9 S03
- 9156 GUITIAN OJEA, F. Construction of an apparatus for taking photographs on soil profiles. (Sp) An. Edafol. Agrobiol. 24(11/12):739-740. Nov./Dec.1965. 506 Sp12
- 9157 GUPTA, R. P. A permeameter cell. Indian Soc. Soil Sci. J. 14(1):37-41. Mar.1966. 56.9 In2
Its use in the determination of hydraulic conductivity.
- 9158 HAFSTEN, U. Asbjornsen's peat auger—model for the Hiller auger and the modern tube auger. (No) Norske Myrselsk. Medd. 64(4):98-105. Aug.1966. 11 N613
- 9159 HARRIS, P. J. An improved simple macrores-pirometer. J. App. Bacteriol. 29(2):399-400. Aug.1966. 448.39 So12
- 9160 HARTGE, K. H. Effect of pore size distribution on yield of lettuce and celery cultivated with various P and K applications. (Ge) Z. Pflanzenernähr. Dungung. BodenK. 112(2):114-121. 1966. 384 Z343A
English summary, p.VI.
- 9161 HEUSER, H. Porenvolumen, Bodenfeuchte und Durchwurzelung eines mit Loess aufgeländeten Bodens unter Berücksichtigung einer verschiedenenartigen Untergrundbehandlung [Pore volume, soil moisture and permeability of a soil silted with loess with attention to various types of subsoil handling]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 31,80 p. 1964. 105.8 B644
Bibliography, p.5-12.
- 9162 HOU, K., and CHANG, S. Studies of the plasticity of soils in China. 9 p. (TT 65-50068) Transl. 15499
Translation from Pochvovedenie 5:17-24. 1956.
CFSTI: \$1.00.
- 9163 ISHEMYAROV, A. SH., and TAICHINOV, S. N. Effect of arable horizon constitution on water-physical properties of rich in humus Chernozems. (Rus) Pochvovedenie 8:96-105. Ref. Aug.1966. 57.8 P34
English summary.
- 9164 KAZO, B. Determination of the water regime properties of soils with an artificial rainfall simulator. (Hu) Agrokem. Talajtan 15(2):239-252. Ref. June 1966. 385 Ag53
English summary.
- 9165 KELLERMAN, V. V., and TSYURUPA, I. G. The role of iron and organic matter in structuration of soil clay components. (Rus) Pochvovedenie 8:88-96. Ref. Aug.1966. 57.8 P34
English summary.
- 9166 KNOLL, K. C., and HAJEK, B. F. A method for visualizing the flow of solutions through porous media. Soil Sci. Soc. Amer. Proc. 30(3):411-412. May/June 1966. 56.9 S03
- 9167 KUZNETSOVA, I. V. Evaluation of the role of different soil components in the formation of water-stable soil structure. (Rus) Pochvovedenie 9:55-65. Ref. Sept.1966. 57.8 P34
English summary.
- 9168 LAW, J. P., BLOODWORTH, M. E., and RUNKLES, J. R. Reactions of surfactants with montmorillonitic soils. Soil Sci. Soc. Amer. Proc. 30(3):327-332. Ref. May/June 1966. 56.9 S03
Effects on physical and structural properties of soils.

- 9169 LEENHEER, L. DE. Study of structure and fertility of soil on mechanized large-scale farms. (Fr) *An. Edafol. Agrobiol.* 24(11/12): 701-723. Nov./Dec.1965. 506 Sp12
- 9170 LUTZ, J. F. and others. Effect of phosphorus on some physical properties of soils. II. Water retention. *Soil Sci. Soc. Amer. Proc.* 30(4): 433-437. Ref. July/Aug.1966. 56.9 So3
R. A. Pinto, R. Garcia-Lagos, and H. G. Hilton, joint authors.
- 9171 MACE, A. C. Accuracy of soil moisture readings with unsealed access tubes. *U. S. Forest Serv. Res. Note RM 61.2 p.* May 1966. A99.9 F7632Us
Measured by neutron-scattering technique in Arizona forests.
- 9172 MCNEAL, B. L., and COLEMAN, N. T. Effect of solution composition on soil hydraulic conductivity. *Soil Sci. Soc. Amer. Proc.* 30(3): 308-312. Ref. May/June 1966. 56.9 So3
- 9173 MCNEAL, B. L., NORVELL, W. A., and COLEMAN, N. T. Effect of solution composition on the swelling of extracted soil clays. *Soil Sci. Soc. Amer. Proc.* 30(3):313-317. Ref. May/June 1966. 56.9 So3
- 9174 MEDVEDEV, V. V. Mathematical analysis of some experimental data on water and physical properties of steppe Ukrainian soils. (Rus) *Pochvovedenie* 8:81-88. Aug.1966. 57.8 P34
English summary.
- 9175 METSERS, A. Soil physical effects of tree planting. *Soil Water* 2(4):27-28. June 1966. 56.8 So323
- 9176 MIL'KOVICH, M. Measurement of soil moisture by the method of experimental desiccation of specimen. (Rus) *Meteorol. Gidrol.* 8:57. Aug.1965. 345 M56
- 9177 MODGAL, S. C. Studies on moisture characteristic curves of soils. *Indian J. Agron.* 10 (4):410-412. Dec.1965. 22 In235
- 9178 NIELSEN, C., and ASLYNG, H. C. Soil compaction. (Da) *Tolvmadsbladet* 38(9):465-469. Sept.1966. 11 T58
- 9179 PAPADOPOULOS, C. S. Correlations in the soil thermic profile. (Rum) *Stint. Solului* 3(3): 244-250. 1965. 56.8 St5
English summary.
- 9180 PEREZ ESCOLAR, R. Stability of soil aggregates treated with distillery slops or blackstrap molasses. *P. R. Univ. J. Agr.* 50(3):174-185. July 1966. 8 P832J
- 9181 RASTORGUEV, L. I., and SPIRIDONOV, E. S. Soil permeability depending on water turbidity. (Rus) *Pochvovedenie* 8:109-111. Aug.1966. 57.8 P34
English summary.
- 9182 RICHARDS, L. A. A soil salinity sensor of improved design. *Soil Sci. Soc. Amer. Proc.* 30(3):333-337. May/June 1966. 56.9 So3
- 9183 RIZZO, A. F. Study on humidity and temperature in La Plata soil profiles; resistimetric techniques (Bouyoucos system). (Sp) *La Plata. Univ. Nac. Fac. Agron. Rev.* 41(1):57-100. Ref. 1966. 9 R32
French summary.
- 9184 RUNGE, E. C. A. A hydraulically powered brush for cleaning soil-coring tubes. *Soil Sci. Soc. Amer. Proc.* 30(3):412. May/June 1966. 56.9 So3
- 9185 SAINI, G. R. Organic matter as a measure of bulk density of soil. *Nature [London]* 210 (5042):1295-1296. June 18,1966. 472 N21
- 9186 SHEBEKO, V. F. Isparenie s potokom i balans pochvennoi vlazgi [Evaporation from bogs and the soil moisture balance]. Minsk, Urozhai, 1965. 394 p.,map. Ref. S594.S47
- 9187 SIMEONOV, D. Capillary rise of water in the basic soil types of southern Bulgaria. (Bu) *Rastenievudni Nauk.* 2(6):89-101. Ref. 1965. 64.8 R18
English summary.
- 9188 SINGH, B. P., and CHATTERJEE, B. N. Studies on the water stable aggregates of Bihar soils. *Indian Soc. Soil Sci. J.* 14(1):25-35. Ref. Mar.1966. 56.9 In2
- 9189 SMART, P. Optical microscopy and soil structure. *Nature [London]* 210(5043):1400. June 25, 1966. 472 N21
- 9190 SUDNITSIN, I. I. Use of thermodynamic characteristics of soil moisture to determine water availability to plants. (Rus) *Meteorol. Gidrol.* 5:35-39. May 1966. 345 M56
- 9191 SZEPESI, MRS. L. A. Computed daily values of water balance and soil moisture. (Hu) *Idojaras* 70(3):149-157. May/June 1966. 340.8 Id5
English summary.
- 9192 TABUCHI, T. Theory of suction drain from the saturated ideal soil: analysis of capillary moisture-distribution curve. *Soil Sci.* 102(3): 161-166. Sept.1966. 56.8 So3
- 9193 WELLING, H. Der Einfluss der Stabilität von Bodenaggregaten auf die Verdunstung [The influence of stability of soil aggregates on evaporation]. Giessen. Justus-Liebig-Universität. Landwirt. Fak. [Diss.] 15,80 p. Ref. p.77-80. 1965. 105.8 G36
- 9194 WIESE, R. A., and WALSH, L. M. Soil sampler's manual. W. S. Univ. Soil Fert. Ser. 4,20 p. 1964. 56.9 W7522
- 9195 WILLATT, S. T. Relation of soil temperature at plough depth to air temperatures. Rhodesia Zambia Malawi J. Agr. Res. 4(1):49-50. Jan. 1966. 24 R3472
- 9196 YAMAZAKI, F., and others. Ridge percolation and ground percolation. 5. Research concerning percolation in paddy fields. 18 p. Transl. 16212
T. Yawata, T. Tabuchi, and T. Ishikawa, joint authors.
Translation from Journal of Agricultural Engineering Society, Japan 29(7):309-314. Feb. 1962.
- 9197 ZALIVADNYI, B. S. Dynamic heat-capacitance transmitter of soil moisture. (Rus) *Meteorol. Gidrol.* 5:52-55. May 1966. 345 M56
- 9198 ZOTTI, H., and BALLARD, T. M. Relation between water-holding capacity and water tension of forest humus samples. (Ge) *Z. Pflanzenernähr. Dungk.* Bodenk. 112(1):1-5. Ref. 1966. 384 Z343A
English summary, p.1

Soil Chemistry and Mineralogy

- 9199 ABABI, V., DUMITRESCU, M., and AFUSOAE, D. Study of Mn, Zn, Cu, Co and Mo distribution in some soils of western Rumania. (Rum) *Stint. Solului* 3(3):251-258. Ref. 1965. 56.8 St5
English summary.
- 9200 ABRISQUETA, C., and others. A modification of the Skinner, Halstead, and Brydson's apparatus, for calcite and dolomite determination in soils. (Sp) *An. Edafol. Agrobiol.* 24(11/12): 693-698. Nov./Dec.1965. 506 Sp12
A. Lax, M. Romero, and J. Gonzalez, joint authors.
English summary.
- 9201 ALEXANDRE, T. Mineralogical study of soils of a volcanic origin of the province of Murcia. (Sp) *An. Edafol. Agrobiol.* 24(9/10):521-548. map. Ref. Sept./Oct.1965. 506 Sp12
English summary.
- 9202 ARAMBARRI, P. DE, and MADRID, L. Relation between the total phosphorus and the labile phosphorus of four characteristic Andalusian soils. (Sp) *An. Edafol. Agrobiol.* 24(11/12): 683-692. map. Nov./Dec.1965. 506 Sp12
English summary.
- 9203 ARINUSHKINA, E. V. Issledovanie drevnopolzolistykh pochv v pole i v laboratorii; v diagnosticheskikh tselyakh [Investigation of soddy-podzolic soils in fields and in the laboratory; diagnostic aim]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1966. 45 p. S593.A7
- 9204 BANERJEE, A. K. Untersuchungen über die Ammonium-Fixierung im Boden und ihre Bedeutung für die Ertragsbildung und Nährstoffaufnahme unter Anwendung von ¹⁵N [Research on ammonium fixation in soils and its importance for yield formation and nutrient uptake with the use of ¹⁵N]. Giessen. Justus-Liebig-Universität. Landwirt. Fak. [Diss.] 3,187 p. 1965. 105.8 G36
Bibliography, p.157-162.

- 9205 BARANOV, V. I., and others. Natural radioactivity of podzolic and soddy-podzolic soils of the Estonian S.S.R. (Rus) Est. Sel'skokhoz. Akad. Sb. Nauch. Tr. 48:182-196. 1966. 106 Es83
N. G. Morozova, K. G. Kunasheva, and G. Grigor'ev, joint authors.
English summary.
Radium, thorium and potassium.
- 9206 BARBIER, G., BILAU, J., and BONIFACE, R. Contribution to the study of the influence of pH on the mobility of soil phosphoric ions. (Fr) Ann. Agron. 16(6):603-623. Ref. 1965. 14 F8499
English summary.
- 9207 BARROWS, H. L., SIMPSON, E. C., and TU, H. Y. Formation of surface coatings on limestone particles in soils. Soil Sci. Soc. Amer. Proc. 30(3):317-320. Ref. May/June 1966. 56,9 So3
- 9209 BHATNAGAR, V. M. Cation-exchange properties of charcoal and soil with special reference to fixation and transference of ammonium ions. II. Rev. Roumaine Chim. 11(5):591-606. May 1966. 385 R3222
- 9209 BLACK, A. L., and WHITNEY, R. S. Phosphorus status of horizons of four benchmark loessial soils of the central Great Plains region. Soil Sci. Soc. Amer. Proc. 30(3):359-362. Ref. May/June 1966. 56,9 So3
- 9210 BLASCO, M. L., and CORNFIELD, A. H. Stimulation of nitrification following temporary acidification of soil. Nature [London] 210 (5041):1187-1188. June 11, 1966. 472 N21
Soils treated with calcium carbonate.
- 9211 BOWER, C. A., and HATCHER, J. T. Simultaneous determination of surface area and cation-exchange capacity. Soil Sci. Soc. Amer. Proc. 30(4):525-527. Ref. July/Aug. 1966. 56,9 So3
- 9212 CHAMINADE, R. Study on desorption, in function of the temperature of the ammonium ion fixed by clays. (Fr) Ann. Agron. 16(6):637-661. 1965. 14 F8499
English summary.
- 9213 CHAUDHRY, I. A., and CORNFIELD, A. H. The determination of total sulphur in soil and plant material. Analyst 91(1035):528-530. Aug. 1966. 382 An1
- 9214 CHENG, H. H., and BRENNER, J. M. Determination and isotope-ratio analysis of different forms of nitrogen in soils. 2. A simplified procedure for isotope-ratio analysis of soil nitrogen. Soil Sci. Soc. Amer. Proc. 30(4):450-453. Ref. July/Aug. 1966. 56,9 So3
- 9215 DAS, D. K., and DAS, S. C. Mineralogy of clays from some Black, Brown and Red soils of Mysore. Indian Soc. Soil Sci. J. 14(1):43-50. Mar. 1966. 56,9 In2
- 9216 DELAS, J. Study of the relation between copper and organic substances in a ferrogineous Podzol soil accidentally enriched in copper content. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2688-2691. June 27, 1966. 505 P21
- 9217 DINCHEV, D., IKONOMOVA, E., and ISTATKOV, S. Research into content and restoration of nitrogen in the soil amino acids. (Bu) Rasteniyevidni Nauk. 2(6):49-52. 1965. 64,8 R18
English summary.
- 9218 DOBRITSKAYA, YU. I. Content of molybdenum in different soil forming rocks. (Rus) Pochvo-vedenie 9:97-102. Ref. Sept. 1966. 57,8 P34
English summary.
- 9219 DOBRZANSKI, B., and others. Quantitative direct spectrographic determination of trace elements in soils. Agrochimica 10(3):259-265. Ref. June 1966. 385 Ag84
J. Glinski, J. Magierski, and M. Malicki, joint authors.
- 9220 DUREAU, P., JUSTE, C., and DUTIL, P. The ammonium fixation in a few acid soils of the Atlantic South-west. (Fr) Ann. Agron. 17(2):189-194. 1966. 14 F8499
English summary.
- 9221 EHRHARDT, C. Zur Charakterisierung synthetischer Mikrostrukturen des Bodens anhand von Dünnschliffen [The characterization of synthetic microstructures of soil with the aid of thin sections]. Giessen. Justus-Liebig-Universität. Fak. [Diss.] 5,77 p. 1965. 105,8 G36
Bibliography, p.73-77.
- 9222 ELEK, E. Examination of manganese supply in the drainage basin of the Lokos brook. (Hu) Agrokem. Talajtan 15(2):277-282, map. Ref. June 1966. 385 Ag83
English summary.
- 9223 FASSBENDER, H. W., LIN, H. C., and ULRICH, B. Solubility and solubility product of hydroxapatite and rock phosphates. (Ge) Z. Pflanzenernähr. Dungung. Bodenk. 112(2):101-113. Ref. 1966. 384 Z343A
English summary, p.V.
- 9224 FORTINI, S., CARDAS, G., and PANELLA, S. Quantitative evaluation of the assimilable and reserve sulfur fractions of soil and their speed of renewal. (It) Agrochimica 10(3):281-300. Ref. June 1966. 385 Ag84
English summary.
- 9225 GANTIMUROV, I. I., and LOGINOV, I. I. Salt balance in drained peat-bog soils of Baraba. (Rus) Pochvovedenie 9:86-91. Ref. Sept. 1966. 57,8 P34
English summary.
- 9226 GAPONENKOV, T. K., and SHATSMAN, L. I. Composition of humic acids and fulvic acids in some soils. (Rus) Agrochimica 7:108-113. Ref. July 1965. 385 Ag89
- 9227 GIGLIOLI, M. E. C., and KING, D. F. The mangrove swamps of Keneba, lower Gambia River basin. III. J. Appl. Ecol. 3(1):1-19. Ref. May 1966. 410 J528
Seasonal variations of chloride and water content in soils.
- 9228 GONZALEZ GARCIA, S., and SANCHEZ CAMAZANO, M. The adsorption of clay minerals with dimethyl-sulfoxide. (Sp) An. Edafol. Agrobiol. 24(9/10):495-520. Ref. Sept./Oct. 1965. 506 Sp12
English summary.
- 9229 GORBUNOV, N. I. Minerals and soil fertility. (Rus) Agrochimica 7:3-14. Ref. July 1965. 385 Ag89
- 9230 GREWAL, J. S., and KANWAR, J. S. Forms of potassium in Punjab soils. Indian Soc. Sci. J. 14(1):63-67. Ref. Mar. 1966. 56,9 In2
- 9231 GUNARY, D. Pyrophosphate in soil; some physico-chemical aspects. Nature [London] 210(5042):1297-1298. June 18, 1966. 472 N21
- 9232 GUPTA, U. C., and MACKAY, D. C. The relationship of soil properties to exchangeable and water-soluble copper and molybdenum status in Podzol soils of eastern Canada. Soil Sci. Soc. Amer. Proc. 30(3):373-375. Ref. May/June 1966. 56,9 So3
- 9233 GURBUCEV, I. Changes of available phosphorus and potassium under crops on various soil types. (Bu) Rasteniyevidni Nauk. 2(4):17-56. Ref. 1965. 64,8 R18
English summary.
In Great Britain.
- 9234 HUSEV, P. H. Humic acids in soils of steppe and foothill zones in the Crimea. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:36-38. June 1965. 20 V82
- 9235 IVANOV, P. Volume and forms of phosphates in Chernozem soil types of northeastern Bulgaria. (Bu) Rasteniyevidni Nauk. 2(6):37-47. Ref. 1965. 64,8 R18
English summary.
- 9236 IVANOV, P. G., IVANOV, P. I., and DIMITROVA, M. The effect of temperature on the extraction of the mobile forms of phosphorus, potassium and nitrogen from the soil by several methods. (Bu) Rasteniyevidni Nauk. 2(2):49-55. 1965. 64,8 R18
English summary.
- 9237 JENKINS, D. A., and DAVIES, R. I. Trace element content of organic accumulations. Nature [London] 210(5042):1296-1297. Ref. June 18, 1966. 472 N21

- 9234 JUSTE, C. Contribution to the study of the dynamics of aluminum in acid soils of the Atlantic Southwest: application to their use. 1. (Fr) *Ann. Agron.* 17(2):157-187, 1966. 14 F8499
- 9233 JUSTE, C. Modifications of electrophoretic mobility and of infrared spectra of humic acid artificially enriched in iron and in aluminum. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(26): 2692-2695, June 27, 1966. 505 P21
- 9210 KAPUSTYANSKIY, A. N., and KHOVANOV, V. G. Determination of nitrates in soil, plants and nutrient solutions by the method of reduction to nitrites. (Rus) *Agrokimiya* 7:131-136, July 1965. 385 Ag89
- 9211 KEEFER, R. F., HIMES, F. L., and MORTENSEN, J. L. Evidence indicating the presence of loosely-bound phenolic groupings in soil organic matter extracts. *Soil Sci. Soc. Amer. Proc.* 30(3):415-416. Ref. May/June 1966. 56.9 So3
- 9212 KHLUSOV, A. M. Designing automatic conveyor for mass soil analysis. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:112-117, July 1966. 20 V633
English summary.
- 9213 KOTTER, C. Investigations on the decomposition of S^{35} -labeled monomethylthiourea in the soil. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz* 72(11/12):684-690, Nov./Dec. 1965. 464.8 Z3
English summary.
- 9214 KRETZSCHMAR, R. Untersuchungen über die Verlagerung von Ammonium-, Nitrat-, Chlorid- und Sulfationen im Boden der Niederterrasse des Rheins bei Bonn und ihr Abwandern in tiefere Bodenschichten [Research on the storage of ammonium, nitrate, chloride, and sulfate ions in the soil of the lower terraces of the Rhine at Bonn and their movement into lower soil layers]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 13,228 p. 1964. 105.8 B644
Bibliography, p.165-179.
- 9215 LAW, J. P., and KUNZE, G. W. Reactions of surfactants with montmorillonite: adsorption mechanisms. *Soil Sci. Soc. Amer. Proc.* 30(3):321-327. Ref. May/June 1966. 56.9 So3
- 9216 LEE, J. A., and WOOLHOUSE, H. W. A reappraisal of the electrometric method for the determination of the concentration of carbon dioxide in soil atmospheres. *New Phytol.* 65(3):325-330. Ref. July 1966. 450 N42
- 9217 LI, P., and CALDWELL, A. C. The oxidation of elemental sulfur in soil. *Soil Sci. Soc. Amer. Proc.* 30(3):370-372. Ref. May/June 1966. 56.9 So3
- 9218 LOGINOV, YU. M. Contribution to the techniques of nitrogen determination by Kieldahl method. (Rus) *Agrokimiya* 7:142-144, July 1965. 385 Ag89
- 9219 MACEDO, J. M. M. B. DE. Note on the measurement and interpretation of soil pH. (Por) *Agron. Angolana* 18:43-49. Ref. 1963,pb. 1965. 24 Ag83
English summary.
- 9250 MARIN MORALES, G., and GOMEZ LOPEZ, J. A. Soil analysis: aspects of soil analysis. IV. Interpretation of analyses. (Sp) *Agr. Trop.* 22(7):368-379. Ref. July 1966. 26 Ag8
- 9251 MARTINEZ, F. M., and PETRE, A. A. DE. Presence of free phenolic compounds in different soil types. (Sp) *An. Edafol. Agrobiol.* 24(11/12):633-642. Ref. Nov./Dec. 1965. 506 Sp12
English summary.
- 9252 MAZANEC, O. Results of the systematic agrochemical sampling of hop soils. (Cz) *Chmelarstvi* 38(4):54-55. Apr. 20, 1966. 70.8 C33
- 9253 METZ, L. J., WELLS, C. G., and SWINDEL, B. F. Sampling soil and foliage in a pine [Pinus taeda L.] plantation. *Soil Sci. Soc. Amer. Proc.* 30(3):397-399. May/June 1966. 56.9 So3
- 9254 MIRCHEV, S. Potassium in soil types of southern Bulgaria. (Bu) *Rastenievudni Nauk.* 2(6):53-68. Ref. 1965. 64.8 R18
English summary.
- 9255 MOGILEVKINA, I. A. Fixed nitrogen content in some soil types of the USSR and their NH_4 fixing ability. (Rus) *Agrokimiya* 7:26-36. July 1965. 385 Ag89
- 9256 MOKADY, R. S., and LOW, P. F. Electrochemical determination of diffusion coefficients in clay-water systems. *Soil Sci. Soc. Amer. Proc.* 30(4):438-442. July/Aug. 1966. 56.9 So3
- 9257 MORRIS, H. D. Effect of fertilizer salts on water-soluble manganese content of Hiwassee soil. *Ca. Agr. Res.* 5(1):11-12. Summer 1966. 100 G295
- 9258 NELSON, D. W., and BRENNER, J. M. An evaluation of Mogilevkina's method of determining fixed ammonium in soils. *Soil Sci. Soc. Amer. Proc.* 30(3):409-411. May/June 1966. 56.9 So3
- 9259 NEMECHEK, I., and POSPISHIL, F. Humus content and composition in reclaimed soils of Czechoslovakia. (Rus) *Pochvovedenie* 8:45-58. Ref. Aug. 1966. 57.8 P34
English summary.
- 9260 NESTOROVA, S. Seasonal dynamics of the soil mobile nitrogen in Bulgaria. (Bu) *Rastenievudni Nauk.* 2(4):63-70. Ref. 1965. 64.8 R18
English summary.
- 9261 NEVO, Z., and HAGIN, J. Changes occurring in soil samples during air-dry storage. *Soil Sci.* 102(3):157-160. Ref. Sept. 1966. 56.8 So3
- 9262 NOMMIK, H. Effects of nitrogen fertilizers on the soil pH-values. (Sw) *Vaxt-Narings-Nytt* 22(3):14-19. 1966. 57.8 V47
English summary, summaries of articles, p.2-3.
- 9263 OJEN, A. Comparison of analytical methods for the evaluation of available copper in soil. (No) *Forsk. Forsk. Landbruket* 17(2):73-78. Ref. 1966. 11 F772
English summary.
- 9264 ORLOV, D. S., and AL'ZUBAIDY, A. Determination of potassium in soils by means of glass electrode. (Rus) *Agrokimiya* 7:137-141. Ref. July 1965. 385 Ag89
- 9265 PALAVEEV, T. Concerning the pH-regulation of the Bulgarian acid soils. (Bu) *Rastenievudni Nauk.* 2(4):71-84. Ref. 1965. 64.8 R18
English summary.
- 9266 PAPENDICK, R. I., and PARR, J. F. Retention of anhydrous ammonia by soil. III. Dispensing apparatus and resulting ammonia distribution. *Soil Sci.* 102(3):193-201. Ref. Sept. 1966. 56.8 So3
- 9267 PAPENDICK, R. I., and GIORDANO, P. M. A technique for continuous monitoring of pH in soil systems. *Soil Sci. Soc. Amer. Proc.* 30(3):413-414. May/June 1966. 56.9 So3
- 9268 PEASLEE, D. E. Determination of Mg with 1-azo-2-hydroxy-3-(2,4-dimethylcarboxanilido)naphthalene-1'-(2-hydroxybenzene). *Soil Sci. Soc. Amer. Proc.* 30(4):443-446. July/Aug. 1966. 56.9 So3
- 9269 PORTER, L. K., and STEWART, B. A. The thermal release of ammonium nitrogen from ammonium chloride-treated and nontreated soils. *Soil Sci. Soc. Amer. Proc.* 30(3):367-370. Ref. May/June 1966. 56.9 So3
- 9270 PUECH, J. Modalities of soil desiccation by silica gel. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 265(8):645-648. Aug. 22, 1966. 505 P21
- 9271 PURVES, D. Contamination of urban garden soils with copper and boron. *Nature [London]* 210(5040):1077-1078. June 4, 1966. 472 N21
- 9272 RAIKOV, L. Natural radioactivity of Bulgarian soils. (Bu) *Rastenievudni Nauk.* 2(6):31-36. 1965. 64.8 R18
English summary.
- 9273 REDIES, M., and VIMpany, I. Determination of total potassium in soils using the gamma emission of potassium-40. *Nature [London]* 210(5040):1078-1079. June 4, 1966. 472 N21
- 9274 RICHARD, M., and GOUNY, P. Control of soil salinity. (Fr) *Ann. Agron.* 16(6):625-635. 1965. 14 F8499
English summary.
Test.

9275. RIDALEVSKAYA, M. D., and TERESHENKOVA, I. A. Comparative study of some methods for determination of mobile forms of nitrogen in soil. (Rus) *Agrokhimiya* 8:124-132. Ref. Aug. 1965. 385 Ag89
9276. ROBERTSON, W. K., THOMPSON, L. G., and HUTTON, C. E. Availability and fractionation of residual phosphorus in soils high in aluminum and iron. *Soil Sci. Soc. Amer. Proc.* 30(4): 446-450. Ref. July/Aug. 1966. 56.9 So3
9277. ROSEVEARE, G. H. Field tests for the common mineral elements. *Ariz. Bur. Mines. Bull.* 175, 43 p. 1966. QE364.R6
9278. SALMON, R. C. Availability of soil nitrogen and phosphate following different cropping treatments after tobacco. *Rhodesia Zambia Malawi J. Agr. Res.* 3(2):81-85. July 1965. 24 R3472
Cropped with perennial ryegrass in Southern Rhodesia.
9279. SAMUELS, G. A survey of the pH status of the soils of Puerto Rico. P. R. (Rio Piedras) *Agr. Exp. Sta. Tech. Pap.* 42, 33 p., map. June 1966. 100 P83T
9280. SANDOVAL, F. M., and BENZ, L. C. Effect of bare fallow, barley, and grass on salinity of a soil over a saline water table. *Soil Sci. Soc. Amer. Proc.* 30(3):392-396. Ref. May/June 1966. 56.9 So3
9281. SANDU, G., RUDZIC, N., and AXENOVA, I. The saline soils of the dammed enclosure Namoloasa—Maxineni. (Rum) *Stint. Solului* 3(3): 276-287, map. Ref. 1965. 56.8 St5
English summary.
9282. SEGALIN, P. Aluminium in soils of the humid tropical zones. 2. (Fr) France. *Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol.* 3(3):179-205. Ref. 1965. 56.9 F84
9283. SHAROVA, A. S. The content of microelements, Cu, Zn, Co and Mn, in certain soils of the Latvian SSR. 16 p. (Tr) 65-50067
Transl. 16145
Translation from *Pochvovedenie* 3:19-31. 1957.
CFSI: \$1.00.
9284. SHICKLUNA, J. C. Computers aid Michigan farmers. *Plant Food Rev.* 12(2):12-13. Summer 1966. 57.8 P694
Soil testing to determine fertilizer needs.
9285. SKOBETS, E. M. Polarographic methods in agrochemical analysis. (Rus) *Khim. Sel'skom Khoz.* 4(4):60-63. Ref. Apr. 1966. 385 K524
9286. SOWDEN, F. J. Nature of the amino acid compounds of soil. I. Isolation and fractionation. *Soil Sci.* 102(3):202-207. Ref. Sept. 1966. 56.8 So3
9287. STAIKOV, TS., and ARABADZHEVA, Z. Concerning the methods of determining salinity of soils. (Bu) *Rastenievudn. Nauk.* 2(6):83-88. Ref. 1965. 64.8 R18
English summary.
9288. SUMNER, M. E., and MARQUES, J. M. Ionic equilibria in a ferrallitic clay: specific adsorption sites for potassium. *Soil Sci.* 102(3):187-192. Ref. Sept. 1966. 56.8 So3
9289. TAMAKI, T., and UMEDA, Y. Nitrogen and phosphorus absorption of Ryukyu pineapple field soils. *Advancing Frontiers Plant Sci.* 15:171-179. 1966. 452.4 V81
9290. THOMPSON, M. R. Lime reactivity of Illinois soils. *Amer. Soc. Civil Eng. J.* 92(SM5, proc. pap. 4907):67-92. Ref. p. 90-92. Sept. 1966. 290.9 Am3Ps
9291. TSCHAEPEK, M., SANTAMARIA, R., and CARLSON, R. M. Junction potentials and pH determinations in heterogeneous systems. *Agrochimica* 10(3):230-243. Ref. June 1966. 385 Ag84
9292. VAKULIN, A. A., and SHYLLINA, A. V. Dependence of main nutrient element contents in sands and sandy soils of the lower Volga area upon mineral composition of their clay fractions. (Rus) *Pochvovedenie* 8:65-69. Ref. Aug. 1966. 57.8 P34
English summary.
9293. VELASCO, F., and ALONSO, J. J. Contribution to the mineralogical study of the sand fraction in the soils of the Cantabric mountains. (Sp) *An. Edafol. Agrobiol.* 24(11/12):643-656. Nov./Dec. 1965. 506 Sp12
English summary.
9294. WALTER, B. Chemical and mineralogical investigation of three trench ploughed vine cultivated soils, typical of the Mosel Valley. (Ge) *Z. Pflanzenernahr. Dungung. Bodenkn.* 112(1):6-17. Ref. 1966. 384 Z343A
English summary, p. 1.
9295. WEBB, J. S., THORNTON, I., and FLETCHER, K. Seleniferous soils in parts of England and Wales. *Nature [London]* 211(5046):327. July 16, 1966. 472 N21
9296. WELLS, C. G., and DAVEY, C. B. Cation-exchange characteristics of forest floor materials. *Soil Sci. Soc. Amer. Proc.* 30(3):399-402. Ref. May/June 1966. 56.9 So3
9297. WILLIAMS, T. R., and others. Determination of magnesium in soil extracts by atomic absorption spectroscopy and chemical methods. *J. Sci. Food Agr.* 17(8):344-348. Ref. Aug. 1966. 382 So12
B. Wilkinson, G. A. Wadsworth, D. H. Barter, and W. J. Beer, joint authors.
9298. YOUNGBERG, C. T. Forest floors in Douglas-fir forests. I. Dry weight and chemical properties. *Soil Sci. Soc. Amer. Proc.* 30(3):406-409. Ref. May/June 1966. 56.9 So3

Soil Biology

9299. AMPOVA, G., and STEFANOV, D. Effect of some nematocides on microflora of tobacco soils. (Bu) *Bulg. Tyutyun* 9/10:19-23. 1965. 69.8 B872
9300. ARISTARKHOVA, V. I. The formation of amino acids during decomposition of linen in soil. (Rus) *Akad. Nauk SSSR. Izv. Ser. Biol.* 1:121-128. Ref. Jan./Feb. 1966. 511 Sa2B
English summary.
Cellulose decomposition by microorganisms.
9301. ARSJAD, S., and GIDDENS, J. Effect of added plant tissue on decomposition of soil organic matter under different wetting and drying cycles. *Soil Sci. Soc. Amer. Proc.* 30(4):457-460. Ref. July/Aug. 1966. 56.9 So3
9302. ASEVA, I. V., VINOGRADOVA, K. A., and ORLOVA, G. G. Amino acid biosynthesis by Actinomycetes isolated from the soils of Pamir. (Rus) *Mikrobiologiya* 34(1):24-31. Jan./Feb. 1965. 448.3 M582
English summary.
9303. BABAK, N. M. Azotobacter chroococcum and Azotobacter galophilum in salty soils of floodlands of the Prut River. (Rus) *Mikrobiologiya* 34(4):695-701. Ref. July/Aug. 1965. 448.3 M582
English summary.
9304. BABAK, N. M. Effect of salts on Azotobacter chroococcum and Azotobacter galophilum. (Rus) *Mikrobiologiya* 35(1):162-167. Ref. Jan./Feb. 1966. 448.3 M582
English summary.
In soils.
9305. BABIEVA, I. P., and BELYANIN, A. I. Yeasts in rhizosphere. (Rus) *Mikrobiologiya* 35(4): 712-720. Ref. July/Aug. 1966. 448.3 M582
English summary.
9306. BASARABA, J. Effects of vegetable tannins on glucose oxidation by various microorganisms. *Can. J. Microbiol.* 12(4):787-794. Ref. Aug. 1966. 448.3 C162
Chiefly from soil.
9307. BOSNJAK, D., and ZIVKO, I. A contribution to the study of residual effects of leguminous crops and other crops. (Se) *Agron. Glas.* 16 (4/5):313-320. Ref. May 1966. 21.5 Ag84
English summary.
Includes nitrogen fixation.
9308. CASELEY, J. C., and ENO, C. F. Survival and reproduction of two species of earthworm and a rotifer following herbicide treatments. *Soil Sci. Soc. Amer. Proc.* 30(3):346-350. May/June 1966. 56.9 So3

- 9309 DOXTADER, K. G., and ALEXANDER, M. Nitrification by growing and replacement cultures of *Aspergillus*. Can. J. Microbiol. 12(4):807-815. Ref. Aug. 1966. 448.8 C162
Aspergillus flavus.
- 9310 DOXTADER, K. G., and ALEXANDER, M. Nitrification by heterotrophic soil microorganisms. Soil Sci. Soc. Amer. Proc. 30(3):351-355. Ref. May/June 1966. 56.9 So3
- 9311 DROZANSKA, D. Studies on Rhizobium trifolii antigens. II. Acta Microbiol. Polon. 14(3/4): 275-279. 1965. 448.3 Ac82
- 9312 ERSHOV, V. V. Effect of mineral fertilizers on the microbiological processes in meadow Karelian soils. (Rus) Mikrobiologiya 35(1): 168-173. Ref. Jan./Feb. 1966. 448.3 M582
English summary.
- 9313 FEDOROV'S'KA, O. O., and LEONT'YEVA, K. P. Antagonistic properties of soil bacteria. (Uk) Mikrobiol. Zhur. 27(2):42-45. 1965. 448.3 K54
English summary.
- 9314 FIELDS, M. L., and HEMPHILL, D. D. Effect of Zytron and its degradation products on soil microorganisms. Appl. Microbiol. 14(5):724-731. Sept. 1966. 448.3 Ap5
- 9315 GOBL, F. Observations on a root cutting of young *Pinus cembra*. (Ge) Centrallb. Gesamte Forstwesen 83(2):104-108. June 1966. 59.8 C33
English summary.
Effect on mycorrhiza development.
- 9316 GRUIA, L. Researches on the algae of some Rumanian soils. (Rum) Stiint. Soluhul 3(3): 268-275. 1965. 56.8 S15
English summary.
- 9317 GYLLENBERG, H. G., and RAURAMAA, V. Density, activity, and composition of the bacterial soil flora with special reference to the employed technique of crop husbandry. Acta Agr. Scand. 16(1):39-46. 1966. 11 Ac82
- 9318 GYLLENBERG, H. G., and RAURAMAA, V. Taxometric models of bacterial soil populations. Acta Agr. Scand. 16(1):30-38. Ref. 1966. 11 Ac82
- 9319 HALDAR, D. P. A simple medium for the culture of soil protozoa. Calcutta. Zool. Soc. Proc. 18(1):21-23. Apr. 1965. 410.9 Z73
- 9320 HARDY, R. W. F., and KNIGHT, E. Reductant-dependent adenosine triphosphatase of nitrogen-fixing extracts of *Azotobacter vinelandii*. Biochim. Biophys. Acta 122(3):520-531. Ref. Sept. 12, 1966. 381 B522
- 9321 HASTINGS, A. Legume inoculation: what it is and what it does. Massey Univ. Manawatu. Sheepfarming Annu. 1965:49-55. 45.9 M38S
- 9322 IGNATOV, I. The dynamics of the nitrogen mobile forms under winter wheat on leached Chestnut forest soils. (Bu) Rastenievudni Nauk. 2(4):57-61. 1965. 64.8 R18
English summary.
In relation to nitrification and ammonification.
- 9323 IL'INA, T. K. Effect of Mo on nitrogen fixation by mycobacteria. (Rus) Mikrobiologiya 35(1): 155-161. Ref. Jan./Feb. 1966. 448.3 M582
English summary.
In soils.
- 9324 JANSSON, S. L. Which ways does the fertilizing nitrogen take? (Sw) Vaxt-Narings-Nytt 22(3): 1-9. 1966. 57.8 V47
English summary, summaries of articles, p. 1.
Biological pathway.
- 9325 KAKDE, J. R. Hastening decomposition of incorporated green manure. Indian J. Agron. 10 (4):443-446. Ref. Dec. 1965. 22 In235
Review of the literature.
- 9326 KHMEL', I. A., GABINSKAYA, K. N., and IERUSALIMSKII, N. D. Growth and nitrogen fixation by *Azobacter vinelandii* under different aeration conditions. (Rus) Mikrobiologiya 34 (4):689-694. Ref. July/Aug. 1965. 448.3 M582
English summary.
- 9327 KOZLOVA, E. I., BADUMYAN, L. S., and VENILO, M. V. Some properties of bacteria from nodules of Hippophae rhamnoides L. (Rus) Mikrobiologiya 35(4):699-706. July/Aug. 1966. 448.3 M582
English summary.
- 9328 KRUSTANOV, S., and SUN, K. Y. Investigation into the biological decomposition of various organic materials introduced in the soil and the changes in the organic matter connected with it. (Bu) Rastenievudni Nauk. 2(4):85-97. Ref. 1965. 64.8 R18
English summary.
- 9329 KYRYLENKO, T. S. Fungi of the genus *Aspergillus* in barley and oat rhizosphere in the Polesye districts of the Ukrainian SSR. (Uk) Mikrobiol. Zhur. 27(4):22-27. Ref. 1965. 448.3 K54
English summary.
- 9330 KYRYLENKO, T. S. Species of the genus *Fusarium* in barley and oat rhizosphere in districts of the Polesye of the Ukrainian SSR. (Uk) Mikrobiol. Zhur. 27(2):23-29. Ref. 1965. 448.3 K54
English summary.
- 9331 LORKIEWICZ, Z., ZELAZNA, I., and PRZYBO-JEWSKA, B. Alkaline phosphatase activity of *Rhizobium trifolii* mutants. Acta Microbiol. Polon. 14(3/4):225-229. 1965. 448.3 Ac82
- 9332 MCCALLA, T. M. Soil microorganisms. (Sp) SMCAL (Soc. Coop. Rural Argent. Ltda.) 11 (129):333, 336, 338. Sept. 1965. 9 So17
- 9333 MCFFEE, W. W., and STONE, E. L. The persistence of decaying wood in the humic layers of Northern forests. Soil Sci. Soc. Amer. Proc. 30(4):513-516. Ref. July/Aug. 1966. 56.9 So3
Yellow birch and red spruce stands in the Adirondack Region of New York.
- 9334 MIRCHINK, T. G., and BELAYA, T. I. Mycoflora of Guinea tropical soils and its biological properties. (Rus) Mikrobiologiya 34(6):1049-1055. Nov./Dec. 1965. 448.3 M582
English summary.
- 9335 MISHUSTIN, E. N., and others. Role of aerobiosis in formation of humic compounds. (Rus) Mikrobiologiya 34(3):497-501. Ref. May/June 1965. 448.3 M582
I. S. Vostrov, D. I. Nikitin and N. S. Erofeev, joint authors.
English summary.
Decomposition of plant residues.
- 9336 MUTATKAR, V. K., and PRITCHETT, W. L. Influence of added aluminum on carbon dioxide production in tropical soils. Soil Sci. Soc. Amer. Proc. 30(3):343-346. Ref. May/June 1966. 56.9 So3
- 9337 NIKITIN, D. I., and STEFANOV, S. B. Electron-microscopic study of soil suspensions. 5 p. (TT 64-15322) Transl. 15376
Study of microorganisms.
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 2:283-286. 1963.
Issued by CFSTI.
- 9338 NOVIKOVA, A. T., and IRTUGANOVA, L. D. Heteroauxin production by soil microorganisms. (Rus) Mikrobiologiya 35(4):707-711. Ref. July/Aug. 1966. 448.3 M582
English summary.
Bacteria.
- 9339 PAVLENKO, V. F. The content of moulds in peat soil and brown coal. (Rus) Mikrobiologiya 34(2):318-323. Mar./Apr. 1965. 448.3 M582
English summary.
- 9340 PAVLOVICH, S. A. Antagonistic properties of Actinomycetes from soil samples of Carpathian Plain regions. (Rus) Antibiologii 10(5):414-419. Ref. May 1965. 396.8 An84
English summary.
- 9341 PETERSON, N. V. Modification of the method of determining dehydrogenase activity in the soil. (Uk) Mikrobiol. Zhur. 27(4):16-22. Ref. 1965. 448.3 K54
English summary.
- 9342 POLOTN'YAK, A. D. Effect of inoculation material on the activity of reproduction of *Azotobacter* during deep cultivation. (Uk) Mikrobiol. Zhur. 27(1):37-41. 1965. 448.3 K54
English summary.
- 9343 RANKOV, V. The effect of soil salinity on the relationship of *Azotobacter* with the other soil microorganisms. (Bu) Rastenievudni Nauk. 2(5):107-114. Ref. 1965. 64.8 R18
English summary.

- 9344 REICHMAN, G. A., GRUNES, D. L., and VIETS, F. G. Effect of soil moisture on ammonification and nitrification in two Northern Plains soils. *Soil Sci. Soc. Amer. Proc.* 30 (3):363-366. Ref. May/June 1966. 56.9 So3
- 9345 SANKIDZE, G. S. The effect of fertilizers on the rhizosphere microflora of bay-laurel plants. (Rus) *Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult.* 4:105-114. Ref. 1965. 68.19 M28
English summary.
Laurus nobilis.
- 9346 SCHOLZ-KONIG, E. The microbiological characterisation of four soil profiles on the basis of population density. (Ge) *Z. Pflanzenernahr. Dungung. Boden.* 112(2):122-132. 1966. 384 Z343A
English summary, p.VI.
- 9347 STANIEWSKI, R., and KOWALSKI, M. Effect of lysogenization on variability of phage type in *Rhizobium meliloti*. *Acta Microbiol. Polon.* 14(3/4):231-236. 1965. 448.3 Ac62
- 9348 STEFANIC, G., and JARNEA, S. Root microflora of wheat, pea and maize, as affected by fertilizing and liming. (Rum) *Stint. Solului* 3 (3):259-267. Ref. 1965. 56.8 St5
English summary.
- 9349 STEFANOV, S. B., and NIKITIN, D. I. Submicroscopic bodies in soil suspensions. (Rus) *Mikrobiologiya* 34(2):313-317. Mar./Apr. 1965. 448.3 M582
English summary.
- 9350 STEWART, B. A., PORTER, L. K., and VIETS, F. G. Effect of sulfur content of straws on rates of decomposition and plant growth. *Soil Sci. Soc. Amer. Proc.* 30(3):355-358. May/June 1966. 56.9 So3
Wheat as test plant.
- 9351 STEWART, B. A., PORTER, L. K., and VIETS, F. G. Sulfur requirements for decomposition of cellulose and glucose in soil. *Soil Sci. Soc. Amer. Proc.* 30(4):453-456. July/Aug. 1966. 56.9 So3
- 9352 STOTZKY, G., and GOOS, R. D. Adaptation of the soil microbiota to high CO₂ and low O₂ tensions. *Can. J. Microbiol.* 12(4):849-861. Aug. 1966. 448.8 C162
- 9353 SUPRUN, T. P. On storage of microscopic moulds in sterile soil. (Rus) *Mikrobiologiya* 34(3):538-545. Ref. May/June 1965. 448.3 M582
English summary.
- 9354 TCHAN, Y. T., and JACKSON, D. L. Studies of nitrogen fixing bacteria. IX. Study of inoculation of wheat with *Azotobacter* in laboratory and field experiments. *Linn. Soc. New S. Wales, Proc.* 90(3):290-298. Ref. 1965. 514 Sy2
- 9355 TRET'YAKOVA, A. N. A comparative study of nitrogen fixing blue-green algae isolated from various soils of the USSR. (Rus) *Mikrobiologiya* 34(3):491-496. Ref. May/June 1965. 448.3 M582
English summary.
- 9356 TRET'YAKOVA, A. N. Effect of light on growth and nitrogen fixation by soil blue-green algae. (Rus) *Mikrobiologiya* 35(4):721-725. Ref. July/Aug. 1966. 448.3 M582
English summary.
- 9357 UGOLINI, F. C., and STARKEY, R. L. Soils and micro-organisms from Mount Erebus, Antarctica. *Nature [London]* 211(5047):440-441. July 23, 1966. 472 N21
- 9359 ULEHLOVA, B. How are various sources of nitrogen utilized in the decomposition of cellulose in different types of soils. Preliminary report. (Ge) *Preslia* 38(3):308-311. 1966. 450 P92
- 9359 VAVULO, F. P., and KARBAHOVYCH, A. I. Distribution of sporogenous forms of bacteria in different types of soil. (Rus) *Mikrobiologiya* 34(1):114-120. Jan./Feb. 1965. 448.3 M582
English summary.
- 9360 VELICHKO, E. B., and VORONTSOV, L. A. Catalase activity of a soil under rice. (Rus) *Pochvovedenie* 8:58-61. Ref. Aug. 1966. 57.8 P34
English summary.
- 9361 VLADYMYROVA, O. V. Hydrolytic enzymes of Actinomycetes and their role in decomposition of organic matter in the soil. (Uk) *Mikrobiol. Zhur.* 27(3):81-84. Ref. 1965. 448.3 K54
- 9362 ZAITSEVA, G. N., and VEDEENNA, I. YA. Electrophoretic study on cytoplasmic proteins of *Azotobacter vinelandii* in synchronous culture. (Rus) *Mikrobiologiya* 34(6):945-951. Ref. Nov./Dec. 1965. 448.3 M582
English summary.
- 9363 ZHDANOVA, N. M. Relation of some soil Hyphomycetes from the group Dematiaceae to concentrations of potassium salt-peter in a nutrient medium. (Uk) *Mikrobiol. Zhur.* 26 (6):31-37. Ref. 1964. 448.3 K54
English summary.
- 9364 ZINOV'Yeva, KH. H. On *Azotobacter* of soddy-podzolic soils of the Polesye of the Ukrainian SSR. (Uk) *Mikrobiol. Zhur.* 26(6):3-9. Ref. 1964. 448.3 K54
English summary.
- 9365 ZVERKOV, YU. V. Microbiological characteristics of reclaimed peat quarry soils. (Rus) *Pochvovedenie* 8:39-45. Ref. Aug. 1966. 57.8 P34
English summary.

Soil-Plant-Animal Relationships

- 9366 GISIGER, L. On the fluorine content of soils and its uptake by plants and animals. (Ge) *Schweiz. Landwirt. Monatsh.* 44(6):221-230. map. Ref. June 1966. 17 Sch93
- 9367 JOHNSON, J. E., WISLOS, D. W., and LIND-SAY, W. L. Transfer of fallout cesium-137 from soil to dairy cattle feeds. *Soil Sci. Soc. Amer. Proc.* 30(3):416-417. May/June 1966. 56.9 So3

Soil Genesis, Formation, Classification, and Mapping

- 9369 AARTOLAHTI, T. Oberflächenformen von Hochmooren und ihre Entwicklung in Südwest-Hame und Nord-Satakunta [Surface areas of highmoors and their development in Southwest-Hame and North-Satakunta]. *Fennia* 93(1), 268 p., map. Ref. 1965. 511 H367
- 9369 AGABABYAN, V. G., and AKHUMYAN, M. S. Soda genesis in salinized soils of Ararat Valley. (Rus) *Pochvovedenie* 9:69-79. Ref. Sept. 1966. 57.8 P34
English summary.
- 9370 AMSON, F. W. VAN. Some aspects of clay soils in the Demerara formation of Surinam. *Surinam. Landbouwproefsta. Bull.* 84, 53 p. Ref. Mar. 1966. 9.6 D95
- 9371 AUBERT, G. Soil classification. (Fr) *France. Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol.* 3(3):269-288. 1965. 56.9 F84
- 9372 BABAYAN, G. B. Change of agrochemical soil properties as connected with vertical zonation. (Rus) *Agrokimiya* 7:114-118. July 1965. 385 Ag89
- 9373 BEAVERS, A. H., and JONES, R. L. Weathering in a Sangamon paleosol, Ohio. *J. Sci.* 66 (3):267-273. Ref. May 1966. 410 Oh3
In Illionis.
- 9374 BETLAMY, D. J. Peat and its importance. *Discovery* 27(6):12-16. June 1966. 472 D63
Chiefly soil genesis.
- 9375 BERRIOS, A. T. Instructions for evaluating soils in Puerto Rico. (Sp) *Puerto Rico, Univ. Ext. Folleto A-44*, 14 p. Sept. 1965. 275.29 P6A
- 9376 BRULNS, M. F. M., and SALVERDA, Z. Survey of marshes and wetlands in the Netherlands. *Beaufortia* 13(153):47-80. Oct. 8, 1965. 410 B38
- 9377 CARPENTER, T. G., and FOX, W. R. Soil profile measurement. *Miss. Agr. Exp. Sta. Inform. Sheet* 930, 2 p. Apr. 1966. 100 M69in

- 9378 CHITTENDEN, E. T. Soils and agriculture of Waimea County, New Zealand. New Zeal. Dep. Sci. Indus. Res. Soil. Bur. Bull. 30, 66 p., map. Ref. 1966. 56.9 N483
- 9379 COMEL, A. Configurazione morenica del sottosuolo di Piazzale Osoppo in Udine [Morainic configuration of the subsoil of Piazzale Osoppo in Udine]. Udine, Sta. Chim.-Agr. Sper. Pubbl. 74,4 p. 1965. 385 Ud5
- 9380 COMEL, A. Contributi allo studio dei terreni ricchi di sostanza organica del Friuli. IV. Terre nere e terre brune [Contributions to the study of soils of Friuli rich in organic substances. IV. Black earths and Brown earths]. Udine, Sta. Chim.-Agr. Sper. Pubbl. 78,12 p. 1965. 385 Ud5
- 9381 COMEL, A. I terreni agrari dell'Alta Pianura Veneta compresi nei fogli "Bassano del Grappa" e "Schio"; studio geoaeronomico [The agricultural soils of the Veneto Plateau included in the "Bassano del Grappa" and "Schio" leaves; geoaeronomic study]. Udine, Sta. Chim.-Agr. Sper. Pubbl. 73,105 p., map. 1965. 385 Ud5
- 9382 COMEL, A. I terreni derivati dai substrati werfeniani delle Alpi Carniche [Soils derived from Werfenian substrates of the Carnian Alps]. Udine, Sta. Chim.-Agr. Sper. Pubbl. 76,21 p. 1965. 385 Ud5
- 9383 DANIELS, R. B., and others. Morphology of soils with fragipans in parts of Wilson County, North Carolina. Soil Sci. Soc. Amer. Proc. 30 (3):376-380, map. Ref. May/June 1966. 56.9 So3
W. D. Nettleton, R. J. McCracken, and E. E. Gamble, joint authors.
- 9384 DELHUMEAU, M. Pedological notes on Gabon. 4. Yellow iron soils developed on a granite gneiss base. (Fr) France, Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol. 3(3):207-221, map. 1965. 56.9 F84
- 9385 FLOREA, N. The soil genetic type and its subdivision. (Rum) Stiint. Solului 3(3):295-301. Ref. 1965. 56.8 St5
- 9386 GAEL', A. G., and GUMILEV, L. N. Soils of different age in the Don steppe sands and population migration during the historic period. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:11-20, map. Ref. Jan./Feb. 1966. 331.9 Ak12
- 9387 GANKRELIDZE, L. V. Brown Mountain-Forest soils of Georgian subtropics. (Rus) Makhbaradze, Vses. Nauch.-Issled. Inst. Chuv. Subtrop. Kul't. Subtrop. Kul't. 2:153-156. 1965. 68.19 M28
English summary
- 9388 GHOSE, B., PANDEY, S., and SINGH, S. Studies in photogrammetry: Geomorphic studies of Sojat from aerial photographs to delineate land forms. Indian Soc. Soil Sci. J. 14(1):9-12, map. Mar. 1966. 56.9 In2
Includes soil genesis.
- 9389 GLAZOVSKAYA, M. A. Principles of world soil classification. (Rus) Pochvovedenie 8:1-22. Ref. Aug. 1966. 57.8 P34
- 9390 GRAY, F. Morphology and genesis of soils of the Reddish Prairie Zone. Okla. Agr. Exp. Sta. Process. Ser. P-546, 55 p., map. Ref. Aug. 1966. 100 Ok4M
U. S. Department of Agriculture, cooperating. Includes comparisons with Brunizem soils. Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 9391 GREAT BRITAIN. SOIL SURVEY RESEARCH BOARD. Soil survey of Great Britain. Great Brit. Soil Surv. Res. Board. Rep. 18, 48 p., map. 1965. 56.9 G792
- 9392 GRIGOR'EV, G. I., and SHERSHUKOVA, G. A. Preparing agrochemical charts for subzone of soddy podzolic soils. (Rus) Agrokimiya 5: 134-148, map. May 1965. 385 Ag89
- 9393 HERVIEU, J., and NALOVIC, L. Amount of cobalt, nickel, copper and zinc and their distribution in some soil types in Madagascar. (Fr) France, Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol. 3(3):237-267. Ref. 1965. 56.9 F84
- 9394 IGNATENKO, N. V. Soils of the island Vaigach. (Rus) Pochvovedenie 9:12-20. Ref. Sept. 1966. 57.8 P34
- 9395 JANKOVITS, T. Utilization of data of structural examination in planning for soil protection. (Hu) Agrokem. Talajtan 15(2):229-238, map. June 1966. 385 Ag83
English summary.
- 9396 KASTANIS, D. Bodenbildende Bedingungen und Verbreitung der Hauptbodentypen in Griechenland [Soil formation conditions and distribution of the chief soil types in Greece]. Giessen, Justus-Liebig-Untiv. Landwirt. Fak. [Diss.] 6, 155 p. 1965. 105.8 G36
Bibliography, p. 134-155.
- 9397 KOVDA, V. A., and SAMOILOVA, E. M. Possibilities for new interpretation of the history of the soil genesis of the Russian Plain. (Rus) Pochvovedenie 9:1-12, map. Ref. Sept. 1966. 57.8 P34
Includes classification.
- 9398 KURMANGALIEV, A. B. Gypsum in Sierozem soils on the food plain of southwestern slopes of the northern Kara-Tau. (Rus) Pochvovedenie 9:34-42. Sept. 1966. 57.8 P34
Genesis.
- 9399 LANGMAID, K. K., and others. Descriptions of sandy soils in cleared areas of coastal Kent and southern Northumberland counties, N. B. Can. Dep. Agr. Res. Br. New Brunswick Soil Surv. 6, 35 p., map. 1964. 56.9 C163R
J. K. MacMillan, J. G. Losier, and J. F. G. Millette, joint authors.
- 9400 LEAMY, M. L. Soil survey manual for Malay-conditions. Malaya, Min. Agr. Co-op. Div. Bull. 119, 226 p. Ref. 1966. 22.5 F31
- 9401 LI, T. J., and CHU, P. F. Preliminary investigation into the geographic division into zones of forest soils in Szechwan Province. (Ch) Acta Pedologica Sinica 13(3):262-273. 1965. 56.9 Ac8
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 35:8. Mar. 31, 1966. (JPRS 34,827; TT 66-31266) 241.65 Un3
Issued by CFSTI.
- 9402 MIKE, ZS. The use of aerial photographs in assessment of soil erosion and in soil conservation plans. (Hu) Agrokem. Talajtan 15(2):353-362, map. Ref. June 1966. 385 Ag83
English summary.
- 9403 NAKAMURA, M. T., and SHERMAN, G. D. The genesis of halloysite and gibbsite from mugearite on the Island of Maui. Hawaii. Agr. Exp. Sta. Tech. Bull. 62, 36 p. Ref. Dec. 1965. 100 H313T
- 9404 NAMBIAR, E. P., NAIR, T. J., and SUBRAMONEY, N. Studies on the Kattampally swamp soils. Indian Soc. Soil Sci. J. 14(1):13-17. Mar. 1966. 56.9 In2
- 9405 NATIONAL TECHNICAL WORK-PLANNING CONFERENCE OF THE COOPERATIVE SOIL SURVEY, CHICAGO, 1965. Proceedings. Washington, U. S. Soil Conserv. Serv., 1965. 128 p. as590.N3
Committee reports and abstracts of talks. Includes soil classification.
- 9406 NINOV, N. Concerning the group of Chestnut soils in Bulgaria. (Bu) Rastenievudni Nauk. 2 (3):115-122. Ref. 1965. 64.8 R18
English summary.
- 9407 OBREJANU, G., and SANDU, G. Salinity and alkalinity process of the soils of Danube flood plains. (Rum) Probl. Agr. [Bucharest] 17(5):14-27, map. Ref. May 1966. 21 R862
English summary.
- 9408 PETTIET, J. V. Soil test information from a recent survey of ten Mississippi Delta counties. Miss. Agr. Exp. Sta. Inform. Sheet 907, 2 p. Nov. 1965. 100 M69In
- 9409 POTTER, J. S. Soil resources and their best use. Water Res. Found. Australia. Rep. 21:41-46. 1965. 292.9 W296R
Soil types and properties.
- 9410 ROHDENBURG, H. Untersuchungen zur pleistozänen Formung am Beispiel der Westabdachung des Göttinger Waldes [Investigations on the pleistocene formation with the western slope of the Göttingen Forest as example]. Giesener geogr. Schr. 7, 76 p., map. 1965. 278.8 G36
English summary.
Bibliography, p. 71-76.

- 9411 ROSS, G. J., and MORTLAND, M. M. A soil beidellite. *Soil Sci. Soc. Amer. Proc.* 30(3): 337-343. Ref. May/June 1966. 56.9 So3
A study of the structure, chemical composition, and reactions of the clay fraction from the A2 horizon of a northern Michigan Podzol.
- 9412 RYAN, P. Soil survey: an important national inventory. *Farm Res. News* 6(2):42-45, map. Mar./Apr. 1965. 10.5 F223
Ireland.
- 9413 SAPOZHNIKOV, N. A., and others. Ispol'zovanie pochvennykh kart i agrokhimicheskikh kartogrammi pri razrabotke sistem ydobreniya [Use of soil maps and agrochemical cartograms in working out fertilization system]. *Leninograd, Kolos*, 1965. 157 p., map. S639.18
N. L. Blagovidov, M. F. Kornilov, and N. N. Ryumin, joint authors.
- 9414 SINGH, S., and SINGH, B. Trace element studies on some alkali and adjoining soils of Uttar Pradesh. I. Profile distribution of molybdenum. *Indian Soc. Soil Sci. J.* 14(1):19-23. Ref. Mar. 1966. 56.9 In2
- 9415 SMALLEY, I. J. The properties of glacial loess and the formation of loess deposits. *J. Sediment. Petrol.* 36(3):669-676. Ref. Sept. 1966. 398.8 J82
- 9416 SMIRNOV, R. N., and KONOVALOV, N. N. The use of aerial photography in soil-reclamation research of the Don-River flood plain and delta. (Rus) *Pochvovedenie* 8:23-26. Aug. 1966. 57.8 P34
English summary.
- 9417 STICHTING VOOR BODEMKARTERING. Jaarverslag [Annual report of Soil Survey Institute], 1966. Wageningen, 1966. 51 p. 56.9 S85
- 9418 STREBEL, O. Relations between soil genesis, use and properties of the pore system of loess soils near Sarstedt. (Ge) *Z. Pflanzenernahr. Dungung. Bodenk* 112(1):30-38. 1966. 384 Z343A
English summary, p.III.
- 9419 SZUCS, L. The role of genetic soil maps in soil conservation planning. (Hu) *Agrokem. Talajtan* 15(2):253-262, map. June 1966. 385 Ag83
English summary.
- 9420 TEDROW, J. C. F. Polar desert soils. *Soil Sci. Soc. Amer. Proc.* 30(3):381-387. Ref. May/June 1966. 56.9 So3
- 9421 TSOU, K. C. The geographic distribution pattern of soils on the Yunnan-Kweichow Plateau. (Ch) *Acta Pedologica Sinica* 13(3):253-261. 1965. 56.9 Ac8
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 35:6. Mar. 31, 1966. UPRS 34,827; TT 66-31266) 241.65 Un3
- 9422 TYURIN, I. V. Voprosy genezisa i plodorodiya pochv [Problems of genesis and soil fertility]. *Moskva, Nauka*, 1966. 287 p. Ref. S591.T5
English summary.
- 9423 VANDERFORD, H. B., and SHAFFER, M. E. Comparison of fragipan and baffle profiles of the Gulf Coastal Plain with soils of Southern Loess Belt. *Soil Sci. Soc. Amer. Proc.* 30(4): 494-498. Ref. July/Aug. 1966. 56.9 So3
- 9424 WILSON, M. J. Weathered biotite from Strathdon, Aberdeenshire. *Nature [London]* 210 (5041):1188-1189. June 11, 1966. 472 N21
- 9425 YAAALON, D. H. Chart for the quantitative estimation of mottling and of nodules in soil profiles. *Soil Sci.* 102(3):212-213. Sept. 1966. 56.8 So3
- 9426 YARILOVA, E. A. The alteration of the minerals of syenite in the initial stages of soil formation. 45 p. Ref. (TT 65-50084)
Transl. 16155
Translation from *Akademiya Nauk SSSR. Pochvennyi Institut im. V. V. Dokuchaeva*. *Trudy* 34:110-142. 1950. CFSTI: \$1.00.
- 9429 CHANG, Y. C., SU, C. K., and WU, M. K. On methods of reclamation of drifting sands in the Yangtze-Hanshui lowland. (Ch) *Zhongguo Nongye Kexue* 7:30-33. 1964. 22.5 N928
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 37:5-6. Apr. 11, 1966. (JPRS 34,995; TT 66-313433) 241.65 Un3
- 9429 ELLENDER, A. J. Achievement and challenge. *Nat. Ass. Soil Water Conserv. Dist. Proc.*, 20th Annu. Conv.:14-18. 1966. 56.9 N212A
Chiefly watershed management and soil conservation.
- 9430 GOMEZ LOPEZ, J. A. Management of rice soils. (Sp) *Agr. Trop.* 22(7):382-385. July 1966. 26 Ag8
Colombia.
- 9431 GRAS, R. First results of a trial on the management of an orchard soil. I. Action on the physical properties of the soil. (Fr) *Ann. Agron.* 16(6):663-700. Ref. 1965. 14 F8499
English summary.
- 9432 HSIEH, C. C., HUANG, T. H., and LI, P. Methods of reclamation and increasing the yield of soils in the hilly region of Northern Hupei. (Ch) *Zhongguo Nongye Kexue* 6:7-11. 1964. 22.5 N928
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 37:6-7. Apr. 11, 1966. (JPRS 34,995; TT 66-313433) 241.65 Un3
- 9433 MARKUS, H. K. Exhaustion of soil through loss of organic matter. (Ge) *Deut. Baum-schule* 18(3):76-77. Mar. 1, 1966. 80 D486
- 9434 PAPIISOV, R. I., and EGOROVA, T. I. Some methods of the improvement of reclaimed Colchis lowland soils. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 4:137-147. Ref. 1965. 68.19 M23
English summary.
Management.
- 9435 PHELAN, J. T., and BUIE, E. C. Planning small watershed projects. *Agr. Eng.* 47(8):436-437, 440. Aug. 1966. 58.8 Ag83
- 9436 PHILLIPS, J. A. Soil management is year round job. *Feedlot* 8(10):68-69. Oct. 1966. 43.8 F32
- 9437 PURDUE UNIVERSITY. DEPT. OF AGRICULTURAL EXTENSION. The role of the Conservation District in small watershed projects; establishment, operation, responsibilities. *Purdue Univ. Ext. Ext. Circ.* 535, 20 p. Mar. 1965. 275.29 In2E
Indiana Flood Control and Water Resources Commission, cooperating.

Soil Fertility

- 9439 ADAMS, E. P., and LANGIN, E. J. Fertilizing pasture and hayland. *S. Dak. State Univ. Ext. FS* 316, 4 p. July 1966. 275.29 So85Fs
Includes legumes and grasses.
- 9439 AKHUNDOV, F. G. Effect of nitrogen fertilizers on rice yield in the Azerbaijan Soviet Socialist Republic. (Rus) *Agrokhimiya* 12:13-16. Dec. 1965. 385 Ag89
- 9440 ALDRICH, S. R. Timing: key to effective fall fertilization. *Fert. Solutions* 10(5):20-21, 23, 25. Sept./Oct. 1966. 57.8 So4
Chiefly on nitrogen fertilizing of field crops.
- 9441 ALIKIN, A. S. Fertilizing potatoes on light soddy-podzolic soils. (Rus) *In Vliyaniye dityel'n. primeneniya udobr. na plodorodie pochvy i produktiv. sevooborotov* 2:85-102. 1964. Not in Libr.
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 55', Rastenev. 16:24. Aug. 1965. Film S-202
- 9442 ALOV, A. S. The transformation and efficiency of phosphorus fertilizers in lower horizons and in their mixtures with the plough layer. *Agrokhimiya* 10(3):216-229. Ref. June 1966. 385 Ag84
- 9443 AMOR, R. L. Fertilizers for pastures in the Mallee. *J. Agr. [Melbourne]* 64(8):368-371. Aug. 1966. 23 V66J

SOIL MANAGEMENT

- 9427 BONE, S. W., and others. Productivity guide for Ohio soils. *Ohio. State Univ. Ext. Bull.* 476, 12 p., map. June 1966. 275.29 Oh32
G. E. Bernath, G. K. Dotson, H. J. Mederski, and R. L. Meeker, joint authors.
Management.

- 9444 ARTRU, P. Accumulation of plant debris in the Black soils of Barcillonette. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(26):2696-2698. June 27, 1966. 505 P21
- 9445 ATANASOV, S. Application of fertilizers to potatoes. (Bu) Rastenievudni Nauk. 2(2):75-84. Ref. 1965. 64.8 R18
German summary.
- 9446 AZOTOV, A. A. Fertilizer and herbicide application on pastures of the German Democratic Republic. (Rus) Khim. Sel'skom Khoz. 4(4): 76-80. Ref. Apr. 1966. 385 K524
- 9447 BAGATURIYA, E. A. Effect of application of mineral fertilizers on yields of tung trees. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 2:121-130. Ref. 1965. 68.19 M28
English summary.
- 9448 BAKER, A. S., and MORTENSEN, W. P. Residual effect of single borate applications on western Washington soils. Soil Sci. 102(3): 173-179. Ref. Sept. 1966. 56.8 S03
- 9449 BAKKER, I. Influence of precipitation in the preceding year on potassium requirements in the coming year. (Du) Neth. Dir. Landbouw. Landbouvoorlichting 23(2/3):69-72. Feb./Mar. 1966. 12 N383M
- 9450 BALBINO, L. R. Notes on fertilizers and fertilizing for the principal soils and crops of Angola. (Por) Gaz. Agr. Angola 11(7):1201-1203. July 1966. 24 G252
- 9451 BALLA, H. Yield, nutrient content and nutrient utilization as affected by farmyard manure and mineral fertilizers in the Hungarian People's Republic. Advancing Frontiers Plant Sci. 15:1-16. Ref. 1966. 452.4 V81
Field crops.
- 9452 BARNASH, Z. S. Effect of phosphorus fertilizers on yield of field crops in Volyn' Region of the Ukrainian S.S.R. (Rus) Agrokimiya 7:42-46. July 1965. 385 Ag89
- 9453 BARR, D. A. Fertilizer requirements for coastal heath stabilization. New S. Wales. Soil Conserv. Serv. J. 22(2):86-94. Apr. 1966. 56.9 N472
Pasture plants.
- 9454 BASKACHENKO, I. N. New fertilizers; mineralized underground waters increase yields. (Rus) Priroda [Moscow] 9:102-104. 1966. 410 P933
Field crops.
- 9455 BHAUMIK, H. D. Foliar application of urea for higher crop yields. Fert. News 11(8):20-24. Aug. 1966. 57.8 F4123
Field crops.
- 9456 BILGIN, C. Y. Wirkung überhöhter Kalidüngergaben auf Ertrag und Qualität der Zuckerrüben [Effects of increased potassium fertilizing on yield and quality of sugar beets]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 7,87 p. 1964. 105.8 B644
Bibliography, p.5-13.
- 9457 BOLDYREV, N. K., SHERSTOV, N. P., and BELOV, A. P. Experience with the application of soil analysis and foliar diagnosis for fertilizer rate determination. (Rus) Agrokimiya 7: 119-130. Ref. July 1965. 395 Ag89
Corn, wheat and peas used for experiment.
- 9458 BORISOVA, E. M., and OREKHOVSKAYA, E. P. Yields and content of sugars in sugar beets as reflected in an experiment with fertilizers on Sierozem soils. (Rus) Kirg. Nauch.-Issled. Inst. Zemn. Byulleten 8:27-34. 1964. 20 F94B
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:37. Aug. 1965. Film S-202
- 9459 BURSCHEL, P. Investigations on fertilizing beech and oak regeneration stocks. I. (Ge) Allg. Forst- Jagdzeitung 137(9):193-201. Sept. 1966. 99.8 AL3
- 9460 CHCHIBAYA, M. S. Effect of different fertilizer application on citrus in different stages of its development. (Rus) In Vliyaniye dinitel'n. primeneniya udobr. na podkorodie pochvy i produktivn. sevooborotov 2:330-340. 1964. Not in Libr.
Mandarin oranges.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:42. Aug. 1965. Film S-202
- 9461 CHOUDHURY, S. K. NPK needs of jute in Tripura. Fert. News 11(7):28-30. July 1966. 57.8 F4123
- 9462 CZELL, A., and REDLICH, G. C. Influencing utility value of young larch by combined root-green fertilization. (Ge) Centrabi. Gesamte Forstwesen 83(2):65-84. June 1966. 99.8 C33
English summary.
- 9463 DAJI, J. A. Manuring of rice in India. 8. Madras. Fert. News 11(8):14-17. Aug. 1966. 57.8 F4123
- 9464 DAKEV, T. Utilization of lignite waste matter as a fertilizer in the production of seedlings. (Bu) Priroda [Sofia] 14(2):91-94. Mar./Apr. 1965. 410 P934
- 9465 DHESI, N. S., PADDA, D. S., and MALIK, B. S. Effect of N, P and K on the yield of radish. Indian J. Agron. 10(4):407-409. Dec. 1965. 22 In235
- 9466 DJURABI, M. Die Wirkung einer 30-Jährigen Mineral- und Stallmistdüngung auf die Eigenschaften eines Filderlehm-Bodens [The effect of a 30-year mineral and barn manure fertilizing on the properties of Filder loam soil]. Hohenheim. Landwirt. Hochsch. Diss. 5,73 p. June 1964. 105.8 H66ED
Bibliography, p.67-72.
- 9467 DONEV, N., and MILYANOV, I. Substitutes for manures for tobacco transplants. (Bu) Bulgarski Tyutun 3:6-10. 1965. 69.8 B872
Chiefly composts.
- 9468 DOUBRAVSKY, J. Green manures in the wide spacings of hops are replacing need for fertilizers and raising yields. (Cz) Chmelarstvi 38(7):106-108. July 5, 1965. 70.8 C33
- 9469 DOUBRAVSKY, J. Utilization of results of soil analysis in the nutrition of hops. (Cz) Chmelarstvi 38(9):138-140. Sept. 5, 1965. 70.8 C33
Application of fertilizers.
- 9470 DUKA, V. I. Agrochemical service in German Federal Republic. (Rus) Agrokimiya 7:145-159. July 1965. 385 Ag89
Chiefly application of mineral fertilizers on field crops.
- 9471 DUNCAN, D. A., and REPPERT, J. N. Helicopter fertilizing of foothill range. U. S. Forest Serv. Res. Note PSW-108, 3 p. 1966. A99.9 F7652
Applying sulfur fertilizer in California.
- 9472 EAGLE, D. J. Soil nitrogen analyses and their relation to nitrogen responses in winter wheat. J. Sci. Food Agr. 17(8):365-370. Aug. 1966. 382 S02
- 9473 ENDRIZHIEVSKAYA, A. A. Effect of fertilizers on yields and quality of monogerm sugar beets. (Rus) In Rol' udobrenii i drugikh faktorov v povyshenii produktiv. rast. 1964:100-103. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:36. Aug. 1965. Film S-202.
- 9474 ERDEI, S. Pature improvement possibilities in the Duna-Tiszakov. (Hu) Magyar Mezgazdasag 21(33):12-13. Aug. 17, 1966. 19 M27
Soil improvement with mineral fertilizers, chiefly.
- 9475 ERDENIZ, Z. R. Über den Einfluss einer Schwefeldüngung auf den Sulfat-Schwefel-Gehalt des Bodens und den Gehalt der Pflanze an verschiedenen Schwefelfraktionen [On the influence of sulfur fertilizing on the sulfate-sulfur content of soil and various sulfur fraction content of plants]. Giessen, Justus-Liebig-Universität. Landwirt. Fak. [Diss.] 10, 102 p. 1964. 105.8 G36
Bibliography, p.57-64.
- 9476 ERMOLAEV, I. Mineral fertilization of corn on strongly leached Chernozems in the Agricultural Research Institute, "Obraztsov Chiflik" area. (Bu) Rastenievudni Nauk. 2(3):99-106. 1965. 64.8 R18
English summary.
- 9477 FEDOROVA, L. D. Effect of prolonged fertilizer application on agrochemical properties of soddy-podzolic soils under grass crops. (Rus) Khim. Sel'skom Khoz. 4(4):19-22. Ref. Apr. 1966. 385 K524
- 9478 FONTES, L. A. N., GOMES, F. R., and VIEIRA, C. Response of beans to application of N, P, K, and calcium in the bush zone, Minas Gerais. (Por) Rev. Ceres 12(71):265-285. Ref. Sept./Dec. 1965. 9.2 C332

- 9479 FORTE, V. The succession of tree fruits. (It) Agr. Napolitana 33(1/2):7-9. Jan./Feb. 1966. 16 Ag8268
Rotation because of loss of soil fertility.
- 9480 FUEHRING, H. D. Nutrition of corn (*Zea mays* L.) on a calcareous soil. III. Interaction of the zinc and boron with plant population and the relationship between grain yield and leaf composition. Soil Sci. Soc. Amer. Proc. 30(4):489-494. Ref. July/Aug. 1966. 56.9 So3
- 9481 FURST, Z., and TAJBL, V. Industrial fertilizers in the production of hops. (Cz) Chmelarstvi 38(11):166-167. Nov. 5, 1965. 70.8 C33
Effects of mineral fertilizers on yields.
- 9482 FURST, Z. Industrial forms of nutrition of hops. (Cz) Chmelarstvi 38(9):132-135. Sept. 5, 1965. 70.8 C33
Chiefly application system of mineral fertilizers and manures.
- 9483 FURST, Z. Relation between the amount of calcium and magnesium and hop yields. (Cz) Chmelarstvi 38(4):52. Apr. 20, 1966. 70.8 C33
Fertilizers.
- 9484 FURUNES, J. Comparison of urea and nitrates as nitrogen fertilizer in agricultural crops, 1956-1963. (No) Forsk. Forsok Landbruket 17(2):123-146. Ref. 1966. 11 F772
English summary.
- 9485 GAMKRELIDZE, I. D. Nitrogenous fertilizers for citrus crops. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:53-79. Ref. 1965. 68.19 M28
English summary.
- 9486 GARTEL, W. Fertilizers for grapes in vine regions of intensive production. (Ge) Weinberg Keller 13(7):295-326. Ref. July 1966. 95.8 W435
- 9487 GONZALEZ T., J. A., and MATUS PORTOCARRERO, H. Preliminary data on fertilizing of coffee nurseries. (Sp) Nuestra Tierra 9(1/2):4-9. 1965. 8 N882
- 9488 GORBUONOVA, L. P. Effectiveness of potassium fertilizers on leached Chernozem of the Lori Plateau of Armenian S. S. R. (Rus) Agrokhiymiya 7:47-55. Ref. July 1965. 385 Ag89
Field crops.
- 9489 GRAM, T. Fertilizing of older forest on moraine. (No) Norsk Skogbruk 11(10):333-334. May 1965. 99.8 N815
- 9490 GREEN, R. E. Head cabbage yield and leaf calcium as influenced by liming a latosolic Reddish Prairie soil. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 145.11 p. July 1965. 100 H313P
- 9491 GUSAROVA, YU. N. Effectiveness of fertilization and increase of commercial potato yields. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:144-147. July 1966. 20 V633
- 9492 GUTIN, N. G., and KIRPANEVA, L. I. Effectiveness of nitrogen fertilizers applied to winter wheat as related to varying amounts of legumes in the rotation. (Rus) Agrokhiymiya 12:8-12. Dec. 1965. 385 Ag89
- 9493 HADZIOIMERSPAHIC, R. Utilization of town waste as fertilizer for fruit orchards. (Se) Poljoprivredni Pregl. 14(11/12):485-489. Nov./Dec. 1965. 21.5 P753
- 9494 HAGBERG, N. Godslingsforsok i barrskog. Fertilization experiments in Swedish conifer stands. Stockholm. Skogshogsk. Inst. Skogstek. Rapp. Uppsater 11, 104 p. Ref. 1966. 99.9 St642
English summary.
- 9495 HALLOCK, D. L., BROWN, R. H., and BLASER, R. E. Response of Coastal and Midland bermudagrass and Ky. 31 fescue to nitrogen in southeastern Virginia. Va. Agr. Exp. Sta. Res. Rep. 112, 20 p. Ref. July 1966. 100 V81R
Fertilizers.
- 9496 HAUTKE, P. Premises of an effective and balanced nutrition of hops. (Cz) Chmelarstvi 38(9):131-132. Sept. 5, 1965. 70.8 C33
Fertilizers.
- 9497 HAWKS, S. N., and MCCANTS, C. B. Guides for fertilizing flue-cured tobacco. N. C. Univ. Ext. Ext. Folder 212, rev., 8 p. May 1966. 275.29 N811Ex
- 9498 HERNANDO, V., and MENDIOLA, J. Effect of nitrogen fertilizers on vineyards. (Sp) An. Edafol. Agrobiol. 24(9/10):575-587. Ref. Sept./Oct. 1965. 506 Sp12
English summary.
- 9499 HOUGH, H., and others. Summary of 1965 fertilizer studies in Wyoming. Wyo. Agr. Exp. Sta. Bull. 454, 18 p. June 1966. 100 W99
L. B. Painter, P. Singleton, W. Seamans, J. Partridge, C. Moine, and G. Robbins, joint authors.
Field crops and vegetables.
- 9500 HSUEH, S. L., and others. Fertilizer application technique for the yield increase of wheat in the late rice and late wheat region of T'ai-hu. (Ch) Tso Wu Hsueh Pao 4(4):369-373. Nov. 1965. 64.8 T75
Y. Ts'ao, T. H. Ting, S. C. Kuo, P. C. Meng, and L. P. Tai, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 47:67. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.
- 9501 HUNSIG, G., and MANI, V. S. Fertilizer requirements of oats—a review. Fert. News 11 (7):13-17, 24-25. Ref. July 1966. 57.8 F4123
- 9502 HUSZ, G. The effect of different nitrogenous fertilizers on the quantity and quality of cane in northern Peru. (Ge) Z. Pflanzenernahr. Dungung. Bodenkd. 112(2):133-144. Ref. 1966. 384 Z343A
English summary, p. VII.
- 9503 JAZBEC, M. Application of fertilizers to fruit varieties. (Sl) Soc. Kmetistvo Gozdarstvo 17(4):78-79. Mar. 14, 1966. 21.5 So14
Chiefly minerals.
- 9504 JIMENO, L., and AYERBE, M. Effects on the plant of phosphatic fertilization in five soil types. (Sp) An. Edafol. Agrobiol. 24(9/10):563-574. Sept./Oct. 1965. 506 Sp12
English summary.
Observed on lettuce.
- 9505 JONES, U. S. Nitrogen: the keystone of protein. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 52, 57 p., map. June 1965. 56.9 So84
Chiefly fertilizing of field crops.
- 9506 JORDAN, C. W., EVANS, C. E., and ROUSE, R. D. Coastal bermudagrass response to applications of P and K as related to P and K levels in the soil. Soil Sci. Soc. Amer. Proc. 30(4):477-480. July/Aug. 1966. 56.9 So3
- 9507 JUSTIFIED application of Chile saltpeter. 5. p. (TT 63-16057) Transl. 15971
Translation from Netherlands. Landbouvoorlichtingsdienst. Maandbl. 9(12):454-455. Dec. 1965.
Issued by CFSTI.
- 9508 KACHARAVA, O. N., and KUTUBIDZE, V. V. The effectiveness of mineral fertilizers on seed tea plantations. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 4:19-25. 1965. 68.19 M28
English summary.
- 9509 KARPOVA, E. S., and PETROVA, L. I. Effect of farm manure and mineral fertilizer prolonged application on the fertility of a sandy-coarse loam soddy-podzolic soil. (Rus) Pochvovedenie 8:69-75. Aug. 1966. 57.8 P34
English summary.
- 9510 KAZAKOVA, K. The problem of sugar beet fertilization under conditions prevalent in the Dobrudja. (Bu) Rastenievudni Nauk. 2(3):139-145. 1965. 64.8 R18
English summary.
- 9511 KHOMYAKOV, V. N. Effect of agrometeorological conditions on effectiveness of molybdenum application to increase yields of pea seeds. (Rus) Meteorol. Gidrol. 8:37-40. Aug. 1965. 345 M56
- 9512 KOICHEV, T. A study of sheepfold manuring of a highland pasture of the *Nardus stricta* type in the central Rhodope Mountains. (Bu) Rastenievudni Nauk. 2(6):139-147. 1965. 64.8 R18
English summary.

- 9513 KORABLEVA, L. I. Vermiculite as a source of magnesium for plants. (Rus) *Agrokimiya* 7:88-102, July 1965, 385 Ag89
Possible use for fertilization of field crops.
- 9514 KOSTYANOV, S. Reaction of some tobacco varieties to nitrogen and phosphorus fertilizers. (Bu) *Bulgarski Tyutyun* 3:4-6, 1965, 69.8 B872
Yields.
- 9515 KRAJCOVIC, V., and VOLOSIN, J. The effect of high nitrogen dosage on yields of grass mixtures. (Cz) *Pol'nohospodarstvo* 12(6):449-456, Ref. 1966, 19.5 P752
English summary.
- 9516 KRELL, W. Secondary fertilizing of meadows with nitrogen. (Ge) *Feldwirtschaft* 7(6):311-312, June 1966, 18 W763
- 9517 KRESGE, C. B. Fertilization of Midland bermudagrass. *Plant Food Rev.* 12(2):7-8, 16, Summer 1966, 57.8 P694
- 9518 KUCHKAROV, S. Effect of fertilizers and dosage of each on yields of cotton grown on meadow soils. (Rus) Tashkent, Nauch.-Issled. Inst. Khlopkov. Sb. Nauch. Rabot. Aspirantov Soyuz-NIKHI 4:112-122, 1964, 72.9 T1828b
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:33, Aug. 1965, Film S-202
- 9519 KUDROV, A. P. Effect of dates and methods of application of mineral fertilizers on yields of sugar beets, grown on deep Chernozem soils. (Rus) *Khim. Sel'skom Khoz.* 4(4):2-8, Apr. 1966, 385 K524
- 9520 KULEHMEDOV, E. N., and GULIEV, SH. M. Effect of iodine-containing fertilizers on development and yields of field crops. (Az) Akad. Nauk Azerb. SSR. Inst. Pochvoved. i Agrokhim. Trudy 22:165-178, 1964, 56.9 Ak15
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 15:12, Aug. 1965, Film S-202
- 9521 KULIK, M. S. Forecasting the effectiveness of spring fertilization of winter grain crops. (Rus) *Meteorol. Gidrol.* 8:3-6, Aug. 1965, 345 M56
In relation to yields.
- 9522 KUSMENKOV, A. V. Changes in agrochemical properties of orchard soddy-podzolic soil with the application of fertilizers. (Rus) *Pochvovedenie* 9:92-97, Ref. Sept. 1966, 57.8 P34
Apples.
English summary.
- 9523 KUZNETSOV, K. A., and NIKOLAEVA, N. I. Effect of cultivation on the fertility of leached Chernozems and Grey-Forest soils in Penza Region. (Rus) *Pochvovedenie* 8:75-80, Aug. 1966, 57.8 P34
English summary.
- 9524 LACHICA, M., RECALDE, L., and ESTEBAN, E. Foliar analysis; analytical method used at the experiment station of Zaidin. (Sp) *An. Edafol. Agrobiol.* 24(9/10):589-610, Sept./Oct. 1965, 506 Sp12
English summary.
In trees.
- 9525 LAL, G. Large compact block demonstration in Bulandshahr Dist. *Fert. News* 11(8):12, Aug. 1966, 57.8 F4123
Chiefly field crop fertilizing.
- 9526 LAMMERS, H. W. Problems of organic fertilizer production. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(2/3):58-63, Feb./Mar. 1966, 12 N383M
Potassium requirements of grasslands and amounts supplied by livestock.
- 9527 LAG, J. Factors influencing possibilities of soil for supplying vegetation with nutrition. (No) *Norske Myrselsk. Medd.* 64(3):66-78, June 1966, 11 N813
- 9528 LAPO, A. I., and GLUSHINA, Z. M. Effects of minor elements on yield of corn grown on soddy-podzolic sandy soils in Polesie. (Be) Minsk, Belorussk. Akad. Nauk, Vestsi, Ser. Sel'skospaspadachnykh Nauk 4:29-33, 1964, 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 15:23, Aug. 1965, Film S-202
- 9529 LASKOS, J., and BERNATH, S. The effect of high doses of mineral fertilizers on yields of hemp. (Cz) *Len Konopi* 5:21-31, Ref. 1965, 73.8 L543
English summary.
- 9530 LEON GARRE, A. Considerations on soil fertility. (Sp) *Cult. Mod.* 49(7):262-263, July 1966, 15 C89
- 9531 LEON GARRE, A. New considerations on fertility. (Sp) *Cult. Mod.* 49(8):299-300, Aug. 1966, 15 C89
Soils.
- 9532 LI, C. K. Theoretical basis for the fertile effect of powdered phosphate ore. (Ch) *Kexue Tonbao* 17(2):49-57, Jan. 30, 1966, 475 K82
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Chem.* 18:8, Apr. 13, 1966, (JPRS 35,028; TT 66-31466) 241.64 Un323
Issued by CFSTI.
- 9533 LICHEV, S., PETROV, P., and MAMAROVA, L. V. The effect of hyperphosphate on the yield of certain crops. (Bu) *Rasteniyevodni Nauk.* 2(2):85-92, 1965, 64.8 R18
English summary.
Field crops.
- 9534 LISTVIN, K. S. Application of defluorinated phosphates and thermophosphates to flax. (Rus) *Khim. Sel'skom Khoz.* 4(4):22-23, Apr. 1966, 385 K524
- 9535 MALLIK, S. N., DAS, K. C., and MISRA, D. P. Fertiliser responses of wheat in paddy-wheat rotation. *Indian J. Agron.* 10(4):385-392, Dec. 1965, 22 In235
- 9536 MANTROVA, E. Z. Techniques of fertilizer application to Gladiolus. (Rus) *Agrokimiya* 8:136-139, Aug. 1965, 385 Ag89
- 9537 MARZI, V., and MONTARULI, A. Trials of fertilization of sugar beets in some parts of Apulia and Lucania. (It) *Indus. Sac. Ital.* 58(5/6):127-145, Ref. May/June 1965, 65.8 In23
English summary.
Effects on yields.
- 9538 MAURER, K. J. Decreased expenditure—decreased income. (Ge) *Obst Gemuse* 30(8):29, Aug. 1966, 286.63 Ob72
Importance of fertilizers and plant protection in fruit production.
- 9539 MELNYCHENKO, I. H. Using peat, minerals and ammoniac fertilizers to improve fertilization of soils in the Lower Dnieper Region. (Uk) *Visnyk Sil'skohospodar. Nauk.* 6:10-13, June 1965, 20 V82
Russian summary.
- 9540 MIDDLETON, K. R., and PUSHARAJAH, E. The use of phosphates in the cultivation of Hevea brasiliensis in Malaya. *Outlook Agr.* 5(2):69-73, Ref. 1966, 10 O88
- 9541 MIKULAS, J., and PUSZTAI, J. Stubble green manuring experiences in the comitat of Zala. (Hu) *Magyar Mezogazdasag* 21(29):10-11, July 20, 1966, 19 M27
- 9542 MNKOV, S. Cotton top dressing under irrigation. (Bu) *Rasteniyevodni Nauk.* 2(3):133-138, 1965, 64.8 R18
English summary.
Includes yields.
- 9543 MIROSHNIKOVA, L. S. Fertilizer application to winter wheat. (Rus) *Agrokimiya* 7:69-74, July 1965, 385 Ag89
- 9544 MISHUSTIN, E. N., and EROFEEV, N. S. Prevention of nitrogen deficiency of soil by use of straw as organic fertilizer. (Rus) *Mikrobiologiya* 34(6):1056-1062, Ref. Nov./Dec. 1965, 448.3 M582
English summary.
- 9545 MOORE, F. D. Lettuce responses to applied zinc. 1965, Colo. Agr. Exp. Sta. Colo. Progr. Rep. 187.2 p. July 1966, 100 C71C
Effects on yields.
- 9546 MORGUL, V. V. Effectiveness of fertilizer application in fruit garden. (Rus) *Khim. Sel'skom Khoz.* 4(4):70-71, Apr. 1966, 385 K524
Apples.
- 9547 MORRISON, J. The effects of nitrogen, phosphorus and cultivation on the productivity of Kikuyu grass [*Pennisetum clandestinum*] at high altitudes in Kenya. *East Afr. Agr. Forest.* 31(3):291-297, Jan. 1966, 24 Ea74
- 9548 MUIR, B. C. M. Superphosphate; effect of particle size on pasture growth. *J. Agr. [Melbourne]* 64(8):348-350, Aug. 1966, 23 V66J

- 9549 MYHRE, D. L., and SANFORD, J. O. What should be done with corn stalk residue. *Miss. Agr. Exp. Sta. Inform. Sheet* 915, 2 p. Jan. 1966. 100 M69in
Effect of plowing under on yields.
- 9550 NAEF, J. Summer green manuring in grape culture. (Ge) *Schweiz. Z. Obst- Weinbau* 102 (9):235-237. Apr. 30, 1966. 80 Sch9
- 9551 NEKOVA-BOCHEVA, E. Quantitative relationships between nitrogen and phosphorus in fertilizing the San Pastore wheat variety on leached Chestnut forest soils in the Sofia area under irrigation or without irrigation. (Bu) *Rastenievudni Nauk.* 2(2):63-73. 1965. 64.8 R18
English summary.
- 9552 NEKLYUDOV, B. M. Molybdenum fertilizers as important factor in increasing yields of legumes on podzolic soils. (Rus) *Mezhvuz. Nauchn. Konferentsiya po Raionir. i Priemam Vozdeiyvaniya Zernobob. Kul'tur na Vost. Lesostepn. Polosy* 1963:100-111. 1964. Not in Libr
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:26. Aug. 1965. Film S-202
- 9553 NEZAMUDDIN, S., and SINGH, B. B. Fertilizer cum varietal trial on rainy season potato in Chotanagpur. *Indian J. Agron.* 10(4):404-406. Dec. 1965. 22 In235
- 9554 NIGGEMANN, J. Regular peat fertilizing--an efficiency measures. (Ge) *Torfnachrichten* 17 (3/4):6. Mar./Apr. 1966. 57.8 T632
- 9555 NIKITIN, G. P. Improving method for local application of ammonium nitrate to barley. (Rus) In *Issled. Pochv. Rastit. i Faunist. Resursov Yakutii* 1964:147-150. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:17. Aug. 1965. Film S-202
- 9556 NIZSALOVSKY, J. Fall tasks in mineral fertilizer application. (Hu) *Magyar Mezogazdasag* 21(35):6-7. Aug. 31, 1966. 19 M27
- 9557 OBLAK, M. Optimal nutrition of black currants. (S) *Soc. Kmetijstvo Gozdarstvo* 17(4):80-81. Mar. 14, 1966. 21.5 Sol4
Fertilizers.
- 9558 ODELIEN, M. Preliminary field experiments with sulphur fertilization. (No) *Forsk. Forsok Landbruket* 17(2):79-115. Ref. 1966. 11 F772
English summary.
- 9559 OKUDA, A., TAKAHASHI, E., and YOSHIDA, M. On the volatilization of the ammonia transformed from urea applied under upland and waterlogged conditions. 15 p. Transl. 15620
Translation from *Journal of the Science of Soil and Manure* 31:273-278. 1960.
- 9560 OLESEN, J. Control of fertilizer condition of soils. (Da) *Landbonyt* 20(9):305-307, 324. Sept. 1966. 11 L2322
- 9561 PAHMEYER, H. L. Ertragsleistung von zuckerruben in Abhangigkeit von Bodentyp und Lossmachigkeit unter besonderer Berücksichtigung der Anbaugiete Jülich und Euskirchen [Productivity of sugar beets in relation to soil type and loess depth with special reference to the Jülich and Euskirchen growing districts]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 18, 102 p. 1964. 105.8 B644
Bibliography, p. 5-11.
- 9562 PANASENKO, A. N. Effects of fertilizers on yields of broadbean seeds. (Rus) *Mezhvuz. Nauchn. Konferentsiya po Raionir. i Priemam Vozdeiyvaniya Zernobob. Kul'tur na Vost. Lesostepn. Polosy* 1963:322-338. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:27. Aug. 1965. Film S-202
- 9563 PATHAK, S. S. Response of unirrigated wheat to N.P. *Indian J. Agron.* 10(4):393-398. Ref. Dec. 1965. 22 In235
- 9564 PETERBURSKII, A. V., and KORCHAGINA, U. I. Ammonium fixation by some soils from fertilizers and the availability of this form of nitrogen to crops. (Rus) *Agrokimiya* 7:15-25. July 1965. 385 Ag89
- 9565 PETROV, P. Mineral fertilization of tobacco growing on humus-calcareous soils. (Bu) *Bulg. Tyutyun* 9/10:16-19. 1965. 69.8 B672
- 9566 PETROVA, M. The effect of the depth and the time of superphosphate introduction on the yield of winter wheat. (Bu) *Rastenievudni Nauk.* 2(2):119-127. Ref. 1965. 64.8 R18
English summary.
- 9567 PETROVA, M. Fertilization of beans, grown on slightly leached Chernozems. (Bu) *Rastenievudni Nauk.* 2(4):113-117. 1965. 64.8 R18
English summary.
- 9568 PETROVA, M. Importance of the nitrogen/phosphorus ratio in fertilizing winter wheat under conditions of slightly leached Chernozems in the Dobruja area. (Bu) *Rastenievudni Nauk.* 2(3):123-132. Ref. 1965. 64.8 R18
English summary.
- 9569 PITZENMEYER, C. The manuring of lucerne. (Fr) *Fourrages* 26:42-56. June 1966. 60.8 F82
English summary, p. 92.
- 9570 PODECHTL, J. How much nitrogen does the meadow need? (Ge) *Presse-Umschau* 17(5/6):5-8. 1966. 19 L237
- 9571 PRITCHETT, W. L., and LLEWELLYN, W. R. Response of slash pine (*Pinus eliottii* Engelm. var. *elliottii*) to phosphorus in sandy soils. *Soil Sci. Soc. Amer. Proc.* 30(4):509-512. Ref. July/Aug. 1966. 56.9 Sc3
- 9572 RABOTNOV, T. A. Experimental procedures to study effectiveness of fertilizers on pastures. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:103-107. July 1966. 20 V633
English summary.
Netherlands.
- 9573 RADOMIROV, P. Minor elements as fertilizers. (Bu) *Priroda [Sofia]* 14(2):11-14. Mar./Apr. 1965. 41C P934
- 9574 RAI, K. D. Effect of green-manuring and fallowing on soil nitrogen and organic carbon and on the succeeding crop in the Central Clay Plain of the Sudan. *Indian Soc. Soil Sci. J.* 14(1):1-8. Mar. 1966. 56.9 In2
- 9575 RID, H. Comparison of along row fertilising with broadcast fertilising with different crops. (Ge) *Z. Pflanzenernahr. Dungung. Bodenk.* 112 (2):97-101. 1966. 384 Z343A
English summary, p. V.
- 9576 ROBERTSON, W., and WALKER, H. J. Effect of nitrogen source and rate on irrigated grain sorghum. *Tex. Agr. Exp. Sta. MP-806*, 3 p. May 1966. 100 T31M
Fertilizers.
- 9577 ROCAS OLANO, C. Phosphorus in agriculture. (Sp) *Cult. Mod.* 49(7):268. July 1966. 15 C89
Fertilizer.
- 9578 ROGAEV, I. E. Comparative effectiveness of new forms of phosphorus-potassium and carbonate forms of potassium fertilizers. (Rus) *Agrokimiya* 12:38-42. Dec. 1965. 385 Ag89
Field crops.
- 9579 ROTH, K. N. Phosphorus fertilizing of meadows on marshes; a comparison of superphosphates and Thomas phosphate. (No) *Ny Jord* 53(1):9-13. Feb. 1966. 282.28 N98
- 9580 SAXENA, M. C., and GAUTAM, O. P. Response of hybrid maize to levels of nitrogenous and phosphatic fertilization. *Indian J. Agr. Econ.* 21(2):71-78. Apr./June 1966. 281.8 In2
- 9581 SAVOST'YANOV, V. K. Effects of fertilizer application on eolian loamy sandy soils. (Rus) *Agrokimiya* 7:75-83. Ref. July 1965. 385 Ag89
- 9582 SDOBNIKOVA, O. V. Fertilizers and their application in northern Kazakhstan. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:45-53. July 1966. 20 V633
English summary.
Field crops.
- 9583 SILAR, J. Factors which substantially affect the economic advantages of the application of mixed fertilizers. (Cz) *Agrochimica [Bratislava]* 6(6):180-185. 1966. 385 Ag88
English summary, p. 1 of supplement.
Includes losses.
- 9584 SINCH, G., and VERMA, J. K. Response of wheat varieties to levels of nitrogen. *Indian J. Agron.* 10(4):381-384. Dec. 1965. 22 In235

- 9585 SMIRNOV, A. P. Cabbage response to nitrophoska application in the central Urals. (Rus) *Agrokimiya* 7:64-68. July 1965. 385 Ag89
- 9586 SMIRNOVA, R. S. Application of potassium fertilizers on meadows and sown grasses. (Rus) *Agrokimiya* 8:82-88. Ref. Aug. 1965. 385 Ag89
- 9587 SOROCHEKOV, A. F. Application of mineral fertilizers to proso following sugar beet. (Rus) *Agrokimiya* 8:133-134. Aug. 1965. 385 Ag89
- 9588 SPRINGER, E. Consider method of culture in connection with additional fertilizing. (Ge) *Torfnachrichten* 17(3/4):5-6. Mar./Apr. 1966. 57.8 T632
House plants.
- 9589 STEPHENS, D. Two experiments on the effects of heavy applications of triple superphosphate on maize and cotton in Buganda clay loam soil. *East Afr. Agr. Forest.* J. 31(3):283-290. Jan. 1966. 24 Ea74
- 9590 STRATAN, V. V. Effect of mineral fertilizers on yields and hardness of winter barley. (Rus) *Kishinevskii Sel'skokhoz. Inst. im. M. V. Frunze. Trudy* 34(2):100-101. 1964. 106 K64
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:19. Aug. 1965. Film S-202
- 9591 SZIGETHY, L. Timely problems of mineral fertilizing. (Hu) *Magyar Mezogazdasag* 21(33):9-11. Aug. 17, 1966. 19 M27
Application and use.
- 9592 TEPE, W. The nutrition of grape grafts on the grape breeding farms. (Ge) *Weinberg Keller* 12(12):557-562. Dec. 1965. 95.8 W435
English summary.
Fertilizers and irrigation.
- 9593 TINTIGNAC, J. P. Use of Thies phosphates for groundnut production in Senegal. *Oleagineux* 21(8/9):525-530. Aug./Sept. 1966. 77.8 OL2
English summary, p. XLV.
- 9594 TONKUNAS, I. Economic effectiveness of mineral fertilizers on sown pastures. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:95-98. July 1966. 20 V633
English summary.
In Lithuania.
- 9595 TOOSEY, R. D., and USHER, J. W. Influence of the level of nitrogenous fertilizer on the yield and matter content of marrow stem kale at various sowing dates. *Nature* [London] 211 (5045):216-217. July 9, 1966. 472 N21
- 9596 TORFS, P. Potting soil. (Du) *Tuinbouwbe-richten* 30(9):330-331. Sept. 1966. 80 T817
- 9597 TSAO, C. H., and TENG, M. C. On the problem of selecting subjects for scientific study from the viewpoint of production. (Ch) *Scientia Silvae* 10(4):367-368. Oct. 1965. 99.8 L632
Use of green manures in forestry.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 43:28-29. Feb. 23, 1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 9598 TU, C. C. A reasonable application of head fertilizer for rice. (Ch) *Tso Wu Hsueh Pao* 4 (4):299-312. Nov. 1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:59. Mar. 2, 1966. (JPRS 34,362; TT 66-30802) 241.7 Un34C
Issued by CFSTI.
- 9599 TURTURYANU, N. A. Effectiveness in application of mixed mineral fertilizers in Moldavia. (Rus) *Agrokimiya* 7:56-63. Ref. July 1965. 385 Ag89
Sugar beets and corn.
- 9600 VAN LUFT, B. Application of copper slag and copper sulfate as copper fertilizers on agricultural land. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(2/3):81-84. Feb./Mar. 1966. 12 N383M
For grain.
- 9601 VETROMILE, E. Fertilization of fruit trees. (It) *Agr. Napoletana* 33(1/2):10-11. Jan./Feb. 1966. 16 Ag8268
- 9602 VILDFLUSH, R. T., and KAL'KO, B. A. Increasing effectiveness of basic mineral fertilizer when applied in furrows to potatoes. (Rus) *Agrokimiya* 8:89-102. Ref. Aug. 1965. 385 Ag89
- 9603 VIL'DFLUSH, R. T., and GORBYLEVA, A. I. *Kratkii spravochnik po izvestkovaniyu kisl'ykh pochv* [A concise handbook for liming of acid soils]. Minsk, Upozhai, 1966. 216 p. S643.V5
- 9604 VIRMANI, S. M., MOULINIER, H., and MAZOYER, R. Contribution to the study of methods for the dosage of the available phosphoric acid in the soil. (Fr) *Ann. Agron.* 17(2):143-155. Ref. 1966. 14 F8499
English summary.
- 9605 VIRO, P. J. Forest fertilizing on mineral soils. (Sw) *Vaxt-Narings-Nytt* 22(3):28-33. 1966. 57.8 V47
- 9606 VLASYUK, P. A., and others. Basic problems of agricultural chemistry. (Rus) *Agrokimiya* 8:3-19. Aug. 1965. 385 Ag89
P. A. Dmitrenko, A. V. Ladzurskii, P. G. Naidin, Ya. V. Peive, and A. V. Sokolov, joint authors.
Chiefly field crop fertilizer policies.
- 9607 VOSS, R. D. Keep liming your soil. *Hoard's Dairyman* 111(18):1081,1110. Sept. 25, 1966. 44.8 H65
- 9608 WELCH, C. D. Soil test summaries pinpoint fertilizer needs. *Plant Food Rev.* 12(2):9-11. Summer 1966. 57.8 P694
- 9609 WIDDOWSON, F. V., PENNY, A., and WILLIAMS, R. J. B. An experiment measuring effects of N, P and K fertilizers on yield and N, P and K contents of grazed grass. *J. Agr. Sci. [London]* 67(1):121-128. Aug. 1966. 10 J822
- 9610 WINDHAM, S. L. Fertilizer needs for greenhouse tomatoes. *Miss. Agr. Exp. Sta. Inform. Sheet* 913, 1 p. Dec. 1965. 100 M69in
- 9611 WORLEY, R. E., and HARMON, S. A. Fertilizers for side dressing sweet corn. *Ga. Agr. Res.* 7(4):12-13. Spring 1966. 100 G295
- 9612 XABREGAS, J., and XABREGAS, M. A. Fertility tests in growing pots. (Por) *Agron. Angolana* 18:51-67. 1963, pub. 1965. 24 Ag83
English summary.
Use of *Lolium italicum* for testing soil fertility.
- 9613 YSTAAS, J. Gjødning til frukttrær [Fertilizing of fruit trees]. Norway. Landbruksdep. Opplysningstjenesten. *Norsk.* 3, 7 p. 1966. 464.4 N83
- 9614 ZHUKOV, M. S., and REPYAKH, I. I. Fertilizing hemp. (Rus) *Len Konoplya* 9:21-23. 1966. 73.8 L542

Soil Tilth and Tillage

- 9615 ARAI, H. Plowing, land preparation and seedling methods for direct seeding on dry land condition in rice culture. 9 p. Transl. 16208
Translation from Chugoku Agricultural Research 29:47-50. June 1964.
- 9616 BAC, S. The influence of plowing on soil displacement. 12 p. (OTS 61-11336)
Transl. 15014
Translation from Research on Soil Erosion in Poland.
CFSTI: \$0.50.
- 9617 BENDER, J. Glebokosc orki i wilgotnosc jako czynniki kształtujące zwiezlosc gleb wytworzonych z piaskow i glin lekkich [Tillage and moisture as factors influencing compaction of arable soils]. *Poznanski Tow. Przyjaciol Nauk. Wyd. Nauk Roln. Lesn. Komis. Nauk Roln. Komis. Nauk Lesn. Prace* 22(1), 61 p. 1966. 20.5 P872
English summary.
Bibliography, p. 55-59.
- 9618 BRINHART, B. Ways to use your leaves. *Org. Gard. Farming* 13(10):26-28. Oct. 1966. 57.8 Or32
As mulch and compost.
- 9619 CZERATZKI, W. Characterization of the tillage-influenced soil properties in relation to plant growth. (Ge) *Landbauforsch. Vollenrode* 16(1):37-44. Ref. June 1966. 18 L2353
English summary.
- 9620 DOTTI, F. Harrowing, covering with grass, and mulching in the orchard. (It) *Romagna Agr. Zootec.* 51(2):85-85. Feb. 1966. 16 R66

- 9621 FRESE, H., and ALTEMULLER, H. J. Concerning morphological observations in the plowed areas. 7 p. Transl. 16008
Effect of plowing on soil compaction.
Translation from Grundlagen der Landtechnik, No. 15. 1963.
- 9622 GALINDO, A. Method of quickly breaking up stubble. (Sp) Cult. Mod. 49(6):219. June 1966. 15 C89
- 9623 HASSELBACH, O. E. A study of preseasonal cultivation methods in rice. Surinam. Landbouwproufst. Bull. 85, 28 p. Ref. Dec. 1965. 9.6 D95
- 9624 IVANOV, A., TODOROV, F., and STOINEV, K. The effect of tillage for corn growing on the accumulation and consumption of moisture in Chernozem-Smoltiza soils. (Bu) Rastenievudni Nauk. 2(4):139-148. Ref. 1965. 64.8 R18
English summary.
- 9625 IVANOV, A., and TODOROV, F. Studies on the deepening of the arable layer of leached meadow Chestnut soils. (Bu) Rastenievudni Nauk. 2(3):93-98. 1965. 64.8 R18
English summary.
Corn.
- 9626 KRUPP, G. Expense and costs of soil tillage and cultivation in the agriculture of the DDR. (Ge) Feldwirtschaft 7(6):313-314. June 1966. 18 W763
- 9627 KUNZE, A., and SCHRODER, O. DDR—member of the World Ploughing Organisation. (Ge) Feldwirtschaft 7(2):90-93. Feb. 1966. 18 W763
- 9628 KUNZE, A., and HERZOG, R. Technology and farming use of stubble tillage. (Ge) Feldwirtschaft 7(6):315-318. June 1966. 18 W763
- 9629 MANOUTSCHER MONCHI-NOURI. Bodenbearbeitung in Ariden Gebieten [Soil tillage in arid districts]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 30, 116 p. 1964. 105.8 B644
Bibliography, p.93-114.
- 9630 MONTANER ESTEVE, J. Dry or irrigated farming. (Sp) Cult. Mod. 49(6):309-310. Aug. 1966. 15 C89
- 9631 NYEKI, J. Tillage work in the fall. (Hu) Magyar Mezőgazdaság 21(35):8. Aug. 31, 1966. 19 M27
- 9632 OLESEN, J. Fall tillage and crop rotation problems. (Da) Tolvmandsbladet 38(9):490-494. Sept. 1966. 11 T58
- 9633 P'YANYKH, M. M. Effektivnost' chist'nykh i zanyatykh parov [Effectiveness of uncultivated and occupied fallows]. Moskva, Kolos, 1966. 104 p. Ref. S573.P5
- 9634 SACHL, J. Summer cultural practices of hops affect substantially yields. (Cz) Chmelarstvi 39(6):82-83. June 25, 1966. 70.8 C33
Chiefly tillage and weed control.
- 9635 SACK, H. Concerning the causes of soil solidification in the bottom of the plow furrow and its prevention. 10 p. Transl. 16052
Translation from Grundlagen der Landtechnik, No. 15. 1963.
- 9636 SHIMOKAWA, H., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VI. The variations of soil properties and growth of rice in enlarged field where arable land improvements were made. 3 p. Transl. 16173
In relation to tillage methods.
Translation from Kyushu Agricultural Research, No. 27. July 1965.
- 9637 ALEKSEEVSKII, E. E. Large-scale development of land improvement to obtain high and stable yields of grain and other agricultural crops. 25 p. (JPRS 35,878; TT 66-32312) Transl. 16028
Chiefly by drainage and irrigation.
Translation from Izvestiya May 28, 1966:3-5. CFSTI: \$2.00.
- 9638 ALEKSEEVSKII, E. E. Wide development of land reclamation to insure high and stable yields of cereals and other crops. (Rus) Gidrotekh. Melior. 7:20-39. June 1966. 290.8 G362
Policies.
- 9639 ALLEN, R. R., USSERY, L. R., and TAYLOR, B. M. Water table depth and ground water salinity in the nonirrigated area of the Lower Rio Grande Valley of Texas. U. S. Agr. Res. Serv. ARS-41-115, 21 p., map. Ref. June 1966. A56.9 R31
Texas Agricultural Experiment Station, co-operating.
- 9640 AMSON, F. W. VAN, and HASSELBACH, O. E. A mole drainage experiment on old rice land. (Du) Surinaamse Landbouw 14(1/2):12-24. 1966. 9.6 B47
English summary.
- 9641 ANDRONICESCU, D. The effective irrigation as a basic factor in increasing and improvement of the production of vegetables. (Rum) Gradina, Via Livada 15(5):12-18. May 1966. 80 G75
- 9642 ASSEED, M., and KIRKHAM, D. Depth of barrier and water table fall in a tile drainage model. Soil Sci. Soc. Amer. Proc. 30(3):292-298. May/June 1966. 56.9 S03
- 9643 AVAKYAN, A. B. Problems of complex utilization of water reservoirs. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 4:54-63. July/Aug. 1966. 331.9 A42
Includes use for irrigation.
- 9644 AVER'ANOV, S. F., and SURIKOVA, T. I. Main principles of drainage designing on irrigated lands. (Rus) Gidrotekh. Melior. 8:10-17. Ref. Aug. 1966. 290.8 G362
Statistical methods used.
- 9645 BASS, S. V., GRIN, A. M., and NAZAROV, G. V. Once more on the calculation of changes of river runoff as affected by agriculture. (Rus) Meteorol. Gidrol. 8:47-50. Aug. 1965. 345 M56
- 9646 BATTELLE MEMORIAL INSTITUTE. Bibliography of socio-economic aspects of water resources, by H. R. Hamilton, D. H. Owens, T. E. Carroll, A. R. Glenn, and B. A. Gilmour. Washington, U. S. Department of the Interior, Office of Water Resources Research, 1966. 453 p. Z7935.B3
Contract No. 14-01-0001-822.
- 9647 BLANK, H. R., KNISEL, W. C., and BAIRD, R. W. Geology and groundwater studies in part of the Edwards Plateau of Texas, including Sutton and adjacent counties. U. S. Agr. Res. Serv. ARS-41-103, 40 p., map. Ref. Apr. 1966. A56.9 R31
Texas Agricultural Experiment Station, and Texas Engineering Experiment Station, cooperating.
- 9648 BORA, I. A contribution to the study of irrigation of sugar beets in the west plain of Romania. (Rum) Probl. Agr. [Bucharest] 18(6):14-25. June 1966. 21 R662
English summary.
- 9649 BRANKENHOF, D. L. Automated system for analysis of runoff hydrographs. U. S. Agr. Res. Serv. ARS-41-120, 16 p. Mar. 1966. A56.9 R31
- 9650 BUDAPEST. VIZGAZDALKODASI TUDOMANYOS KUTATÓ INTÉZET. Beszámoló az Intézet 1963 évi munkájáról [Report on the activities of the Research Institute for Water Resources in 1963]. Budapest, 1966. 360 p., map. Ref. 292.9 B85
Content page in English.
- 9651 BUKAVETSKAS, A. K. Mole drainage in peat soils. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:26-34. July 1966. 20 V633
English summary.
- 9652 CAMPBELL, J. A. The value of supplemental irrigation with certain vegetable crops for processing. Miss. Agr. Exp. Sta. Inform. Sheet 928, 1 p. Apr. 1966. 100 M69In
- 9653 CANT, R. R. Review and assessment of present knowledge. Water Res. Found. Australia. Rep. 21:47-53. 1965. 292.9 W296R
Irrigation in Australia.

Drainage, Irrigation, Water Supply, and Flood Control

- 9654 CHANG, K. C. Improvement of sandy, salt-flat, and flooded lands of the basin of the River Hsiaohe by the method of drainage and irrigation. (Ch) Liao-ning Nung Yeh K'o Hsueh 4:11-14. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:20-21. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 24.65 Un3
Issued by CFSTI.
- 9655 CHAYANOV, S. K. 50 years' experience in the semidesert zone. 19 p. (TT 65-50125)
Transl. 16107
Results of reclamation of virgin lands.
Translation from Akademiya Nauk SSSR, Seriya Biologicheskaya. Izvestiya 5:698-713. 1959. CFSTI: \$1.00.
- 9656 CHELYUKANOV, M. D. Plastic pipes in irrigation of cotton. (Rus) In Materialy po Proizvodit, Silam Uzbekistana 1964:367-376. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 15:28. Aug. 1965. Film S-202
- 9657 CIOROIANU, F. Technical and economic aspects of the overhead and surface irrigation of wheat and corn in the lower basin of Olit River. (Rum) Probl. Agr. [Bucharest] 18(6):26-36. Ref. June 1966. 21 R862
English summary.
Effects on yields.
- 9658 CLEMENT, R. Considerations sur la rentabilite des ouvrages d'irrigation et de la trifurcation des eaux [A contribution to water pricing theory and profitability of irrigation schemes]. Paris. Cent. Rech. Exp. Genie Rural Bull. Tech. Genie Rural 74, 12 p. Oct. 1965. 58.9 P21
English summary.
- 9659 COATS, R. G. W. The planning and establishment of private irrigation areas. Water Res. Found. Australia. Rep. 21:1-8, map. 1965. 292.9 W296R
- 9660 COTECCHIA, V., and PIRASTRU, E. On the use of radioactive tracers, activation analysis, and isotopic fractionation techniques in hydrogeology. (Sp) Acqua Agr. Ig. Indus. 44(1):7-19. Ref. Jan./Feb. 1966. 290.8 Ac7
English summary.
Includes study of underground water.
- 9661 COX, J. B. The hydraulic design of fixed sprinkler installations. Water Res. Found. Australia. Rep. 21:9-14. 1965. 292.9 W296R
- 9662 CSERMAK, B., and DOMOKOS, M. Comments on the water balance presented in the water resources development plan. (Hu) Budapest. Vizgazdalkodasi Tud. Kutato Intezet. Beszamolo 1963:264-277, map. 1966. 292.9 B85
Includes agricultural requirements.
- 9663 CSOMA, J., and SZIGYARTO, Z. Efficiency system for evaluating the operation and technical standard of irrigation water distribution networks. (Hu) Budapest. Vizgazdalkodasi Tud. Kutato Intezet. Beszamolo 1963:351-360. 1966. 292.9 B85
- 9664 CULVER, R. The design and assessment of performance of irrigation heads. Water Res. Found. Australia. Rep. 21:15-32. 1965. 292.9 W296R
- 9665 DAMBA, R. A need for more efficient use of irrigation projects. U. S. Joint Publ. Res. Serv. Transl. Mongolia 117:18-20. Sept. 28, 1966. (JPRS 37,889; TT 66-34317) 173 J663Tmo
Translation from Unen, Apr. 11, 1966:2.
- 9666 DANSKE HEDESELSKAB. Arsbetretning 1965-66 [Annual report of the Danish Heath Society], by Fr. Heick, 1965-66. Hedeselsk. Tidsskr. 37(10):275-314. (Cont.) Aug. 15, 1966. 11 H35
Reclamation.
- 9667 DARLOT, A. Fundamental improvement in drainage and irrigation. (Fr) Ann. Agr. 5:25-27, 29-33. 1965/66. 17 An73
- 9668 DOLCINI, A. J. Ground water resources. Calif. Cattleman 49(3):34-35. Mar. 1966. 43.8 C12
- 9669 DRUZHININ, I. P., and others. Rechnoi stok i geofizicheskie protsessy [Runoff of rivers and the geophysical processes]. Moskva, Nauka, 1966. 295 p., map. Ref. GB685.Z6
Z. P. Konovolenko, V. P. Kukushkina, and N. V. Kham'yanova, joint authors.
- 9670 DUMAS, J., and LOBERT, A. Increased salinity of soils under irrigation in the perimeter of Hendi Zitoun (Tunisia). (Fr) France. Office Rech. Sci. Tech. Outre-Mer. Ch. O.R.S.T.O.M. Pedol. 3(3):223-236. 1965. 56.9 F84
- 9671 DUNKEL, K. H. Effect of different irrigation methods on production rhythm and yields of the mushrooms. (Ge) Champignon 6(53):10-12. Jan. 1966. 80 C352
- 9672 DZEKTSEER, E. S., and IL'IN, N. I. Study of water movement in drained peat soils using radioactive tracers. (Rus) Gidrotekh. Melior. 2:34-38. Feb. 1966. 290.8 G362
Underground waters with radioactive sulfur.
- 9673 EDEN, E. W., and ASCE, F. Planning construction of Four-River Basin Project. Amer. Soc. Civil Eng. 32(193, proc. pap. 4697):1-16, map. Sept. 1966. 290.9 Am3Ps
Drainage.
- 9674 ENGULATOV, I. A., EREMENKO, G. V., and USMANOV, A. On critical depth of underground waters. 22 p. Ref. Transl. 15532
Of agricultural lands.
Translation from Gidrotekhnika i Melioratsiya 7:21-30. July 1964.
- 9675 ERDEI, S. Conditions for economical irrigation. (Hu) Magyar Mezogazdasag 21(31):12-13. Aug. 3, 1966. 19 M27
- 9676 ERDOS, L. Measurement of evaporativity. (Hu) Időjárás 70(3):129-135. Ref. May/June 1966. 340.8 Id5
English summary.
- 9677 FEDERER, C. A. Sustained winter streamflow from groundmelt. U. S. Forest Serv. Res. Note NE-414 p. 1965. A99.9 F7622U
Records on Hubbard Brook watersheds of the Hubbard Brook Experimental Forest in the White Mountains of New Hampshire.
- 9678 FEKETE, I. Up-to-date operation of sprinkler irrigation installations. (Hu) Magyar Mezogazdasag 21(27):15. July 6, 1966. 19 M27
- 9679 FENIN, N. K., GROMOV, V. I., and YASINET-SKII, V. G. Proektirovanie proizvodstva gidromeliorativnykh rabot [Planning in hydraulic engineering and reclamation]. Moskva, Kolos, 1966. 271 p. Ref. TC805.F4
- 9680 FOGLETA, F. A., and ASO, P. J. The quality of irrigation water in the hydrographic system of Tucuman. (Sp) Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman 43(2/3):13-41, map. Ref. May/Dec. 1965. 9 T79
English summary.
- 9681 FOKKENS, B. De landbouwwaterhuishouding in de Noordostpolder, mede in vergelijking met die in andere zeekeelpolders [The agricultural water regime in the Noordostpolder, also as compared with the regimes in other marine clay polders]. Van Zee Land 44, 20 p., map. 1966. 54.8 V26
English summary.
- 9682 FORKEL, H., and SCHIRACH. Economic considerations on irrigation of socialist farms. (Ge) Feldwirtschaft 7(7):366-368. July 1966. 18 W763
Costs and returns.
- 9683 GALBREATH, P. M. Maryland water law; water laws and legal principles affecting the use of water in Maryland. College Park, Water Resources Study Committee, University of Maryland, 1965. 87 p. HD1694.M3G3
- 9684 GATUS, E. L., and FLESTADO, C. G. Determination of conveyance and delivery losses of water in irrigation canals in the Central Luzon State University. Sugar News [Manila] 42(6): 299-300. June 1966. 65.8 Su36
- 9685 GHERESCU, N. The economic effect of the irrigation of chief field crops in state farms of the Arad region. (Rum) Rev. Gosp. Agr. Stat 18(7):9-11. July 1966. 21 R32

- 9686 GLEBOV, P. D., and DEMENTYEV, V. B. Perspectives for development of subsurface irrigation. (Rus) *Gidrotekh. Melior.* 8:18-24. Aug. 1966. 290.8 G362
- 9687 GREENLEE, R. Prospecting for hidden water in Brazil. *Brazil. Bus.* 46(5):24-25. May 1966. 286.8 B732
Includes use of underground water for irrigation.
- 9688 GUMBATOV, R. K. Solidity of beds of open deep drains and the salinization of irrigated lands. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:14-17. July 1966. 20 V633
English summary.
- 9689 GUZMAN CORTES, C. Determinacion del coeficiente "K" regional para el calculo del uso consuntivo del frijol negro criollo en los distritos de riego del Estado de Veracruz [Determination of the regional "K" coefficient for the estimation of the consumptive use of native black beans in the irrigation districts of the State of Veracruz]. *Mex. Dir. Gen. Dist. Riego. Mem. Tec.* 236, 18 p. Aug. 1966. 292.9 M572
For use in estimating irrigation water requirements.
- 9690 HAJDU, M. Irrigation of potato. (Hu) *Magyar Mezőgazdasag* 21(26):15. June 29, 1966. 19 M27
- 9691 HAJDU, M. Irrigational production of stubble potato in the Nyirseg. (Hu) *Magyar Mezőgazdasag* 21(27):14. July 6, 1966. 19 M27
- 9692 HALDERMAN, A. D. Sugar beets: irrigation. *Ariz. Univ. Ext. Folder* 113, 6 p., folder. Jan. 1966. 275.29 Ar42Ext
- 9693 HANAYAMA, Y. Reconsideration to estimating method of water requirement of paddy field area. 20 p. *Transl.* 16016
Translation from Japan. *Agricultural Engineering Society. Journal* 32(1):15-23. July 1964.
- 9694 HE, W. C. On some problems of field irrigation in the river valleys of the Shigatze-G'yangtze region in Tibet. (Ch) *Zhongguo Nongye Kexue* 7:34-38. 1964. 22.5 N928
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 37:13. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.
- 9695 HOFMANN, G. On the beginnings of land improvement in Bohemia. (Cz) *Agrikultura* 4: 115-120. Ref. 1965. 19.5 Ag8
German summary.
- 9696 HUANG, Y. L., and T'EN, K. Field irrigation systems in Chungshan Hsien (County), Kwangtung Province. (Ch) *Di Li* 6:250-254. 1964. 331.8 T43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 37:25-26. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.
- 9697 IBRAGIMOV, G. A. Effects of irrigation with water containing minerals on soil and cotton yields. (Rus) In *Vliyaniye ovescheniya na vtorich. zasolen. khim. sostav i rezhim podzem. vod.* 1964:182-186. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:27-28. Aug. 1965. Film S-202
- 9698 IGNATENOK, F. V. Zakrytyi drenazh pochv [The under-ground soil drainage]. Moskva, Kolos, 1965. 199 p. Ref. TC978,U4135
- 9699 IGRUTINOVIC, D. Methodology of hydrogeological research for reclamation purposes. Belg. *Jaroslav Cerni Inst. Develop. Water Resources. Trans.* 12(35):25-40, map. Ref. 1965. 290.9 B41Se
- 9700 IGRUTINOVIC, D. Studies of underground water for the irrigation of reclamation land. (Se) Belg. *Inst. Vodoprivredu* [Jaroslav Cerni.] *Saopstenja* 12(35):21-36. Ref. Nov. 1965. 290.9 B41S
English summary.
- 9701 INTERNATIONAL INSTITUTE FOR LAND RECLAMATION AND IMPROVEMENT. *Annual report*, 1965. Wageningen, 1966. 63 p., map. 54.9 In8A
- 9702 IRRIGATION, ENGINEERING AND MAINTENANCE. 1966 directory and buyers guide number. *Irrig. Eng. Maintenance* 16(5), 86 p. Aug./Sept. 1966. 55.8 Ir722
- 9703 ISRAELSEN, O. W., and SMITH, J. B., ed. Irrigation and drainage practices, progress, and problems in the Philippines, Thailand, and West Pakistan. Bangkok, SEATO Graduate School of Engineering, 1965. 278 p. Ref. S616.A818
- 9704 JONES, I. E. The Optokli flood of 11th March, 1964. *Soil Water* 2(4):17-19. June 1966. 56.8 So323
- 9705 JUTTNER, Reclamation measures in the Gartz district. (Ge) *Feldwirtschaft* 7(7):361-362. July 1966. 18 W763
- 9706 KABINA, P. A contribution to the development of mole drainage. (Cz) *Agrikultura* 4:117-114. Ref. 1965. 19.5 Ag8
German summary.
- 9707 KAMATH, K. V. S. Irrigation in Maharashtra State. Maharashtra. *Bur. Econ. Statist. Quart. Bull. Econ. Statist.* 5(4):17-49. Jan./Mar. 1965. 269.54 M27
Includes statistics.
- 9708 KAMYSHEV, L. A., and IVANOV, E. I. Automatic control with help of optical light beam over movement of excavation machines along given slope. (Rus) *Gidrotekh. Melior.* 8:55-59. Aug. 1966. 290.8 G362
- 9709 KEON, M. Tales of South Korea; two stories of grassroots self-help. *Freedom Hunger* 7(44):20-27. Sept./Oct. 1966. 389.8 F872
Reclamation and rural development.
- 9710 KHAMADOV, I. B., and GARTUNG, A. A. Automatic gates regulating constant discharges at outlets on irrigation canals. (Rus) *Gidrotekh. Melior* 8:24-32. Ref. Aug. 1966. 290.8 G362
- 9711 KORSHUNOV, M. A., and KAZAKOVA, S. M. Effect of irrigation on moisture regime in dark Grey Forest soil and its fertility. (Rus) In *Okultirivanie i rats. ispol'z. pochv. i udobreni* 1964:98-103. Not in Libr.
Wheat.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:15. Aug. 1965. Film S-202
- 9712 KRUPSKYI, M. K., DEMYDIENKO, O. YA., and IVASHINA, A. D. Duration of positive action of salt used as measure to prevent water infiltration on irrigation canals in the southern Ukraine. (Uk) *Visnyk Sil'skohospodar. Nauk.* 6:76-80. June 1965. 20 V82
Russian summary.
- 9713 KULIEV, F. A. Effectiveness of low-volume water sprinkling of tea plantations. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 2:139-148. Ref. 1965. 68.19 M28
English summary.
- 9714 KUZNETSOV, S. P., and BASHKIN, E. L. What effect of irrigation does the Far East need? (Rus) *Gidrotekh. Melior.* 8:33-36. Aug. 1966. 290.8 G362
- 9715 LAMBERT, K. H. Water storage for irrigation. Great Brit. *Min. Agr. Fish. Food. Agr.* 73(7):322-325. July 1966. 10 G79J
- 9716 LEONAR, F. Seventy years of the Land Improvement School (Melioracna skola) at Kosice. (Cz) *Agrikultura* 4:161-168. 1965. 19.5 Ag8
German summary.
- 9717 LIU, H. P. Changes in saline soils of the Yinch'uan Plain in the Ninghsia-Huei Autonomous Chu and experience in reclaiming them. (Ch) *Zhongguo Nongbao* 7:12-14. 1964. 22.5 C473
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Earth Sci.* 37:48-49. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.
- 9718 MADRAS. PUBLIC WORKS DEPT. Administration report for the year 1961-62. Part II-A. Irrigation. Madras, 1966. 24 p., map. 53.9 In262
- 9719 MARKOV, G. On the method of determining irrigation water needs in Bulgaria. (Bu) *Sel'skospopanska Nauk.* 4(3):45-54. Ref. 1965. 21 Se492

- 9720 MICKELSON, R. H. Level pan system for spreading and storing watershed runoff. Soil Sci. Soc. Amer. Proc. 30(3):388-392. May/June 1966. 56.9 So3
- 9721 MINAEVA, E. N. Evaporation of moisture loving vegetation and water balance of the Murgab River Basin. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:41-49. Ref. Jan./Feb. 1966. 331.9 Ak12
Evaporation control.
- 9722 MINORANSKII, V. A. Irrigation and the animal kingdom. (Rus) Priroda [Moscow] 9:3-9. 1966. 410 P933
- 9723 MIRALLES CAPUZ, C. Variation on sanding as process for the recovery of salty soils. (Sp) Agricultura [Madrid] 35(412):434-436. Aug. 1966. 15 Ag84
- 9724 MOKROVA, M. T. Results of the study on corn irrigation. (Rus) Volgogradsk. Opytno-Melior. Sb. Tr. 2:34-47. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:21. Aug. 1965. Film S-202
- 9725 MOROZOV, V., and YALOSHINSKAYA, V. Machinery for swamp reclamation. (Rus) Tekh. Sel'skom Khoz. 8:36-40. Aug. 1966. 58.8 M11
- 9726 MULLER, H. Problems in development of reclamation cooperatives in the Potsdam district. (Ge) Feldwirtschaft 7(5):249-251. May 1966. 18 W763
- 9727 NAZAROV, G. Changes in the river runoff of Ukraine under the influence of agriculture. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:82-88. Ref. Jan./Feb. 1966. 331.9 Ak12
Chiefly effects of plowing.
- 9728 NIGGEMANN, J. Vacation-watering of pot and balcony plants in peat substrate. (Ge) Torfnachrichten 17(1/2):3-4. Jan./Feb. 1966. 57.8 T632
- 9729 OKLAHOMA, AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966. Oklahoma Irrigation Research Station, Altus, Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-548, 29 p. Oct. 1966. 100 Ok4M
- 9730 OKULOVA, S. Impulsive sprinkling and its future. (Rus) Tekh. Sel'skom Khoz. 8:33-36. Aug. 1966. 58.8 M11
- 9731 PANDEY, H. N., and HAQUE, E. Response of irrigation and fertilizer on wheat. Indian J. Agron. 10(4):413-419. Dec. 1965. 22 In235
- 9732 PARSHIN, V. N. Territorial general method of runoff forecasting—the basis of agricultural hydrological service. (Rus) Meteorol. Gidrol. 12:3-10. Dec. 1965. 345 M56
- 9733 PATUELLI, C. Organization in agriculture; development prospects of the agricultural economy of the Sienna Chiana Valley in relation to reclamation, irrigation, and land transformation planning. (It) Agr. Italia 12(4):17-33. Apr. 1966. 16 Ag8232
- 9734 PEREZ ESCOLAR, R. Reclamation of a saline-sodic soil by use of molasses and distillery slops. P. R. Univ. J. Agr. 50(3):209-217. July 1966. 8 P832J
- 9735 PETROV, E. G., and PREOBRAZHENSKAYA, V. Water and salt regime in cotton soils caused by overhead irrigation. (Rus) In Vliyaniye Orosheniya na Vtorichn. Zasoleniye, Khim. Sostav i Rezhim Podzemn. Vod 1964:171-178. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 15:28. Aug. 1965. Film S-202
- 9736 PINTO, R. W. C. Israel: curso internacional de rega [Israel: international irrigation course]. Port. Junta Invest. Ultramar Estud. Ensaios Doc. 116, 79 p., map. Ref. 1965. 330.9 P83
English summary.
- 9737 POPESCU, B. Achievements and perspectives in land improvement and water control. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 468:15-20. Aug. 22, 1966. (JPRS 37,145; TT 66-33574) 173 J663S3
Irrigation in Rumania.
Translation from Agricultura Socialista 4(28): 1,4. July 14, 1966.
Issued by CFSTI.
- 9738 POPESCU, B. Land improvement to increase agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 473:15-19. Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663Stc
Irrigation policies in Rumania.
Translation from Romania Libera, July 13, 1966:1,3.
Issued by CFSTI.
- 9739 QASHU, H. K., RENARD, K. G., and WAL-LACE, D. E. To measure trickle outflow. Agr. Eng. 47(9):484-485. Sept. 1966. 58.8 Ag83
For runoff measurement, chiefly.
- 9740 RAO, N. R. Land reclamation in North Kanara. In Rao, N. R., ed. Land utilization & agriculture in North Kanara District, p. 60-65. 1965. S471.14K3
- 9741 REEVE, R. C., and DOERING, E. J. The high-salt-water dilution method for reclaiming sodic soils. Soil Sci. Soc. Amer. Proc. 30(4):498-504. Ref. July/Aug. 1966. 56.9 So3
- 9742 REGNATO, R. J., and MYERS, L. E. Repair of cracks in concrete channel linings. U. S. Agr. Res. Serv. ARS-41-121, 8 p. June 1966. A56.9 R31
- 9743 REPLOGLE, J. A., MYERS, L. E., and BRUST, K. J. Evaluation of pipe elbows as flow meters. Amer. Soc. Civil Eng. J. 92(IR3, proc. pap. 4888): 17-34. Ref. Sept. 1966. 290.9 Am3Ps
- 9744 SACHL, J., KOPECKY, J., and SLANSKY, J. Operation of sp-rinkling system of hops. (Cz) Chmelarstvi 35(2):20-21. Feb. 20, 1966. 70.8 C33
- 9745 SAMPLE, L. E. Good management conserves vital resources. Tex. Livestock J. 25(6):7. June 15, 1966. 49 T29
In relation to irrigation water management, in Texas.
- 9746 SARIC, A., and MIHATOVIC, M. Damages from floods and investments in the flood control objects in the FR Bosnia and Herzegovina. (Se) Poljoprivredni Pregl. 14(11/12):469-473. Nov./Dec. 1965. 21.5 P753
- 9747 SCHINKE, H. The mechanical equipping of reclamation cooperatives. (Ge) Feldwirtschaft 7(7):363-365. July 1966. 18 W763
Drainage equipment.
- 9748 SCHONNOPP, G. Sprinkling with little work expense. (Ge) Landtechnik 21(14):521-523. June 15, 1966. 58.8 L235
Equipment.
- 9749 SCHWARZ, K., and ROCHLITZER, J. Probleme der Bewässerung in der Deutschen Demokratischen Republik [Problems of irrigation in the German Democratic Republic]. Deut. Akad. Landwirtschaftswiss. Sitzungsber. 14 (11), 51 p. 1965. 18 D4825
English summary.
- 9750 SCHWARZACHER, W. Sedimentation in subsiding basins. Nature [London] 210(5043):1349-1350. June 25, 1966. 472 N21
- 9751 SHILEIKA, S. Application of plastics in drainage in Lithuania. (Rus) Gidrotekh. Melior. 8: 46-52. Aug. 1966. 290.8 G362
- 9752 SHKINKIS, TS. N. The optimal diameter of drying drains. (Rus) Vestnik Sel'skikh Khoz. Nauk [Moscow] 7:18-25. Ref. July 1966. 20 V633
English summary.
- 9753 SHREDER, V. R., SAFONOV, V. F., and PARENCHIK, R. I. Measurement of irrigation regimes. (Rus) Gidrotekh. Melior. 8:1-9, map. Aug. 1966. 290.8 G362
Field crops.
- 9754 SIMEONOV, D., and TANOV, E. Desalinization of Solonchak soils in the Kara-Bogaz lowland. (Bu) Rasteniyevodni Nauk. 2(6):69-81, map. 1965. 64.8 R18
English summary.
- 9755 SISSON, D. R. A summary of Indiana drainage laws. Purdue Univ. Ext. Ext. Circ. 538, 16 p. Sept. 1965. 275.29 In2E
- 9756 SKRYPNYK, O. Underground irrigation of peaty mineral soils. (Uk) Visnyk Sil'skoho-spodar. Nauk. 6:30-38. June 1965. 20 V82
Russian summary.
- 9757 SOLOPOV, S. G., and others. Drainage with plastic perforated pipes. (Rus) Gidrotekh. Melior. 8:40-45. Aug. 1966. 290.8 G362
N. V. Bulaevskii, M. D. Nikulin, and L. F. Korovitsin, joint authors.

- 9759 SOUTHERN RHODESIA. MINISTRY OF WATER DEPT. Report, 1965. Salisbury, 1966. 44 p. 55.9 R34
Includes irrigation projects.
- 9759 SPIEGLER, K. S., ed. Principles of desalination. New York, Acad. Press, 1966. 566 p. Ref. TD479.86
- 9760 STENE, J. Spray irrigation. (No) Norsk Hagetid. 82(9):196, Sept. 1966. 80 N81
- 9761 STEPANESCU, E., COLIBAS, M., and COLIBAS, I. Characteristics of the underground and surface phreatic waters from the Mures-Crisul Repede zone in the west plain regarding their use for irrigation. (Rum) Probl. Agr. [Bucharest] 17(5):28-39, May 1966. 21 R862
English summary.
- 9762 SYMPOSIUM ON PRIVATE IRRIGATION AREAS, SOUTH AUSTRALIAN INSTITUTE OF TECHNOLOGY, 1964. The irrigation of private horticultural areas on the River Murray, a one day symposium. Water Res. Found. Australia. Rep. 21,71 p., map. 1965. 292.9 W296R
- 9763 SZEDELLEDY, MRS. L., and VERMES, L. Results of studies and experiments on sewage irrigation in 1963. (Hu) Budapest, Vizgazdakodasi Tud. Kutato Intezet, Beszamolo 1963:238-258, 1966. 292.9 B85
- 9764 T'AN, H. C. The use of city sewage for irrigation. (Ch) Chung-kuo Nung Pao 7:30-33, 1964. 22.5 C473
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:5, Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.
- 9765 TILL, M. R. A bibliography on soils, geology, irrigation, and drainage of the Mid and Lower River Murray areas of N.S.W., Victoria, and South Australia where horticultural crops may be irrigated. Water Res. Found. Australia. Rep. 21:61-71. 1965. 292.9 W296R
- 9766 TILL, M. R. The irrigation management of private irrigation areas. Water Res. Found. Australia. Rep. 21:33-39. 1965. 292.9 W296R
- 9767 TOMBERG, U. H. Optimum depth of drain placing when draining swamps. (Rus) Gidrotekh. Melior. 8:37-39, Aug. 1966. 290.8 G362
- 9768 TORFS, J. How to judge irrigation pumps? (Fl) Tuinbouwberichten 30(7):252-253, July 1966. 80 T817
- 9769 TRIOLA, P. DE LA. Overhead irrigation. (Sp) Cult. Mod. 49(6):229-230. June 1966. 15 C89
- 9770 TURCK, G. Irrigation and its management. S. Afr. Sugar J. 50(6):560-561. June 1966. 65.8 S08
- 9771 U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Agricultural development of specific irrigation projects in Tunisia. Washington, 1966. 45 p., map. Ref. aHD1741 T845
Prepared for U. S. Department of State, Agency for International Development.
- 9772 U. S. TENNESSEE VALLEY AUTHORITY. Cooperative research project in western North Carolina; annual report for water year, 1964-1965. Knoxville, 1966. 31 p., map. 173.2 T25Ann
North Carolina State University, cooperating. Includes study of runoff, soil moisture, and watershed management.
- 9773 VAGAS, I. Water balance studies at the irrigation development of Izsak fed from groundwater wells. (Hu) Budapest, Vizgazdakodasi Tud. Kutato Intezet, Beszamolo 1963:181-194. 1966. 292.9 B85
- 9774 WAGENINGEN, INSTITUUT VOOR CULTUUR-TECHNIEK EN WATERHUISHOUDING. Jaarverslag [Annual report of the Institute for Land and Water Management Research], 1965. Wageningen, Inst. Cultuurt. Waterhuishouding, Mededel. 90, 99 p., map. Ref. 1965. 282.9 W12
- 9775 WHITE, J. W. Costs cut for potted plants with automatic system for irrigating and fertilizing. Sci. Farmer [Penn. Sta.] 13(4):11. Summer 1966. 100 P381S
Chrysanthemum.

- 9776 WOHLRAB, B. Auswirkungen Wasser- und bergbaulicher Eingriffe auf die Landeskultur; Untersuchungen zu ihrer Klarung und zur ihren Ausgleich [Effects of water and mining on reclamation; research on their clarification and adjustment]. Giessen, Justus-Liebig-Universität. Landwirt. Fak. [Diss.] 4,200 p. 1965. 105.8 G36
Bibliography, p.181-200.
- 9777 WURZEL, P., and WARD, P. R. B. Measurement with radio-active isotopes of groundwater flow direction in a single borehole. Rhodesia Zambia Malawi J. Agr. Res. 3(2):87-93, July 1965. 24 R3472
- 9778 YANG, L. P. Evaluation of resources for irrigation in Sinkiang. (Ch) Di Li 6:246-249. 1964. 331.8 T43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:30-31. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.

Erosion and Erosion Control

- 9779 ALFOLDI, I. Determination of the optimum amount of technical constructions interrupting superficial runoff in arable land. (Hu) Agro-kem. Talajtan 15(2):309-326. June 1966. 385 Ag83
English summary.
Statistical method.
- 9780 ARSOV, K. Methods for control of soil erosion in tobacco growing regions during autumn-winter period. (Bu) Bulg. Tyutyun 11:24-26. 1965. 69.8 B872
- 9781 ARSOV, K. Terracing as effective method for control of soil erosion. (Bu) Bulgarski Tyutyun 4:26-29. 1965. 69.8 B872
- 9782 BARR, D. A. Jute-mesh dune forming fences. New S. Wales. Soil Conserv. Serv. J. 22(3):123-129. July 1966. 56.9 N472
- 9783 BERRIOS, A. T. Soil and water conservation districts of Puerto Rico. (Sp) Puerto Rico. Univ. Ext. Folleto A-55,6 p.-folder. Jan. 1966. 275.29 P96A
- 9784 BIOLCHEV, A., and DIMITROV, S. Anti-erosion effect of the various methods of post-sowing cultivation of potatoes, grown on slopes. (Bu) Rastenievudni Nauk. 2(2):149-155. 1965. 64.8 R18
English summary.
- 9785 BISAL, F., and HSIEH, J. Influence of moisture on erodibility of soil by wind. Soil Sci. 102(3):143-146. Sept. 1966. 56.8 S03
- 9786 BODOLAY, MRS. I. The role of soil cultivation in the appearance of wind erosion. (Hu) Agro-kem. Talajtan 15(2):183-198. Ref. June 1966. 385 Ag83
English summary.
Chiefly of tillage.
- 9787 BOOTH, I. C., and LEET, N. T. Technical notes on surveying and mapping. VIII. Estimation of volume in walls of gully control structures. New S. Wales. Soil Conserv. Serv. J. 22(2):77-85. Apr. 1966. 56.9 N472
- 9788 CHAO, C. P., and others. A study on gully erosion of the granite area in Hotian, Fukien. (Ch) Acta Geogr. Sinica 31(3):254-263. Sept. 1965. 331.8 T45
Y. K. Wu, W. Y. Ts'ai, and Y. J. Ch'en, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 28:10. Mar. 9, 1966. (JPRS 34,474; TT 66-30914) 241.65 Un3
Issued by CFSTI.
- 9789 CHRISTOI, R. Erosion's measure in Upper Volta. (Fr) Oleagineux 21(8/9):531-534. Aug./Sept. 1966. 77.8 OL2
English summary, p. XLV.
- 9790 DEMSHIN, YA. YA. Occurrence of deflation and dust storms in winter time. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 4:41-44. July/Aug. 1966. 331.9 Ak12

- 9791 DEZSO, MRS. I., and GABRIEL, A. Examination of runoff from the aspect of soil conservation in the mountainous region of Siklos-Vilany, II. (Hu) Agrokem. Talajtan 15(2):299-308. June 1966. 385 Ag83
English summary.
- 9792 DOLGILEVICH, M. I. Dust storms in the Ukraine. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 1:34-40, map. Jan./Feb. 1966. 331.9 Ak12
- 9793 DUCK, T. The behaviour of some Brown Forest soil types against erosion. (Hu) Agrokem. Talajtan 15(2):263-276. Ref. June 1966. 385 Ag83
English summary.
- 9794 FEKETE, Z., and TOTH, A. Relationship of the degree of erosion to the soil physical factors on forest soil "sol brun lessive" of Kisgorbo. (Hu) Agrokem. Talajtan 15(2):283-298. June 1966. 385 Ag83
English summary.
- 9795 FLECK, B. C. Erosion control at Williamstown R.A.A.F. base. New S. Wales. Soil Conserv. Serv. J. 22(2):69-76. Apr. 1966. 56.9 N472
- 9796 GAL, J. Protection from wind erosion by shelter belts. (Hu) Agrokem. Talajtan 15(2):199-214, map. Ref. June 1966. 385 Ag83
English summary.
- 9797 GAVRILENKO, L. N., and KISLITSYN, A. S. The ground stereoscopic surveys and the study of the linear erosion. (Rus) Vestnik Sel'skokhoz. Nauk, [Moscow] 7:108-111. July 1966. 20 V633
English summary.
- 9798 HORVATH, V. Soil conservation relationships in the Territorial Water Regime Framework Plans [Orszagos Teruleti Vizgazdakodasi Kereterv]. (Hu) Agrokem. Talajtan 15(2):339-352. June 1966. 385 Ag83
English summary.
- 9799 JACOBSON, P. Remaking the surface of the earth to fit man's needs. Agr. Eng. 47(8):428-429, 440. Aug. 1966. 58.8 Ag83
Soil erosion control.
- 9800 JONES, R. M. Scald reclamation studies in the Hay district. I. Natural reclamation scalds. New S. Wales. Soil Conserv. Serv. J. 22(3):147-160, map. Ref. July 1966. 56.9 N472
By planting.
- 9801 KAŽO, B. Soil investigation methods on eroded soils. (Hu) Agrokem. Talajtan 15(2):389-391. June 1966. 385 Ag83
- 9802 KRAAYENoord, C. W. S. VAN. Poplars in erosion control. Soil Water 2(4):4-7. June 1966. 56.8 So323
- 9803 LIUTI, A. The changing landscape of America. (It) Ital. Agr. 103(9):749-756. Sept. 1966. 16 It1
Photographs showing field changes resulting from soil conservation procedures.
- 9804 LOGAN, J. M. Two simple rain-gauges for use in soil conservation research. New S. Wales. Soil Conserv. Serv. J. 22(3):130-137. July 1966. 56.9 N472
- 9805 MATTHEE, J. F. LA G. Prevention is cheaper than cure. Farming S. Afr. 42(4):13, 15. July 1966. 24 So842
Soil erosion control.
- 9806 NATIONAL ASSOCIATION OF SOIL AND WATER CONSERVATION DISTRICTS. Proceedings of the 20th annual convention, New Orleans, Louisiana, February 6-10, 1966. League City, 1966. 124 p. 56.9 N212A
- 9807 NEW ZEALAND. SOIL CONSERVATION AND RIVERS CONTROL COUNCIL. Report for the year ended 31 March 1966. Wellington, 1966. 32 p., map. 56.9 N49A
- 9808 OU, Y. H. On the arrangement of fields in Chao-Kuang Land Reclamation District. (Ch) Tung-pei Nung Yeh Yuan Hsueh Pao 3:67-77. Sept. 1965. Not in Libr.
Soil and water conservation.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Absr. Bot. Med. Sci. 47:80. Mar. 2, 1966. [JPRS 34,362; TT 66-30802] 241.7 Un34C
Issued by CFSTI.
- 9809 REYNOLDS, W. Contour furrows in the Singleton district. New S. Wales. Soil Conserv. Serv. J. 22(2):95-101. Apr. 1966. 56.9 N472
- 9810 ROMERO MARTINEZ, J. M. Recursos naturales renovables; introducción al estudio de los recursos naturales [Renewable natural resources; introduction to the study of natural resources]. Bogota, Aedita, 1966. 112 p. Ref. S936.R6
Chiefly soil conservation.
- 9811 SENKEVICH, B. N. Experimental investigation of wind erosion of sands. 10 p. (TT 65-50030) Transl. 16144
In wind tunnels.
Translation from Akademiya Nauk Turkmen-skoi SSR. Izvestiya. Seriya Biologicheskikh Nauk 1:21-30. 1962.
CFSTI: \$1.00.
- 9812 SKIDMORE, E. L., NOSSAMAN, N. L., and WOODRUFF, N. P. Wind erosion as influenced by row spacing, row direction, and grain sorghum population. Soil Sci. Soc. Amer. Proc. 30(4):505-509. Ref. July/Aug. 1966. 56.9 So3
- 9813 SMITH, H. N. The SCS [Soil Conservation Service] story changing concept in conservation. Tex. Agr. Progr. 12(3):21-23. Summer 1966. 100 T31Te
- 9814 SNEESBY, N. J. Erosion control on the black fens. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):391-394. Aug. 1966. 10 G79J
By planting.
- 9815 SPIRESCU, M. Erosion, sedimentation and soil formation. (Rum) Stiint. Solulul 3(3):302-310. 1965. 1965. 56.8 St5
English summary.
- 9816 STANLEY, D. J., KRINITZSKY, E. L., and COMPTON, J. R. Mississippi River bank failure. Fort Jackson, Louisiana. Geol. Soc. Amer. Bull. 77(8):859-866, map. Aug. 1966. 403 G29
- 9817 STEFANOVITS, P. Pedological foundation of soil conservation plans. (Hu) Agrokem. Talajtan 15(2):215-228, map. Ref. June 1966. 385 Ag83
English summary.
Includes permeability and water regime studies.
- 9818 TAMHANE, R. V. Social and economic aspects of soil and water conservation. Indian J. Agr. Econ. 21(2):67-70. Apr./June 1966. 281.8 In2
- 9819 TURNBULL, W. J., KRINITZSKY, L., and WEAVER, F. J. Bank erosion in soils of the lower Mississippi Valley. Amer. Soc. Civil Eng. J. 92(SM1, proc. pap. 4632):121-136, map. Jan. 1966. 290.9 Am3Ps
- 9820 UPPER WEST FORK SOIL AND WATER CONSERVATION DISTRICT. Annual report and conservation needs, 1965. Jacksboro, Tex. 1966. 16 p., map. 56.9 Up6
- 9821 VIA COLL, J. Control of erosion in Spain. (Sp) Cult. Mod. 49(6):223-224. June 1966. 15 C89

Sanitation

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 9824 ALEKSANDROVICH, KH. M., and PAVLYUCHENKO, M. M. Kaliynye soli Belorussii, ikh pererabotka i ispol'zovanie [Potassium salts in Belorussia, their processing and usage]. Minsk, Nauka i Tekhnika, 1966. 304 p. Ref. TP245.P8A4
- 9825 HAGIN, J., and AVNIMELECH, Y. Evaluation of phosphate availability in lime material, by-product of phosphate rock separation. Agrokhemika 10(3):244-250. June 1966. 385 Ag84

- 9826 JUDEL, G. K. On the influence of form of magnesium, magnesium content, and particle size on the magnesium effect of ammonium nitrate fertilizers. (Ge) *Agrochimica* 10(3): 202-215. Ref. June 1966. 385 Ag84
English summary.

Fertilizer Technology and Statistics

- 9827 ARMSTRONG, J. H., and PETTIGREW, W. E. Price variation in fertilizer mixtures and materials. *Ind. Agr. Exp. Sta. Res. Bull.* 812, 10 p. July 1966. 100 In2P
- 9828 BARNES, K. K. Controlled-release fertilizer for agriculture. *Impl. Tractor* 81(19):36. Sept. 7, 1966. 58.8 W41
Granular texture.
- 9829 BERCI, GY. Modern packing of mineral fertilizers. (Hu) *Magyar Mezőgazdaság* 21(33): 11. Aug. 17, 1966. 19 M27
- 9830 DEAN, W. P. The value of fertilizer tonnage statistics. *Ass. Southern Feed, Fert. Pesticide Contr. Off. Publ.* 23:32-35. 1965/66, 389, 79 As7
- 9831 GLESSNER, J. 10 reasons why farmers should fertilize now. *Feed Farm Supplier* 40 (10):22. Oct. 1966. 47.8 H28
Includes costs and returns.
- 9832 HARDESTY, J. O. The fertilizer story. *Plant Food Rev.* 12(2):14-15. Summer 1966. 57.8 P694
- 9833 INDIA, COMMITTEE ON FERTILISERS. Report. New Delhi, Dept. Agr., 1965. 204 p. S641.14
Fertilizer requirements and supply.
- 9834 JOSIFKO, J., and others. Trade in commercial fertilizers. (Cz) *Ekon. Zemedelstvi* 5(3): 19-22. Mar. 1966. 281.8 Ek7
P. Javorsky, M. Pesak, and J. Tomajer, joint authors.
Includes prices.
- 9835 MAMARIL, C. P., and SMITH, F. W. Coated fertilizer. I. Leachability of coated and uncoated ammonium nitrate-phosphate fertilizer. *Philippine Agr.* 49(2):114-124. Ref. July 1965. 25 P542
- 9836 MEHTA, N. C. Commercial banks and fertilizer credit. *Fert. News* 11(8):18-19. Aug. 1966. 57.8 F4123
- 9837 MISSISSIPPI, DEPT. OF AGRICULTURE. Fertilizer consumption & analyses, July 1, 1965-June 30, 1966. Jackson, 1966. 55 p., map. 57.9 M69
- 9838 NATCHUK, L. S. Analysis of economic effectiveness of fertilizers. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 8:35-36. Aug. 1966. 30.69 Uc4
Applied on barley and potatoes.
- 9839 PARIKH, A. Rate of return on chemical fertilizers in the Package Programme districts. *Indian J. Agr. Econ.* 21(2):31-46. Apr./June 1966. 281.8 In2
- 9840 RICHARDSON, H. L. The Freedom from Hunger Campaign—five years of the F.A.O. fertilizer programme. *Outlook Agr.* 5(1):3-16. 1966. 10 Ou8

- 9841 STURM, F. Situation and development of nitrogen fertilizing in a worldwide view. (Ge) *Presse-Umschau* 17(7/8):1-7, map. 1966. 19 L237
Production and consumption.
- 9842 WALCOTT, C. D. Problems of the liquid fertilizer manufacturers. *Ass. Southern Feed, Fert. Pesticide Contr. Off. Publ.* 23: 48-50. 1965/66. 389, 79 As7
- 9843 WAY, W. A. More fertilizer for less money. *Vt. Farm Home Sci.* 9(1):16-17, 19. Summer 1966. 100 V593
Bulk blending.

Manures and Composts

- 9844 BORST, N. P., and others. Transfer of manures from agriculture to horticulture. (Du) *Neth. Dir. Landbouw. Landbouwwoorlichting* 23 (2/3):64-69, map. Feb./Mar. 1966. 12 N353M
P. Glas, L. N. Onderwater, and H. Strietman, joint authors.
Economic possibilities of sale of manures for bulb production; includes costs.
- 9845 BOS, L. K. Zuiveringsslib; herkomst en bestemming [Sludge; origin and destination]. *Wageningen. Cent. Landbouwpubl. Landbouwdoc. Literatuuroverz.* 3C, 28 p. Ref. July 1966. 242.7 W12
- 9846 CORPORACION NACIONAL DE FERTILIZANTES (PERU). Memoria [Report], 1964. Lima, 1965? 42 p. 57.9 C73
Chiefly statistics on production, utilization, and exports of guano.
- 9847 DAY, D. L. Liquid hog manure can be deodorized by treatment with chlorine or lime. *Ill. Res.* 8(3):16. Summer 1966. 100 IL64
- 9848 LOU, L. H. The biological activities and indicative beings in high-temperature compost. (Ch) *Shengwuxue Tongbao* 1:16-18. Jan. 1966. 442.8 Sh4
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 52:4. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C
Issued by CFSTI.
- 9849 POELMA, H. R. De biologische afbraak van varkensgiel [The biological decomposition of swine manure]. *Wageningen. Inst. Landbouw-bedrijfsgebouwen. Mededel.* 18, 4 p. May 1966. 49.9 W12
- 9850 STRAUCH, D. Hygiene of removal and utilization of solid city wastes; a summary review. (Ge) *Deut. Tierarztl. Wochenschr.* 73(12):293-294, 297-298. (Cont.) July 15, 1966. 41.8 D482
Chiefly on composting.
- 9851 STRAUCH, D. Hygiene of removal and utilization of solid residential waste: summary review. (Ge) *Deut. Tierarztl. Wochenschr.* 73 (14):350-352. July 15, 1966. 41.8 D482
Composting.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 9852 ALASKA. DEPT. OF NATURAL RESOURCES. DIV. OF AGRICULTURE. Annual report, 1964. Palmer, 1965. 17 p., map. 2 AL124
- 9853 ALASKA. DEPT. OF NATURAL RESOURCES. DIV. OF AGRICULTURE. Annual report, 1965. Palmer, 1966. 25 p., map. 2 AL124
- 9854 ALMANAQUE agricola de El Salvador para el año de 1966 [Agricultural almanac of El Salvador for the year 1966]. San Salvador? 1965. 67 p. 30.3 AL64
- 9855 AMERICAN PHILOSOPHICAL SOCIETY. Year book, 1965. Amer. Phil. Soc. Year Book 1965, 786 p. 1966. 500 P533Y
- 9856 ARIZONA UNIVERSITY. AGRICULTURAL EXTENSION SERV. Kids are busy bodies; protect them from pesticides. Ariz. Univ. Ext. Folder 124.4, p. Apr. 1966. 275.29 Ar42xt
- 9857 ASSOCIATION OF SOUTHERN FEED, FERTILIZER AND PESTICIDE CONTROL OFFICIALS. Official publication. No. 23, 1965-1966. n.p., 1966. 58 p. 389.79 As7
Includes papers presented at the annual meeting.
- 9858 AUERBACH, C. Genetics in the atomic age. Ed. 2. Edinburgh, Oliver and Boyd, 1965. 111 p. QH431.A8
Effects of radiation on genetics.
- 9859 BARDEL, M. The National Park of La Vanoise. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.) 15: 465-467. 1964/65, June 1966. 281.9 Ec7
Resource protection.
- 9860 BERAN, F. The label indicates the method for harmless application of plant protection product. (Ge) Pflanzenarzt 19(4):36-37. Apr. 1, 1966. 464.9 P482
- 9861 BERAN, F. Water protection in plant protection. (Ge) Pflanzenarzt 19(6):72-73. June 1, 1966. 464.9 P482
Water pollution caused by economic poisons.
- 9862 BOROVNIK, V. Pond fish breeding problems in the RSFSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 133:8-12. June 30, 1966. (JPRS 36,271; TT 66-32704) 173 J663Tso
Translation from Planovoe Khozyaistvo 5: 93-95. May 1966.
Issued by CPSTI.
- 9863 BÜHSE, G. Pollution of inland waters and loaded streams as a result of artificial measures. (Ge) Anz. Schädlingkunde 38(12):177-180. Ref. Dec. 1965. 421 An9
Includes toxicity of economic poisons to fish.
- 9864 CHUDNOVSKII, A. F., and others. Kibernetika v sel'skom khozyaistve [Cybernetics in agriculture]. Leningrad, Kolos, 1965. 152 p. S589.K5
V. G. Karmanov, V. N. Savin, and E. P. Ryabova, joint authors.
- 9865 CLITHERO, W. A. Computers—agriculture's new electronic workhorse. Agr. Banking Financ. 8(2):26B-26D. Mar./Apr. 1966. 284.8 B22
- 9866 COCKRUM, E. L., MCCAULEY, W. J., and YOUNGREN, N. A. Biology. Philadelphia, Saunders, 1966. 793 p. Ref. QH308.C6
- 9867 COHEN, D. The biological role of the nucleic acids. London, Arnold, 1965. 104 p. Ref. QP551.C6
Includes agricultural aspects.
- 9868 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides, 33. Miscellaneous Techniques Series: melting point determination. FAO Plant Protect. Bull. 13(5):109-112. Oct. 1965. 421 P692
- 9869 CONDLIFFE, J. B. The economic aspects of conservation. Sierra Club Bull. 50(6):6-9. June 1965. 500 Sa53
Includes wilderness areas.
- 9870 COSTA RICA. MINISTERIO DE AGRICULTURA Y GANADERIA. Informe anual de labores [Annual report of activities], 1965. San Jose, 1966. 136 p. 8 C825I
- 9871 CROSBY, D. G. The intentional removal of pesticide residues. Conf. Res. Needs Approaches Use Agr. Chem. Public Health Viewpoint. Res. Pesticides. Proc. 1964:213-223. Ref. 1965. SB951.C6
- 9872 DANSKE HEDESELSKAB. Annual report of the Danish Heath Society, 1965-1966. (Da) Hedeselsk. Tidsskr. 87(11):315-321. (Concl.). Sept. 10, 1966. 11 H35
- 9873 DRUMMOND, D. C. Recent developments in the control of commensal rodents. Chem. Indus. 32:1371-1375. Ref. Aug. 6, 1966. 382 M31C
Agricultural pests.
- 9874 DUBININ, N. P. Practical application of genetics in agriculture. (Rus) Akad. Nauk. SSSR. Vestnik 8:24-33. Aug. 1966. 511 Ak14V
- 9875 DUGELAY, A. Protection of nature in relation to the economic development of the mountain. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.) 15: 211-219. 1964/65, pub. 1966. 281.9 Ec7
- 9876 FERGUSON, D. E. A look at pesticides as the dust settles. Ass. Southern Feed, Fert. Pesticide Control. Offic. Offic. Publ. 23:39-47. Ref. 1965/66. 389.79 As7
Effects on wildlife.
- 9877 FITZHUGH, O. G. Response of mammalian species to pesticides. Conf. Res. Needs Approaches Use Agr. Chem. Public Health Viewpoint. Res. Pesticides. Proc. 1964:59-67. 1965. SB951.C6
Safety level studies on man and animals.
- 9878 FRASER, A. Heredity, genes, and chromosomes. New York, McGraw-Hill, 1966. 324 p. Ref. QH431.F7
- 9879 GENETICAL SOCIETY OF GREAT BRITAIN. Hundred and forty-ninth meeting held on 12th and 13th November 1965, at University College, London. Heredity 21(1):165-172. Feb. 1966. 443.8 H42
Abstracts of papers.
- 9880 GENTRY, J. W. Monitoring farm use of pesticides. U. S. D. A. Yearbook Agr. 1966:322-328. 1 Ag84Y
- 9881 GIBAN, J. Evaluation of the theoretical risk for gallinaceous game birds resulting from eating treated seeds. (Fr) Phytat.-Phytopharm. 14(2):59-65. June 1965. 464.8 P564
Economic poisons.
- 9882 GIBBS, L. C., and LEHNERT, H. F. Extension and pesticide know-how. U. S. D. A. Yearbook Agr. 1966:208-215. 1 Ag84Y
Education in the safe use of pesticides.
- 9883 GREAT BRITAIN. LABORATORY OF THE GOVERNMENT CHEMIST. Report of the Government Chemist, 1964. London, 1965. 108 p. Ref. 382 G79
Includes food, feed, fertilizer, and pesticide residue analysis.
- 9884 HANDBOOK of Commonwealth organisations. London, Methuen, 1965. 236 p. AS118.H3
Federation of Commonwealth Chambers of Commerce, cooperating.
Includes agricultural organizations based in Great Britain.
- 9885 HERNANDEZ CORZO, R. Pesticides and wildlife. (Sp) Panagra 5(66):34-36. Apr. 1966. 8 P196
Toxicity.
- 9886 HIGGS, K. G. Conservation authorities in the province of Ontario. Annu. Ring 1966:13-20. 99.8 An74
- 9887 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Handbook of agriculture, edited by G. G. R. Kurup. Rev. ed. New Delhi, 1966. 877 p. S517.I4
Chapters on soils, fertilizers, agronomy, horticulture, agricultural engineering, weeds and weed control, agricultural cooperation and marketing, agricultural legislation, community development and extension, and farm accounting.
- 9888 KEMPIN, E. Trade share greatly increased; German economic poisons go all around the world. (Ge) Prakt. Schädlingbekämpfer 18 (6):94-96. June 1966. 421 P882

- 9889 KNOWLTON, G. F., and ROBERTS, R. S. Names of pesticides. Utah. State Univ. Ext. Entomol. Mimeo Ser. 105.4 p. July 1966. 275.29 Ut1E n
- 9890 KOPPARBERGS LANS HUSHALLNINGSSALLSKAP. Handlingar [Proceedings of Kopparberg Province Agricultural Society], 1965. Falun, 1966. various paging. 11 K83
- 9891 KUZIN, A. M., and BEREZINA, N. M. Atomnaya energiya v sel'skom khozyaistve [Atomic energy in agriculture]. Ed. 2, rev. and enl. Moskva, Atomizdat, 1966. 90 p. S589.K8
- 9892 LOOSANOFF, V. L. Pesticides in sea water and the possibilities of their use in mariculture. Conf. Res. Needs Approaches Use Agr. Chem. Public Health Viewpoint. Res. Pesticides. Proc. 1964:135-145. Ref. 1965. S8951.C6
- 9893 LUCIANI, V. The earth has bread for all. (It) Mercanzia 21(6):443-444. June 1966. 287 B635
Chemistry and agriculture.
- 9894 MISSISSIPPI STATE UNIVERSITY. Abstracts of theses, 1963-64. State College, 1965. 11 p. (Mississippi State University. Library Publication No. 11) AS36.M5
Includes agricultural subjects.
- 9895 NEW ZEALAND. DEPT. OF AGRICULTURE. Report for the year ended 31 March, 1966. Wellington, 1966. 63 p. 23 N48
- 9896 PEARSON, J. L. Pesticides control: bad news for pests, good news for people. R. I. Agr. 12 (3):5. June 1966. 100 R342
Extension Service program.
- 9897 PETERSEN-DALUM, T. Naesgaardsbogen [The Naesgaard book], 1965. Nykøbing, Foreningen "Gamle Naesgaardianere, 1965. 77 p. 104 N12N
Agriculture.
- 9898 PORTMAN, R. W. Pesticide log. Idaho. Agr. Coll. Ext. Bull. 463.6 p.-folder. July 1966. 100 Id14
Formulations and hazards.
- 9899 DAS REICH der Tiere [The animal kingdom]. Leipzig, Urania, 1966. 158 p. (Der Mensch und das Leben, v.4) QL50.R43
Translation of L'Univers Animal.
- 9900 SELSKAPET NY JORD. Report on the work of the Society New Land in 1965. (No) Ny Jord 53(2):63-78. Feb. 1966. 282.28 N98
Agriculture.
- 9901 SICHERER, C. A. F. W. Kunststeststoffen en bestrijdingsmiddelen bij de uitvoering van de Land- en Tuinbouwongevallenwet [Fertilizers and pesticides in connection with the Agricultural and Horticultural Injuries Act]. Assen, Van Gorcum, 1965. 232 p. RA1270.F355
Proefschrift—Utrecht.
English summary.
Bibliography, p.219-226.
- 9902 SILENT Spring—fearing Sen. Ribicoff proposes stifler pesticide regulation. Pest Contr. 34(9): 50. Sept. 1966. 449.8 Ex8
- 9903 SPENCER, D. A. Protecting the sportsman's paradise. U. S. D. A. Yearbook Agr. 1966:49-54. 1 Ag84Y
Includes hazards of economic poisons.
- 9904 STEWART, G. F., and MRAK, E. M. Chemicals: one key to the future. U. S. D. A. Yearbook Agr. 1966:352-363. 1 Ag84Y
- 9905 STRAUB, B. F. Development of biological research in Hungary. 8 p. (SPRS 37,128; TT 66-33557) Transl. 16175
Translation from Magyar Tudomány 5:280-286. June 1966.
CFSTI: \$1.00.
- 9906 STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources: shrews. Penn. State Univ. Ext. Leaflet. 289.2 p. May 1965. 275.29 P38L
- 9907 TANKERSLEY, H. Idaho presents civil defense training and educational opportunities for Idaho citizens. Idaho. Agr. Coll. Ext. Bull. 468, 8 p. July 1966. 100 Id14
- 9908 TELES, F. F. F. Determination of phosphorus in economic poisons. (Por) Biologic 32(4):79-81. Apr. 1966. 442.8 B529
- 9909 THOMPSON, H. V., and THOMPSON, R. H. Rabbit control by cyanide gassing. Great Brit. Min. Agr. Fish. Food. Agr. 73(8):383-386. Aug. 1966. 10 G79J
- 9910 TRONDELAGE MYRSELSKAP. (Annual report of the Trondelag Heath Society. (No) Norske Myrseelsk. Medd. 64(4):105-107. Aug. 1966. 11 N813
- 9911 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Index guide of U.S.D.A. photos. Washington, 1966. 12 p. A241 Ag823
- 9912 VARMLANDS LANS HUSHALLNINGSSALLSKAP. Arsbetärelse [Annual report of Värmland Province Agricultural Society], 1965. Karlstad, 1966. 258 p. 11 V43
- 9913 VASTERBOTTENS LANS HUSHALLNINGSSALLSKAP. Handlingar [Proceedings of Vasterbotten Province Agricultural Society], 1965. Umeå, 1965. 106 p. 11 V44H
- 9914 VASTERNORRLANDS LANS HUSHALLNINGSSALLSKAP. Handlingar [Proceedings of the Agricultural Society of Vasternorrland Province], 1965. Harnosand, 1965. 113 p. 11 V44
- 9915 VENEZUELA. MINISTERIO DE AGRICULTURA Y CRIA. Memoria y cuenta [Report and accounts], 1964. Caracas, 1965. 484 p. 9.95 Ag82M
- 9916 VERBAND DEUTSCHER LANDWIRTSCHAFTLICHER UNTERSUCHUNGS- UND FORSCHUNGSANSTALTEN. Stand und Leistung agrarökonomischer und agrarbiologischer Forschung [Situation and production of chemical and biological research in agriculture]. XIII. Landwirt. Forsch. Sonderheft 20,152 p. Ref. 1966. 18 L2333A
Includes papers at the annual meeting, September 1965, in Heidelberg.
- 9917 WARD, J. C. A dynamic statute for pesticides. U. S. D. A. Yearbook Agr. 1966:271-279. 1 Ag84Y
Federal Insecticide, Fungicide, and Rodenticide Act.
- 9918 WICKHOLM, R. List of Finnish current periodicals and series in the fields of agriculture, veterinary medicine, forestry, hunting, fishery and home economics. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(2):65-92. 1966. 20 Su7M
- 9919 WILLSON, R. A., and SMITH, F. J. Managing the farm supply business—ten areas. Minn. Univ. Ext. Spec. Rep. 16,128 p. Ref. Sept. 1965. 275.29 M66Sb
- 9920 WYOMING. DEPT. OF AGRICULTURE. 21st biennial report. Cheyenne, 1965. 168 p., map. 2 W99B

BIOGRAPHY

- 9921 ALFRED Iosipovich Lillema. (Rus) Pochovedenie 9:103-104. Sept. 1966. 57.8 P34
- 9922 ALIKHANYAN, S. I. Gregor Johann Mendel. (Rus) Mikrobiologiya 34(4):733-739. July/Aug. 1965. 448.3 M582
- 9923 ALLEN, D. E. Joseph Dandridge and the first Aurelian Society. Entomol. Rec. J. Variation 78(4):89-94. Ref. Apr. 1966. 421 En89
- 9924 ALLODIATORIS, I. Robert Hooke. (Hu) Elovilág 10(6):368-369. 1965. 410 EL6
- 9925 ANDRE, M., and BREGETOVA, N. In memoriam E. N. Pavlovskii (1884-1965). (Fr) Acarologia 8(2):181-190. Apr. 1966. 434.8 Ac1
Includes list of his acarological publications.
- 9926 ARNAUD, P. H. Herbert Ruckes, Sr., 1 February 1895—23 December 1965. Pan-Pacific Entomol. 42(2):156-157. Apr. 1966. 421 P193
- 9927 ANDREAE, H. The Nobel Prize winner Sir Frederick Banting, a scientist, to whom millions can thank for their life. (Ge) Deut. Tierärztl. Wochenschr. 73(12):293. July 15, 1966. 41.8 D482
- 9928 AULITZKY, H. Hofrat Dipl. Ing. Dr. Robert Hampel in retirement. (Ge) Centralbl. Gesante Forstwesen 83(2):114-116. June 1966. 99.8 C33
Includes list of publications.
- 9929 AYBAR, A. Biography of Lucius Junius Moderatus Columella. (Sp) Agricultura [Santo Domingo] 430:18-19. Mar. 1966. 8 R323

- 9930 BARSUKOV, L. N., and others. A. K. Zaporozhets 70th anniversary. (Rus) *Agrokhimiya* 8: 164-166. Aug. 1966. 385 Ag89
- I. I. Gunar, I. G. Dikсар, N. P. Karpinski, K. P. Naidin, and A. V. Peterburgskiy, joint authors.
- BIRGER S'aar will be 60 years old. (No) Meieriposten 55(34):744. Aug. 27, 1966. 44.8 M47
- 9932 BIRGER Stensland is 60 years old. (No) Norsk Pelsdyrbll. 40(16):395. Aug. 20, 1966. 412,628 N812
- 9933 BITSCHENE, R. Professor Dr. Dr. Wellenstein, 60 years old. (Ge) *Deut. Bienenwirtsch.* 17(7):183. July 1966. 424.8 D489
- 9934 BLAZEK, Z. Lecturer RNDr. Petr Milovidov is 70 years old. (Cz) *Preslia* 38(3):315-317. 1966. 450 P92
- Includes list of publications.
- 9935 BOMBOSCH. Professor Dr. G. Wellenstein is 65 years old. (Ge) *Forst. Holzwirt* 21(14): 314-315. July 23, 1966. 99.8 F7724
- 9936 BOTTINI, O. Carlo La Rotonda, 1897-1966. (It) *Agrochimica* 10(3):197-198. June 1966. 385 Ag84
- 9937 BRENES-MADRIGAL, R. R. Luis Flores-Barroeta, 1919-1964. (Sp) *Rev. Biol. Trop.* 13(1):I-II. July 1965. 442.8 R328
- 9938 BRENNER, W. G. On the sixtieth birthday of Georg Segler. (Ge) *Landtech. Forsch.* 16(3): 73. 1966. 58.8 L2332
- 9939 BULAVAS, I. 100th anniversary of the prominent plant breeder D. L. Rudzinskiy. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:150-151. July 1966. 20 V633
- 9940 CAPORALE, G. Prof. Luigi Cominotti (It). *Vet. Ital.* 17(3/4):221-222. Mar./Apr. 1966. 41.8 C87
- 9941 CERNOHORSKY, Z., and SKALICKY, V. Dr. Miles Deyl is 60 years old. (Cz) *Preslia* 38(3):317-320. 1966. 450 P92
- Includes list of publications.
- 9942 CIAPUTA, K. The award of a doctorate honoris causa to Sir John Hammond, lecturer of Cambridge University. (Pol) *Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 7:4-22. 1965. 49.9 K852
- English summary.
- 9943 COLONEL John H. Jenkins receives first Gottschalk Award. *Forest Prod. J.* 16(8):8-9. Aug. 1966. 99.9 F7662J
- Forest Products Research Society Gottschalk Memorial Award.
- 9944 COULTER, C. H. Henry J. Malsberger. Forest Farmer 25(13):15,21-22. Sept. 1966. 99.8 F7692
- Biography.
- 9945 DEAY, H. O., OSMUN, J. V., and LEHKER, G. E. John June Davis 1885-1965. *J. Econ. Entomol.* 59(4):1032-1033. Aug. 1966. 421 J822
- 9946 DEBOUTTEVILLE, D., and REYMOND, A. Georges Kuhnholz-Lordat, 1888-1965. (Fr) *Paris. Mus. Nat. Hist. Nat. Bull. (ser.2)* 37(5):731-746. 1965. 410.9 P213
- Includes list of publications.
- 9947 DEDICATION. *Mo. Log* 18:3-5. 1965. 99.8 M696
- Biographical note on R. H. Westveld.
- 9948 DEDICATION: Professor Donald S. Bell. Ohio. Agr. Res. Develop. Center, Res. Sum. 11, a. July 1966. 100 Oh3Rs
- 9949 DEGEN, W. Dr. Otto Meier of Liestal died. (Ge) *Schweiz. Arch. Tierheilk.* 108(7):399-400. July 1966. 41.8 Sch9
- 9950 DEXHEIMER. Veterinary director Dr. von Nida is 65 years old. (Ge) *Deut. Tierarztl.* 11(7):342. July 5, 1966. 41.8 D484
- 9951 DIR. YRJO Rikala 80 years old. (Fi) *Puutarha* 69(6):381. 1966. 80 P99
- 9952 E. C. JONES, D. V. M., 1892-1965. *Norden News* 41(1):5. Jan. 1966. 41.8 N75
- 9953 EDITOR [Robert J] Steiner leaves URI [University of Rhode Island] post. R. I. Agr. 12(3):7. 11. June 1966. 100 R342
- 9954 EUGEN Gottlieb von Langen - 70 years old. (Ge) *Z. Zuckerindus.* 16(4):227. Apr. 20, 1966. 65.8 D48
- 9955 FAHR, w., and WAHL, O. Dr. Evenius is 70 years old. (Ge) *Deut. Bienenwirtsch.* 17(6): 149-150. June 1966. 424.8 D489
- 9956 FAHR, W. Symbol and legacy: Professor Dr. Ludwig Armbruster on his 80th birthday (September 7, 1966). (Ge) *Deut. Bienenwirtsch.* 17(6):209-213. 1966. 424.8 D489
- 9957 FESTSKRIFT tillagnad Tycho Norlindh den 13 Maj 1966 [Festschrift dedicated to Tycho Norlindh, May 13, 1966]. *Bst. Not.* 119(2):121-377. map. Ref. 1966. 450 B656
- 9958 50th BIRTHDAY at Højbro. (Da) *Maelkeritidende* 79(34):670-671. Aug. 26, 1966. 44.8 M26
- F. Hildebrand.
- 9959 FISCHER, H. Conrad Gessner (26. März 1516-13. Dezember 1565), Leben und Werk [Conrad Gessner (March 26, 1516-December 13, 1565); his life and work]. *Zurich Kommissionsverlag Leemann*, 1966. 152 p. (Zurich. Naturforschende Gesellschaft. Neujahrsblatt 168) 508 Z8N
- 9960 FORESTRY director Dr. F. Wechselseger is 60 years old. (Ge) *Forst. Holzwirt* 21(13): 295-297. July 8, 1966. 99.8 F7724
- 9961 FRANCESCO Boselli (necrology). (It) *Portici. Lab. Entomol. Agr.* "Filippo Silvestri." *Boll.* 23:304-307. 1965. 420 P82B
- Includes list of publications.
- 9962 FREUDENSTEIN, H. Dr. Wolfgang Fahr-60 years old. (Ge) *Deut. Bienenwirtsch.* 17(3):57-58. Mar. 1966. 424.8 D489
- 9963 GALENSA, F. Georg Sommerkamp is 65 years old. (Ge) *Tech. Landwirt.* 18(7):211. July 15, 1966. 58.8 T223
- 9964 GEORG Polentz. (Ge) *Deut. Entomol. Ges. Mitt.* 24(5/6):79. Dec. 15, 1965. 420 D482
- 9965 GIANNOTTI, D. Arturo Magliano (1889-1965). (It) *Pist. Univ. Stud. Fac. Med. Vet. Ann.* 18: 7-11. 1965, pub. 1966. 41.9 P67
- 9966 GIVEN, B. B. Dr. David Miller. *New Zeal. Entomol.* 3(4):8-9. Dec. 1965. 421 N48
- 9967 GOLD, T. M. I. M. Vidgal'm, 1835-1903. (Rus) *Entomol. Obozrenie* 45(2):457-460. 1966. 421 R322
- Includes list of publications.
- 9968 H. J. PETERSEN, Odense, will be 60 years old. (Da) *Dansk Landbrug* 85(8):244-245. Aug. 1966. 280.28 V91
- 9969 HANS Pallmann, 1903-1965. (Sp) *An. Edafol. Agrobiol.* 24(9/10):612-613. Sept./Oct. 1965. 506 Sp12
- 9970 HERNANDO, V. Jose Maria Albareda Herrera, 1902-1966. (Sp) *Agrochimica* 10(3):199-201. June 1966. 385 Ag84
- 9971 HOY, J. M. David Miller-entomologist. *New Zeal. Entomol.* 3(4):3-7. Dec. 1965. 421 N48
- 9972 ILTIS, H. Life of Mendel. New York, Hafner, 1966. 336 p. QH31.M4514
- Translation of Gregor Johann Mendel, Leben, Werk und Wirkung.
- 9973 IN MEMORIAM: Jean Sornay (1873-1965). (Fr) *Fed. Franc. Econ. Montagn. Bull. (n.s.)* 15:29-30. 1964/65, pub. 1966. 281.9 Ec7
- 9974 IN MEMORIAM: Pierre Faur (1886-1965). (Fr) *Fed. Franc. Econ. Montagn. Bull. (n.s.)* 15:30-31. 1964/65, pub. 1966. 281.9 Ec7
- 9975 IN MEMORIAM [of Prof. Dr. Tadeusz Olbrych]. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech.* 13:11-15. 1964, pub. 1965. 49.9 B75
- 9976 IN MEMORIAM: Raoul Blanchard 1877-1965). (Fr) *Fed. Franc. Econ. Montagn. Bull. (n.s.)* 15:27-28. 1964/65, pub. 1966. 281.9 Ec7
- 9977 IN MEMORY of F. V. Turchin. (Rus) *Agrokhimiya* 12:3-7. Dec. 1965. 385 Ag89
- Includes list of his works.
- 9978 IN MEMORY of prominent scientist. (Rus) *Zashch. Rast. Vred. Boleznei* 11:60. 1965. 421 Z1
- V. P. Murav'ev.
- 9979 IN MEMORY of T. L. Dobrozrakova. (Rus) *Zashch. Rast. Vred. Boleznei* 11:60. 1965. 421 Z1

- 9980 JACOBSON, N. G. F. Joel Ekelund; a biographical sketch 100 years after his birth. (Sw) Svensk Veterinartidn. 18(13/14):395-404, 409-413. July 1966. 41.9 Sv23
Includes list of publications.
- 9981 JAHN, I. New data about Mendel's life and work. (Hu) Elovilag 10(6):366-368. 1965. 410 EL6
- 9982 JENS Ilstad will be 50 years old. (No) Meieriposten 55(35):765-766. Sept. 3, 1966. 44.8 M47
- 9983 JENS Ramstad will be 70 years old. (No) Meieriposten 55(35):764-765. Sept. 3, 1966. 44.8 M47
- 9984 JOCHUM van der Hout. (Du) Groenten Fruit 22(11):218. Aug. 17, 1966. 80 G89
- 9985 JON BRU is dead. (No) Meieriposten 55(34):745. Aug. 27, 1966. 44.8 M47
- 9986 JORDAN, K. H. C. Kurt Buttnier. (Ge) Deut. Entomol. Ges. Mitt. 24(5/6):78. Dec. 15, 1965. 420 D482
- 9987 KARE Bryhu will be 60 years old. (No) Meieriposten 55(36):784-785. Sept. 10, 1966. 44.8 M47
- 9988 KEMENY, A. Remembrance of Ferenc Tangel (1866-1917) on the 100th anniversary of his birth. (Hu) Magyar Allatorv. Lapja 21(6):277-278. June 1966. 41.8 V644
- 9989 KVINGE, N. B. Death. (No) Biokteren 82(8):175. Aug. 1966. 424.8 B53
Amagda Johansen.
- 9990 KRETOVICH, V. L. The significance of works by Dimitri Nikolaevich Pryanishnikov for physiology and biochemistry. (Ru) Akad. Nauk SSSR. Izv. Ser. Biol. 1:157-159. Jan./Feb. 1966. 511 Sa2B
- 9991 KRISTIAN Halvorsrud is dead. (No) Meieriposten 55(32):696-697. Aug. 13, 1966. 44.8 M47
- 9992 KRYZHANOVSKI, O. L. In memory of N. S. Borkhsenius 1906-1965. (Ru) Entomol. Obozrenie 44(4):951-957. 1966. 421 R322
Includes list of works.
- 9993 KUBIKOVA, M., and SKALICKY, V. PhDr. Gustav Danek is 75 years old. (Cz) Preslia 38(3):312-314. 1966. 450 P92
Includes list of publications.
- 9994 LANGMAN, I. K. In memory of Faustino Miranda. (Sp) Ciencia 24(5/6):177-180. Jan. 1966. 475 C48
- 9995 LEIF J. Lunder will be 60 years old. (No) Meieriposten 55(34):743-744. Aug. 27, 1966. 44.8 M47
- 9996 LEMBKE, A. Address at the bestowal of the Hermann Weigmann Memorial Medal to Prof. Dr. R. Kuhn, March 22, 1966, in Kiel. (Ge) Milchwissenschaft 21(8):481-482. Aug. 1966. 44.8 M5933
Prof. Kuhn's address upon receiving the award is printed with an English summary, p. 482-486.
- 9997 LESLIE, J. Jan de Graaff. Roy. Hort. Soc. Lily Year Book 29:9-10. 1966. 96.46 R81
- 9998 LIE, O. Director, Dr. Agr. Asulv Loddosol is 70 years old. (No) Norske Myrselsk. Medd. 64(4):85-91. Aug. 1966. 11 N813
- 9999 MARAN, J. Academician Dr. Ivan Bures is 80 years old. (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(2):170-172. Mar. 20, 1966. 420 C33
- 10000 MARTIN, E. A. The life works of Lydia J. Roberts. Amer. Diet. Ass. J. 49(4):299-301. Oct. 1966. 389.8 Am34
Includes list of publications.
- 10001 MAURICE Couard of Geneva died. (Fr) Schweiz. Arch. Tierheilk. 108(7):398-399. July 1966. 41.8 Sch9
- 10002 MAYER, H. R. Farewell to Karl Boning as he retires March 31, 1966. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(3):113-116. 1966. 464.8 Z3
- 10003 MAX VOLLMER. (Ge) Deut. Entomol. Ges. Mitt. 24(5/6):79. Dec. 15, 1965. 420 D482
- 10004 MCLEOD, G. G. William "Bill America" Erickson—a profile of a frontiersman, cowman. Nebr. Cattleman 22(6):26, 28. Feb. 1966. 43.8 N27
- 10005 MESZAROS, I. Kalman Bolcschazy professor retired. (Hu) Magyar Allatorv. Lapja 21(7):331. July 1966. 41.8 V644
- 10006 MINISTERIAL counselor i. R. Professor Dr. Theodor Kunkle is 90 years old. (Ge) Forstwiss. Centralbl. 85(7/8):245-246. July/Aug. 1966. 99.8 F775
- 10007 MIRKIN, S. L., and MARKOV, P. V. In memory of the prominent drainage engineer. (Ru) Gidrotekh. Melior. 8:62-63. Aug. 1966. 290.8 G362
E. E. Skorniyakov.
- 10008 MITSCHERLICH, G. In memoriam Eilhard Wiedemann. (Ge) Allg. Forst- Jagdzeitung 137(8):192. Aug. 1966. 99.8 AL3
- 10009 MORGENTHALE, O. In honor of the 80th birthday of Professor Ludwig Armbruster. (Ge) Deut. Bienenwirtsch. 17(8):221-222. 1966. 424.8 D489
- 10010 MORGENTHALE, O., and BOVEY, R. Round table at Liebfeld in honor of Dr. A. Maurizio. (Fr) Jour. Suisse d'Apic. 63(1/2):6-10. Jan./Feb. 1966. Bee Cul. 424.9 S01
- 10011 MORK, E. Professor Erling Eide is 75 years old. (No) Norsk Skogbruk 11(7/8):279-280. Apr. 1965. 99.8 N815
- 10012 MOURIER-PETERSEN, C. Neurology on Lausi Norskov. (Da) Hedeselsk. Tidsskr. 87(9):233-236. July 15, 1966. 11 H35
- 10013 MR. A. R. GRAYSON retires. J. Agr. [Melbourne] 64(4):180. Apr. 1966. 23 V66J
- 10014 NECROLOGY note—Prof. Dr. Mario d'Apice. (Sp) Rev. Med. Vet. [Buenos Aires] 47(1):65-66. Jan./Feb. 1966. 41.8 B86
- 10015 THE New recipients of mark of distinction of the German veterinary professions. (Ge) Deut. Tierarztsch. 11(7):305-307. July 5, 1966. 41.8 D484
F. Bourmer, E. Haendler, N. Johansen, H. Kruger, K. Ohly, and E. Royeck honored.
- 10016 NEWIADOMSKI, S. Professor Czeslaw Grabowski, 1873-1965. Gaz. Cukrownicza 73(8):193-194. Aug. 1965. 66.8 G25
Includes a list of his publications.
- 10017 NIKOLAI Aleksandrovich Staroverov. (Ru) Zhivotnovodstvo 7:91. July 1966. 49 Z6
1966 WOOD Award winners named. Forest Prod. J. 16(8):9. Aug. 1966. 99.9 F7662J
Cosponsored by Forest Products Research Society and Wood & Wood products Magazine and given to F. C. Manwiler and E. D. Bello.
- 10018 NYE, W. P. Edward Sharpe Gaige Titus, 1873-1962. J. Econ. Entomol. 59(4):1035. Aug. 1966. 421 J822
- 10019 OLAV Tveide is 70 years old. (No) Meieriposten 55(38):827-828. Sept. 24, 1966. 44.8 M47
- 10020 ON THE 150th death anniversary of Johann Trunk, the holder of the first forestry professorship in Germany. (Ge) Forst- Holzwirt 21(11):261-262. June 8, 1966. 99.8 F7724
- 10021 PAVEL Sergeevich Pogosov. (Ru) Pochovdenie 9:105-106. Sept. 1966. 57.8 P34
- 10022 PEDERSEN, A. H. Carl Lind in memoriam. (Da) Maelkeritidende 79(34):671-672. Aug. 26, 1966. 44.8 M26
- 10023 PENKA, M. The academician Silvestr Prat is 70 years old. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnické 4:341-343. 1965. 105.92 B833
- 10024 PERKIEWICZ, E. Our chief the thrifty beekeeper. (Ge) Deut. Bienenwirtsch. 17(8):222. 1966. 424.8 D489
Ludwig Armbruster.
- 10025 PETER Slagvold will be 50 years old. (No) Meieriposten 55(35):749-750. Sept. 3, 1966. 44.8 M47
- 10026 PIUSI, P. In memory of Michele Gortani. (It) Ital. Forest. Mont. 21(2):107-108. Mar./Apr. 1966. 99.8 I112
- 10027 POLYANSKY, YU. I. Ivan Ivanovich Sokolov's 80th birthday. (Ru) Tsitolgiya 7(2):277-280. Mar./Apr. 1965. 442.8 T78
Includes partial list of publications.
- 10028 PROFESSOR Dr. W. Bolz of Hohenheim is 65 years old. (Ge) Tierzuechter 18(17):616-617. Sept. 5, 1966. 49 T445
- 10030 PROFESSOR I. F. Zelikman. (Ru) Sakhar. Prom. 9:76. Sept. 1966. 65.8 Sa2

- 10031 PROFESSOR Nicolai Mikhailovich Glushkov, 1912-1966. (Fr) Rev. Franc. d'Apic. 234:247. July 1966. Bee Cul. 424.8 R329
- 10032 PROFESSOR Stanislav Zagorskii. (Rus) Sak-harn. Prom. 9:76. Sept. 1966. 65.8 S2
- 10033 PSHENICHNYI, P. D., and KLOCHKO, I. M. Anniversary of M. I. Kholevchuk. (Rus) Zhi-votnovodstvo 7:90. July 1966. 49 Z6
- 10034 RADEMACHER, B. In honor of Prof. Dr. phil Ernst Reimuth's 65th birthday. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(4):177-179. 1966. 464.8 Z3
- 10035 RAIKOV, L. I. N. Antipov-Karataev (1888-1965). (Bu) Selskostopanska Nauk. 4(3):101-104. 1965. 21 Se492
- 10036 REIDAR Viken will be 60 years old. (No) Meieriposten 55(33):721. Aug. 20, 1966. 44.8 M47
- 10037 RENTZ, D. C. Harold J. Grant, Jr., 4 November 1921-27 February 1966. Pan-Pacific Entomol. 42(2):158. Apr. 1966. 421 P193
- 10038 RIEDL, H. Heinrich Wilhelm Schott, the hundredth anniversary of his death March 5, 1966. (Ge) Naturhist. Mus. Wien. Ann. 68:3-8. 1964, pub. 1965. 414.9 V672
- 10039 RISBJERG, K. A pioneer has passed away. (Da) Tidsskr. Biavl 100(7):115. July 20, 1966. 424.8 T43
- 10040 ROLF Honore will be 50 years old. (No) Meieriposten 55(33):721-722. Aug. 20, 1966. 44.8 M47
- 10041 ROSSMASSLER, Chief ministerial counselor Dr. Kurt Borchers is 65 years old. (Ge) Forst- Holzwt 21(14):311-313. July 23, 1966. 99.8 F7724
- 10042 ROY, R. In memoriam: J. A. G. Rehn (1881-1965). (Fr) Inst. Franc. Afr. Noire. Bull. Ser. A, Sci. Natur. 27(2):780. Apr. 1965. 515 D14
- 10043 RUDOLF Jacoby-80 years old. (Ge) Deut. Bienenwirtsch. 17(7):182. July 1966. 424.8 D489
- 10044 RUPPERT, K. Dr. Kurt Borchers, ministerial counselor in the Department for Nutrition, Agriculture and Forestry of Lower Saxony [Ministerium für Ernährung, Landwirtschaft und Forsten] is 65 years old. (Ge) Forsttech. Inform. 8:64. Aug. 1966. 99.8 F7794
- 10045 RZEDOWSKI, J. Biographical data of Faustino Miranda. (Sp) Ciencia 24(5/6):171-175. Jan. 1966. 475 C48
- 10046 RZEDOWSKI, J. Biographical data of Maximino Martinez. (Sp) Ciencia 24(5/6):181-183. Jan. 1966. 475 C48
- 10047 SALERNO, G. Arturo Galli (1885-1965). (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:12-14. 1965, pub. 1966. 41.9 P67
- 10048 SIR E. John Russell, 1872-1965. (Sp) An. Edoal. Agrobiol. 24(9/10):611-612. Sept./Oct. 1965. 50 Spl2
- 10049 SIR EDWARD John Russell, 1872-1965. Indian J. Agron. 10(4):i-ii. Dec. 1965. 22 In235
- 10050 SIXTIETH birthday anniversary of S. E. Grushovoi. (Rus) Zashch. Rast. Vred. Boleznei 11:58. 1965. 421 Z1
- 10051 60 YEARS old. (Da) Maelkeritidende 79(37):752-753. Sept. 16, 1966. 44.8 M26
- 10052 SMIRNOV, E. S. 75th birthday of A. A. Lubishchev. (Rus) Entomol. Obozrenie 46(1):232-236. 1966. 421 R322
- 10053 SMORODIN, V. P. 60th birthday anniversary of Prof. I. V. Voronin. (Rus) Les. Zh. 6:175. 1964. 99.8 I28
- 10054 SOHNE, W. Theodor Stoppel is 65 years old. (Ge) Landtechnik 21(14):524. June 15, 1966. 58.8 L235
- 10055 STEINHOFF, K. P. Lebenslaufe einiger verdienter Biatriker [Curriculum vitae of some meritorious biatricians]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 46,105 p. Ref. 1965. 41.2 H198
- 10056 STEINIG. In memory of Otto Knauss. (Ge) Deut. Entomol. Ges. Mitt. 24(5/6):78-79. Dec. 15, 1965. 420 D482
- 10057 STEENSTRUP, B. Chr. E. Flensborg. (Da) Hedeselsk. Tidsskr. 87(12):343-347. Sept. 25, 1966. 11 H35
- 10058 STERN, SIR F. Frank Kingdon-Ward, O.B.E., V.M.H. and his lilies. Roy. Hort. Soc. Lily Year Book 29:11-14. 1966. 96.46 R81
- 10059 SUNDT, E. Andreas Strand is 70 years old. (No) Norsk Entomol. Tidsskr. 13(1/2):3-4. 1965. 421 N812
- 10060 TH. AARUP, Kallestrup will be 70 years old. (Da) Dansk Landbrug 85(8):244. Aug. 1966. 280.28 V91
- 10061 THORE Foss will be 50 years old. (No) Meieriposten 55(32):697-698. Aug. 13, 1966. 44.8 M47
- 10062 THURE Carlsson. (Sw) Bitidningen 65(7/8):246-247. July/Aug. 1966. 424.8 B54
- 10063 TIMEV, A., and others, Agronomist Simeon I. Grekov. (Bu) Bulg. Tyutyn 5:47. 1965. 69.8 B872
- 10064 TOBIAS J. Kirkebak is dead. (No) Meieriposten 55(35):767-768. Sept. 3, 1966. 44.8 M47
- 10065 TORDHUNTER, E. N. Biographical notes from the history of nutrition: Louis Harry Newburgh-June 17, 1883-July 17, 1956. Amer. Diet. Ass. J. 49(4):294. Oct. 1966. 389.8 Am34
- 10066 UI RICH, H. Jacob Seiler, 80th anniversary. (Ge) Rev. Suisse Zool. 73(2):167-183. May 1966. 410 R324
- 10067 URBACH, E. Erich Haeger. (Ge) Deut. Entomol. Ges. Mitt. 24(4):62-63. Oct. 31, 1965. 420 D482
- 10068 VASATURO, G. T. A visit with Stephen Chase. Gladiolus 41:162-165. 1966. 96.43 N44
- 10069 VETERINARIAN on the postage in Czechoslovakia. (Cz) Deut. Tierarztl. Wochenschr. 73(13):326. July 1, 1966. 41.8 D482
- 10070 VICKERY, V. R. George Allan Moore. 1878-1966. Can. Entomol. 98(8):895-896. Aug. 1966. 421 C16
- 10071 VOLGYESI, F. Konstantin Balassa, the pioneer of the scientific hypnosis of animals. (Hu) Elovilag 10(6):349-354. 1965. 410 EL6
- 10072 WELTZIEN, H. C. The 70th birthday of Professor Dr. Hans Braun. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(1/2):4-6. 1966. 464.8 Z3
- 10073 WERNER Andreasson. (Sw) Bitidningen 65(7/8):247. July/Aug. 1966. 424.8 B54
- 10074 WHO's who in agricultural engineering No. 86-Mr. John Green, T.D. Farm Impl. Mach. Rev. 82(1098):1135-1136. Oct. 1, 1966. 58.8 Im72
- 10075 WILKINSON, R. S. William Vernon, entomologist and botanist. Entomol. Rec. J. Variation 78(5):115-121. Ref. May 1966. 421 En89
- 10076 WINNIGSTEDT, R. Dr. Walter Pflaumbaum is 75 years old. (Ge) Tierzuechter 18(17):616. Sept. 5, 1966. 49 T445
- 10077 ZHUZE, A. P., and PROSHKINA-LAVRENKO, A. I. On the scientific work of R. W. Kolbe. (Rus) Bot. Zhur. [Moscow] 51(2):305-306. Feb. 1966. 451 R923

HISTORY

- 10079 AKADEMIYA NAUK SSSR. SIBIRSKOE OTDEL'ENIE. Materialy po istorii Sibiri. Sibir' v period stroitel'stva sotsializma i perekhoda k kommunizmu, 5. Krest'yanstvo i sel'skoe khoz-yaystvo Sibiri v 1917-1961 g. g. [Contributions to the history of Siberia. Siberia in the period of socialistic development and conversion to the communism. Peasantry and farming of Siberia in 1917-1961]. Novosibirsk, Nauka, 1965. 167 p. Ref. DK751.S5
- 10079 BELORUSSKAYA SEL'SKOKHOZ'YAYSTVENNAYA AKADEMIYA. Belorusskaya ordena Trudovogo krasnogo znameni sel'skokhoz'yaystvennaya akademiya, ocherki istorii, 125 let [125th anniversary of Belorussian Agricultural Academy; a historical account]. Minsk, 1965. 210 p. S539.W5B4
- 10080 FUSSELL, G. E. Farming technique from pre-historic to modern times. Oxford, Pergamon Press, 1965. 269 p. Ref. (The Commonwealth and International Library. Agriculture and Forestry Division, 2409) S419.F8
- 10081 GUNST, P. Die Agrargeschichtschreibung in Ungarn 1945-1965 [The agrarian history writing in Hungary, 1945-1965]. Agrartorsteneti Szemle 7(sup.), 44 p. Ref. 1965. 19 Ag85
- 10082 PHILLIPS, J. Agricultural and related progress in several Rantu sectors of the Ciskei: fifty years in retrospect. S. Afr. J. Sci. 62(6): 173-178. Ref. June 1966. 515 So84
- 10083 RUBIO, J. L. The historical and political determinants of the agricultural situation (oligarchy, bourgeoisie, and people in Spanish American society). (Sp) Rev. Estud. Agro-Soc. 14(52):13-39. July/Sept. 1965. 281.8 R327 English summary.
- 10084 SOININEN, A. M. The main features of agricultural history in Finland. (Fi) Suomen Maataloustieteellinen Seura, Maataloustieteellinen Aikak. 38(2):101-108. Ref. 1966. 20 Su7M English summary.
- 10085 SZUJ, R. The first Hungarian literary report on the agriculture of England. Acta Agron. [Budapest] 15(1/2):242-245. 1966. 19 Ac8

HOME MANAGEMENT

- 10086 ARIZONA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Home economics extension in Arizona. Ariz. Univ. Ext. Folder 122,6 p.-folder. Mar. 1966. 275.29 Ar42Ext
- 10087 BERRY, J. An inside look at today's home furnishings. Tex. Agr. Progr. 12(3):14-16. Summer 1966. 100 T317e Teaching.
- 10088 DENEKE, L. Care of metals and kitchenware; handbook for young homemakers. Ohio. State Univ. Ext. Bull. 390,8 p. June 1966. 275.29 Oh32
- 10089 EDMUNDSON, M. Indian girls study personal development. Ext. Serv. Rev. 37(8):8-9. Aug. 1966. 1 Ex892Ex Extension program for 4-H Clubs in Nevada.
- 10090 FARMER, B. M. Sew what's new. Purdue Univ. Ext. Ext. Circ. 534,11 p. Ref. Jan. 1965. 275.29 In2E
- 10091 HABEL, K. L. Drapery hardware. Va. Polytech. Inst. Ext. Circ. 827,rev.,11 p. May 1966. 275.29 V81C
- 10092 MAZZONI, F., and MAZZONI, R. Economia domestica rurale [Rural domestic economy]. Ed. 3. Bologna, Edagricole, 1965. 205 p. (Manuali per l'Istruzione Professionale) TX165.M3
- 10093 MCFADDEN, F., and MCLEAN, J. Facts about underfashions. Cornell Univ. Ext. Cornell Ext. Bull. 1164,16 p. June 1966. 275.29 N48E
- 10094 PATTON, E. A., and CHASE, D. W. Study lamps and the better light better sight tag. Wash. State Univ. Ext. E. M. 2660,3 p. July 1966. 275.29 W27M1

- 10095 PAYNE, M. A. Slip covers. Va. Polytech. Inst. Ext. Circ. 833,rev.,18 p. Apr. 1966. 275.29 V81C Sewing.
- 10096 ROBERTS, H. L. Making a western shirt. Wash. State Univ. Ext. E. M. 2657,5 p. June 1966. 275.29 W27M1
- 10097 SEBREE, K. 4-Hers furnish and beautifully outdoor living areas. Ky. Univ. Ext. 4-H 1095, 6 p. July 1966. 275.29 K415Fh
- 10098 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Standards for evaluating lamp(s) for study area. Wash. State Univ. Ext. E. M. 2541,rev.,1 p. June 1966. 275.29 W27M1
- 10099 WEBSTER, S. W. Growing-up clothing advice: from tots to teens. Vt. Farm Home Sci. 9(1):6, 15,18. Summer 1966. 100 V593

INTERNATIONAL RELATIONS

- 10100 SUGARRAGTSCHAA, Z. Thanks for disinterested help. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 8th Congr.:213-215. 1966. 280.29 D482 Aid to agriculture of the Mongolian People's Republic by the DDR.
- 10101 VOLOVCHENKO, I. A year of fruitful cooperation. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:4-14. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Stc U.S.S.R. block. Translation from Mezinarodni Zemedelsky Casopis 2:5-9. 1966. Issued by CFSTI.

METEOROLOGY

- 10102 CH'EN, M. Y. Preliminary analysis of the agroclimate of the Tsinling (Mountain) Region in the Province of Shensi. (Ch) Acta Geographica Sinica 30(3):248-258. 1964. 331.8 T45 Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:22. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
- 10103 CHU, K. Some characteristic features of Chinese climate and their effects on crop production. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 338,18 p., map. Ref. Aug. 25, 1966. (JPRS 37,233; TT 66-33662) 173 J663Tcc Translation from Acta Geographica Sinica 30 (1):1-11. Mar. 1964. CFSTC \$1.30.
- 10104 CHUDNOVSKII, A. F., and SHLIMOVICH, B. M. Poluprovodniki, radioelektronika i kibernetika v agrometeorologii [Transistors, radioelectronics and cybernetics in agrometeorology]. Leningrad, Gidrometeorologicheskoe Izdatel'stvo, 1966. 462 p. Ref. QC876.C5
- 10105 DIETRICH, I. T. What rainfall records tell. N. Dak. State Univ. Ext. Circ. A-479,4 p. Dec. 1965. 275.29 N812Sa Study of oak tree rings as a clue to rainfall.
- 10106 GHOSH, B. N. A comparative study of sunshine records in the Nairobi area. East. Afr. Agr. Forest. J. 31(2):132-140, map. Oct. 1965. 24 Ea74
- 10107 GRINEVICIUS, H., and SCAMELIOVAS, V. Zemes ukio meteorologija [Agricultural meteorology]. Vilnius, Mintis, 1966. 215 p., map. Ref. S600.G7
- 10108 KAPRONCZAY, J. Data on the climate of Zselic. (Hu) Földrajzi Ertesito 15(2):179-197, map. Ref. 1966. 331.8 F69 German summary. In relation to agriculture.
- 10109 NEW MEXICO CATTLE GROWERS ASSOCIATION. Water research suggestions presented by cattle growers. N. Mex. Stockman 31(5): 22-23. May 1966. 49 N462 For increasing the yield of water from atmospheric pressure, by modifying weather conditions.

- 10110 PEYER, E. Frequency of hail in Switzerland. (Ge) Schweiz. Z. Obst- Weinbau 102(15):396-398. July 23, 1966. 80 Sch9
- 10111 RANIERE, L. C. Weather and food. U. S. D. A. Yearbook Agr. 1966:83-91. 1 Ag84Y
- 10112 SCHLEUSNER, R. A. New developments in weather modification. Great Plains Agr. Council. Proc. 1966:87-94. 282.9 G7992
Includes cloud seeding.
- 10113 SHEN, J. K., and MOU, W. F. Verification of the 48-hour numerical prediction at the Central Meteorological Bureau. (Ch) Acta Meteorologica Sinica 35(4):383-398. Nov. 1965. 340.8 C43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 30:1. Mar. 18, 1966. JPRS 34,624; TT 66-31063 241.65 Un3
Issued by CFSTI.
- 10114 SOINE, O. C. Fifty years of weather at the Northwest Experiment Station. Minn. Agr. Exp. Sta. Misc. Rep. 72, 16 p. Aug. 1966. 100 M66
- 10115 WANG, T. H. Notes on the method of iteration used in numerical forecast. (Ch) Acta Meteorologica Sinica 35(4):528-530. Nov. 1965. 340.8 C43
Abstracted in J. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 30:15. Mar. 18, 1966. (JPRS 34,624; TT 66-31063 241.65 Un3
Issued by CFSTI.
- 10116 WANG, T. H. On the method of setting up difference scheme for the weather forecasting equation. (Ch) Acta Meteorologica Sinica 35(4):399-407. Nov. 1965. 340.8 C43
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 30:2. Mar. 18, 1966. (JPRS 34,624; TT 66-31063 241.65 Un3
Issued by CFSTI.
- 10117 WANG, Y. C., and LANG, L. S. Agroclimatic resources of the Ili region and their significance for agriculture. (Ch) Hsin-chiang Nung Yeh K'o Hsueh 6:221-222, 220. 1964. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 37:11-12. Apr. 11, 1966. (JPRS 34,995; TT 66-31433) 241.65 Un3
Issued by CFSTI.
- RESEARCH**
- 10118 AMSTERDAM. INSTITUUT VOOR DE TROPEN. Vijftienvijftigste jaarverslag 1965 [Fifty-fifth annual report 1965]. Amsterdam, 1966. 97 p. 259 Am8
- 10119 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Eighteenth annual report, 1965-66. Melbourne, 1966. 233 p. 514 Au723
Includes agriculture.
- 10120 COMEL, A. La stazione chimico-agraria sperimentale di Udine nel triennio 1962-1964 [The Udine Agricultural Chemistry Research Station in the 1962-1964 triennium]. Udine. Sta. Chim.-Agr. Sper. Pubbl. 72, 31 p. 1965. 385 Ud5
- 10121 DEUTSCHE AKADEMIE DER WISSENSCHAFTEN, BERLIN. Jahrbuch [Yearbook], 1965. Berlin, 1966. 905 p. 509 D48J
Includes agriculture.
- 10122 DEUTSCHE FORSCHUNGSGEMEINSCHAFT. Bericht über ihre Tätigkeit vom 1. Januar bis zum 31. Dezember 1965 [Report of activities from January 1 to December 31, 1965]. 409 p. 1965. 509 N81
Includes agriculture.
- 10123 FLORIDA. AGRICULTURAL EXPERIMENT STATION. Annual report for the fiscal year ending June 30, 1965. Gainesville, 1965. 429 p., map. 100 F66S
- 10124 IOWA. STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. Annual report, 1965-66; an abbreviated annual report of the Iowa Agriculture and Home Economics Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics, for the period, July 1, 1965, through June 30, 1966. Ames, Iowa, 1966. 16 p. 100 Io92
- 10125 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1965; 78th annual report of the Director. Lexington, 1966. 95 p. 100 K41
- 10126 NATIONAL RESEARCH COUNCIL (THAILAND). Directory of research projects supported by the National Research Council: natural science, 1960-1964. Bangkok, 1965. 34 p. Q180.T5N3
Includes agriculture.
- 10127 NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION (GENEVA). Eighty-fourth annual report, 1965. Geneva, 1966. 55 p. (Its Legislative Document No. 89) 100 N48
- 10128 NORDISKE JORDBRUGSFORSKERES FORENING. Årsmelding [Annual report of the Society for Farm Research in Scandinavia], 1965. Nord. Jordbrugsforsk. 48(2):78-150, map. 1966. 11 N752
Text in Norwegian, Danish or Swedish.
- 10129 OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Research and development for economic growth, 84th annual report, 1965. Ohio Agr. Res. Develop. Center. Bull. 986, 53 p., map. 1965. 100 Oh3S
- 10130 PILLER, R. Agricultural research and practical agriculture. (Ge) Traktor Landmasch. 28(10):612-613. Aug. 1966. 58.8 T678Ag
- 10131 QUEBEC. CONSEIL DES RECHERCHES AGRICOLES. Recherches agronomiques; sommaire des résultats [Agricultural research; summary of results], 1964/1965. Rech. Agron. 10, 79 p. 1965. 7 R24
- 10132 SADASIVAN, G. Measurement techniques for qualitative characters in agricultural research. Indian J. Agron. 10(4):447-457. Dec. 1965. 22 In235
- 10133 STANEV, P. Sixtieth anniversary of Agricultural Scientific Research Institute "Obraztsov Chiflik" [Selskostopanski Nauchnoizsledovatel'ski Institut "Obraztsov Chiflik" in Ruse. (Bu) Selskostopanska Nauk. 4(3):91-101. 1965. 21 Se492
- 10134 SWAZILAND. DEPT. OF AGRICULTURE, RESEARCH DIV. Annual report of the research division 1964/65. n.p., 1965. 113 p. S338.3939
- 10135 TUCUMAN. ESTACION EXPERIMENTAL AGRICOLA. Memoria anual [Annual report], 1964. Tucuman. Estac. Exp. Agr. Publ. Misc. 18, 153 p. Mar. 1966. 102.5 T79P
- 10136 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. 1966 research progress. Wash. Agr. Exp. Sta. Circ. 461, 61 p. 1966. 100 W27S
- 10137 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Program of the Irrigated Agriculture Research and Extension Center, Prosser, Washington, 1965. Prosser, 1965. 19 p. 100 W274
Washington State University, College of Agriculture; U. S. Department of Agriculture; and Washington State Department of Agriculture, cooperating.
- 10138 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Program of the Irrigated Agriculture Research and Extension Center, Prosser, Washington, 1966. Prosser, 1966. 12 p. 100 W274
Washington State University, College of Agriculture; U. S. Department of Agriculture; and Washington State Department of Agriculture, cooperating.
- 10139 ZAMBIA. MINISTRY OF AGRICULTURE, RESEARCH BR. Annual report, 1965. n.p., 1965. 121 p., map. S338.23A3
- STATISTICS**
- 10140 VENEZUELA. OFICINA CENTRAL DE COORDINACION Y PLANIFICACION DE LA PRESIDENCIA DE LA REPUBLICA. Estudios de orientacion; documentos de estadistica agropecuaria [Orientation studies; documents on agricultural statistics]. Caracas, 1965. 234 p. Ref. HD1425.V4
Papers dealing with methodology.

NEW PERIODICALS AND SERIALS

- AGRICULTURAL science. No.1. 1965.pub. 1966. Suva, Dept. of Agriculture, Fiji. 24 F47B
- AGRISUL; boletim informativo. 1964. Pelotas, Ministerio da Agricultura, Instituto de Pesquisas e Experimentacao Agropecuarias do Sul. S15.A37
- AUBURN UNIVERSITY. SCHOOL OF AGRICULTURE. Newsletter. No.139. Jan.23,1965. Auburn. S537.A8A1
- AUSTRIA. BUNDESMINISTERIUM FÜR LAND- UND FORSTWIRTSCHAFT. Land- und forstwirtschaftliche Forschung in Österreich. v.1. June 1965. Wien. S7.A8
- BLACKWELDER MANUFACTURING CO. AGRICULTURAL ADVISORY DEPT. Bulletin. No.T-1. Rio Vista, California. S1.B55
- BOLETIN INFORMATIVO MANISERO. v.1. Oct.1965. Manfredi, Instituto Agroindustrial de Oleaginosos. SB351.P3B6
- COMISSAO EXECUTIVA DE DIVULGACAO AGRO-PECUARIA. Publicacoes. No.1. 1966. Luanda, Junta Provincial de Povoamento. S15.C6
- CONNECTICUT. GEOLOGICAL AND NATURAL HISTORY SURVEY. Vegetation of Connecticut natural areas. No.1. 1965. Hartford. QK151.A3C8
- CRYOBIOLOGY. v.1. Sept./Oct.1964. Rockville, Maryland, Society for Cryobiology. QH324.C7
- EAST-WEST CENTER. LIBRARY. Occasional paper. No.1. 1965. Honolulu. Z3001.E22
- ECUADOR. JUNTA NACIONAL DE PLANIFICACION Y COORDINACION ECONOMICA. DIV. DE ESTADISTICA Y CENSOS. Estadísticas del trabajo; índices de empleo y salarios. First Semes.1965. Quito. HD6321.A4
- ENTOMOPS. No.1. 1965. Nice. OL461.F53
- ESCUELA NACIONAL DE AGRICULTURA. COLEGIO DE POSTGRADUADOS. Catalogo. 1966. Chapingo. S539.M6E8
- FAIRFIELD EXPERIMENTAL HORTICULTURE STATION. Report. 1962.pub.1963. Greenhalgh, National Agricultural Advisory Serv., Ministry of Agriculture, Fisheries and Food. SB23.F3
- FIZIKA tverdogo tela [Solid state physics]. v.8.No.8. Aug.1966. Moskva, Akademiya Nauk SSSR. QC176.A1F5
- THE FLUE cured tobacco farmer. v.2.No.2. Feb.1965. Raleigh, North Carolina. SB273.A1F56
- FRANCE. DIRECTION GENERALE DES ETUDES ET DES AFFAIRES GENERALES. Situation agricole en France. v.1.No.1. Apr. 1965. Paris. S229.A3F7
- GEIGY CHEMICAL CORPORATION. GEIGY AGRICULTURAL CHEMICALS. Promotene information sheet. No.1. 1965. New York. 79.9 G27P
- HELMINTOZOY CSSR. v.1. 1963. V Bratislave, Slovenska Akademia Vied. QL386.A1H4
- IBARAKI (PROVINCE). Kaju byogalchu bojo kijun. 1964. Ami-machi. SB59.12
- INDEX bibliographique de botanique tropicale. v.2.No.1. 1965. Bondy, Office de la Recherche Scientifique et Technique Outre-mer, Section de Biologie Vegetale. Z5358.T715
- INDIAN SPICES. Overseas edition. v.1.No.1. 1964. Ernakulam, Spices Export Promotion Council. HD9210.I515
- INSTITUTE OF ANIMAL TECHNICIANS. Journal. v.17.No.1. Mar.1966. QL55.15
- INSTITUTO AGROPECUARIO NACIONAL. Boletín informativo. No.1. 1964. S170.15
- INSTITUTO DE BIOLOGIA MARINA. Boletín. No.5. Mar.1964. Mar del Plata. QH91.A15
- INSTITUTO COLOMBIANO DE LA REFORMA AGRARIA. DEPT. DE ESTUDIOS TECNICOS. Serie de estudios. No.3. July 1964. Bogota. 232.9 In72
- INTER-AFRICAN PHYTOSANITARY COMMISSION. Report on the activities. 1962/63. London. SB599.153
- KIKAN togyo shiho (Quarterly report on sugar industry data). No.2. 1964. Tokyo, Nihon Seito Kogyokai. 286.86 K55
- LATIN American business highlights. v.15. No.3. Third Q.1965. New York, Chase Manhattan Bank. HC121.L3
- LEATHER science. v.10.No.1. 1963. Adyar, Madras Central Leather Research Institute. TS940.L4
- MADRAS (STATE). RURAL DEVELOPMENT PROJECTS DEPT. Administration report. 1955/56.pub.1957. Madras. HN690.M32A3
- MATERIALY k faune Gruzii. No.1. 1966. Tbilisi, Akademiya Nauk Gruzinskoi SSR. Institut Zoologii. QL1.M3
- MEXICO (CITY). ESCUELA NACIONAL DE AGRICULTURA Y VETERINARIA. DEPT. DE PARASITOLOGIA. Memoria del Dia del parasitologo. 1963. No.1. 1964. Chapingo, Mexico. 436.9 M572
- THE MICHIGAN entomologist. v.1.No.1. July 1966. East Lansing, Michigan, Michigan Entomological Society. QL461.M5
- MOLDAVSKII NAUCHNO-ISSELEDOVATELSKII INSTITUT ZHIVOTNOVODSTVA I VETERINARI. Trudy. v.1. 1963. Kishinev. SF1.M6
- NATURVARD. v.1. May 1965. Solna, Statens Naturvardsnämnd. S900.N3
- NIGERIAN INSTITUTE FOR OIL PALM RESEARCH. Annual report, 1964/65. No.1. 1965. Benin City. SB299.P3N6
- NOTIFRUT. v.1.No.13. Mar.28,1966. Buenos Aires. HD9254.A7N6
- ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Main economic indicators. Principaux indicateurs économiques. Third Q.1965. Paris. HB225.O7
- PLANT varieties & seeds gazette. No.13. Mar.1966. London. SB123.A2P5
- PUERTO RICO. UNIVERSITY. INSTITUTE OF CARIBBEAN SCIENCE. Status of zoological research in the Caribbean. No.6. Sept.1964. Mayaguez. Z1595.P8
- QUEBEC horticole. v.4.No.1. Mar.1965. Montreal. SB7.Q8
- SCIENTIFIC and technical digests. v.2.No.3. Sept.1963. Saskatoon, Saskatchewan Research Council, Information Services Division. Z7913.S3
- SEDIMENTATION; annotated bibliography of foreign literature—survey. No.1. 1959/64. pub.1965. Jerusalem, Israel Program for Scientific Translations. Z6033.S4S4
- SIL'S'KE budivnytstvo. No.4. Apr.1966. Kyiv, Ministerstvo Sil's'koho Budivnytstva Ukrain's'koi RSR. TH4911.A1S5
- SPICES bulletin. 1963. Ernakulam, Spices Export Promotion Council. HD9210.1556
- STROITEL'NYE materialy. No.8. Aug.1966. Moskva, Ministerstvo Promyshlennosti Stroitel'nykh materialov SSSR. TA400.S75
- SWITZERLAND. INSPEKTION FÜR FORSTWESEN, JAGD UND FISCHEREI. Schweizerische Forststatistik. 1963. 1965. Bern, Statistisches Amt. SD79.A3
- TEXTILE RESEARCH INSTITUTE. Technical report—on Contract No. Nonr-4184(00) and Nonr-4184(01). No.6. May 1965. Princeton. TS1300.T4
- THURGAUER BAUER. Frauenfeld. No.7. Feb.13,1965. Thurgauischer Landwirtschaftlicher Kantonalverband. S16.S975
- UGANDA quarterly digest of statistics. No.1. Dec.1965. Entebbe, Statistics Division, Ministry of Planning and Community Development. HA1977.U35A3
- UNIVERSITE LOVANIUM. INSTITUT DE RECHERCHES ECONOMIQUES ET SOCIALES. Cahiers économiques et sociaux. Economic and social papers. v.2.No.3. 1964. Leopoldville. HB3.U5
- U. S. BUR. OF THE CENSUS. Current industrial reports. Series: M22A. Woven fabrics: production, inventories, and unfilled orders. Jan.19,1965. Washington. TS1323.A3

U. S. BUR. OF THE CENSUS. U.S. exports & imports by air. Jan.1965. Washington. HF105.A3
 U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. U.S. Forest Service resource bulletin PSW. No.1. 1965. Berkeley, California. aSD11.A3

U. S. LIBRARY OF CONGRESS. Library of Congress PL-480 newsletter. No.10. Jan. 1966. Washington. Z672.A2U5
 WEST PAKISTAN. DIRECTORATE OF LIVE-STOCK FARMS. Bulletin. No.1. 1964. Lahore. SF1.W4
 ZAMBIA. MINISTRY OF AGRICULTURE. RESEARCH BR. Annual report, 1963/64. 1964. Chilanga. S338.Z3A3

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

*ABRAROV, A. A. The increase in importance of the pentose phosphate pathway of respiration during drought and its dependence on nucleic acid synthesis. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:142-144. Ref. July/Dec. 1965. 511 P444Ae

AHMAN, G. Baltic herring and ordinary herring as food for minks. 10 p. Transl. 16101
 Translation from Vara Palsdjur 3:80-84. Mar.15,1965.

AHMAN, G. New experimental technique makes possible precise studies of hair growth. 4 p. Transl. 16097

Translation from Vara Palsdjur 35(12):180-182. Dec.1,1965.

AHMAN, G. Soybean oil as food for mink. 8 p. Transl. 16096

Translation from Vara Palsdjur 36(7):254-256,260-261. July 15,1965.

AHMAN, G. Stromming and South Coast herring as food for breeding mink. 6 p. Transl. 16095

Translation from Vara Palsdjur 35(3):50-52. Mar.15,1964.

AKINO, K. Repellent-like reaction of leaf hoppers against DDT. 4 p. Transl. 16210

Translation from Kanto Tozan Plant Disease and Insect Pest Research Society 11:66. 1964.

AKOPYAN, E. SH. Decontamination of fodder contaminated with the anthrax pathogen. 10 p. (JPRS 9562; OTS 61-23898) Transl. 14858

With formaldehyde.

Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Veterinarnoi Sanitatsii. Trudy 15(15):204-212. 1959.

Issued by CFSTI.

ALEKSANDRYAN, K. V. The use of vibrations on subsoilers operating in compacted stony soils. 3 p. Transl. 16099

Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 21(3):49-50. 1963.

ALEKSEEVSKII, E. E. Large-scale development of land improvement to obtain high and stable yields of grain and other agricultural crops. 25 p. (JPRS 35,878; TT 66-32312) Transl. 16028

Translation from Izvestiya May 28,1966:3-5. CFSTI. \$2.00

ALLAKHVERDIYAN, D. A., ed. Soviet financial system. 352 p. HC186.U4A43

Translation of Finansy SSSR

AMATATSU, K., and YOSHIZAWA, N. Usage and effect of herbicide-PCP for paddy field. 14 p. Transl. 15809

Translation from Nogyo Gijutsu 14(6):262-264. 1959.

ANDERSSON, B., and SAMUELSON, O. Penetration of electrolytes in cellulose fibers. I. 20 p. Ref. Transl. 16209

Translation from Svenskt Papperstidning 61 (23):1001-1009. Dec.15,1958.

*ANGERT, L. G., MIKHAILOVA, G. N., and KUZ'MINSKII, A. S. The effect of oxidation inhibitors on mechanochemical processes in rubbers. Polymer Sci. U.S.S.R. 7(12):2206-2211. Ref. 1965. 381 P763

ANTONOV, S. Progress in the meat and dairy industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 135:1-9. Sept.6,1966. (JPRS 37,450; TT 66-33878) 173 J663Tro

Translation from Sovetskaya Torgovlya 7:6-11. July 1966.

Issued by CFSTI.

ARAI, H. Plowing, land preparation and seedling methods for direct seeding on dry land cultivation in rice culture. 9 p. Transl. 16208

Translation from Chugoku Agricultural Research 29:47-50. June 1964.

*ASHUR, N. I., and OSIPOVA, O. P. Effect of the spectral composition of light on the photosynthetic apparatus of plants. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:105-109. Ref. July/Dec.1965. 511 P444Ae

*BABAK, N. M. Importance of carbon source in medium for the count of Azotobacter in saline soils of Moldavia. Microbiology 34(5):756-758. Sept./Oct.1965. 448.3 M582Ae
 BAC, S. The influence of plowing on soil displacement. 12 p. (OTS 61-11336) Transl. 15014

Translation from Research on Soil Erosion in Poland.

CFSTI. \$0.50.

*BALABAEVA, M. D., and others. IR structural study of some cellulose graft copolymers. Polymer Sci. U.S.S.R. 7(10):1941-1945. Ref. 1965. 381 P763

E. F. Sharkova, R. G. Zhibankov, A. D. Virnik, and Z. A. Rogovin, joint authors.

BARRETT, W. H. G., and GOLFARI, L. Description of two new varieties of the pine of the Caribbean (Pinus caribaea Morelet). 8 p. Transl. 15531

Translation from Caribbean Forester 23(2):59-71. 1962.

BAZILEVIC, N. I., and RODIN, L. E. The biological cycle of nitrogen and ash elements in plant communities of the tropical and subtropical zones. Forest. Abs. 27(3):357-368. 1966. 241.01 Im7

Review of the literature.

Translation from Botanicheskii Zhurnal 49 (2):185-209. 1964.

*BEI-BIENKO, G. YA. Sixty-five years of service to entomology—in memory of J. A. G. Rehn. Entomol. Rev. 44(3):417-418. July/Sept.1965. 421 R322Ae

BEKRIC, V. The possibilities for the development of agriculture in hilly and mountainous areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 472:7-20. Sept.2,1966. (JPRS 37,419; TT 66-33847) 173 J663Ste

Translation from Glasnik za Poljoprivredu i Zadrugarstvo 7:15-24. July 1966.

Issued by CFSTI.

- BELIK, V. F. The development of tomatoes and the concentration of cell sap in their leaves at different soil moisture contents. 4 p. (TT 64-19134) Transl. 15488
Translation from Botanicheskii Zhurnal 7: 1063-1066, 1960.
Issued by CFSTI.
- BELOHLAWEK, L. Changes of the sub-strata-specificity of proteolytic enzyme-systems during germination and malting. 8 p. Transl. 15524
Translation from Getreide und Mehl 15(1):9-12, 1965.
- BONAZZI, A. Studies on the physiology of tobacco. VII. Topography of soluble ashes. 6 p. Transl. 16102
Translation from Venezuela. Universidad Central. Facultad de Agronomía. Revista 1:219-222, 1954.
- BOOM, B. K., and KLEIN, H. Grosses Fotoalbum der Baume [The big picture book of trees]. 195 p. Ref. QK487.B63
Translation of Bomen/Hun Vorm en Kleur.
- BORDEIANU, C. New feeds for Rumanian animal husbandry. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 473:12-14, Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663Ste
Translation from Scinteia 35(7053):1,3, July 27, 1966.
Issued by CFSTI.
- BORGIOLO, E., and BONSEMBIANTE, M. A new industrial feed, the protein concentrate of sugar beets, and its application in cattle feeding. 16 p. (TT 63-16163) Transl. 16036
Translation from Agricoltura delle Venezie Nov./Dec. 1957:594-608.
Issued by CFSTI.
- BOROVIK, V. Pond fish breeding problems in the RSFSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 133:8-12, June 30, 1966. (JPRS 36,271; TT 66-32704) 173 J663Tso
Translation from Planovoe Khozyaistvo 5: 93-95, May 1966.
Issued by CFSTI.
- BREEV, K. A. Behavior of bloodsucking dipterans and gadflies in attacking reindeer and response reaction of reindeer. II. Herd formation in the reindeer as a factor in protection against attacks of bloodsucking pests and gadflies. 16 p. (TT 63-23704) Transl. 15277
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 13:343-354, 1951.
Issued by CFSTI.
- BREEV, K. A., and KARAZEEVA, Z. F. Materials on biology of Oedemagena tarandi L. Observations on periods of embryonic development and habits of first-instar larvae. 6 p. (TT 63-23595) Transl. 15154
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Otdel Parazitologii 14: 95-102, 1952.
Issued by CFSTI.
- *BREGETOVA, N. G. Generic groupings of the rhinonyssid mites (Mesostigmata, Rhinonyssidae) that are parasites of birds. I. The new genus Sternostomoides. Entomol. Ref. 44(3): 415-416, Ref. July/Sept. 1965. 421 R322Ae
- *BUDYKO, M. I., and GANDIN, L. S. On the theory of photosynthesis in the layer of plant covering. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:122-125, July/Dec. 1965. 511 P444Ae
- BURDELEV, T. E., ZHIL'TSOV, V. G., and DEMIDOVA, N. V. The effect of feed contaminated with Aspergillus fumigatus and of decontaminated feed on fowl. 5 p. Transl. 15223
Translation from Moscow. Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Doklady 61:235-241, 1961.
- *BELOSTOKOV, G. P. Morphogenic features of leaf primordia of certain Far-Eastern woody plants. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:139-141, July/Dec. 1965. 511 P444Ae
- *CHALAKHYAN, M. KH., and SARKISOVA, M. M. Dynamics of natural gibberellins in seedless and seed-bearing grapes in relation to the influence of gibberellic acid. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:177-180, Ref. July/Dec. 1965. 511 P444Ae
- CHAYANOV, S. K. 50 years' experience in the semidesert zone. 19 p. (TT 65-50125) Transl. 16107
Translation from Akademiya Nauk SSSR. Seriya Biologicheskaya. Izvestiya 5:698-713, 1959. CFSTI: \$1.00.
- CHAZE, J. On the mode of cytological formation and the detection of alkaloids in the tobacco seedling. 9 p. Transl. 16105
Translation from Bulletin d'Histologie 5:253-259, June 1928.
- CHOJNACKA, H. Price changes in farm products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 470:1-6, Aug. 26, 1966. (JPRS 37,252; TT 66-33681) 173 J663Ste
Translation from Zycie Gospodarcze 30:6, July 24, 1966.
Issued by CFSTI.
- CHU, K. Some characteristic features of Chinese climate and their effects on crop production. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 338:18 p., map, Ref. Aug. 25, 1966. (JPRS 37,233; TT 66-33662) 173 J663Tcco
Translation from Acta Geographica Sinica 30 (1):1-11, Mar. 1964.
CFSTI: \$1.00.
- *CHUMAKOVA, B. M. The role of the parasite Aspidiotiphagus citrinus (Craw) (Hymenoptera, Aphelinidae) in reducing the numbers of injurious scale insects in the subtropical regions of Russia. Entomol. Ref. 44(3):305-308, Ref. July/Sept. 1965. 421 R322Ae
- COB, M., DEL VAL, and SUNE, N. O. Food preservation by irradiation. I. Evolution and present status in the world. 62 p. (AEC-Tr-6690) Transl. 16213
Translation from Junta de Energia Nuclear 158/SI/1 15, 1965.
CFSTI: \$3.00.
- DAMBA, R. A need for more efficient use of irrigation projects. U. S. Joint Publ. Res. Serv. Transl. Mongolia 117:18-20, Sept. 28, 1966. (JPRS 37,889; TT 66-34317) 173 J663Tmo
Translation from Unen, Apr. 11, 1966:2.
- *DAVIDEK, I., and SIL'YANOVA, YU. Polarographic determination of chlorogenic acid. Biochemistry (Biokhimiya) 30(5):798-802, Sept./Oct. 1965. 385 B523Ae
- DAVIS, R. F. La vaca lechera, su cuidado y explotación [Dairy cow; its care and management]. Mexico, 1966. 344 p., map, Ref. SF239.D33
Translation of Modern Dairy Cattle Management.
- DAVYDOVA, YU. S. Azeotropic method of obtaining fish meal. 8 p. (JPRS 23,470; OTS 64-21691) Transl. 15480
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy 45:139-142, 1962.
CFSTI: \$0.50.
- *DEMINA, A. S., YAKOVLEV, V. I., and KRETOVICH, V. L. Malate dehydrogenase and glyoxylate reductase of Aspergillus niger. Biochemistry (Biokhimiya) 30(5):822-827, Ref. Sept./Oct. 1965. 385 B523Ae
- DENIEL, J., NOUY, J., and MADEC, P. Cold treatment of seed potatoes. 8 p. (TT 64-14268) Transl. 16043
Translation from International Institute of Refrigeration. Bulletin. Suppl. Annex 5/7:71-78, 1963.
Issued by CFSTI.
- DENISOVA, Z. M. On the comparative ecology of blood-sucking dipterans. I. Double significance of the crop in the water balance of mosquitoes. 12 p. Ref. (TT 63-23175) Transl. 15275
Translation from Zoologicheskii Zhurnal 22 (4):214-221, 1943.
Issued by CFSTI.
- DMOCHOWSKI, M. Main trends of Polish trade with European socialist countries during 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 293:14-20, Sept. 14, 1966. (JPRS 37,611; TT 66-34039) 173 J663Tree
Translation from Sprawy Miedzynarodowe 6: 12-21, June 1966.

- *DORDEVIC, V., and MLJATOVIC, M. Effect of fertilization on the productivity, botanical composition and quality of hay on Nardetum strictae meadow. J. Sci. Agr. Res. 18(59):5-22. Ref. 1965. 21.5 Y9Ae
- DRAGOS, T. New machinery for Rumanian agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 473:6-8. Sept. 9, 1966. (JPRS 37,506; TT 66-39334) 173 J663Ste
- Translation from Scinteia 35(7034):3. July 8, 1966.
- Issued by CFSTI.
- DROUINEAU, G., GOUNY, P., and MAZOYER, R. The influence of limestone on plant nutrition. 27 p. Ref. (TT 64-10306) Transl. 16045
- Translation from Annales Agronomiques 3: 368-381. 1950.
- Issued by CFSTI.
- DZHABAROV, E. Ice cream shortage in Azerbaydhan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 135:18-19. Sept. 6, 1966. (JPRS 37,450; TT 66-33878) 173 J663Tro
- Translation from Vyshka, July 16, 1966:3.
- Issued by CFSTI.
- ENGULATOV, I. A., EREMENTOV, G. V., and USMANOV, A. On critical depth of underground waters. 22 p. Ref. Transl. 15532
- Translation from Gidrotekhnika i Melioratsiya 7:21-30. July 1964.
- *EROSHIN, V. K., PERTSOVSKAYA, A. F., and SKRYABIN, G. K. Growth of Mucorales on paraffin. Microbiology 34(5):769-773. Sept./Oct. 1965. 448.3 M582Ae
- *EVGENII Nikanorovich Pavlovskii (1884-1965). Entomol. Rev. 44(3):277-278. July/Sept. 1965. 421 R322Ae
- EXPERIMENTS with addition of acetic acid and phosphoric acid to the feed of milk wheelps. 8 p. Transl. 16205
- Translation from Vaara Paelsdjour 2:69-72, 75. Feb. 15, 1966.
- *FERCEJ, J. Contribution to the study of Sivorjasko cattle (a native Slovenian brown Alpine breed). J. Sci. Agr. Res. 18(59):53-98, map. Ref. 1965. 21.5 Y9Ae
- FILIPPOVA, N. A. Diagnosis of certain species of ixodid ticks of the genus Ixodes Latr. (subgenus Ixodes, s. str.) according to larvae and nymphs. 14 p. (TT 64-15063) Transl. 15274
- Translation from Zoologicheskii Zhurnal 33 (1):69-76. 1954.
- Issued by CFSTI.
- FILIPPOVA, N. A. Materials on ticks belonging to the subfamily Argasinae. 1. Adult ticks and larvae of the genus Argas Latr., group reflexus. 9 p. Ref. (TT 64-15621) Transl. 15159
- Translation from Zoologicheskii Zhurnal 40 (12):1815-1826. 1961.
- Issued by CFSTI.
- FILIPPOVA, N. A. Systematic groups of Palearctic ticks of the subfamily Ixodinae. 6 p. Ref. (TT 64-15620) Transl. 15158
- Translation from Moskovskoe Obozhestvo Ispytatelei Prirody. Byulleten' 62(6):31-34. 1957.
- Issued by CFSTI.
- FRESE, H., and ALTEMULLER, H. J. Concerning morphological observations in the plowed areas. 7 p. Transl. 16008
- Translation from Grundlagen der Landtechnik, No. 15. 1963.
- FREY-WYSSLING, A. The formation of resin pockets. 4 p. Transl. 14761
- Translation from Holz als Roh- und Werkstoff 9:329-332. June 1958.
- FUNABASAMA, K. On the occurrence of the 2nd generation of rice stem borer and its damage. 4 p. Transl. 16112
- Translation from Society of Plant Protection of North Japan. Annual Report 12:82-83. 1964.
- FUNAKOSHI, S. Effect of depth of transplantation on the growth and yield of the rice plant. 13 p. Transl. 15537
- Translation from Crop Science Society of Japan. Proceedings 31(1):69-72. Sept. 1962.
- *CAVRILENKO, V. F., GUZHOVA, N. V., and RUBIN, B. A. Some peculiarities of the Porphyrin metabolism of compounds in the roots and aboveground organs of plants. Acad. Sci. USSR, Dokl. Bot. Sci. 163:165-148. Ref. July/Dec. 1965. 511 P444Ae
- GEIGER, R. The climate near the ground. 611 p. QC861.G43
- Translation of Das Klima der bodennahen Luftschicht.
- *GERASIMENKO, L. M. Morphological and cytological changes in some algae produced by colchicine, chlortetracycline, and trypanflavine. Microbiology 34(5):741-745. Ref. Sept./Oct. 1965. 448.3 M582Ae
- *GEYSPTS, K. F. Photoperiodic and temperature reactions affecting the seasonal development of the pine moth Dendrolimus pini L. and D. sibiricus Tschetv. (Lepidoptera, Lasiocampidae). Entomol. Rev. 44(3):316-325. Ref. July/Sept. 1965. 421 R322Ae
- GIARVINI, I. On the races of Acarapis woodi Ren. Arch. Zool. Ital. 29:1-24. 1941.
- Bee Cul. Br. Libr. Transl.
- GILLARD, A., and LAERE, O. VAN. The construction of an observation hive with "perspex." 3 p. Transl. 14454
- Translation from Revue de l'Agriculture 10: 231-236. Feb. 1957.
- GIORDANI, G. Diseases of adult bees: acariosis. In Giordani, G. and Vecchi, M. A., Nozione pratiche sulle malattie delle api. p. 79-108. 1960. Bee Cul. Br. Libr. Transl.
- GIORDANI, G. A few considerations about the chemical control of acarine disease in Italy. Bulletin Apicole 3(1):29-36. 1960.
- Bee Cul. Br. Libr. Transl.
- GIORDANI, G. Laboratory research on Acarapis woodi Rennie, agent of acariosis of bees (Apis mellifera L.). L'Apicoltore d'Italia 39 (1):4-7; (2):27-30. 1962.
- Bee Cul. Br. Libr. Transl.
- GIRBARDT, M. A method of comparing living fungi with fixed specimens. 6 p. Transl. 15178
- Translation from Zeitschrift für wissenschaftliche Mikroskopie und Mikroskopische Technik 63(1):16-21. 1956/1958.
- *GJURASIN, B. A study of the effect of fertilization on the botanical composition of grasslands of the Slavonska Pozega region. J. Sci. Agr. Res. 18(59):23-36. Ref. 1965. 21.5 Y9Ae
- GLUKHOVA, V. M. The gonotrophic cycle in biting midges of the genus Culicoides (Diptera, Heleidae) in the Karelian ASSR. 24 p. Ref. (TT 63-23817) Transl. 15273
- Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 18:239-254. 1958.
- Issued by CFSTI.
- *GOLOVACHEVA, R. S., GOROVA, L. A., and LOGINOVA, L. G. Ecology and systematics of aerobic obligate-thermophilic bacteria isolated from thermal localities on Mount Yangan-Tau and Kunashir Isle of the Kuril chain. Microbiology 34(5):693-698. Ref. Sept./Oct. 1965. 448.3 M582Ae
- GONDAR, E. Application of a high frequency field of force for processing of various oil seeds. 22 p. Transl. 15490
- Translation from Nahrung 5(1):49-65. 1961.
- *GORBACHEV, YU. G., and others. Hydrochlorination kinetics of natural and synthetic isoprene rubbers. Polymer Sci. U.S.S.R. 7(9): 1820-1824. 1965. 381 P763
- K. A. Gorbatoeva, O. N. Belyatskaya, and V. Ye. Gul', joint authors.
- GRANDJOT, F. W. Forestry at the balcony of the black continent; forest impressions during a trip to Tunisia. 12 p. Transl. 15538
- Translation from Programme Elargi d'Assistance Technique. FAO No. 1484. L'amélioration des Eucalyptus rapport au gouvernement de la Tunisie. 1962.
- *GRUNIN, K. YA. Notes on the biology of a genus of flies new to the USSR—Mixocordylura Hendel (Diptera, Cordyluridae). Entomol. Rev. 44(3):344. July/Sept. 1965. 421 R322Ae

- GULA, P. Development of cooperation in the veterinary field among CEMA [Council for Mutual Economic Assistance] member countries. 8 p. Transl. 16211
Translation from Veterinarstvi 12:529-531. Dec. 1965.
CFSTI: \$1.00.
- GUSEV, V. M., and others. The role of birds in the spread of ticks and fleas. According to material collected in Azerbaijan SSR. 7 p. Ref. (TT 64-15653) Transl. 15256
A. A. Guseva, E. A. Petrosyan, and Yu. K. Elgelis, joint authors.
Translation from Zoologicheskii Zhurnal 41 (3):905-912. 1962.
Issued by CFSTI.
- HAIGHTON, A. J. The consistency of margarines and fats. 9 p. Ref. (TT 64-10181) Transl. 16015
Translation from Fette, Seifen, Anstrichmittel 65(6):479-482. June 1963.
Issued by CFSTI.
- HALVORSEN, J. European foulbrood. Tidskrift for Biavl 97:176-180. 1963.
Bee Cul. Br. Libr. Transl.
- HANAYAMA, Y. Reconsideration to estimating method of water requirement of paddy field area. 20 p. Transl. 16016
Translation from Japan. Agricultural Engineering Society. Journal 32(1):15-23. July 1964.
- HANZL, D., and VUCETIC, V. The introduction of conifers into the deciduous forests of Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 474:1-21. Sept. 14, 1966. (JPRS 37,615; TT 66-34043) 173 J663Ste
Translation from Sumarski List 5/6:310-322. May/June 1966.
Issued by CFSTI.
- HARASIM, E. Exports of animal products and imports of grains and seed. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 293:1-13. Sept. 14, 1966. (JPRS 37,611; TT 66-34039) 173 J663Tree
Translation from Handel Zagraniczny 11(7):292-297. 1966.
- HASHIDA, N. A study concerning difference in the growth and damage of rice stem borer in large paddy fields under various soil conditions. I. Difference in the growth of larvae of rice stem borer in rice plants, by types of soil, and their damage. 7 p. Transl. 16198
Translation from Nogyo Oyobi Engei 39(5):91-92. May 1964.
- HASHIDA, N. A study concerning difference in the growth and damage of rice stem borer in large paddy fields under various soil conditions. II. Degrees of damage on rice plants, the wear of mandibles of rice stem borer, its weight and the shape of its feces. 6 p. Transl. 16199
Translation from Nogyo Oyobi Engei 39(11):93-94. Nov. 1964.
- HERAN, H. Perception and regulation of the characteristic speed of flight in *Apis mellifica* L. Ztschr. f. Vergl. Physiol. 42:103-163. 1959. Bee Cul. Br. Libr. Transl.
- HIROHARA, M. On the secondary effect of great-spread aerial dusting against the 1st generation larvae of rice stem borer. 3 p. Transl. 16114
Translation from Kanto-Tosan Plant Protection Society. Proceedings 11:59-60. 1964.
- HORVATH, Z. Development of veterinary internal medicine over the past 20 years in Hungary. 11 p. (JPRS 36,193; TT 66-32626) Transl. 16115
Translation from Magyar Allatorvosok Lapja 3:97-100. 1966.
CFSTI: \$1.00.
- HOU, K., and CHANG, S. Studies of the plasticity of soils in China. 9 p. (TT 65-50068) Transl. 15499
Translation from Pochvovedenie 5:17-24. 1956.
CFSTI: \$1.00.
- HRDLICKA, J., and KMONICEK, J. Manufacture of precooked rice. 8 p. Transl. 15227
Translation from Prumysl Potravin 14(5):262-265. 1963.
- HSU, H. C. An agricultural insect trap using black light. 10 p. Transl. 15496
Translation from Dianshijie 16(8/11):323-324. Aug./Nov. 1963.
- ILITIS, H. Life of Mendel. New York, Hafner, 1966. 336 p. QH31.M4514
Translation of Gregor Johann Mendel, Leben, Werk und Wirkung.
- IMAMURA, K. Reexamination of the method of forecasting the outbreak of the second generation rice stem borer. 9 p. Ref. Transl. 16193
Translation from Proc. Assoc. Plant Protect. Hokuriku 12:7-9. 1964.
- ISHIDA, Y., CHIKURA, S., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. II. The direct sowing rice culture on dry field by the efficient use of large-sized farm machinery and some problems. 4 p. Transl. 16192
Translation from Kyushu Agricultural Research 27:29. July 1965.
- ISHIDA, Y., MORIYAMA, Y., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. III. On the broadcast sowing culture of rice in submerged field. 4 p. Transl. 16191
Translation from Kyushu Agricultural Research 27:31. July 1965.
- *ISTOMINA-TSVETKOVA, K. P. Notes on the functions of communication in the honey bee *Apis mellifera* L. (Hymenoptera, Apidae). Entomol. Rev. 44(3):332-336. Ref. July/Sept. 1965. 421 R322Ae
- ITO, H., and others. A study of a labor-saving method to control rice diseases and pests. 5 p. Transl. 16190
T. Hashimoto, R. Igarashi, H. Sekizawa, S. Ito, and B. Chiba, joint authors.
Translation from Society of Plant Protection of North Japan. Annual Report 15. Sept. 1964.
- ITO, S., and ISHIZUKA, K. On the causal fungus of sesamoid leaf spot (leaf smut) of rice plant. 5 p. Transl. 16189
Translation from Phytopathological Society of Japan. Annals 4:66-68. Dec. 1934.
- IVANOV, V. Need for reorganization of agricultural machine-building in north Caucasus. 4 p. (JPRS 31,263; TT 65-31760) Transl. 15359
Translation from Pravda, June 23, 1965:2.
CFSTI: \$1.00.
- *IVANOV, V. I. The role of soil microorganisms in interactions between higher plants involving root excretions. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:169-172. Ref. July/Dec. 1965. 511 P444Ae
- *IVANOVA, T. M., DAVYDOVA, M. A., and RUBIN, B. A. On the fungistatic effect of phenols and their role in plant immunity. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:135-138. Ref. July/Dec. 1965. 511 P444Ae
- IWATA, I., and BABA, I. Studies on the varietal adaptability for heavy manuring in rice. 2. Effects of silica on the adaptability of rice plants for heavy manuring in relation to photosynthesis. 9 p. Ref. Transl. 16122
Translation from Crop Science Society of Japan. Proceedings 30:237-240. 1962.
- IZARD, C. Biochemical researches on the pigment of *Nicotiana glauca* Grah. 13 p. Transl. 16119
Translation from Bergerac. Institut Experimental du Tabac. Annales 3(1):67-76. 1958.
- JAYME, G., and HARDERS-STEINHAUSER, M. Microscopic investigation of *Arundo donax* L. and the cellulose made from it. 4 p. Transl. 15540
Translation from Papier-Fabrikant 40(23/24):89-93. 1942.
- JOFFE, A. Z., JACKEVICIUS, A., and IESMAN-TAITE, N. Antibiotic effect of certain *Penicillium* fungi on *Staphylococcus* in vitro and in vivo. 9 p. (TT 65-50109) Transl. 15494
Translation from Acta Inst. Exp. Med. Acad. Sciences Lithuanian SSR 3/4:185-192. 1958.
CFSTI: \$1.00.

- JOPPIEN, P. H. Identification and determination of vanillin and ethyl vanillin in foods. 16 p. Transl. 16070.
Translation from Zeitschrift für Lebensmittel-Untersuchung und Forschung 115(1):20-26. 1961.
- JUSTIFIED application of Chile salt-peter. 5 p. (TT 63-16057) Transl. 15971.
Translation from Maandbl. Landbouwwoorld 9 (12):454-455. Dec. 1952.
Issued by CFSTI.
- KALINA, M. Shear stress on plywood gussets in glued trusses. 7 p. Transl. 16126.
Translation from Holz als Roh- und Werkstoff 23:394-396. Oct. 1965.
- KALNINS, A. Plasticized wood. 9 p. Transl. 16187.
Translation from Latvijas PSR Zinatnu Akademijas Vestis 4:48-55. 1964.
- *KALYUZHNYI, M. YA., PETRUSHKO, G. M., and NOVIKOVA, G. P. Flocculation of *Candida utilis* and *Candida tropicalis* yeast cells and its relation to flotation. Microbiology 34(5):800-805. Ref. Sept./Oct. 1965. 448.3 M582Ae
- *KANDYBINA, M. N. The larvae of fruit flies of the genus *Carpomyia* A. Costa (Diptera, Trypetidae). Entomol. Rev. 44(3):390-394. Ref. July/Sept. 1965. 421 R322Ae
- *KARMANOV, V. G., and MELESHCHENKO, S. N. Certain data on the influence of mineral nutrition on the water relations of plants. Acad. Sci. USSR, Dokl. Bot. Sci. 163/165:130-131. July/Dec. 1965. 511 P444Ae
- *KARPOVA, A. I. The species of insect pests in permanent maize fields and variations in their numbers. Entomol. Rev. 44(3):291-295. July/Sept. 1965. 421 R322Ae
- *KHESIN, R. B. Hundredth anniversary of genetics. Biochemistry (Biokhimiya) 30(5):942-948. Sept./Oct. 1965. 385 B523Ae
- *KHMEI', I. A., and GABINSKAYA, K. N. Effect of aeration on the growth of *Azotobacter vinelandii* on various carbon sources. Microbiology 34(5):661-664. Sept./Oct. 1965. 448.3 M582Ae
- *KIND, T. V. Neurosecretion and voltinism in *Orygia antiqua* L. (Lepidoptera, Lymantriidae). Entomol. Rev. 44(3):326-327. July/Sept. 1965. 421 R322Ae
- *KLYACHKO, N. L., and KULAIEVA, O. N. The periodicity of protein synthesis in tobacco leaves. Acad. Sci. USSR, Dokl. Bot. Sci. 163/165:115-117. July/Dec. 1965. 511 P444Ae
- KOLB, E. Physiologie des animaux domestiques [Physiology of domestic animals]. 918 p. Ref. SF768.K6
Translation of Lehrbuch der Physiologie der Haustiere.
- KOLESNIKOV, P. A. Catalytic action of glycolic acid upon oxidation of chlorophyll in ground leaves. 6 p. Transl. 15284.
Translation from Akademiya Nauk SSSR. Doklady 60:1353-1355. 1948.
- KOLESNIKOV, P. A. The role of glycolic acid in the oxidative metabolism of green cells. 18 p. Ref. Transl. 15285.
Translation from Biokhimiya 13(4):370-377. 1948.
- KOLOBOV, G. G. Experimental investigations of specific contact pressure distributions of pneumatic tractor tires on soil. 11 p. Transl. 16127.
Translation from Traktory i Sel'khoz mashiny 30(12):15-18. 1960.
- KOMISSAROV, G. G., and others. Dependence of the photosensitizing activity of chlorophyll adsorbed on capron on the surface concentration. 3 p. (TT 63-18607) Transl. 15287.
V. A. Gavrilova, L. I. Nekrasov, N. I. Kobozov, and V. B. Evstigneev, joint authors.
Translation from Akademiya Nauk SSSR. Doklady 150:174-175. 1963.
Issued by CFSTI.
- KORSHAKOV, P. N. Effect of cobalt in increasing the nutritive value of yeast-enriched feeds. 3 p. Transl. 15229.
Translation from Zhivotnovodstvo 5:61-63. 1953.
- KORTING, A. Analysis of the time factor and the expected mortality of the longicorn beetles when subjected to chemical treatment. 2 p. Transl. 15195.
Translation from Kursberichte aus der Bauerschung 5(7):116-117. 1964.
- KORTING, A. Decrease in the weight of beams infested with larvae of the house longhorn beetle [*Hylotrupes bajulus*]. 11 p. Transl. 15763.
Translation from Nachrichtenblatt des Deutschen Pflanzenschutzdienstes 15(11):167-171. 1963.
- KOVALENKO, Y. R., SIDOROV, M. A., and BURBA, L. G. Biological properties of African swine fever virus. 11 p. Ref. Transl. 15763.
Translation from Vsesoyuznaya Akademiya Sel'skhozhozyaistvennykh Nauk. Doklady 1:35-40. 1964.
- KOVAL'SKAYA, L. P., and SILAEVA, S. V. Preliminary research in the study of the action of ionizing rays on the storage life of fresh tangerines. 9 p. Transl. 15230.
Translation from Konservnaya i Ovoshchesushil'naya Promyshlennost' 9:26-29. 1963.
- KOYA, S., MORI, M., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. IV. Some problems in applying large-sized farm machinery in paddy field. 3 p. Transl. 16185.
Translation from Kyushu Agricultural Research, No. 27. July 1965.
- KOYA, S., MORI, M., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. V. The characters of combine harvester in paddy field. 3 p. Transl. 16184.
Translation from Kyushu Agricultural Research, No. 27. July 1965.
- KOYAMA, T., and others. Studies on the direct-sowing rice culture in warmer regions. 14 p. Transl. 16183.
K. Inoue, S. I. Abe, S. Ishihara, T. Takezono, and H. Hiraoka, joint authors.
Translation from Kyushu Nogyo Kenkyu 27:24-27. July 1965.
- *KOZLOV, M. A. On parasitic Hymenoptera of the subfamilies Teleasinae and Telenominae (Hymenoptera, Scelionidae) in the USSR. Entomol. Rev. 44(3):364-367. July/Sept. 1965. 421 R322Ae
- *KRIVOLUTSKIY, D. A. New species of beetle mites (Acariformes, Oribatei) from the Taiga zone of the USSR. Entomol. Rev. 44(3):413-414. July/Sept. 1965. 421 R322Ae
- *KRIVOSHEINA, N. P. New material on the taxonomy of dendrophilous chameleon flies (Diptera, Stratiomyidae) and their larvae. Entomol. Rev. 44(3):383-389. July/Sept. 1965. 421 R322Ae
- KRYZHENKOV, A. N., and KREITZBERG, V. E. Sanitary evaluation of products treated with methyl bromide. 9 p. Ref. (TT 62-16268) Transl. 15318.
Translation from Gigiena i Sanitariya 22(7):86-88. 1957.
Issued by CFSTI.
- KRZYWONOS, J. Suggestions for fuller utilization of land. U. S. Joint Publ. Res. Serv. Transl. East, Europe, Agr. Forest, Food Indus. 473:1-5. Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663Ste
Translation from Zycie Gospodarcze 33:6. Aug. 14, 1966.
Issued by CFSTI.
- KUBOTA, M., and SHIBAMOTO, S. Collecting method of plant hoppers and leaf hoppers. 4 p. Transl. 16128.
Translation from Kanto Tozan Plant Disease and Insect Pest Research Society. Annual Report 11:62. 1964.
- *KUCHINSKAYA, N. E., KUL'BERG, A. YA., and TSVETKOV, V. S. Immunological analysis of products of bovine γ -globulin digestion with papain. Biochemistry (Biokhimiya) 30(5):916-919. Ref. Sept./Oct. 1965. 385 B523Ae

- *KULAEVA, O. N., and KLYACHKO, N. L. Influence of kinins on protein synthesis in leaves. Acad. Sci. USSR, Dokl. Bot. Sci. 163/165:126-129. Ref. July/Dec. 1965. 511 P444Ae
- KUO, F. The function of corpora allata in the reproduction of the oriental migratory locust (*Locusta migratoria manilensis* Meyer). 3 p. Ref. (TT 62-11307) Transl. 16130
Translation from K'e Hsueh T'ung Pao 1:18. 1957.
Issued by CFSTI.
- KURIBAYASHI, K. On the germination of causal fungus [*Ectostroma oryzae*] of the rice leaf smut. 4 p. Transl. 16159
Translation from Phytopathological Society of Japan, Annals 4:68-69. Dec. 1934.
- *KURILENKO, A. I., SHIRAYEVA, G. V., and KARPOV, V. L. Study of the adhesion of radiation-hardened polyester resins to highly oriented organic fibres. Polymer Sci. U.S.S.R. 7 (10):1880-1886. 1965. 381 P763
- KURMANOV, I. A. Fusariotoxicosis of farm animals. 7 p. Transl. 15980
Translation from Veterinariya 10:55-58. 1963.
- KUWAYAMA, S. Abnormal weather and disease & insect pests. Small rice leaf miners [*Hydrellia griscola*]. 12 p. Transl. 16160
Translation from Plant Protection, Japan 18 (6):245-247. 1964.
- LAERE, O. VAN. The effect of several factors on the brood-nest development of the bee (*Apis mellifera* L.). 11 p. Ref. Transl. 16161
Translation from Annales de l'Abeille 8(4): 285-297. 1965.
- LANGENDORF, G. Determining the absorption capacity of wood in impregnation without the use of pressure. 9 p. Transl. 15215
Translation from Holztechnologie 5(2):107-111. 1964.
- LEBEDEV, D. V. From the history of the ideas of Soviet genetics (N. I. Vavilov and V. I. Tsel'ev). 7 p. Ref. (JPRS 31,112; TT 65-31610) Transl. 15364
Translation from Botanicheskii Zhurnal 50(5): 730-733. 1965.
CFSTI: \$1.00.
- LEMAN, V. M. Plantation of seedlings of wood species under electric illumination. 10 p. Ref. (OTS 63-11034) Transl. 14331
Translation from Akademiya Nauk SSSR. Institut Fizologii Rasteniim im. K. A. Timiryazeva. Trudy 10:91-100. 1955.
CFSTI: \$0.50.
- LIKVENTOV, A. V. Daily and seasonal changes in the temperature preferences of the beetle *Pseudophonus pubescens* Mull. 13 p. (OTS 63-24357) Transl. 15271
Translation from Entomologicheskoe Obozrenie 30(3/4):208-215. 1949.
Issued by CFSTI.
- LISENKOV, A. P. Storehouses of proteins, leguminous plants—valuable fodder crops. 4 p. (TT 65-50079) Transl. 16135
Translation from Priroda 4:12-14. 1962.
CFSTI: \$1.00.
- *LITOVCHENKO, E. T., KALYUZHNYA, L. D., and KOZHUKHAR, I. G. The Actinomyces flora of the root system of apple trees. Microbiology 34(5):763-768. Sept./Oct. 1965. 448.3 M582Ae
- *LOBASHEV, M. E., and others. Simultaneous effect of acoustic and tactile stimuli on locomotor and flight activity in the honey bee *Apis mellifera* (Hymenoptera, Apidae). Entomol. Rev. 44(3):326-331. July/Sept. 1965. 421 R322Ae
N. G. Lopatina, I. A. Nikitina, and E. G. Chesnokova, joint authors.
- *LOMAGIN, A. G., and ANTROPOVA, T. A. The injurious effect of visible light on leaves subsequent to heating. Acad. Sci. USSR, Dokl. Bot. Sci. 163/165:163-165. Ref. July/Dec. 1965. 511 P444Ae
- *LUCIC, S. *Ophiobolus graminis* (Cariceti B. and Br.) Sacc., new parasite in Yugoslavia. J. Sci. Agr. Res. 18(59):117-120. Ref. 1965. 21.5 Y9Ae
- LUNDGREN, S. A. Does the bending test of wood fiberboards produce correct values? A critical consideration. 5 p. Transl. 16164
Translation from Holzforschung und Holzverwertung 11(4):86-88. 1959.
- LUTTA, A. S., and KHEISIN, E. M. Certain data of the relative role of different species of ixodid ticks [*Ixodes ricinus*] in spreading babesiosis in the North. 10 p. (TT 64-15064) Transl. 15276
Translation from Zoologicheskii Zhurnal 33 (1):65-68. 1954.
Issued by CFSTI.
- *LUTTA, A. S. Ecologic aspects of the distribution of horse flies (Diptera, Tabanidae) in Uzbekistan. Entomol. Rev. 44(3):351-356. July/Sept. 1965. 421 R322Ae
- LYR, H. Stimulation of wood-destroying fungi by toxins. 7 p. Transl. 14355
Translation from Internationales Symposium, Eberswalde, Holzzerstörung durch Pilze 1962: 359-367.
- MALINSCHI, V. The role of credit in socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 470:7-24. Aug. 26, 1966. (JPRS 37,252; TT 66-33681) 173 J663St
Translation from Probleme Economice 6:3-17. June 1966.
Issued by CFSTI.
- MARINOV, P., and ANDREEV, N. Some problems relating to the intensification of production on the TKZS'S (cooperative farms). U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 477:1-16. Sept. 20, 1966. (JPRS 37,731; TT 66-34159) 173 J663St
Translation from Ikonicheska Misul 4:38-51. Apr. 1966.
- MATSUNO, T., and KUMAGAI, H. Rice leaf beetle [*Lema oryzae*] control by aerial application of insecticides. 5 p. Transl. 16165
Translation from Kanto-Tosan Plant Protection Society. Proceedings 11:68. 1964.
- *MEJBAUM-KATZENELLENBOGEN, W., and KUDREWICZ-HUBICKA, Z. Application of urea, ferric ammonium sulphate and casein for determination of tanning substances in plants. Acta Biochim. Pol. 13(1):57-67. 1966. 385 Ac85Ae
- MENTZER, C., and CRONENBERGER, L. Biochemistry of the sap of the wild cherry tree, *Prunus avium*. 11 p. Ref. Transl. 15477
Translation from Societe de Chimie Biologique. Bulletin 37:371-382. 1955.
- METALNIKOV, S., and CHORINE, V. The role played by the Hymenoptera in the infection of *Galleria mellonella*. 1 p. Transl. 16166
Translation from Academie des Sciences. Comptes Rendus 182(11):729-730. Mar. 15, 1926.
- MICEK, J. Increasing cooperation to intensify and industrialize poultry production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:22-30. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663St
Translation from Mezinarodni Zemledelsky Casopis 2:14-17. 1966.
Issued by CFSTI.
- MICULESCU, A. Choice of product range and specialization—factors that increase output and cut production costs on the state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:25-29. Oct. 3, 1966. (JPRS 37,946; TT 66-34373) 173 J663St
Translation from Agricultura Socialista 4 (30):1-2. July 28, 1966.
Issued by CFSTI.
- MICULESCU, A. The effects of production specialization in state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 488:21-24. Aug. 22, 1966. (JPRS 37,145; TT 66-33574) 173 J663St
Translation from Scinteia, July 4, 1966:1,3.
Issued by CFSTI.
- *MILOVANKIC, M. Flowering of stone fruit in Skopsko Polje. J. Sci. Agr. Res. 18(59):37-52. 1965. 21.5 Y9Ae

- *MISHUSTIN, E. N., and MAR'ENKO, V. G. The effect of an Azotobacter chroococcum culture on the yield of agricultural plants. *Microbiology* 34(5):751-755. Sept./Oct. 1965. 448.3 M582Ae
- MODYANOV, A. V. The effectiveness of enriching corn silage for dairy cattle and sheep with urea and ammonium sulfate. 9 p. Transl. 15237
- Translation from Vsesoyuznoe Soveshchanie po Proizvodstvu Kukuruzy 1960:470-481. 1961.
- MOIANU, D. Profits for all state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:30-33. Oct. 3, 1966. (JPRS 37,946; TT 66-34373)
- 173 J663Ste
- Translation from Romania Libera 6773:1,3. July 27, 1966.
- Issued by CFSTI.
- *MOKRONOSOV, A. T., and NEKRASOVA, G. F. The catalytic role of CO₂ in carbon assimilation. *Acad. Sci. USSR, Dokl. Bot. Sci.* 163/165:173-176. Ref. July/Dec. 1965. 511 P444Ae
- MOLINARI, E. Austria and the science of tobacco. 6 p. Transl. 16080
- Translation from Revue Internationale des Tabacs 25:196. Nov. 1950.
- MONTE, G. DAL. Grain infestation sifted through the X-ray sieve. 3 p. Transl. 14828
- Translation from Molini d'Italia 9:422-423. 1958.
- MORGENTHAUER, O. Harmful and innocuous species of the bee acarid Acarapis, and contribution to the solution of the problem of species. *Rivista di Apicoltura* 13(4):121-136. 1934. Bee Cul. Br. Libr. Transl.
- MOTHES, K. On the aging of leaves and the possibility of their rejuvenation. 47 p. Ref. Transl. 16081
- Translation from Naturwissenschaften 47:337-351. 1960.
- MULLER, H. F., and OVERBECK, W. Knowledge of annual plants. 19 p. Transl. 16082
- Translation from Berichte 75(7):909-920. 1942.
- MUNZINGER, A., and BABO, F. VON. The Hohenheim grazing system. 38 p. Transl. 16054
- Translation from Landwirtschaftliches Jahrbuch 73:139-168. 1931.
- NAGY, I. Specialization of large-scale cattle raising. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 468:1-14. Aug. 22, 1966. (JPRS 37,145; TT 66-33574)
- 173 J663Ste
- Translation from Statistika Szemle 4:339-349. Apr. 1966.
- Issued by CFSTI.
- NARAYANAMURTI, D., and others. Cashewnut shell liquid ammonia resolves. 4 p. Ref. Transl. 16083
- Translation from Adhasion 9(4):172-173. 1965.
- *NARZIKULOV, M. N. Supplement to K. Kh. Shaposhnikov's article, "The Aphid Pests of the Cherry Plum and Cherries." *Entomol. Rev.* 44(3):362-363. July/Sept. 1965. 421 R322Ae
- *NAUMOVA, A. N., and KUKSA, I. N. Results of the conference on the study of the symbiotic fixation of atmospheric nitrogen and the practical application of nitrin in agriculture. *Microbiology* 34(5):818-822. Sept./Oct. 1965. 448.3 M582Ae
- NESHEV, S. Agricultural production planning at a higher scientific level. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Food Indus. 475:8 p. Sept. 15, 1966. (JPRS 37,634; TT 66-34082)
- 173 J663Ste
- Translation from Kooperativno Zemedelie 7:4-6. July 1966.
- CFSTI: \$1.00.
- NEUSSER, V. H., KRAMER, H., and HAIDINGER, K. The response of particle board to moisture with special regard to swelling. 37 p. Ref. Transl. 16167
- Translation from Holzforschung und Holzverwertung 17(4):57-69. 1965.
- NIKIFOROV, P. E., and BREDUN, M. I. The sliding friction of soil on metal and plastic surfaces. 5 p. Transl. 16138
- Translation from Vestnik Sel'skokhozyaistvennoi Nauki [Moscow] 10(7):112-116. 1965.
- NIKITIN, D. I., and STEFANOV, S. B. Electron-microscopic study of soil suspensions. 5 p. (TT 64-15322) Transl. 15376
- Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 2:283-286. 1963.
- Issued by CFSTI.
- NIKITIN, N. I. The chemistry of cellulose and wood. 691 p. Ref. QD321.N53
- Translation of Khimiya Drevesiny i Tsellyulozy.
- NIKOLSKAYA, M. N. A new species of parasite of ixodid ticks, Ixodiphagus hirtus Nik., sp. n. (Hymenoptera, Chalcidoidea). 4 p. (TT 64-15645) Transl. 15164
- Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 12:272-274. 1950.
- Issued by CFSTI.
- NISHIMURA, H., and others. On the fine structure of native cellulose fibers. 35 p. Ref. Transl. 15551
- O. Nakao, M. Suzuki, N. Migita, and T. Shimabukuro, joint authors.
- Translation from Society of Textile and Cellulose Industries of Japan. Journal 19:731-750. 1963.
- Issued by CFSTI.
- NISHIO, T., and ISHIWAKI, I. The effect of PCP on tiller production and the control of weeds in rice sown directly and without irrigation. 9 p. Transl. 15061
- Translation from Chugoku Agricultural Research 24:40-42. n.d.
- NOREN, B., and SAARMAN, E. Shear tests on plywood. 10 p. Transl. 16168
- Translation from Holz als Roh- und Werkstoff 16(1):17-22. 1958.
- OKUDA, A., TAKAHASHI, E., and YOSHIDA, M. On the volatilization of the ammonia transformed from urea applied under upland and waterlogged conditions. 15 p. Transl. 15820
- Translation from Journal of the Science of Soil and Manure 31:273-278. 1960.
- OLTUS, E., and ELIASOVA, D. Investigation of the properties of deacrylized cellulose. 16 p. Transl. 15060
- Translation from Sbornik Vyskumnych Prac z Odboru Celulozy a Papiera 8:35-51. 1963.
- OROSI. Experiments on queen rearing. 13 p. Transl. 15668
- Translation from Allattenyeszt. Kutatointez. Evk. 1950:203-226. 1952.
- PAPP, L. The role of the councils under the new system of agricultural planning in Hungary. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479:6-19. Oct. 3, 1966. (JPRS 37,946; TT 66-34373)
- 173 J663Ste
- Translation from Allam Es Igazgatás 5:385-395. May 1966.
- Issued by CFSTI.
- PAVLOV, I. P. Raising the content of protein and other nutrients in a perennial grass mixture by selecting its components and by cutting at the most favorable time. 6 p. (TT 65-50077) Transl. 16142
- Translation from Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk. Doklady 3:11-16. 1958.
- CFSTI: \$1.00.
- PENSAR, G., and BRUNN, H. H. Studies on components in wood: gas chromatographic separation of methyl esters of individual resin acids. 13 p. Ref. Transl. 15554
- Translation from Acta Academiae Aboensis, Ser. B, Mathematica et Physica 24(6):1-15. 1964.
- Issued by CFSTI.
- PETRISHCHEVA, P. A., and ZHMAEVA, Z. M. Natural enemies of field ticks. 5 p. (TT 64-15652) Transl. 15199
- Translation from Zoologicheskii Zhurnal 28(5):479-481. 1949.
- Issued by CFSTI.

- PETRISHCHEVA, P. A., ed. Vectors of diseases of natural foci. 332 p. Ref. RA639.5.P43
- Articles by D. N. Sazonova, P. A. Petrishcheva, V. M. Saf'yanova, N. G. Olsuf'ev, S. P. Piontkovskaya, Z. M. Zhmaeva, A. A. Zemskaya, and E. G. Shulger.
- Translation of *Perenochniki Vozbuditelei Prirodnokhagovnykh Boleznai*.
- *PETROV, K. A., SOPKOVA, I. I., and NIFAN'EV, E. YE. Phosphorylated polysaccharides; the phosphorylation of cellulose by alkyl (aryl) phosphinic anhydrides. *Polymer Sci. U.S.S.R.* 7(10):1837-1840, 1965. 381 P763
- PETROVSKII, V. S. Algorithms for programming the cross-cutting of tree-length logs. 10 p. Transl. 16169
- Translation from *Lesnaya Promyshlennost'* 7:10-12, 1963.
- PETROVSKII, V. S. An investigation of the generatrix of tree stems. 5 p. Transl. 16171
- Translation from *Lesnoe Khozyaistvo* 9:38-39, 1964.
- PETROVSKII, V. S. On the theory of cross-cutting tree stems. 11 p. Transl. 16170
- Translation from *Lesnoi Zhurnal* 4:53-61, 1963.
- PETRY, G. Concerning arrangements and distributions of elasto-muscular functions in the skin of the domestic pigeon. 31 p. Transl. 16140
- Translation from *Gegenbaurs Morphologisches Jahrbuch* 91:511-535, 1951.
- *PEVZNER, D. L. Separation, partial purification and some properties of acetylcholine esterase from the red cells of long-horned cattle. *Biochemistry (Biokhimiya)* 30(5):842-1687. Ref. Sept./Oct. 1965. 385 B523Ae
- *PLATE, N. A., and others. Structural transformations in guttapercha on disturbance of the chemical regularity of the chains. *Polymer Sci. U.S.S.R.* 7(9):1683-1688. Ref. 1965. 381 P763
- T. Kheu, V. P. Shibayev, and V. A. Kargin, joint authors.
- PODDUBNAYA-ARNOLDI, V. A. Data on history of investigations of the fertilization process in angiosperms. 50 p. Ref. (TT 65-50053) Transl. 16141
- Translation from Moscow. *Glavnyi Botanicheskii Sad, Trudy* 6:7-48, 1959.
- CFSTI: \$3.00.
- *POKROVSKAYA, N. V., and KISLYAKOVA, O. V. Mechanism of the stimulating effect of calcium carbonate on the glucose oxidase and catalase activity of *Penicillium vitale*. *Microbiology* 34(5):686-692. Sept./Oct. 1965. 448.3 M582Ae
- *POLEVOI, V. V., KOBYL'SKII, G. I., and VOZILOVA, L. D. Effects of auxin on nucleic acid synthesis in segments of corn coleoptiles. *Acad. Sci. USSR, Dokl. Bot. Sci.* 163:165:166-168. Ref. July/Dec. 1965. 511 P444Ae
- POMERANTZEV, B. I., MATKASHVILI, N. V., and LOTOSKII, B. V. An ecological and faunistic outline of Ixodidae ticks occurring in Transcaucasia. 29 p. Ref. (TT 64-15624) Transl. 15167
- Translation from *Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik* 7:100-133. 1940.
- Issued by CFSTI.
- *PONOMARENKO, N. G. New parasitic Hymenoptera of the subfamily Gonatopodinae (Hymenoptera, Dryinidae) in the USSR fauna. *Entomol. Rev.* 44(3):368-372. July/Sept. 1965. 421 R322Ae
- POPESCU, B. Achievements and perspectives in land improvement and water control. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 468:15-20. Aug. 22, 1966. (JPRS 37,145; TT 66-33574) 173 J663St
- Translation from *Agricultura Socialista* 4(28):1.4. July 14, 1966.
- Issued by CFSTI.
- POPESCU, B. Land improvement to increase agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 473:15-19. Sept. 9, 1966. (JPRS 37,506; TT 66-33934) 173 J663St
- Translation from *Romania Libera*, July 13, 1966:1.3.
- Issued by CFSTI.
- POPESCU, B. Modern agriculture of high productivity. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 474:27-33. Sept. 14, 1966. (JPRS 37,615; TT 66-34043) 173 J663St
- Translation from *Viata Economica* 33:5. Aug. 19, 1966.
- Issued by CFSTI.
- *POPOV, A. V. The life cycle of louse flies *Lipoptena cervi* L. and *Stenopteryx hirsutinis* L. (Diptera, Hippoboscidae). *Entomol. Rev.* 44(3):337-343. Ref. July/Sept. 1965. 421 R322Ae
- PORCSALMY, I. The transformation of tannin (polyphenol) during drying and fermentation. 9 p. Transl. 16118
- Translation from *Revue Internationale des Tabacs* 28:223-225, 1953.
- *POREMBSKA, Z., GORZKOWSKI, B., and JEZEWSKA, M. M. Utilization of [¹⁴C]prostate in the biosynthesis of pyrimidines in *Helix pomatia* and *Celerio euphorbiae*. *Acta Biochim. Pol.* 13(2):107-111. Ref. 1966. 385 A85Ae
- POPELOVA-SHTROM, M. V., VASSILIEVA, I. S., and SEMASCHKO, L. L. A new species of argasid ticks (subfamily Argasinae, family Argasidae)—*Argas beklemishevi* n. sp. 5 p. (TT 64-15641) Transl. 15259
- Translation from *Meditsinskaya Parazitologiya* 1:61-65, 1963.
- Issued by CFSTI.
- *PRISTAVKO, V. P. Role of entomogenous bacteria of the intestinal flora in the microbiological control of insect pests. *Microbiology* 34(5):806-808. Ref. Sept./Oct. 1965. 448.3 M582Ae
- *PRITYKINA, L. N. Contribution to the morphoecological classification of dragonfly nymphs (Odonata). *Entomol. Rev.* 44(3):296-304. Ref. July/Sept. 1965. 421 R322Ae
- *PSHENOVA, K. V., and KOLESNIKOV, P. A. Interaction of lipoperoxides with components of certain oxidative systems. *Biochemistry (Biokhimiya)* 30(5):911-915. Ref. Sept./Oct. 1965. 385 B523Ae
- RACKWITZ, G. Influence of chip dimensions on some properties of wood particle boards. 16 p. Transl. 16088
- Translation from *Holz als Roh und Werkstoff* 21(6):200-209. June 1963.
- RACKWITZ, G., and OBERMAIER, M. Sifting of wood particles. I. Fundamentals of sifting and sifting in a horizontal air-flow. 29 p. Transl. 16214
- Translation from *Holz als Roh- und Werkstoff* 20(1):27-38. 1962.
- *RASNITSYN, A. P. Some aspects of interrelations between morphogenesis and growth in the evolution of insect ontogeny. *Entomol. Rev.* 44(3):279-284. Ref. July/Sept. 1965. 421 R322Ae
- RAUNER, YU. L. The heat balance of forests. 12 p. Ref. (TT 65-50033) Transl. 15555.
- Effect of forests on climate.
- Translation from *Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya* 1:49-59. 1960.
- CFSTI: \$1.00.
- *RAUTENSHTEIN, YA. I., and others. Characteristics of a novobloclin-producing lysogenic culture of *Actinomyces sporides strain 35* and its temperate actinophage. *Microbiology* 34(5):720-725. Sept./Oct. 1965. 448.3 M582Ae
- F. S. Klepikova, V. V. Zhunaeva, and T. B. Panichkina, joint authors.

- *RAZIKOV, K. KH., USMANOV, KH. U., and AZIZOV, U. A. The fibrillar structure of cellulose-methacrylamide and methacrylate copolymers. *Polymer Sci. U.S.S.R.* 7(10):1980-1984, 1965. 381 P763
- DAS REICH der Tiere [The animal kingdom]. Leipzig, Urania, 1966. 158 p. (Der Mensch und das Leben, v.4), QL50. R43
- Translation of L'Univers Animal.
- REISIGL, H., ed. The world of flowers. New York, Viking Press, 1965. 240 p., map. QK86.R4
- Translation of Blumen-Paradiese der Welt.
- RICHTER, W. The orchid world. 291 p. Ref. SB409.R53
- Translation of Die Schonsten aber sind orchideen.
- *RODENDORF, B. B. Composition of the tribe Sarcophagini (Diptera, Sarcophagidae) in Eurasia. *Entomol. Rev.* 44(3):397-406. Ref. July/Sept. 1965. 421 R322Ae
- RODIN, L. E., and BAZILEVIC, N. I. The biological productivity of the main vegetation types in the Northern Hemisphere of the Old World. *Forest. Abs.* 27(3):369-372. 1966. 241.01 Im7
- Translation from Akademiya Nauk SSSR. Doklady 157(1):215-218. 1964.
- ROUSSEAU, M., and TABARLY, O. The use of antibiotics in beekeeping: their action in the hive, their presence in honey. *Bulletin Apicole* 5(2):155-175. 1962.
- Bee Cul. Br. Libr. Transl.
- *ROZANOVA, E. P., and SHTURM, L. D. Microflora of Shor-Su ozokerite deposits. *Microbiology* 34(5):774-779. Sept./Oct. 1965. 448.3 M582Ae
- *RUBTSOV, I. A. Additional data on the black fly fauna (Diptera, Simuliidae) of the Palearctic Region. *Entomol. Rev.* 44(3):381-382. July/Sept. 1965. 421 R322Ae
- SACK, H. Concerning the causes of soil solidification in the bottom of the plow furrow and its prevention. 10 p. Transl. 16052
- Translation from Grundlagen der Landtechnik, No. 15. 1963.
- *SAL'KOVA, E. G., and GUSEVA, N. N. The role of pectolytic enzymes of Verticillium dahliae in wilt infection of cotton. *Acad. Sci. USSR, Dokl. Bot. Sci.* 163/165:110-112. July/Dec. 1965. 511 P444Ae
- *SANDRAK, N. A. On the specificity of the influence of the "extracellular factor" on the fixation of atmospheric nitrogen by Azotobacter. *Microbiology* 34(5):665-668. Ref. Sept./Oct. 1965. 448.3 M582Ae
- SANNE, S., and AAHMANN, G. The influence of the fleshiness of female mink upon whelping results. 8 p. Transl. 16172
- Translation from Vaara Paelsdur 2:63-66. Feb. 15. 1966.
- *SAPOZHNIKOV, D. I., MASLOVA, T. G., and BAZHANOVA, N. V. Investigation of the conversion of xanthophylls in the absence of carbon dioxide. *Biochemistry (Biokhimiya)* 30(5):908-910. Sept./Oct. 1965. 385 B523Ae
- SATO, S. Macro- and micro-climates in rice culture and artificial control of microclimates of paddy fields in the warm region of Japan. 156 p. Transl. 15943
- Translation from Kyushu Agricultural Experiment Station. Bulletin 6:259-350. 1960.
- *SAVKINA, I. G., EVSTIGNEEV, V. B., and CHUDAR, V. S. Spectral and photochemical properties of chlorophyllides and pheophorbides. *Biochemistry (Biokhimiya)* 30(5):920-926. Ref. Sept./Oct. 1965. 385 B523Ae
- SCHAUENBERG, P. The bulb book. 292 p. Ref. SB425.333
- Translation of Les Plantes Bulbeuses.
- SCHIOPU, B. The food industry during the Five-Year Plan—high quality indices for all food products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 47:61-7. Sept. 19, 1966. (JPRS 37,713; TT 66-34141) 173 J663St
- Translation from Viata Economica 4(29):3. July 22, 1966.
- Issued by CFSTI.
- SCHRODER, E., and LUBKE, K. The peptides. Volume II. Synthesis, occurrence, and action of biologically active polypeptides. New York, Acad. Press, 1966. 632 p. QD551.33
- Translation of Die Peptide.
- SCHULTZE-DEWITZ, G. Influence of sub-threshold concentrations of preservatives on wood-destroying fungi. 6 p. Transl. 14344
- Coniophora cerebella and Poria vaillantii.
- Translation from Internationales Symposium, Eberswalde. Holzzerstorung durch Pilze 1962: 351-358.
- SENKEVICH, B. N. Experimental investigation of wind erosion of sands. 10 p. (TT 65-50030) Transl. 16144
- Translation from Akademiya Nauk Turkmen-skoi SSR. Izvestiya. Seriya Biologicheskikh Nauk 1:21-30. 1962.
- CFSTI: \$1.00.
- SHAKHOV, A. A. The effect of cosmic radiation on plant activity. 20 p. Ref. Transl. 15557
- Translation from Zhurnal Obshchei Biologii 23(2):81-89. 1962.
- *SHALAGINA, A. I., and others. Obtention of classical Ergot alkaloids in a saprophytic culture of Claviceps purpurea Tul. *Microbiology* 34(5):785-788. Ref. Sept./Oct. 1965. 448.3 M582Ae
- N. I. Ostrovskii, A. N. Ban'kovskaya, and A. I. Ban'kovskii, joint authors.
- SHAROVA, A. S. The content of microelements, Cu, Zn, Co and Mn, in certain soils of the Latvian SSR. 16 p. Ref. (TT 65-50067) Transl. 16145
- Translation from Pochvovedenie 3:19-31. 1957.
- CFSTI: \$1.00.
- SHCHEGOLEV, V. P., and NIKITIN, V. M. The behaviour of sulphur in the boiling of spruce wood with sodium sulphide. 11 p. Ref. Transl. 16090
- Translation from Bumazhnyaya Promyshlennost' 7:3-7. 1964.
- *SHCHEPOT'EV, F. L., and LEBEDINETS, L. N. The influence of gibberellin on the germination of pecan seed (Carpa olivaeformis Nutt.). *Acad. Sci. USSR, Dokl. Bot. Sci.* 163/165:132-134. July/Dec. 1965. 511 P444Ae
- *SHEIKOVA, G., GEORGEVA, I., and STOYANOV, N. Antagonistic properties of Actinomyces isolated from the rhizosphere of various plants. *Microbiology* 34(5):769-773. 448.3 M582Ae
- *SHEVCHENKO, L. A., and NOVICHKOVA, A. I. Effect of antibiotics that inhibit protein synthesis on the free amino acid pool in cells of Endomyces magnusii. *Microbiology* 34(5):656-660. Ref. Sept./Oct. 1965. 448.3 M582Ae
- SHIBUYA, T., GEMMA, T., and IGARASHI, M. A study on linear and Chrysanthemum crests in transverse sections of endosperms of rice kernels. 9 p. Transl. 15558
- No source of translation given.
- SHIMOKAWA, H., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VI. The variations of soil properties and growth of rice in enlarged field where arable land improvements were made. 3 p. Transl. 16173
- Translation from Kyushu Agricultural Research, No. 27. July 1965.
- *SHKOL'NIK, M. YA., BOZHENKO, V. P., and MOMOT, T. S. Increased heat-resistance of wheat seedlings by treatment of seeds with solutions of aluminum and cobalt salts. *Acad. Sci. USSR, Dokl. Bot. Sci.* 163/165:181-183. Ref. July/Dec. 1965. 511 P444Ae
- *SKORODUMOVA, A. M. Fat-hydrolyzing yeasts. *Microbiology* 34(5):795-799. Ref. Sept./Oct. 1965. 448.3 M582Ae
- SLAVIN, R. M. Complex mechanization and automation of production in poultry houses. 24 p. Transl. 15784
- Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaystva 5:36-40. 1961.

- SMIRNOV, N. T. Effect of improvement cutting on the growth of pine stands established by patch planting. 8 p. Ref. (TT 65-50040) Transl. 16147
Translation from Lesnoi Zhurnal 3(1):43-48. 1960.
CFSTI: \$1.00.
- *SOKOLOVA, V. E., and others. Variation of the content of chlorogenic and caffeic acids in stored potato tubers in varieties differing in resistance to *Phytophthora infestans*. Acad. Sci. USSR, Dokl. Bot. Sci. 163/165:154-157. July/Dec. 1965. 511 P444Ae
G. N. Kazantseva, Yu. V. Zvyagintseva, and L. V. Metlitskii, joint authors.
SORVACHEV, E. V. Interference of hog cholera virus with other viruses in the culture of tissue. I. Spectrum of interference. 11 p. Ref. Transl. 14901
Translation from Veterinariya 11:16-21. Nov. 1964.
SPORKA, A. 20 years of Czechoslovak cooperatives. 103 p. HD3492.C95865
Translation from the Czech.
*SRECKOVIC, A., DELIC, I., and SARGIN, S. Sunflower oil meal as a source of protein in concentrate mixtures for growing and fattening pigs. J. Sci. Agr. Res. 18(59):107-116. 1965. 21.5 Y9Ae
- *STEPANOVA, L. A. The phenology of vegetable pests in the Leningrad Province and phenological predictions. Entomol. Rev. 44(3):285-290. Ref. July/Sept. 1965. 421 R322Ae
STOIAN, D. Aspects of investment activities in agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 470:25-41. Aug. 26, 1966. (JPRS 37,252; TT 66-33681)
173 J663Ste
Translation from Probleme Economice 6:67-79. June 1966.
Issued by CFSTI.
- *STOLYAROV, M. V. Orthoptera of the Badkhyz Upland in Turkmenia: list of species and ecologic groupings. Entomol. Rev. 44(3):345-350. Ref. July/Sept. 1965. 421 R322Ae
STRAUB, B. F. Development of biological research in Hungary. 8 p. (JPRS 37,128; TT 66-33557) Transl. 16175
Translation from Magyar Tudomány 5:280-286. June 1966.
CFSTI: \$1.00.
- STRELLI, H. Fractionation of coloring and flavoring materials in roasted coffee by means of Sephadex G 25. 4 p. Transl. 16091
Translation from Chimia 16:371-372. Nov. 1962.
STRICH-HALBWACHS, M. C. Action of the ventral gland on the ovarian development of *Locusta migratoria* L. (Orthoptera). 8 p. (TT 64-30287) Transl. 15021
Translation from Journal of Insect Physiology 1(4):346-351. 1958.
Issued by CFSTI.
- STRUNK, C. The substructure of the tips of hyphae of *Polystictus versicolor*. 7 p. Ref. Transl. 16148
Translation from Zeitschrift für Allgemeine Mikrobiologie 3(4):265-274. 1963.
STUDIES in comparison of levels of economic development of the Socialist countries. 83 p. Ref. (JPRS 37,073; TT 66-33502) Transl. 16176
Translation from Sopostavlenie Urovnei Ekonomicheskogo Razvitiya Sotsialisticheskikh Stran 1965:127-202, 204-226.
CFSTI: \$3.00.
- SVADZHIAN, P. K. Development of *Thysanotia giardi* (Moniez, 1879) in the bodies of insects of the order Copeognatha (Psocoptera). 5 p. Transl. 15153
Translation from Akademiya Nauk Armyanskoi SSR, Doklady 36(5):303-306. 1963.
SVIRIDOV, G. G. The use of radioactive isotopes in the study of some problems of flea ecology. 2. The contact of animals and intensity of the exchange of ectoparasites in a *Rhombomys opimus* population. 4 p. (JPRS 20,864; OTS 63-31650) Transl. 15196
Translation from Zoologicheskii Zhurnal 42(6):947-949. 1963.
CFSTI: \$0.50.
- TADIC, D. The price of agricultural land in Yugoslavia in 1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 476:8-20, map. Sept. 19, 1966. (JPRS 37,713; TT 66-34141) 173 J663Ste
Translation from Ekonomika Poljoprivrede 8:453-461. June 1966.
Issued by CFSTI.
- TAGIL'TSEV, A. A. Peculiarities of ecology of gamasid mites taken from *Doryonys nitidula* Pallas in the environs of Alma-Ata. 10 p. Ref. (TT 64-15640) Transl. 15171
Translation from Zoologicheskii Zhurnal 41(5):666-674. 1962.
Issued by CFSTI.
- *TANASIYCHUK, V. N. A new predatory fly of the genus *Leucopsis* (Diptera, Chamaemyiidae) from the Voronezh Province. Entomol. Rev. 44(3):395-396. July/Sept. 1965. 421 R322Ae
- *TASKAIEVA, T. P., and VAINSHTEIN, E. E. A chemico-spectrographic method for determining microamounts of indium in plant liquors. J. Anal. Chem. USSR 20(11):1249-1252. Ref. Nov. 1965. 385 Z65Ae
TATEISHI, S., KUSUHARA, N., and KOJIMA, K. Experiments on facility in harvesting with rice combine in the Isahaya Polder. 9 p. Transl. 16178
Translation from Kyushu Agricultural Research 27:15-17. July 1965.
- *TEITEL'BAUM, B. YA., and ANOSHINA, N. P. On certain features of crystallization of natural rubber. Polymer Sci. U.S.S.R. 7(12):2314-2319. Ref. 1965. 381 P763
- *TERENT'EV, A. P., and NOVIKOVA, N. S. Sodium boron hydride in organic analysis, communication. 2. Sugar analysis. J. Anal. Chem. USSR 20(11):1269-1270. Ref. Nov. 1965. 385 Z65Ae
TERSKOV, I. A., and KOLOMIETS, N. G. Attraction of the moths of Siberian silkworm-*Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by the ultraviolet light. 4 p. (TT 64-13086) Transl. 15197
Translation from Entomologicheskoe Obozrenie 41(2):306-309. 1962.
Issued by CFSTI.
- THE TIMBER market in Algeria. 4 p. Transl. 15548
Translation from Algeria. Chambre de Commerce et d'Industrie d'Alger. Bilan Economique D'une Annee d'Independence 1963:56-57.
- TIRELLI, M. Present knowledge on the disinfection of stored tobacco. 1. 19 p. Ref. Transl. 15019
Control of *Ephestia elutella* and *Lasioderma serricornis*.
Translation from Tobacco 56:178-189. June 1952.
TODA, S., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. I. Outline of research at test farm. 3 p. Transl. 16179
Translation from Kyushu Agricultural Research, No. 27. July 1965.
- *TOMASEVIC, B. On the development and ecology of the brown fruit mite *Bryobia redicorezevi* Reck (Tetranychidae, Acarina). J. Sci. Agr. Res. 18(59):121-132. 1965. 21.5 Y9Ae
TOMIOKA, Y., and OKUYAMA, S. On the damage aspect of rice stem borer in Hokkaido. 3 p. Transl. 16151
Translation from Society of Plant Protection of North Japan. Annual Report 15:86-87. 1964.
- *TRAN-KH'EU, and others. The effect of spherulite size on the deformation of films of gutta-percha. Polymer Sci. U.S.S.R. 7(10):1835-1837. 1965. 381 P763
N. A. Plate, V. P. Shibayev, and V. A. Kargin, joint authors.
- *TROFIMOV, G. K. A brief review of synanthropic flies (Muscidae, Calliphoridae and Sarcophagidae) of the Talysh Region of the Caucasus. Entomol. Rev. 44(3):357-361. July/Sept. 1965. 421 R322Ae
TSENDSUREN, N. Entomological research in the Mongolian Peoples Republic. 8 p. Ref. (JPRS 20,688; OTS 63-31558) Transl. 15020
Translation from Entomologicheskoe Obozrenie 42(1):219-225. 1963.
CFSTI: \$0.50.

- *TSINGER, N. V., and PETROVSKAYA-BARANOVA, T. P. Spherosomes of pollen tubes and their role in plug formation. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:158-162. Ref. July/Dec. 1965. 511 P444Ae
- *TURETSKAYA, R. KH., and KOF, E. M. Dynamics of the changes in auxins and inhibitors in green and etiolated bean cuttings in the process of root formation. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:118-121. July/Dec. 1965. 511 P444Ae
- *TYSHCHENKO, V. P. A new genus (*Melioranus* n. g.) and eleven new species of spiders (*Araneae*) from Kazakhstan. Entomol. Rev. 44(3): 407-412. July/Sept. 1965. 421 R322Ae
- UCHIDA, A., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VIII. On the labour constitution of rice production in direct-sowing culture at the Mizuma Machinery Test Farm. 5 p. Transl. 16180
- Translation from Kyushu Agricultural Research 27:38. July 1965.
- USMAKOVA, G. V. On the findings of *Hunterellus hookeri* How., parasites of ixodid ticks in Kazakhstan. 3 p. (TT 64-15635) Transl. 15260
- Translation from Akademiya Nauk Kazakhskoi SSR. Institut Zoologii. Trudy 16:183-185. 1962. Issued by CFSTI.
- *VASILEVA, T. M., GRIGOR'EV, G. P., and MISHCHENKO, K. P. Differentiated determination of acid groups in lignins. J. Appl. Chem. USSR 38(12):2689-2692. Dec. 1965. 385 Z64Ae
- *VECHER, A. S., and MATOSHKO, I. V. Accumulation of nucleic and other forms of phosphorus and total and protein nitrogen in maturing lupine seeds. Biochemistry (Biokhimiya) 30(5):808-814. Ref. Sept./Oct. 1965. 385 B523Ae
- *VINOGRADOVA, YE. B. An experimental study of the factors regulating induction of imaginal diapause in the mosquito *Aedes togoi* Theob. (Diptera, Culicidae). Entomol. Rev. 44(3):309-315. Ref. July/Sept. 1965. 421 R322Ae
- VISSER, W. C. Theoretical observations concerning crop yields, growth factors and water consumption. 14 p. Transl. 14605
- Translation from Zeitschrift für Acker- und Pflanzenbau 119(4):293-308. 1964.
- VOLOVCHENKO, I. A year of fruitful cooperation. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:4-14. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Ste
- Translation from Mezinarodni Zemedelsky Casopis 2:5-9. 1966.
- Issued by CFSTI.
- VORREITER, L. Changes in dimensions of timbers with varying moisture and temperature. 22 p. Ref. Transl. 16093
- Translation from Holztechnik 44(5):233-241. 1964.
- WERTEJUK, M. Influence of environmental conditions on the infective larvae of gastrointestinal nematodes of sheep. 26 p. Ref. (OTS 61-31290) Transl. 15191
- Translation from Acta Parasitologica Polonica 7(15):315-342. 1959. CFSTI: \$2.00.
- *YAGNYATINSKAYA, S. M., and others. Effect of vulcanization on the tear resistance of filled rubber mixes and on the elastomer-to-filler adhesion. Polymer Sci. U.S.S.R. 7(9):1671-1676. Ref. 1965. 381 P763
- V. G. Rayevskii, L. S. Frumkin, and S. S. Voyutskii, joint authors.
- YAMAZAKI, F., and others. Ridge percolation and ground percolation. 5. Research concerning percolation in paddy fields. 18 p. Transl. 16212
- T. Yawata, T. Tabuchi, and T. Ishikawa, joint authors.
- Translation from Journal of Agricultural Engineering Society, Japan 29(7):309-314. Feb. 1962.
- YARILOVA, E. A. The alteration of the minerals of syenite in the initial stages of soil formation. 45 p. Ref. (TT 65-50084) Transl. 16155
- Translation from Akademiya Nauk SSSR. Pochvennyi Institut im. V. V. Dokuchaeva. Trudy 34:110-142. 1950. CFSTI: \$1.00.
- YASUO, S., and YANAGIDA, K. A serological technique for identifying viruliferous plant hopper with rice stripe virus. 15 p. Transl. 15064
- Translation from Plant Protection 17(6):215-218. 1963.
- YOSHIDA, Y., and YOSHIDA, S. An extraction procedure for rapid determination of boron in plant tissues. 13 p. Transl. 16156
- Translation from Journal of the Science of Soil and Manure 36(3):45-48. 1965.
- YOSHIMURA, S. Seasonal change in *Xanthomonas oryzae*ophage population within irrigation water in relation to bacterial leaf blight of rice plant. 17 p. Ref. Transl. 15576
- Translation from Nogyo Gijyutsu 18(1):21-25. 1963.
- *ZAITSEVA, A. F., PETROPAVLOVSKII, G. A., and BOCHARNIKOVA, N. G. Accessibility of wood cellulose fibers to acetylation. J. Appl. Chem. USSR 38(12):2693-2698. Ref. Dec. 1965. 385 Z64Ae
- *ZAITSEVA, A. F., and others. Accessibility of wood cellulose fibers to acetylation. J. Appl. Chem. USSR 38(12):2699-2703. Dec. 1965. 385 Z64Ae
- G. A. Petropavlovskii, N. G. Bocharnikova, and G. I. Yurchenko, joint authors.
- ZALSKI, T. Weaknesses in agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 479: 20-24. Oct. 3, 1966. (JPRS 37,946; TT 66-34373) 173 J663Ste
- Translation from Zycie Gospodarcze 37:6. Sept. 11, 1966.
- Issued by CFSTI.
- ZASLAVSKII, V. A. Material on the study of weevil larvae of the subfamily Hyperinae (Coleoptera, Curculionidae). 9 p. (TT 62-15638) Transl. 15013
- Translation from Zoologicheskii Zhurnal 38(2):208-220. 1959.
- Issued by CFSTI.
- ZASLAVSKII, V. A. On supergeneric groups in the tribe Hyperini (Coleoptera, Curculionidae). 3 p. (TT 62-15640) Transl. 15016
- Translation from Entomologicheskoe Obozrenie 38(3):652-654. 1959.
- Issued by CFSTI.
- *ZENOVA, G. M. Actinomycetes of the chromogenic group. Microbiology 34(5):699-703. Sept./Oct. 1965. 448:3 M582Ae
- *ZEROVA, M. D. Species of the genus *Tetramesa* Wlk. (Hymenoptera, Eurytomidae) that damage *Stipa*, *Bromus* and *Zerna* in the Ukraine. Entomol. Rev. 44(3):373-380. Ref. July/Sept. 1965. 421 R322Ae
- *ZHOLKEVICH, V. N., CHETVERIKOV, A. G., and ROGACHEVA, A. YA. Efficiency of respiration and free radical concentration. Acad. Sci. USSR. Dokl. Bot. Sci. 163/165:151-153. Ref. July/Dec. 1965. 511 P444Ae
- ZOLOTAREV, E. KH., and ELIZAROV, YU. A. Chemoreception of insects and ticks. 14 p. Ref. (JPRS 23,925; TT 64-21930) Transl. 15175
- Translation from Meditsinskaya Parazitologiya i Parazitarnye Bolezni 1:47-53. 1964. CFSTI: \$0.50.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Publications in the various United States Department of Agriculture series are listed first, followed by publications issued by the various agencies within the Department, arranged alphabetically by name of agency.

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Agricultural Economic Reports

SPIEGELMAN, R. G. Analysis of urban agglomeration and its meaning for rural people. U. S. D. A. Agr. Econ. Rep. 96,24 p. June 1966. A281.9 Ag8A

Bibliography, p. 19-24.

BOWLES, G. K. The hired farm working force of 1965, a statistical report. U. S. D. A. Agr. Econ. Rep. 96,29 p. Sept. 1966. A281.9 Ag8A

Agriculture Handbooks

ULLSTRUP, A. J. Corn diseases in the United States and their control. U. S. D. A. Agr. Handbook 199,rev. 44 p. Apr. 1966. 1 Ag84Ah

Purdue University Agricultural Experimental Station, cooperating.

U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. STANDARDIZATION BR. A summary of laws and regulations affecting the cheese industry. U. S. D. A. Agr. Handbook 265,rev.,56 p. July 1966. 1 Ag84Ah

THORNBERRY, H. H. Plant pests of importance to North American agriculture; index of plant virus diseases. U. S. D. A. Agr. Handbook 307,446 p. May 1966. 1 Ag84Ah

MARTY, R., and NEEBE, D. J. Compound interest tables for long-term planning in forestry. U. S. D. A. Agr. Handbook 311,103 p. June 1966. 1 Ag84Ah

U. S. DEPT. OF AGRICULTURE, OFF. OF INFORMATION. Federal programs for individual and community advancement. U. S. D. A. Agr. Handbook 312,53 p. 1966. 1 Ag84Ah

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Suggested guide for the use of insecticides to control insects affecting crops, livestock, households, stored products, and forest products, 1966. U. S. D. A. Agr. Handbook 313,265 p. 1966. 1 Ag84Ah

U. S. Agricultural Research Service, Market Quality Research Division, and U. S. Forest Service, cooperating.

U. S. DEPT. OF AGRICULTURE, STATISTICAL REPORTING SERV. Century of agriculture in charts and tables. U. S. D. A. Agr. Handbook 318,44 p. July 1966. 1 Ag84Ah

U. S. COOPERATIVE STATE RESEARCH SERV. Administrative manual for the McIntire-Stennis Cooperative Forestry Research Program. U. S. D. A. Agr. Handbook 324,29 p. Aug. 1966. 1 Ag84Ah

Agriculture Information Bulletins

LAURITZEN, C. W., and THAYER, A. A. Rain traps for intercepting and storing water for livestock. U. S. D. A. Agr. Inform. Bull. 307,10 p. Aug. 1966. 1 Ag84Ah

Utah Agricultural Experiment Station, cooperating.

KNIPLING, E. F., and MCGUIRE, J. U. Population models to test theoretical effects of sex attractants used for insect control. U. S. D. A. Agr. Inform. Bull. 308,20 p. May 1966. 1 Ag84Ah

Farmers' Bulletins

SNYDER, T. E. Control of nonsubterranean termites. U. S. D. A. Farmers' Bull. 2018,rev., 16 p.,map. Aug. 1966. 1 Ag84F

WANN, E. V., and YARNELL, S. H. Commercial growing of sweet corn. U. S. D. A. Farmers' Bull. 2042,rev.,18 p. July 1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing safflower, an oilseed crop. U. S. D. A. Farmers' Bull. 2133,13 p. June 1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Controlling tomato diseases. U. S. D. A. Farmers' Bull. 2200,rev.,10 p. Apr. 1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Foot rot of sheep. U. S. D. A. Farmers' Bull. 2206,16 p. Aug. 1966. 1 Ag84F

U. S. Agricultural Research Service, Animal Health Division, cooperating.

PEAY, W. E. Sugarbeet insects; how to control them. U. S. D. A. Farmers' Bull. 2219, 25 p. June 1966. 1 Ag84F

LANDIS, B. J., and ONSAGER, J. A. Wireworms on irrigated lands in the West; how to control them. U. S. D. A. Farmers' Bull. 2220, 14 p. June 1966. 1 Ag84F

Home and Garden Bulletins

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Peanut and peanut butter recipes. U. S. D. A. Home Gard. Bull. 36,20 p. 1966. 1 Ag84Hg

VANCE, A. M., and APP, B. A. Lawn insects; how to control them. U. S. D. A. Home Gard. Bull. 53,rev.,24 p. Aug. 1966. 1 Ag84Hg

- U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Controlling household pests. U. S. D. A. Home Gard. Bull. 96, slightly rev., 32 p. Aug. 1966. 1 Ag84Hg
- U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Protecting woollens against clothes moths and carpet beetles. U. S. D. A. Home Gard. Bull. 113, 8 p. Apr. 1966. 1 Ag84Hg
- CATHEY, H. M. Growing flowering perennials. U. S. D. A. Home Gard. Bull. 114, 22 p. Aug. 1966. 1 Ag84Hg

Leaflets

- U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Production of parsley. U. S. D. A. Leaflet. 136, slightly rev., 4 p. Aug. 1966. 1 Ag84L
- U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The home fruit garden in the central Southwestern States. U. S. D. A. Leaflet. 221, rev., 8 p., map. Sept. 1966. 1 Ag84L
- BOSWELL, V. R. Rhubarb production, outdoors and in. U. S. D. A. Leaflet. 354, slightly rev., 6 p. Aug. 1966. 1 Ag84L
- BOSWELL, V. R. Growing table beets. U. S. D. A. Leaflet. 360, slightly rev., 4 p. Aug. 1966. 1 Ag84L
- U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Facts about pasteurization of milk. U. S. D. A. Leaflet. 408, slightly rev., 6 p., folder. Aug. 1966. 1 Ag84L
- U. S. CONSUMER AND MARKETING SERV. How to buy eggs by USDA grades and weight classes. U. S. D. A. Leaflet. 442, rev., 8 p., folder. Aug. 1966. 1 Ag84L

Marketing Research Reports

- KNOTT, E. M. Homemakers' opinions about and preferences for broiler-fryers and turkeys. U. S. D. A. Marketing Res. Rep. 760, 137 p. July 1966. 1 Ag84Mr
- HULSE, F. E., MEITIN, J. R., and HAMILTON, H. G. Pooling by Florida citrus cooperatives, following the 1962 freeze. U. S. D. A. Marketing Res. Rep. 764, 16 p., map. July 1966. 1 Ag84Mr
- Florida Agricultural Experiment Stations, cooperating.
- RICKENBACKER, J. E., and THOMPSON, W. H. Losses in transporting and handling grain by selected grain marketing cooperatives. U. S. D. A. Marketing Res. Rep. 766, 22 p. Aug. 1966. 1 Ag84Mr
- U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Young people's use and appraisal of natural and competing fibers in wearing apparel. U. S. D. A. Marketing Res. Rep. 767, 190 p. Aug. 1966. 1 Ag84Mr
- MIKLJUS, W. Comparison of for-hire motor carriers operating under the agricultural exemption with regulated motor carriers. U. S. D. A. Marketing Res. Rep. 769, 20 p. Aug. 1966. 1 Ag84Mr

Miscellaneous Publications

- U. S. DEPT. OF AGRICULTURE. A consumer's guide to USDA services. U. S. D. A. Misc. Publ. 959, 49 p. Ref. June 1966. 1 Ag84M
- Includes publications.
- U. S. AGRICULTURAL RESEARCH SERV. Free-stall dairy system for 101 cows; cooperative farm building plan No. 5985. U. S. D. A. Misc. Publ. 1037, 2 p. Sept. 1966. 1 Ag84M

Production Research Reports

- PUCKETT, H. B., and KLUETER, H. H. Pneumatic conveyor for distributing farm feed. U. S. D. A. Prod. Res. Rep. 92, 14 p. Aug. 1966. A281.9 Ag8
- Illinois Agricultural Experiment Station, cooperating.
- PURI, Y. P., and others. Anatomical and agronomic studies of Phormium in western Oregon. U. S. D. A. Prod. Res. Rep. 93, 43 p. Ref. Aug. 1966. A281.9 Ag8
- C. R. Stanton, S. Assesavesna, and D. W. Fishler, joint authors.
- Oregon Agricultural Experiment Station, cooperating.

Program Aid

- U. S. CONSUMER AND MARKETING SERV. USDA poultry inspection; a consumer's safeguard. U. S. D. A. PA-299, slightly rev., 6 p., folder. Sept. 1966. 1 Ag85Pro
- U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. The soybean cyst nematode. U. S. D. A. PA-333, rev., 4 p. June 1966. 1 Ag84Pro
- U. S. CONSUMER AND MARKETING SERV. PACKERS AND STOCKYARDS DIV. The Packers and Stockyards Act; what it is, how it operates. U. S. D. A. PA-399, slightly rev., 9 p., map. July 1966. 1 Ag85Pro
- FRASIER, R., and POPE, V. Parents and babies; a guide for home economics program assistants. U. S. D. A. PA-715, 4 p. Mar. 1966. 1 Ag84Pro
- U. S. AGRICULTURAL RESEARCH SERV. Use chemicals safely in the production of beef cattle, swine, sheep. U. S. D. A. PA-727, 4 p. June 1966. 1 Ag84Pro
- U. S. CONSUMER AND MARKETING SERV. Shopper's guide for canned peas. U. S. D. A. PA-728, 4 p. July 1966. 1 Ag84Pro

Service and Regulatory Announcements

- U. S. CONSUMER AND MARKETING SERV. POULTRY DIV. INSPECTION BR. List of chemical compounds authorized for use under USDA poultry, rabbit and egg products inspection programs. U. S. Consum. Marketing Serv. C MS-SRA-187, rev., 71 p. Mar. 1966. 1M34S

Statistical Bulletins

- U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. U. S. food consumption, sources of data and trends, 1909-63; supplement for 1965. U. S. D. A. Statist. Bull. 364, 32 p. Sept. 1966. 1 Ag84St
- U. S. CONSUMER AND MARKETING SERV. Poultry market statistics, 1965; annual summary of market statistics. U. S. D. A. Statist. Bull. 370, 64 p. Mar. 1966. 1 Ag84St
- U. S. CONSUMER AND MARKETING SERV. Dairy market statistics, 1965; annual summary of market statistics. U. S. D. A. Statist. Bull. 371, 35 p. Mar. 1966. 1 Ag84St
- KROMER, G. W., GAZELLE, S. A., and NORRIS, E. L. U. S. fats and oils statistics, oilseeds, oils and meals, animal fats and oils, food fats, nonfood fats. U. S. D. A. Statist. Bull. 376, 222 p. 1966. 1 Ag84St

Technical Bulletins

- ABBOTT, E. V., and TIPPETT, R. L. Strains of sugarcane mosaic virus. U. S. D. A. Tech. Bull. 1340, 25 p. Ref., p. 23-25. May 1966. 1 Ag84Te

WHITTLESEY, N. K., and HEADY, E. O. Aggregate economic effects of alternative land re-tirement programs: a linear programming analysis. U. S. D. A. Tech. Bull. 1351, 54 p., map. Ref. Aug. 1966. 1 Ag84Te

Iowa Agricultural Experiment Station, cooperating.

HAUN, J. R., CLARK, T. F., and WHITE, A. Fiber and papermaking characteristics of bamboo. U. S. D. A. Tech. Bull. 1361, 19 p. Ref. Aug. 1966. 1 Ag84Te

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. AGRICULTURAL ECONOMICS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the 13th meeting, Washington, 1965. Washington, 1965. 11 p. A261.9 R312

AGRICULTURAL RESEARCH SERVICE

ALLEN, R. R., USSERY, L. R., and TAYLOR, B. M. Water table depth and ground water salinity in the nonirrigated area of the Lower Rio Grande Valley of Texas. U. S. Agr. Res. Serv. ARS-41-115, 21 p., map. Ref. June 1966. A56.9 R31

Texas Agricultural Experiment Station, cooperating.

BLANK, H. R., KNISEL, W. G., and BAIRD, R. W. Geology and groundwater studies in part of the Edwards Plateau of Texas, including Sutton and adjacent counties. U. S. Agr. Res. Serv. ARS-41-103, 40 p., map. Ref. Apr. 1966. A56.9 R31

Texas Agricultural Experiment Station, and Texas Engineering Experiment Station, cooperating.

BOLES, P. P., OVERHEIM, R. K., and DO-DRILL, R. Wholesale food distribution facilities for Huntington, West Virginia. U. S. Agr. Res. Serv. ARS-52-(n.s.)13, 33 p., map. Aug. 1966. A289.9 R31

West Virginia University, Cooperative Extension Service, cooperating.

BRAKENSIEK, D. L. Automated system for analysis of runoff hydrographs. U. S. Agr. Res. Serv. ARS-41-120, 16 p. Mar. 1966. A56.9 R31

BRASHEARS, A. D., and RAY, L. L. Cotton stripper for harvesting research plots. U. S. Agr. Res. Serv. ARS 42-122, 5 p. Aug. 1966. A58.9 R31

GORDON, C. H., DERBYSHIRE, J. C., and HUMPHREY, J. L. The value of mature corn for silage. U. S. Agr. Res. Serv. ARS 44-176, 6 p. May 1966. A49.9 R31A

GRIFFITH, E., and HYLAND, H. L. Plant material introduced January 1 to December 31, 1959 (Nos. 254695 to 262678). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 167, 351 p. Aug. 1966. 1 P698I

GRIZZELL, W. G., and BENNETT, A. H. Hydrocooling stacked crates of celery and sweet corn. U. S. Agr. Res. Serv. ARS-52-12, 40 p. July 1966. A289.9 R31

Florida Agricultural Experiment Station, cooperating.

HARP, E. R. A simplified pollen trap for use on colonies of honey bees. U. S. Agr. Res. Serv. ARS-33-111, 4 p. May 1966. A420 R31

Wisconsin Agricultural Experiment Station, cooperating.

MAHLSTEDE, J. P., and LOVELY, W. G. Application of granular herbicides to ornamental plant materials in nurseries. U. S. Agr. Res. Serv. ARS-42-96, 15 p. May 1966. A56.9 R31

Iowa Agricultural Experiment Station, cooperating.

QUINLAN, J. K., and BERNDT, W. L. Evaluation in Illinois of four inert dusts on stored shelled corn for protection against insects, a progress report. U. S. Agr. Res. Serv. ARS 51-6, 20 p. Ref. June 1966. A280.39 R31A

REGINATO, R. J., and MYERS, L. E. Repair of cracks in concrete channel linings. U. S. Agr. Res. Serv. ARS-41-121, 8 p. June 1966. A56.9 R31

SCHILF, E. A. Brucellosis Eradication Program, progress report, calendar year 1965. U. S. Agr. Res. Serv. ARS 91-57, 73 p., map. Feb. 1966. A41.9 R31A

SYMPOSIUM ON FACTORS INVOLVED IN HOST-AGENT RELATIONSHIPS, AMES, IOWA, 1961. [Proceedings], held at dedication of National Animal Disease Laboratory, Ames, Iowa, December 12 and 13, 1961. U. S. Agr. Res. Serv. ARS-45-5, 179 p. Ref. May 1966. A41.9 R315A

U. S. AGRICULTURAL RESEARCH SERV. General catalogue of the Homoptera. Fascicle VI. Cicadelloidea, 13. Macropsidae, by Z. P. Metcalf. Washington, 1966. 281 p. 431 H78Gc

Contribution from North Carolina Agricultural Experiment Station.

U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program. U. S. Agr. Res. Serv. ARS 44-183, 15 p. July 1966. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Annual report of cooperative State-Federal psoroptic sheep and cattle scabies eradication activities, fiscal year 1965. Hyattsville, Md., 1965. 15 p., map. A41.9 R317A

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. National listing of Validated Brucellosis-Free Herds. U. S. Agr. Res. Serv. ARS 91-43-3, 76 p., map. July 1966. A41.9 R315Ar

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program, Arkansas, handbook for 1965. n.p., 1964. 69 p. A261.9 St194

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program, Oregon, handbook, 1965. Portland, 1964. 38 p. A281.9 St13A

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program: summary by States, 1964. Washington, 1965. 71 p. A281.9 C76

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Programs: maps, 1964. Washington, 1966. 51 p. 1.956 F45Ag8

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Summary of purchases and utilizations of dairy products under the price support program; 1965-66 marketing year. Washington, 1966. 14 p. aHD9275.U4A3

Have also 1964-65.

AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEES

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. IDAHO. Annual statistical report, 1964. Boise, 1965. 106 p. 1.956 F45id13

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. NORTH CAROLINA. FRANKLIN COUNTY. [Annual report], 1965. Louisville, 1965. 33 p. A281.9 St14

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WASHINGTON. Annual report, 1960-1964. n.p., 1965. 191 p., map. A281.9 St192

CONSUMER AND MARKETING SERVICE

BROOKOVER, S. Let's buy meat, an educational program. U. S. Consum. Marketing Serv. C&MS-47, 4 p. July 1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
1965 Honolulu unloads; fruits, vegetables,
meats, dairy and poultry products, by R. Ya-
maguchi. Honolulu, 1966. 30 p. A286.9 M343
Hawaii State Department of Agriculture, co-
operating.

U. S. CONSUMER AND MARKETING SERV.
1967 acreage-marketing guides, winter veg-
etables and potatoes. U. S. Consum. Market-
ing Serv. AMG 51,44 p. Aug. 1966.
A281.3919 M34

U. S. CONSUMER AND MARKETING SERV.
DAIRY DIV. Sources of milk for Federal order
markets by State and county. U. S. Consum.
Marketing Serv. C&MS-50,52 p.,map. Sept.
1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
INFORMATION DIV. Federal-State market
news reports; a directory of services available.
U. S. Consum. Marketing Serv. C-MS-21,48 p.,
map. June 1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
TOBACCO DIV. Light air-cured tobacco mar-
ket review, 1965 crop (1966 season), II. Type
32—Maryland, Washington, 1966. 16 p.,map.
(Its TOB-LA-10) 1.9 E714T

COOPERATIVE STATE RESEARCH SERVICE

U. S. COOPERATIVE STATE RESEARCH
SERV. Forestry research progress in 1965;
McIntire-Stennis Cooperative Forestry Re-
search Program. Washington, 1965. 96 p.,
map. aSD11.A32
Bibliography, p.88-94.

ECONOMIC RESEARCH SERVICE

HUTCHINSON, T. Q. Transporting U.S. wheat,
corn, and soybeans in export channels.
U. S. D. A. Econ. Res. Serv. ERS-305,8 p.
Aug. 1966. A281.9 Ag83E

JONES, L. A. Rural home financing through
the Voluntary Home Mortgage Credit Program.
U. S. D. A. Econ. Res. Serv. ERS-270,22 p.
July 1966. A281.9 Ag83E

KROMER, G. W. U.S. cottonseed industry ad-
justing to short 1966 crop. U. S. D. A. Econ.
Res. Serv. ERS-307,9 p. Aug. 1966.
A281.9 Ag83E

MCARTHUR, J., and TAYLOR, G. C. Feasibil-
ity of establishing alfalfa dehydrating plants in
Northwest Resource Conservation and Develop-
ment Project areas. U. S. D. A. Econ. Res.
Serv. ERS-296,14 p. July 1966.

A281.9 Ag83E
RICE, G. P. Current trends in international
liquidity. U. S. D. A. Econ. Res. Serv. Foreign
Gold Exch. Reserves, Dec. 1965, 16 p.
A284.9 Ag842

SKINNER, S. W. Senegal's agricultural econo-
my in brief. U. S. D. A. Econ. Res. Serv. ERS-
Foreign-166,11 p.,map. Aug. 1966.
A281.9 Ag83

TEGELER, H. H. Cyprus' agricultural economy
in brief. U. S. D. A. Econ. Res. Serv. ERS-
Foreign-159,9 p.,map. July 1966. A281.9 Ag83

FARMER COOPERATIVE SERVICE

MUTTI, R. J., and MCGINNIS, L. J. Operations
of local feed and supply bargaining cooperatives
in Illinois, 1959-64. U. S. Farmer Coop. Serv.
Gen. Rep. 136,32 p.,map. July 1966.
A280.29 F22G

NATIONAL CONFERENCE ON FRUIT AND
VEGETABLE BARGAINING COOPERATIVES,
10, WASHINGTON, D. C., 1966. Proceedings.
Washington, U. S. Farmer Coop. Serv., 1966.
92 p. A280.39 C76

Includes welcoming remarks by R. N. Hamp-
ton.

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Mid-Hudson
Rural Development. Syracuse, N. Y., 1966.
26 p.,map. aHD1755.N4A5

FOREIGN AGRICULTURAL SERVICE

BRYAN, H. C. The almond industry of Italy.
U. S. Foreign Agr. Serv. FAS-M-174,33 p.,
map. July 1966. A281.9 F76Fm

FOREST SERVICE

ALEXANDER, R. R. Establishment of lodge-
pole pine [*Pinus contorta*] reproduction after
different slash disposal treatments. U. S.
Forest Serv. Res. Note RM 62,4 p. May 1966.
A99.9 F7632Us

BRICKELL, J. E. Site index curves for Engel-
mann spruce [*Picea engelmannii*] in the north-
ern and central Rocky Mountains. U. S. For-
est Serv. Res. Note INT 42,8 p.,map. 1966.
A99.9 F764Un

CLARY, W. P., FOLLIOTT, P. F., and
ZANDER, A. D. Grouping sites by soil man-
agement areas and topography. U. S. Forest
Serv. Res. Note RM 60,4 p. Ref. Apr. 1966.
A99.9 F7632Us

CUSHWA, C. T., BRENDER, E. V., and COOP-
ER, R. W. The response of herbaceous vegeta-
tion to prescribed burning. U. S. Forest
Serv. Res. Note SE-53,2 p. Apr. 1966.
A99.9 F7623Un

DEBALD, P. S., and GANSNER, D. A. Ken-
tucky forests; Western Coalfield Unit. U. S.
Forest Serv. Cent. States Forest Exp. Sta.
Resource Bull. CS-9,45 p.,map. Mar. 1966.
A99.9 F7629Uf

Kentucky Department of Natural Resources,
Division of Forestry, cooperating.
DUNCAN, D. A., and REPPERT, J. N. Heli-
copter fertilizing of foothill range. U. S. For-
est Serv. Res. Note PSW-108,3 p. 1966.
A99.9 F7652

FEDERER, C. A. Sustained winter stream-
flow from groundmelt. U. S. Forest Serv. Res.
Note NE-41,4 p. 1965. A99.9 F7622U
FOLKMAN, W. S. "Children-with-matches"
fires in the Angeles National Forest area.
U. S. Forest Serv. Res. Note PSW-109,3 p.
1966. A99.9 F7652

FOLKMAN, W. S. Modifying the communica-
tion effectiveness of fire prevention signs.
U. S. Forest Serv. Res. Note PSW-104,8 p.
1966. A99.9 F7652

GANSNER, D. A., and DEBALD, P. S. Ken-
tucky forests; Pennyroyal Unit. U. S. Forest
Serv. Cent. States Forest Exp. Sta. Resource
Bull. CS-6,46 p.,map. Mar. 1966.
A99.9 F7629Uf

Kentucky Department of Natural Resources,
Division of Forestry, cooperating.
GANSNER, D. A., and DEBALD, P. S. Ken-
tucky forests; Western Unit. U. S. Forest
Serv. Cent. States Forest Exp. Sta. Resource
Bull. CS-8,34 p.,map. Mar. 1966.
A99.9 F7629Uf

Kentucky Department of Natural Resources,
Division of Forestry, cooperating.
HELFMAN, R. S. A MAP [Macro Assembly
Program] fixed-point, packing-unpacking
routine for the IBM 7094 computer. U. S.
Forest Serv. Res. Note PSW-103,3 p. 1966.
A99.9 F7652

HELMERS, A. E. Some effects of log jams
and flooding in a salmon spawning stream.
U. S. Forest Serv. Res. Note NOR-14,4 p.,
map. May 1966. A99.9 F7672U

JAMESON, D. A. Diurnal and seasonal fluctua-
tions in moisture content of pinyon [*Pinus
edulis*] and juniper [*Juniperus*]. U. S. Forest
Serv. Res. Note RM 67,7 p. Ref. 1966.
A99.9 F7632Us

KORMANIK, P. P., STEINBECK, K., and
BROWN, C. L. A new variety of sweetgum
[*Liquidambar styraciflua*]. U. S. Forest Serv.
Res. Note SE-55,2 p. Apr. 1966.
A99.9 F7623Un

MACE, A. C. Accuracy of soil moisture read-
ings with unsealed access tubes. U. S. Forest
Serv. Res. Note RM 61,2 p. May 1966.
A99.9 F7632Us

MARTY, R. Economic guides for blister-rust
control in the East. U. S. Forest Serv. Res.
Pap. NE-45,14 p.,map. 1966. A99.9 F7622Un

MCDONALD, P. M., and SCHIMKE, H. E. A broadcast burn in second-growth clearcuttings in the north central Sierra Nevada. U. S. Forest Serv. Res. Note PSW-99,6 p. 1966. A99.9 F7652

MOLTZAU, R. H. A battery-operated pilot balloon time-signal generator. U. S. Forest Serv. Res. Note PSW-107,8 p. 1966. A99.9 F7652

MOOK, P. V. Heart rots of balsam fir [*Abies balsamea*]. U. S. Forest Serv. Forest Pest Leaflet. 100,6 p. July 1966. A423.9 F764

MYERS, C. A. Yield tables for managed stands with special reference to the Black Hills. U. S. Forest Serv. Res. Paper RM 21,20 p. Ref. 1966. A99.9 F7632U

REYNOLDS, H. G. Slash cleanup in a ponderosa pine [*Pinus ponderosa*] forest affects use by deer and cattle. U. S. Forest Serv. Res. Note RM 64,3 p. May 1966. A99.9 F7632Us

REYNOLDS, H. G. Use of a ponderosa pine [*Pinus ponderosa*] forest in Arizona by deer, elk, and cattle. U. S. Forest Serv. Res. Note RM 63,7 p.,map. May 1966. A99.9 F7632Us

REYNOLDS, H. G. Use of openings in spruce-fir forests of Arizona by elk, deer, and cattle. U. S. Forest Serv. Res. Note RM 66,4 p. 1966. A99.9 F7632Us

REYNOLDS, R. R. 1965 harvest, Crossett farm forestry forties. U. S. Forest Serv. Res. Note SO-29,4 p. 1966. A99.9 F7628U

SCHMIEGE, D. C., and HARD, J. S. A field test in southeast Alaska of *Bacillus thuringiensis* against the black-headed budworm, *Acleris variana* Fern. U. S. Forest Serv. Res. Note NOR-17,4 p. May 1966. A99.9 F7672U

SCHMIEGE, D. C. Mortality of overwintering eggs of the black-headed budworm [*Acleris variana*] and hemlock sawfly [*Neodiprion tsugae*] in southeast Alaska. U. S. Forest Serv. Res. Note NOR-15,4 p. May 1966. A99.9 F7672U

SCHMIEGE, D. C., and HARD, J. S. Oviposition preference of the black-headed budworm [*Acleris variana*] and host phenology. U. S. Forest Serv. Res. Note NOR-16,5 p. May 1966. A99.9 F7672U

SCHROEDER, M. J., and CHANDLER, C. C. Monthly fire behavior patterns. U. S. Forest Serv. Res. Note PSW-112,15 p.,map. 1966. A99.9 F7652

U. S. Weather Bureau, cooperating.

SLUDER, E. R. Hand-pollinate yellow-poplar without climbing. U. S. Forest Serv. Res. Note SE-54,7 p. Apr. 1966. A99.9 F7623Un

SNYDER, E. B., and SQUILLACE, A. E. Cone and seed yields from controlled breeding of southern pines. U. S. Forest Serv. Res. Paper SO-22,7 p. 1966. A99.9 F7628Us

SPRINGFIELD, H. W. Effects of 3 years' grazing at different intensities on crested wheatgrass [*Agropyron desertorum*] lambing range in northern New Mexico. U. S. Forest Serv. Res. Note RM 65,7 p.,map. 1966. A99.9 F7632Us

SUNDAHL, W. E. Crown and tree weights of madrone [*Arbutus menziesii*], black oak [*Quercus kelloggii*], and tanoak [*Lithocarpus densiflorus*]. U. S. Forest Serv. Res. Note PSW-101,4 p. 1966. A99.9 F7652

SYMPOSIUM ON DENSITY, A KEY TO WOOD QUALITY, MADISON, WISCONSIN, 1965. Proceedings, Madison, U. S. Forest Serv., Forest Prod. Lab., 1965. 194 p.,map. Ref. aSD430.59

Includes welcome address by E. G. Locke, introduction and summary remarks by V. L. Harper, and industry keynote by A. T. Smith.

U. S. FOREST SERV. DIV. OF FIRE CONTROL. 10 standard fire fighting orders; a programmed text for training fire fighters to know and apply the ten standard orders to fire situations. Washington, 1965. 111 p.,map. aSD421.U5

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood finishing: discoloration of house paint by blue stain. U. S. Forest Serv. Res. Note FPL-0131,2 p. July 1966. A99.9 F7634Un

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood finishing: mildew on house paints. U. S. Forest Serv. Res. Note FPL-0128,2 p. July 1966. A99.9 F7634Un

U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Report, 1965. Upper Darby, Pa., 1966. 70 p.,map. 1.9 F76222

WENDEL, G. W. Aerial spraying of low-grade hardwood stands with 2,4,5-T in West Virginia. U. S. Forest Serv. Res. Note NE-45,4 p. 1966. A99.9 F7622U

WILLIAMS, C. B. Possible grouse damage on true firs. U. S. Forest Serv. Res. Note PNW 39,7 p. Apr. 1966. A99.9 F7625U

ZINNICKAS, J. D. The Pacific Basin market for wood products for military support activities. U. S. Forest Serv. Res. Paper PSW 27, 6 p. 1966. A99.9 F7652P

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE, OFF. OF INFORMATION. Index guide of U.S.D.A. photos. Washington, 1966. 12 p. A241 Ag823

INTERNATIONAL AGRICULTURAL DEVELOPMENT SERVICE

U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Agricultural development of specific irrigation projects in Tunisia. Washington, 1966. 45 p.,map. Ref. aHD1741 T8A5

Prepared for U.S. Department of State, Agency for International Development.

NATIONAL AGRICULTURAL LIBRARY

ANDREWS, D. T. Rural electrification in the United States, 1954-1964; a list of selected references. U. S. Natl. Agr. Libr. Libr. List 84, 70 p. June 1966. 1.916 L612

CONDON, P. A. Activated charcoal, 1953-1964; a list of selected references. U. S. Natl. Agr. Libr. Libr. List 82,51 p. May 1966. 1.916 L612

U. S. NATIONAL AGRICULTURAL LIBRARY. Available bibliographies and lists. U. S. Natl. Agr. Libr. Libr. List 25,rev.,2 p. Aug. 1966. 1.916 L612

SOIL CONSERVATION SERVICE

NATIONAL TECHNICAL WORK-PLANNING CONFERENCE OF THE COOPERATIVE SOIL SURVEY, CHICAGO, 1965. Proceedings. Washington, U. S. Soil Conserv. Serv., 1965. 128 p. aS590.N3

Committee reports and abstracts of talks.

STATISTICAL REPORTING SERVICE

U. S. DEPT. OF AGRICULTURE, STATISTICAL REPORTING SERV. Commercial fruit tree census, Idaho, 1966. n.p., 1966. 39 p. A281.3939 Ag82

Idaho Department of Agriculture, Bureau of Plant Industry, cooperating.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are usually available from the issuing experiment station, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

Alabama Agricultural Experiment Station, Auburn

WATSON, T. F., and others. Effect of several insecticides and application schedules on cotton insect control. Ala. Agr. Exp. Sta. Progr. Rep. Ser. 88,5 p. July 1965. 100 AL1M
F. S. Arant, W. G. Eden, and M. C. Sconyers, joint authors.

Arizona Agricultural Experiment Station, Tucson

ARIZONA, AGRICULTURAL EXPERIMENT STATION. 1965 report on turgrass research. Ariz. Agr. Exp. Sta. Rep. 230,29 p. 1965. 100 Ar4M

Arkansas Agricultural Experiment Station, Fayetteville

HITE, J. M., and others. Biology of the brown recluse spider [*Loxosceles reclusa*]. Ark. Agr. Exp. Sta. Bull. 711,26 p. Ref. May 1966. 100 Ar42

W. J. Gladney, J. L. Lancaster, and W. H. Whitcomb, joint authors.

KIK, M. C. Nutritive value of pond-reared fish and chicken, and their value in improving cereal diets. Ark. Agr. Exp. Sta. Bull. 716, 31 p. Ref. Aug. 1966. 100 Ar42

POTEET, R., and CONWAY, D. P. Relation between fecal egg counts and parasite counts in sheep infected by the nematode, *Haemonchus contortus*. Ark. Agr. Exp. Sta. Rep. Ser. 151, 8 p. Ref. June 1966. 100 Ar42F

ARKANSAS farm research 15(3),12 p. May/June 1966. 100 Ar42F

ARKANSAS farm research 15(4),12 p. July/Aug. 1966. 100 Ar42F

Colorado Agricultural Experiment Station, Fort Collins

MOORE, F. D. Lettuce responses to applied zinc, 1965. Colo. Agr. Exp. Sta. Colo. Progr. Rep. 187,2 p. July 1966. 100 C71C

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

QUIST, J. A. Approaches to orchard insect control. Colo. Agr. Exp. Sta. Tech. Bull. 517S, 93 p.,map. Ref.,p.85-93. May 1966. 100 C71S

Florida Agricultural Experiment Station, Gainesville

BROOKE, D. L. Costs and returns from vegetable crops in Florida, season 1964-1965, with comparisons. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo Rep. EC 66-10,33 p.,map. Feb. 1966. 281,9 F663

FLORIDA, AGRICULTURAL EXPERIMENT STATION. Department of Agricultural Economics, University of Florida, Gainesville, Florida; fifteen years of publications, July 1, 1950-June 30, 1965. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-12,103 p. June 1966. 281,9 F663

BROOKE, D. L. Florida truck crop competition. 1. Inter-state and foreign. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 67-1,29 p. Sept. 1966. 281,9 F663

MAGIE, R. O., OVERMAN, A. J., and WATERS, W. E. *Gladiolus* corm production in Florida. Fla. Agr. Exp. Sta. Bull. 664A,42 p. July 1966. 100 F66S

KELBERT, D. G. A., and others. Tomato production on the sandy soils of south Florida. Fla. Agr. Exp. Sta. Bull. 710,41 p. May 1966. 100 F66S

P. H. Everett, A. J. Overman, C. M. Geraldson, E. G. Kelsheimer, J. P. Jones, D. S. Burgess, and E. L. Spencer, joint authors.

GREENMAN, J. R. Making a will in Florida, for agricultural and other estates. Fla. Agr. Exp. Sta. Bull. 711,28 p. Ref.,p.25-28. July 1966. 100 F66S

KERR, S. H. Recommendations for commercial lawn sprayman. Fla. Agr. Exp. Sta. Circ. S-121C,18 p. Apr. 1966. 100 F66Ci

FLORIDA, AGRICULTURAL EXPERIMENT STATION. Annual report for the fiscal year ending June 30, 1965. Gainesville, 1965. 429 p.,map. 100 F66S

Florida Agricultural Experiment Station, Indian River Field Laboratory

FLORIDA, AGRICULTURAL EXPERIMENT STATION, INDIAN RIVER FIELD LABORATORY. Bacterial leaf spot of tomatoes, its dissemination and control problems. Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Rep. 66-4,11 p. May 11, 1966. 100 F664
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Georgia Agricultural Experiment Stations, Athens

BROWN, J. D. Factors associated with the cost of producing milk for higher producing dairy herds in Georgia. Ga. Agr. Exp. Sta. Bull. (n.s.),170,18 p.,map. Aug. 1966. 100 G293B

MOSS, R. B., WILLIAMS, E. W., and HALE, O. M. Swine performance, carcass traits, and costs as affected by level of feed. Ga. Agr. Exp. Sta. Circ. (n.s.),48,11 p.,map. July 1966. 100 G293Ci

RAUNKER, R., PURCELL, J. C., and ELROD, J. C. Consumption and expenditure analysis for fruits and vegetables in Atlanta, Georgia. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.),53,65 p.,map. June 1966. 100 G293T

GEORGIA agricultural research 7(4),16 p. Spring 1966. 100 G295

GEORGIA agricultural research 8(1),12 p. Summer 1966. 100 G295

Hawaii Agricultural Experiment Station, Honolulu

NAKAMURA, M. T., and SHERMAN, G. D. The genesis of halloysite and gibbsite from mugearite on the Island of Maui. Hawaii. Agr. Exp. Sta. Tech. Bull. 62,36 p. Ref. Dec. 1965. 100 H313T

ROSS, E. Pineapple by-products. I. The effect of pineapple stump by-products on chick growth. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 142,11 p. July 1965. 100 H313P

MOKASDAR, P. D., and HERRICK, R. B. Performance of Single Comb White Leghorn pullets in community cages of various sizes with variation in cage construction and concentration of birds. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 143,12 p. July 1965. 100 H313P

ROMANOWSKI, R. R., and TANAKA, J. S. An evaluation of herbicides for use with cucumbers (*Cucumis sativus*) and watermelons (*Citrullus vulgaris*) in Hawaii. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 144,30 p. July 1965. 100 H313P

ROMANOWSKI, R. R., and TANAKA, J. S. Secondary herbicide screening trials with leguminous vegetable crops in Hawaii. Hawaii. Agr. Exp. Sta. Tech. Progr. Rep. 146, 23 p. Dec. 1965. 100 H313P
HAWAII farm science 14(4), 8 p. Oct. 1965. 100 H314

Illinois Agricultural Experiment Station, Urbana

DUE, J. M. Changes in incomes and imports of consumer goods in Sierra Leone. Ill. Agr. Exp. Sta. Bull. 719, 63 p., map. Ref. Aug. 1966. 100 IL6S
STROHBEHN, R. W. Resource productivity and income distribution, with implications for farm tenure adjustment. Ill. Agr. Exp. Sta. Bull. 720, 35 p., map. Ref. Aug. 1966. 100 IL6S
U. S. Department of Agriculture, cooperating.
ILLINOIS agricultural economics 6(2), 30 p. July 1966. 281.9 IL6J
ILLINOIS research 8(3), 20 p., map. Summer 1966. 100 IL64

Indiana Agricultural Experiment Station, Lafayette

WADSWORTH, H. A., and CONRAD, J. M. Impact of new industry on a rural community. Ind. Agr. Exp. Sta. Res. Bull. 811, 14 p. Ref. July 1966. 100 In2P
ARMSTRONG, J. H., and PETTIGREW, W. E. Price variation in fertilizer mixtures and materials. Ind. Agr. Exp. Sta. Res. Bull. 812, 10 p. July 1966. 100 In2P

KADLEC, J. E., and others. Comparison of swine growing-finishing building systems. Ind. Agr. Exp. Sta. Res. Bull. 816, 20 p. Aug. 1966. 100 In2P

W. H. M. Morris, D. Bache, R. Crawford, H. Jones, R. Pickett, M. D. Judge, A. C. Dale, R. M. Peart, W. H. Friday, E. O. Haeltgerman, and P. N. Boehm, joint authors.

WILSON, M. C., and HUBER, R. T. The alfalfa weevil [Hypera postica] in Indiana, 1965. Ind. Agr. Exp. Sta. Res. Progr. Rep. 210, 2 p., map. Dec. 1965. 100 In2Res

CALDWELL, R. M., and others. Benhur soft red winter wheat, early and resistant to diseases and Hessian fly. Ind. Agr. Exp. Sta. Res. Progr. Rep. 257, 4 p. June 1966. 100 In2Res
L. E. Compton, F. L. Patterson, J. F. Schaffer, and R. L. Gallun, joint authors.

U. S. Department of Agriculture, cooperating.
CUMMINGS, K. R., NOLLER, C. H., and RHYKERD, C. L. The effect of ensiling and the addition of limestone on the nitrate content of corn silage. Ind. Agr. Exp. Sta. Res. Progr. Rep. 262, 4 p. July 1966. 100 In2Res

PICKETT, R. A., and PERRY, T. W. Effect of methods of preparation and feeding of corn on the performance of growing-finishing swine. Ind. Agr. Exp. Sta. Res. Progr. Rep. 265, 3 p. Sept. 1966. 100 In2Res

WILSON, M. C., HINTZ, T. R., and MEEKS, R. W. Evaluating insecticides for alfalfa weevil [Hypera postica] control. Ind. Agr. Exp. Sta. Res. Progr. Rep. 266, 7 p. Sept. 1966. 100 In2Res

Iowa Agricultural and Home Economics Experiment Station, Ames

KALDOR, D. R., and JETTON, R. C. Characteristics of operator entry into Iowa farming, 1959-60. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 546:737-772. Aug. 1966. 100 Io9

Iowa State University of Science and Technology, Center for Agricultural and Economic Development, Department of Economics and Sociology, cooperating.

IOWA. STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. Annual report, 1965-66; an abbreviated annual report of the Iowa Agriculture and Home Economics Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics, for the period, July 1, 1965, through June 30, 1966. Ames, Iowa, 1966. 16 p. 100 Io92

Kentucky Agricultural Experiment Station, Lexington

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1965: 78th annual report of the Director. Lexington, 1966. 95 p. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

FINLEY, E. L. Influence of cotton fiber elongation on fabric properties of Type 140 cotton sheeting. La. Agr. Exp. Sta. Bull. 610, 20 p. Ref. Apr. 1966. 100 L93

FOIL, R. R., and MERRIFIELD, R. G. Planted forests of Louisiana. La. Agr. Exp. Sta. Bull. 611, 48 p., map. June 1966. 100 L93

Louisiana Forestry Commission, cooperating.

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. 57th annual progress report, Rice Experiment Station, Crowley, Louisiana, 1965. n.p., 1965. 236 p. 100 L93

U. S. Department of Agriculture, cooperating.
LOUISIANA agriculture 9(4), 16 p. Summer 1966. 100 L939

Maine Agricultural Experiment Station, Orono

RADKE, F. H., and others. Relationships of proteins, essential fatty acids, and cholesterol in the rat and the mouse. Maine. Agr. Exp. Sta. Tech. Bull. 21, 58 p. Ref. Feb. 1966. 100 M28B

H. De Haas, E. K. Gabrielson, and M. E. Norburg, joint authors.
Part of a Northeast Regional Project.

Maryland Agricultural Experiment Station, College Park

HUTCHINSON, J., and FOSTER, P. W. Foreign donations of American agricultural abundance by voluntary agencies, 1950-1964. Md. Agr. Exp. Sta. Misc. Publ. 570, 25 p., map. Ref. June 1966. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

MARUYAMA, Y., and FULLER, E. I. An interregional quadratic programming model for varying degrees of competition. Mass. Agr. Exp. Sta. Bull. 555, 43 p. Ref. Nov. 1965. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

DAVIDSON, H., and others. The nursery industry and floriculture; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 43, 11 p. June 1966. 284.9 M58
C. E. Lewis, R. A. Mecklenburg, P. R. Krone, R. Lindstrom, T. Fossum, J. C. Krone, and H. Hutchings, joint authors.

Published jointly with Michigan State University, Cooperative Extension Service.

NELSON, L., and others. Field crops, market firms, and farm supply; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 44, 17 p. June 1966. 284.9 M58
L. Kyle, R. E. Lucas, F. Elliott, G. K. Dike, H. Ecker, and R. Heifner, joint authors.

Published jointly with Michigan State University, Cooperative Extension Service.

MURRAY, D. L., and others. The dairy industry; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 45,11 p. June 1966. 284,9 M58

C. R. Hoglund, A. L. Rippen, and L. E. Juers, joint authors.

Published jointly with Michigan State University, Cooperative Extension Service.

WHITE, R. G., MCCOLLY, H. F., and STURT, D. W. Farm machinery and farm labor; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 48,14 p. June 1966. 284,9 M58

Published jointly with Michigan State University, Cooperative Extension Service.

LARSEN, R. P., and others. The fruit and vegetable industries. Bees and pollination; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 49,33 p. June 1966. 284,9 M58

M. Kelsey, P. Wooley, G. McManus, C. Nicklow, J. Downes, S. Ries, S. Honma, R. Lucas, W. S. Greig, D. Ricks, P. Larsen, C. Bedford, and E. C. Martin, joint authors.

Published jointly with Michigan State University, Cooperative Extension Service.

HENDERSON, H., and others. Livestock and meat; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 50,20 p. June 1966. 284,9 M58

E. C. Miller, G. Blank, J. Price, H. Riley, and W. McLeod, joint authors.

Published jointly with Michigan State University, Cooperative Extension Service.

SHEPPARD, C. C., and LARZELERE, H. E. Eggs and poultry; project '80, rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 51,10 p. June 1966. 284,9 M58

Published jointly with Michigan State University, Cooperative Extension Service.

HATHAWAY, D. E., and others. Michigan farmers in the mid sixties; a survey of their views of marketing problems and organizations. Mich. Agr. Exp. Sta. Res. Rep. 54,76 p., map. Aug. 1966. 284,9 M58

R. L. Feltner, J. D. Shaffer, and D. Morrison, joint authors.

Minnesota Agricultural Experiment Station,
St. Paul Campus, St. Paul 1

MCCAFFERY, K. R., and IRVING, F. D. Forest fires in Koochiching County, prevention and control. Minn. Agr. Exp. Sta. Misc. Rep. 71, 16 p., map. Ref. Aug. 1966. 100 M66

SOINE, O. C. Fifty years of weather at the Northwest Experiment Station. Minn. Agr. Exp. Sta. Misc. Rep. 72,16 p. Aug. 1966. 100 M66

WINDELS, H. F., MEADE, R. J., and DAMMANN, M. Injectable iron as a preventative for nutritional anemia in the young pig. Minn. Agr. Exp. Sta. Bull. 250,24 p. Ref. Aug. 1966. 100 M66

TAYLOR, D. C., and JENSEN, H. R. Profitable farm adjustments in southwestern Minnesota. Minn. Agr. Exp. Sta. Bull. 484,36 p., map. Sept. 1966. 100 M66

TXP, P. E., and SUNDQUIST, W. B. Use of a producer panel to estimate changes in agricultural production in Minnesota's dairy belt. Minn. Agr. Exp. Sta. Tech. Bull. 251,18 p. Ref. Sept. 1966. 100 M66

U. S. Department of Agriculture, cooperating.

Mississippi Agricultural Experiment Station, State College

BARRENTINE, W. L., WOOTEN, O. B., and HOLSTUN, J. T. A progress report on the evaluation of soil incorporators—dye techniques. Miss. Agr. Exp. Sta. Bull. 702,6 p. Mar. 1965. 100 M69

MCWHORTER, C. G., WOOTEN, O. B., and BAKER, R. S. Preemergence herbicide injection for weed control. Miss. Agr. Exp. Sta. Bull. 723,7 p. Mar. 1966. 100 M69

U. S. Department of Agriculture, cooperating.

JOHNSON, H. W., and HOGG, P. G. New variety of alfalfa is named Delta. Miss. Agr. Exp. Sta. Inform. Sheet 893,2 p. July 1965. 100 M69In

JOHNSON, H. W., and BENNETT, H. W. New rust-resistant variety of ryegrass is named Magnolia. Miss. Agr. Exp. Sta. Inform. Sheet 899,2 p. July 1965. 100 M69In

BROWNING, C. B., and LUSK, J. W. Influence of maturity at harvest on yield and quality of grain sorghum silage. Miss. Agr. Exp. Sta. Inform. Sheet 900,2 p. July 1966. 100 M69In

MORRISON, E. G., COATS, R. E., and GILL, W. J. Brown Loam [Branch Experiment Station] winter grazing test on high fertility and supplementary feeding. Miss. Agr. Exp. Sta. Inform. Sheet 901,2 p. Aug. 1965. 100 M69In

HARTWIG, E. E. Semmes, a new soybean variety for the Delta area. Miss. Agr. Exp. Sta. Inform. Sheet 902,1 p. Aug. 1965. 100 M69In

CULP, T. W., and AZLIN, W. R. Sunflower tests in the Mississippi Delta. Miss. Agr. Exp. Sta. Inform. Sheet 903,2 p. Oct. 1965. 100 M69In

IVANOFF, S. S. Verona, a new fine-quality shipping melon with multiple disease resistance. Miss. Agr. Exp. Sta. Inform. Sheet 904, 2 p. Oct. 1965. 100 M69In

DICK, J. B., and LOE, R. H. Cotton skip-row variety test results, 1963-64. Miss. Agr. Exp. Sta. Inform. Sheet 905,2 p. Oct. 1965. 100 M69In

BROYLES, J. W., and others. Corn stunt in Mississippi, 1963. Miss. Agr. Exp. Sta. Inform. Sheet 906,2 p. Oct. 1965. 100 M69In
W. A. Douglas, A. J. Ullstrup, and W. N. Stoner, joint authors.

U. S. Department of Agriculture, cooperating.
PETTIT, J. V. Soil test information from a recent survey of ten Mississippi Delta counties. Miss. Agr. Exp. Sta. Inform. Sheet 907, 2 p. Nov. 1965. 100 M69In

SOLOMON, J. D., and MORRIS, R. C. White oak borer [*Goes tigrinus*] in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 908,2 p. Nov. 1965. 100 M69In

PALMER, R. D., and BROADHEAD, D. Weed control in Tracy sorgo. Miss. Agr. Exp. Sta. Inform. Sheet 909,2 p. Nov. 1965. 100 M69In

HARE, W. W. Mississippi Silver, a new cowpea. Miss. Agr. Exp. Sta. Inform. Sheet 910, 2 p. Dec. 1965. 100 M69In

LINDLEY, C. E., and others. Frequency of feeding beef cows. Miss. Agr. Exp. Sta. Inform. Sheet 911,1 p. Dec. 1965. 100 M69In
G. Howse, W. A. Pund, and O. A. Valentine, joint authors.

THOMPSON, W. R., and WARD, C. Y. Prevention of thatch accumulation on Tifgreen bermudagrass [*Cynodon spp.*] golf green turf. Miss. Agr. Exp. Sta. Inform. Sheet 912,2 p. Dec. 1965. 100 M69In

WINDHAM, S. L. Fertilizer needs for greenhouse tomatoes. Miss. Agr. Exp. Sta. Inform. Sheet 913,1 p. Dec. 1965. 100 M69In

ROSENKRANZ, E. E., GROGAN, C. O., and DOUGLAS, W. A. Mississippi corn virus tests in 1965. Miss. Agr. Exp. Sta. Inform. Sheet 914,2 p. Jan. 1966. 100 M69In

U. S. Department of Agriculture, cooperating.
MYHRE, D. L., and SANFORD, J. O. What should be done with corn stalk residue. Miss. Agr. Exp. Sta. Inform. Sheet 915,2 p. Jan. 1966. 100 M69In

DIGGS, B. G., and BAKER, B. Antibiotics in swine rations. Miss. Agr. Exp. Sta. Inform. Sheet 916,1 p. Jan. 1966. 100 M69In

HARE, W. W. Mississippi Nemaheart, a new pimiento pepper. Miss. Agr. Exp. Sta. Inform. Sheet 917,2 p. Feb. 1966. 100 M69In

HARTWIG, E. E. Molybdenum for soybeans on Delta soils. Miss. Agr. Exp. Sta. Inform. Sheet 918,1 p. Mar. 1966. 100 M69In

U. S. Department of Agriculture, cooperating.

- ESSIG, H. W., SHAWVER, C. B., and GODSEY, V. D. Poloxalene for control of bloat of beef cattle grazing ladino clover. Miss. Agr. Exp. Sta. Inform. Sheet 919, 1 p. Mar. 1966. 100 M69In
- ESSIG, H. W., and SHAWVER, C. B. Terramycin and dimethylpolysiloxane in molasses blocks for bloat control. Miss. Agr. Exp. Sta. Inform. Sheet 920, 1 p. Mar. 1966. 100 M69In
- MERWINE, N. C. Grain sorghum varieties. Miss. Agr. Exp. Sta. Inform. Sheet 921, 2 p. Mar. 1966. 100 M69In
- GREEN, G. D. Soybean row spacing. Miss. Agr. Exp. Sta. Inform. Sheet 922, 1 p. Mar. 1966. 100 M69In
- ANTHONY, J. L. Residual value of phosphates for soybean production on a black land soil in the hill section of Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 923, 2 p. Mar. 1966. 100 M69In
- HARTWIG, E. E. Effect of TIBA [triiodobenzoic acid] on soybean seed yields in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 924, 1 p. Mar. 1966. 100 M69In
- SPURGEON, W. I. Skip-row cotton yield as affected by different skip-row systems, nitrogen rates and row direction. Miss. Agr. Exp. Sta. Inform. Sheet 925, 2 p. Mar. 1966. 100 M69In
- HAMMETT, H. L. Sweet potato varieties. Miss. Agr. Exp. Sta. Inform. Sheet 926, 2 p. Mar. 1966. 100 M69In
- SANDERS, T. G., and KUYKENDALL, R. Corn hybrid varieties for silage. Miss. Agr. Exp. Sta. Inform. Sheet 927, 2 p. Apr. 1966. 100 M69In
- CAMPBELL, J. A. The value of supplemental irrigation with certain vegetable crops for processing. Miss. Agr. Exp. Sta. Inform. Sheet 928, 1 p. Apr. 1966. 100 M69In
- BROWNING, C. B., and MCGEE, W. H. Summer pastures for yearling dairy heifers. Miss. Agr. Exp. Sta. Inform. Sheet 929, 2 p. Apr. 1966. 100 M69In
- CARPENTER, T. G., and FOX, W. R. Soil profile measurement. Miss. Agr. Exp. Sta. Inform. Sheet 930, 2 p. Apr. 1966. 100 M69In
- THURMAN, C. W., and WARD, C. Y. Performance of sorghum hybrids and varieties in Mississippi. Miss. Agr. Exp. Sta. Inform. Sheet 931, 2 p. Apr. 1966. 100 M69In
- MISSISSIPPI farm research 29(6), 8 p. June 1966. 100 M69Mi
- MISSISSIPPI farm research 29(7), 8 p. July 1966. 100 M69Mi
- MISSISSIPPI farm research 29(8), 8 p. Aug. 1966. 100 M69Mi
- MISSISSIPPI farm research 29(9), 8 p. Sept. 1966. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

- GEBHARDT, M. R., and DAY, C. L. How to calibrate your sprayer. Mo. Agr. Exp. Sta. Bull. 848, 8 p. May 1966. 100 M693
- JUSTUS, F. E., and GIESLER, G. G. Feeder pig production costs and returns in the Missouri Ozarks. Mo. Agr. Exp. Sta. Bull. 849, 27 p., map. 1966. 100 M693
- DAY, C. L., and PANDA, H. H. Physical properties of alfalfa hay. 1. Specific weight of chopped hay fragments. 2. Porosity of alfalfa hay masses. Mo. Agr. Exp. Sta. Bull. 909, 11 p. June 1966. 100 M693
- METCALF, V. A. Assembling, storing and ginning cotton in the Mississippi Delta. Mo. Agr. Exp. Sta. Res. Bull. 878, 67 p. Ref. Jan. 1965. 100 M693
- Agricultural Experiment Stations of Arizona, Arkansas, Georgia, Louisiana, Mississippi, Missouri, New Mexico, Tennessee, and Texas, cooperating.

JOHNSON, H. D., and others. Environmental physiology and shelter engineering with special reference to domestic animals. LXX. Temperature and controlled feeding effects on lactation and related physiological reactions of cattle. Mo. Agr. Exp. Sta. Res. Bull. 902, 27 p. Feb. 1966. 100 M693

- H. H. Kihler, I. L. Berry, O. Wayman, and C. P. Merilan, joint authors.
- HUGGANS, J. L., and BLICKENSTAFF, C. C. Parasites and predators of grasshoppers in Missouri. Mo. Agr. Exp. Sta. Res. Bull. 903, 40 p., map. Ref. Jan. 1966. 100 M693
- DOPSON, F. C., and MILLER, F. Effects of urban expansion on ownership, use and taxation of agricultural land. Mo. Agr. Exp. Sta. Res. Bull. 907, 42 p., map. Ref. Apr. 1966. 100 M693
- LAMBETH, V. N., STRATEN, E. F., and FIELDS, M. L. Fruit quality attributes of 250 foreign and domestic tomato accessions. Mo. Agr. Exp. Sta. Res. Bull. 908, 53 p. Ref. May 1966. 100 M693

Nebraska Agricultural Experiment Station, Lincoln

- DREIER, A. F., and others. Nebraska varietal tests of fall-sown small grains, 1966. Nebr. Agr. Exp. Sta. Outstate Testing Circ. 123, 24 p., map. Aug. 1966. 100 N270
- J. W. Schmidt, P. H. Grabouski, and L. A. Daigler, joint authors.

New York (State) Agricultural Experiment Station, Geneva

- NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Inspection of commercial feeds, fertilizers, and agricultural liming materials, sold in New York State, January 1 to December 31, 1964. N. Y. (State) Agr. Exp. Sta. Bull. 810, 98 p. June 1965. 100 N48
- New York State Department of Agriculture and Markets, cooperating.
- GLASS, E. H. Apple maggot [*Rhagoletis pomonella*] control in western New York. N. Y. (State) Agr. Exp. Sta. Res. Circ. 5, 11 p. July 1966. 100 N48R
- NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION (GENEVA). Eighty-fourth annual report, 1965. Geneva, 1966. 55 p. (Its Legislative Document No. 89) 100 N48

North Carolina Agricultural Experiment Station, State College Station, Raleigh

- HARDIN, J. W. Stock-poisoning plants of North Carolina. N. C. Agr. Exp. Sta. Bull. 414, rev., 126 p., map. Ref. May 1966. 100 N81
- BALLINGER, W. E. Seasonal trends in Woltcott blueberry (*Vaccinium corymbosum* L.) leaf and berry composition. N. C. Agr. Exp. Sta. Tech. Bull. 173, 24 p. Ref. June 1966. 100 N81
- GOODE, L. Pastures for yearling beef cattle in Piedmont North Carolina. N. C. Agr. Exp. Sta. Tech. Bull. 428, 22 p. June 1966. 100 N81

North Dakota Agricultural Experiment Station, State College Station, Fargo

- JOHNSON, J. E., and BERG, K. Livestock lease arrangements. N. Dak. Agr. Exp. Sta. Bull. 465, 20 p. July 1966. 100 N813
- LOCKHART, W. C., BRYANT, R. L., and DICKENS, D. Amino acids and enzyme supplementation of barley-base layers diets. N. Dak. Agr. Exp. Sta. Res. Rep. 18, 20 p. Ref. July 1966. 100 N813R

HOAG, D. G., TIMM, J. P., and LANA, E. P. A comparison of the observed performance and hardness zone recommendations of woody ornamentals grown in the Northern Plains. N. Dak. Agr. Exp. Sta. Res. Rep. 19,7 p. Ref. Sept.1966. 100 N813R

NORTH DAKOTA farm research 24(5),24 p. May/June 1966. 100 N813B

Ohio Agricultural Research and Development Center,
Wooster

OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Research and development for economic growth, 84th annual report, 1965. Ohio.Agr. Res. Develop. Center. Bull. 986,53 p.,map. 1965. 100 Oh3S

OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Fruit crops research, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 9,86 p.,map. Aug.1966. 100 Oh3Rs

OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Sheep research and development, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 11,38 p.,map. July 1966. 100 Oh3Rs

OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Swine research. Ohio. Agr. Res. Develop. Center. Res. Sum. 13, 24 p.,map. July 1966. 100 Oh3Rs

OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Dairy science, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 14, 14 p.,map. Aug.1966. 100 Oh3Rs

Oklahoma Agricultural Experiment Station, Stillwater

SCHNEEBERGER, K. C., and others. Resource requirements, costs and expected returns; beef cattle and improved pasture alternatives; east central and south central Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-544,48 p.,map. Aug.1966. 100 Ok4M

H. E. Workman, W. Halbrook, and O. L. Walker, joint authors.
U. S. Department of Agriculture, cooperating.

BRISCOE, N. A., BAKER, A. J., and CORLEY, E. M. Cost characteristics and management decisions of Oklahoma cooperative grain elevators. Okla. Agr. Exp. Sta. Process. Ser. P-545,26 p. Aug.1966. 100 Ok4M

GRAY, F. Morphology and genesis of soils of the Reddish Prairie Zone. Okla. Agr. Exp. Sta. Process. Ser. P-546,55 p.,map. Ref. Aug.1966. 100 Ok4M

U. S. Department of Agriculture, cooperating. Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

OKLAHOMA, AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966, Caddo Peanut Research Station, Fort Cobb, Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-547,30 p. Sept.1966. 100 Ok4M

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

OKLAHOMA, AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966, Oklahoma Irrigation Research Station, Altus, Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-548,29 p. Oct.1966. 100 Ok4M

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Oregon Agricultural Experiment Station, Corvallis

RALSTON, A. T., TAYLOR, N. O., and KENNICK, W. H. The effect of feed grain preparation upon feedlot performance and carcass characteristics of steers. Oreg. Agr. Exp. Sta. Spec. Rep. 221,5 p. Sept.1966. 100 Or3M

Not available free from issuing agency. Photocopies may be ordered from the Library.

RALSTON, A. T., and DAVIDSON, T. P. Variations in steer performance and carcass characteristics due to hay quality and/or preparation. Oreg. Agr. Exp. Sta. Spec. Rep. 222,7 p. Sept. 1966. 100 Or3M

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

RITCHER, P. O. Biological control of insects and weeds in Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 90,39 p. Ref.,p.36-39. Apr.1966. 100 Or3S

MILBRATH, J. A. Stony pit of pear in Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 93,23 p. Ref. June 1966. 100 Or3S

Pennsylvania Agricultural Experiment Station,
University Park

SCIENCE for the farmer 13(4),16 p. Summer 1966. 100 P381S

Puerto Rico Agricultural Experiment Station, Rio Piedras

SILVA DE BONILLA, R. M., and GUZMAN DE DURAN, A. Occupational plans and aspirations of Puerto Rican and American high school seniors compared. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 197,42 p. Ref. Dec.1965. 100 P83

RANDEL, P. F. A comparison of whole milk vs. milk-replacer and of weaning at 6 or 9 weeks in raising dairy calves. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 198,19 p. Ref. May 1966. 100 P83

COLLAZO SAINZ, L. R., and RODRIGUEZ DE VARGAS, B. Recommended agricultural practices adopted by Puerto Rican tobacco farmers. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 200, 28 p., map. June 1966. 100 P83 English summary.

SAMUELS, G. A survey of the pH status of the soils of Puerto Rico. P. R. (Rio Piedras) Agr. Exp. Sta. Tech. Pap. 42, 33 p., map. June 1966. 100 P83T

JOURNAL of agriculture of the University of Puerto Rico 50(3):161-253. July 1966. 8 P832J

Rhode Island Agricultural Experiment Station, Kingston

RHODE Island agriculture 12(3), 15 p. June 1966. 100 R342

South Carolina Agricultural Experiment Station, Clemson

SPURLOCK, H. C., and ROSS, J. E. Fiber quality characteristics of South Carolina cotton in 1965. S. C. Agr. Exp. Sta. AE 294, 115 p., map. July 1966. 281.9 C59

JONES, U. S. Nitrogen: the keystone of protein. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 52, 57 p., map. June 1965. 56.9 So84

HUBBARD, J. W., MALPHRUS, L. D., and LANHAM, W. J. Economics of production and marketing of livestock in South Carolina. S. C. Agr. Exp. Sta. Bull. 525, 62 p., map. June 1966. 100 So8

CHALUPA, W., BRANNON, C. C., and CONLEY, C. Hybrid sorghum and pearl millet as supplemental grazing crops for dairy cattle. S. C. Agr. Exp. Sta. Bull. 526, 14 p. Ref. July 1966. 100 So8

SPURLOCK, H. C., and others. An economic analysis of harvesting, processing, and storing Coastal bermudagrass [Cynodon dactylon] hay and pellets. S. C. Agr. Exp. Sta. Bull. 527, 15 p. July 1966. 100 So8

N. A. Wynn, W. A. Balk, and D. E. Crawford, joint authors.

HILL, J. R., and WOODS, S. G. Summer pasture grasses for beef cows in the Coastal Plains. S. C. Agr. Exp. Sta. Circ. 146, 6 p., folder. July 1966. 100 So8

VAN BLARICOM, L. O., SEFICK, H. J., and SKELTON, B. J. Production of frozen peaches in institutional size containers. S. C. Agr. Exp. Sta. Res. Ser. 73, 7 p. Dec. 1965. SB21.86

VAN BLARICOM, L. O., and WEBB, H. J. The discoloration of fresh peaches. S. C. Agr. Exp. Sta. Res. Ser. 74, 21 p. Dec. 1965. SB21.86

COOPER, R. E., SEFICK, H. J., and SIMS, E. T. The effects of three levels of nitrogen and potassium fertilizers on yield, pruning weights, petiole nutrient content, and juice quality of Concord grapes. S. C. Agr. Exp. Sta. Res. Ser. 75, 39 p. Ref. Dec. 1965. SB21.86

GODLEY, W. C., WISE, J. F., and GODBEY, E. G. Effects of age and weight of dam and sex of calf on birth and weaning weight of beef calves. S. C. Agr. Exp. Sta. Tech. Bull. 1023, 12 p. July 1966. 100 So8T

South Dakota Agricultural Experiment Station, Brookings

BUCHHOLTZ, W. F., NAGEL, C. M., and PULSIFER, H. G. Prunus hortulana, a virus-free, nonsprouting understock for hardy plums and ornamental prunus. S. Dak. Agr. Exp. Sta. Bull. 534, 8 p. July 1966. 100 So82

BIGGAR, J. C., and SAUER, H. M. Evaluation of the farm and home development program in Deuel County, 1958 to 1964. S. Dak. Agr. Exp. Sta. Bull. 535, 39 p. Aug. 1966. 100 So82 Published jointly with South Dakota Cooperative Extension Service.

ROSS, J. G., BULLIS, S. S., and MOORE, R. A. Grass performance in South Dakota. S. Dak. Agr. Exp. Sta. Bull. 536, 21 p. Aug. 1966. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

JEFFREY, B. I. Educational and vocational goals of rural youth and their parents in Tennessee. Tenn. Agr. Exp. Sta. Bull. 399, 51 p. Mar. 1966. 100 T25S

Texas Agricultural Experiment Station, College Station

SHELTON, M., MORROW, J. T., and BUTLER, O. D. Reproductive efficiency of Fine-wool sheep. Tex. Agr. Exp. Sta. B-1050, 18 p. Ref. May 1966. 100 T31S

MOORE, D. S., and KENNEDY, R. Effect of size of farm on long term debt repayment capacity for dryland farms on medium-textured (mixed) soils of the Texas High Plains. Tex. Agr. Exp. Sta. MP-797, 16 p., map. Feb. 1966. 100 T31M

MULLINS, T. Production requirements and estimated costs and returns for rice and beef cattle under alternative rotation programs in the Coast Prairie, Texas. Tex. Agr. Exp. Sta. MP-801, 18 p., map. Mar. 1966. 100 T31M U. S. Department of Agriculture, cooperating.

ROBERTSON, W., and WALKER, H. J. Effect of nitrogen source and rate on irrigated grain sorghum. Tex. Agr. Exp. Sta. MP-806, 3 p. May 1966. 100 T31M

PATERSON, D. R., and others. Effects of nitrogen on yield, quality and mineral uptake of Harvester snap beans. Tex. Agr. Exp. Sta. MP-808, 11 p. Ref. June 1966. 100 T31M

J. D. Downes, N. H. Peck, H. Ozaki, K. B. Tyler, and S. C. Wiggins, joint authors.

GERARD, C. J., and others. Yield and quality of sugar beets in the Lower Rio Grande Valley. Tex. Agr. Exp. Sta. MP-809, 10 p. June 1966. 100 T31M

J. E. Matocha, W. R. Cowley, and F. P. Griffiths, joint authors.

SMITH, H. E. Sales, incentive payments and prices for Texas wool, 164 marketing year. Tex. Agr. Exp. Sta. MP-810, 20 p., map. Aug. 1966. 100 T31M

TEXAS agricultural progress 12(3), 23 p. Summer 1966. 100 T31Te

Vermont Agricultural Experiment Station, Burlington

BEVINS, M. L., and SYKES, J. G. Vermont dairy and poultry profile. Vt. Agr. Exp. Sta. Misc. Publ. 40, 43 p., map. June 1966. 100 V59M

BEVINS, M. L., and EDDY, D. K. ELFAC⁺ [Electronic Farm Accounts] farm business analysis. Vt. Agr. Exp. Sta. Misc. Publ. 41, 15 p. May 1965. 100 V59M

BOYCE, B. R., and WIGGANS, S. C. Cultural studies on grapes in Vermont, 1953-1964. Vt. Agr. Exp. Sta. Misc. Publ. 45, 5 p. Jan. 1965. 100 V59M

WIGGANS, S. C., and BOYCE, B. R. Cultural studies on blueberries in Vermont, 1952-1964. Vt. Agr. Exp. Sta. Misc. Publ. 46, 8 p. Jan. 1965. 100 V59M

WIGGANS, S. C. Peony variety collection, 1955-1964. Vt. Agr. Exp. Sta. Misc. Publ. 47, 7 p. May 1965. 100 V59M

VERMONT farm and home science 9(1), 20 p. Summer 1966. 100 V593

Virginia Agricultural Experiment Station, Blacksburg

BISHOP, C., DAVIS, B., and HARPER, L. J. Relationships of certain factors to homemakers' knowledge about vitamin C, with special emphasis on the influence of informative television programs and pamphlets. Va. Agr. Exp. Sta. Bull. 572, 39 p. Aug. 1966. 100 V81S

MATTUS, G. E. Apple firmness tests with the mechanical thumb. Va. Agr. Exp. Sta. Res. Rep. 108, 12 p. Ref. Apr. 1966. 100 V81R

HALLOCK, D. L., BROWN, R. H., and BLASER, R. E. Response of Coastal and Midland bermudagrass and Ky. 31 fescue to nitrogen in southeastern Virginia. Va. Agr. Exp. Sta. Res. Rep. 112, 20 p. Ref. July 1966. 100 V81R

MAYS, D. A., PETERSON, J. R., and BRYANT, H. T. A clipping management study of two sudangrass-sorghum hybrids, sudangrass, and Gahi millet for forage production. Va. Agr. Exp. Sta. Res. Rep. 113, 12 p. July 1966. 100 V81R

Washington Agricultural Experiment Station, Pullman

MICHALSON, E. L., and NOTEBOOM, I. A. Resource requirements, costs, and expected returns for alternative crop and livestock enterprises, Palouse wheat-pea area. Wash. Agr. Exp. Sta. Bull. 671, 38 p. Sept. 1966. 100 W27E

U. S. Department of Agriculture, cooperating.

BROOKS, B. L. Hedging wheat as a marketing alternative for Washington country elevators. Wash. Agr. Exp. Sta. Bull. 673, 15 p. Ref. Aug. 1966. 100 W27E

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. 1966 research progress. Wash. Agr. Exp. Sta. Circ. 461, 61 p. 1966. 100 W27S

CAIRNS, L. E., BUTCHER, W. R., and PETERSON, A. W. Conboy National Wildlife Refuge: estimate of probable effects on the Glenwood Community. Wash. Agr. Exp. Sta. Circ. 466, 20 p., map. Aug. 1966. 100 W27S

CRANDALL, P. C., CLORE, W. J., and NILAN, R. A. Dr. X and Sparkle, new Chrysanthemums for Washington. Wash. Agr. Exp. Sta. Circ. 467, 3 p. Sept. 1966. 100 W27S

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Program of the Irrigated Agriculture Research and Extension Center, Prosser, Washington, 1965. Prosser, 1965. 19 p. 100 W274

Washington State University, College of Agriculture; U. S. Department of Agriculture; and Washington State Department of Agriculture, cooperating.

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Program of the Irrigated Agriculture Research and Extension Center, Prosser, Washington, 1966. Prosser, 1966. 12 p. 100 W274

Washington State University, College of Agriculture; U. S. Department of Agriculture; and Washington State Department of Agriculture, cooperating.

West Virginia Agricultural Experiment Station, Morgantown

SIZER, L. M., and CLIFFORD, W. B. Rural industrialization: a case study in educational values and attitudes. W. Va. Agr. Exp. Sta. Bull. 521, 48 p. Mar. 1966. 100 W52

WILSON, H. A., MILLER, T., and THOMAS, R. Some microbiological, chemical, and physical investigations of farm ponds. W. Va. Agr. Exp. Sta. Bull. 522T, 17 p. Ref. Apr. 1966. 100 W52

HYRE, H. M., and MCCLUNG, M. R. Criss-cross breeding of poultry. W. Va. Agr. Exp. Sta. Bull. 526T, 11 p. June 1966. 100 W52

Wisconsin Agricultural Experiment Station, Madison

WECKEL, K. G., and WOSJE, D. Brine salting of Great Lakes chub (*Leucichthys hoyi*) for smoking. Wis. Agr. Exp. Sta. Res. Rep. 24, 12 p. Ref. July 1966. 100 W75R

LEUTHOLD, R. M., and BAWDEN, D. L. An annotated bibliography of spatial studies. Wis. Agr. Exp. Sta. Res. Rep. 25, 30 p. Aug. 1966. 100 W75R

Wyoming Agricultural Experiment Station, Laramie

SMITH, W. L. Wyo 1966, a new pinto bean. Wyo. Agr. Exp. Sta. Bull. 433, 4 p. Dec. 1965. 100 W99

PORTER, C. L. A flora of Wyoming. IV. Wyo. Agr. Exp. Sta. Bull. 434, 88 p. Nov. 1965. 100 W99

STEVENS, D. M. Farm custom rates paid in Wyoming in 1965. Wyo. Agr. Exp. Sta. Bull. 438, 11 p. Jan. 1966. 100 W99

KOLP, B. J. Spring oat varieties for Wyoming, 1966-1967. Wyo. Agr. Exp. Sta. Bull. 439, 14 p. Feb. 1966. 100 W99

KOLP, B. J. Spring wheat varieties for Wyoming, 1966-1967. Wyo. Agr. Exp. Sta. Bull. 440, 14 p. Feb. 1966. 100 W99

ALLEY, H. P., and others. Wyoming weed control guide, 1966. Wyo. Agr. Exp. Sta. Bull. 442, 27 p. Mar. 1966. 100 W99
G. A. Lee, F. L. Timmons, E. B. Hollingsworth, and A. F. Gale, joint authors.

WYOMING. AGRICULTURAL EXPERIMENT STATION. Insect conditions, Wyoming summary, 1965. Wyo. Agr. Exp. Sta. Bull. 443, 15 p. Feb. 1966. 100 W99

RIEDL, W. A. Wyoming potato variety and seedling performance trials, 1965. Wyo. Agr. Exp. Sta. Bull. 450, 5 p. Feb. 1966. 100 W99

HOUGH, H., and others. Summary of 1965 fertilizer studies in Wyoming. Wyo. Agr. Exp. Sta. Bull. 454, 18 p. June 1966. 100 W99
L. I. Painter, P. Singleton, W. Seamands, J. Partridge, C. Moine, and G. Robbins, joint authors.

STEVENS, D. M., AGEE, D. E., and HOUSE, V. W. Sugar beet production costs and practices for Wyoming. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 206, 23 p. Jan. 1965. 100 W99M

PAULES, L. H., and others. Feeding corn silage to breeding ewes. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 208, 11 p. Feb. 1965. 100 W99M

C. J. Kercher, L. J. Bourret, and T. L. Birch, joint authors.

WYOMING. AGRICULTURAL EXPERIMENT STATION. The Savery-Pothook Reclamation Project; detailed report and farm and ranch budgets. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 209, 86 p., map. Apr. 1965. 100 W99M

WYOMING. AGRICULTURAL EXPERIMENT STATION. Wyoming agriculture; economic statistics of Wyoming's agricultural industry. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 211, 84 p., map. Mar. 1965. 100 W99M

JOHNSTON, A. Standards for preparing and marketing grease wool for wool growers and wool pools. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 212, 7 p. June 1965. 100 W99M

ST. CLAIR, J. S. Truck size and weight laws as barriers to the interstate movement of livestock. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 213, 14 p. Ref. June 1965. 100 W99M

GALE, A., BARNES, O. K., and ALLEY, H. P. Effects of methods of summer fallowing on winter wheat yields. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 214, 6 p. Dec. 1965. 100 W99M

CLARK, R., and VANVIG, A. Wyoming farm and ranch land prices. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 215, 18 p., map. Sept. 1965. 100 W99M

RAUZI, F., LANG, R. L., and BECKER, C. F. Interseeding Russian wildrye, a progress report. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 216, 7 p. Nov. 1965. 100 W99M
U. S. Department of Agriculture, cooperating.

REGIONAL PUBLICATIONS

Southern Cooperative Series

METCALF, V. A. Assembling, storing and ginning cotton in the Mississippi Delta. Mo. Agr. Exp. Sta. Res. Bull. 878, 67 p. Ref. Jan. 1965. 100 M693

Agricultural Experiment Stations of Arizona, Arkansas, Georgia, Louisiana, Mississippi, Missouri, New Mexico, Tennessee, and Texas, cooperating.
Also Southern Cooperative Series Bulletin No. 99.

GOODWIN, J. D. Optimum distribution patterns of feeder cattle from the Southeast. Southern Coop. Ser. Bull. 101, 75 p., map. Ref. Oct. 1965. 100 G298

Agricultural Experiment Stations of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Tennessee, Virginia, West Virginia, and Puerto Rico; U. S. Department of Agriculture, and Tennessee Valley Authority, cooperating.

PURCELL, J. C., ROHDY, D. D., and FISHEL, W. L. Analysis of prices of hogs in the Southeast. Southern. Coop. Ser. Bull. 103, 43 p., map. Apr. 1965. 100 G298

Agricultural Experiment Stations of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Virginia, West Virginia, and Puerto Rico; and U. S. Department of Agriculture, cooperating.

CARLEY, D. H., and PURCELL, J. C. Patterns of fluid milk distribution in the Southeast, 1959 and projected 1975. Southern Coop. Ser. Bull. 105, 71 p., map. June 1965. 100 G298
Agricultural Experiment Stations of Alabama, Florida, Georgia, North Carolina, South Carolina, and Tennessee, cooperating.

MOON, S. G., and MCCANN, G. C. Subregional variability of adjustment factors of rural families in the South. Southern Coop. Ser. Bull. 111, 45 p., map. Ref. Jan. 1966. 100 G298
Agricultural Experiment Stations of Alabama, Florida, Kentucky, Louisiana, Mississippi, North Carolina, Tennessee, and Texas; and U. S. Department of Agriculture, cooperating.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Service are usually available from the issuing extension service, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

ARIZONA University, Agricultural Extension Service, Tucson

- LARSEN, W. E., and CANNON, M. D. Planting cotton to a stand. Ariz. Univ. Ext. Bull. A-46, 11 p. Jan. 1966. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- DENNIS, R. E., and RUBIS, D. D. Safflower production in Arizona. Ariz. Univ. Ext. Bull. A-47, 24 p., map. Jan. 1966. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- TATE, H. F., and FOLKNER, J. S. Turf on large recreation and play areas. Ariz. Univ. Ext. Bull. A-48, 11 p. Apr. 1966. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- GIBBS, J. C. Nutritious holiday meals. Ariz. Univ. Ext. Circ. 266, 32 p. July 1966. 275.29 Ar42
- GARRETT, L. A cook's almanac for altitude problems. Ariz. Univ. Ext. Circ. 290, 18 p. Ref. Mar. 1966. 275.29 Ar42
- ALLEN, A., and TATE, H. F. Strawberries in Arizona gardens. Ariz. Univ. Ext. Folder 108, 15 p. Jan. 1965. 275.29 Ar42Ext
- HALDERMAN, A. D. Sugar beets: irrigation. Ariz. Univ. Ext. Folder 113, 6 p.-folder. Jan. 1966. 275.29 Ar42Ext
- MOORE, L. Sugar beets: insects. Ariz. Univ. Ext. Folder 114, 8 p.-folder. Feb. 1966. 275.29 Ar42Ext
- MACHADO, M. M. Sugar beets: mechanization. Ariz. Univ. Ext. Folder 115, 8 p.-folder. Jan. 1966. 275.29 Ar42Ext
- ARIZONA UNIVERSITY, AGRICULTURAL EXTENSION SERV. Comida para substancia. Food for fitness. Ariz. Univ. Ext. Folder 118, 8 p.-folder. Feb. 1966. 275.29 Ar42Ext
- ARIZONA UNIVERSITY, AGRICULTURAL EXTENSION SERV. Home economics extension in Arizona. Ariz. Univ. Ext. Folder 122, 6 p.-folder. Mar. 1966. 275.29 Ar42Ext
- ARIZONA UNIVERSITY, AGRICULTURAL EXTENSION SERV. Kids are busy bodies: protect them from pesticides. Ariz. Univ. Ext. Folder 124, 4 p. Apr. 1966. 275.29 Ar42Ext

DELAWARE University, Agricultural Extension Service, Newark

- CROSSWHITE, W. M., and VAUGHN, G. F. Suburban development in Metropolitan northern Delaware. Del. Univ. Ext. Coop. Bull. 3, 26 p., map. June 1966. 275.29 D37Co
- GORDY, J. F., and others. The first 25 years at the University of Delaware Georgetown Substation. Del. Univ. Ext. Coop. Bull. 4, 8 p. Aug. 1966. 275.29 D37Co
- W. T. McAllister, E. M. Rahn, and J. L. Webb, joint authors.

IDAHO University, College of Agriculture, Extension Service, Moscow

- ROYLANCE, H., and KOLAR, J. J. Alfalfa varieties for Idaho. Idaho. Agr. Coll. Ext. Bull. 459, 6 p.-folder. Aug. 1966. 100 Id14

- PORTMAN, R. W. Pesticide log. Idaho. Agr. Coll. Ext. Bull. 463, 6 p.-folder. July 1966. 100 Id14
- HORN, A. S., and others. Idaho lawns. Idaho. Agr. Coll. Ext. Bull. 464, 12 p. Aug. 1966. 100 Id14
- A. Slinkard, R. Higgins, R. Portman, and L. Erickson, joint authors.
- TANKERLEY, H. Idaho presents civil defense training and educational opportunities for Idaho citizens. Idaho. Agr. Coll. Ext. Bull. 468, 8 p. July 1966. 100 Id14
- MODEN, W. L., and others. Control of alfalfa weevil with a "sprayrower." Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 33, 2 p. July 1966. 275.29 Id13dc
- L. E. O'Keeffe, C. L. Peterson, and R. W. Portman, joint authors.
- FRANK, F. W., WALDHAM, D. G., and MEINERSHAGEN, W. A. Stop vibrio in sheep. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 35, 2 p. Sept. 1966. 275.29 Id13dc

ILLINOIS University, Cooperative Extension Service in Agriculture and Home Economics, Urbana

- NELSON, W. R., and PORTER, J. A. New life for your business district. Ill. Univ. Ext. Circ. 937, 26 p. June 1966. 275.29 IL62C
- NELSON, W. R., and PORTER, J. A. Planning for a better church landscape. Ill. Univ. Ext. Circ. 938, 18 p. June 1966. 275.29 IL62C
- NELSON, W. R., and PORTER, J. A. Planning for a better hospital landscape. Ill. Univ. Ext. Circ. 939, 15 p. June 1966. 275.29 IL62C
- JAYCOX, E. R. Pesticides and honey bees. Ill. Univ. Ext. Circ. 940, 6 p.-folder. Aug. 1966. 275.29 IL62C
- MUELLER, A. G., WILKEN, D. F., and KESLER, R. P. 41st annual summary of Illinois farm business records, 1965; commercial farms: production, costs, income, investments. Ill. Univ. Ext. Circ. 941, 24 p., map. Aug. 1966. 275.29 IL62C

INDIANA - Purdue University, Department of Agricul- tural Extension, Lafayette

- JUDGE, M. D., and WALLENTINE, M. V. Beef carcass evaluation. Purdue Univ. Ext. Circ. 522, 8 p. Nov. 1965. 275.29 In2E
- FARMER, B. M. Sew what's new. Purdue Univ. Ext. Circ. 534, 11 p. Ref. Jan. 1965. 275.29 In2E
- PURDUE UNIVERSITY, DEPT. OF AGRICULTURAL EXTENSION. The role of the Conservancy District in small watershed projects; establishment, operation, responsibilities. Purdue Univ. Ext. Circ. 535, 20 p. Mar. 1965. 275.29 In2E
- Indiana Flood Control and Water Resources Commission, cooperating.
- ULLSTRUP, A. J. Maize dwarf mosaic, Indiana's newest corn disease. Purdue Univ. Ext. Circ. 536, 4 p., map. May 1965. 275.29 In2E
- SISSON, D. R. A summary of Indiana drainage laws. Purdue Univ. Ext. Circ. 538, 16 p. Sept. 1965. 275.29 In2E
- PURDUE UNIVERSITY, DEPT. OF AGRICULTURAL EXTENSION. How to control mint insects. Purdue Univ. Ext. Mimeo E-78, 2 p. May 1965. 423.9 In22
- HOLLANDBECK, R. Pigs to pork, sanitation: swine sanitation. Purdue U. Ind. Agr. Ext. Mimeo AS-324, 7 p. Feb. 1965. 49.9 In23
- HEIDENREICH, C. J. Pigs to pork, management: environmental influences on swine production—principles. Purdue U. Ind. Agr. Ext. Mimeo AS-325, 7 p. Jan. 1965. 49.9 In23
- FOSTER, J. R. Pigs to pork, nutrition: balancing swine rations. Purdue U. Ind. Agr. Ext. Mimeo AS-326, 11 p. Jan. 1965. 49.9 In23

WILSON, L. L., and others. Development of the beef cattle industry. Purdue U. Ind. Agr. Ext. Mimeo AS-327,3 p. Mar. 1965. 49.9 In23

K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.

WILSON, L. L., and others. Beef cattle improvement. Purdue U. Ind. Agr. Ext. Mimeo AS-328,3 p. Mar. 1965. 49.9 In23

K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.

OUTHOUSE, J. B., and others. Accelerated lambing program. Purdue U. Ind. Agr. Ext. Mimeo AS-329,3 p. June 1965. 49.9 In23

K. J. Drewry, H. Mayo, and M. Stob, joint authors.

PICKETT, R. A., FOSTER, J. R., and HOL-LANDBECK, R. Pigs to pork, nutrition: forages for sows. Purdue U. Ind. Agr. Ext. Mimeo AS-330,3 p. July 1965. 49.9 In23

WILSON, L. L., and others. Beef performance testing—questions and answers. Purdue U. Ind. Agr. Ext. Mimeo AS-331,4 p. July 1965. 49.9 In23

K. G. MacDonald, H. H. Mayo, and K. J. Drewry, joint authors.

MAYROSE, V. B. Pigs to pork, nutrition: wheat for swine. Purdue U. Ind. Agr. Ext. Mimeo AS-332,2 p. Sept. 1965. 49.9 In23

ZIMMERMAN, D. R. Pigs to pork, nutrition: proper use of insecticides by the swine producer. Purdue U. Ind. Agr. Ext. Mimeo AS-333,2 p. Sept. 1965. 49.9 In23

HOLLANDBECK, R. Pigs to pork, nutrition: forage utilization guidelines for hogs. Purdue U. Ind. Agr. Ext. Mimeo AS-334,3 p. Oct. 1965. 49.9 In23

MACDONALD, K. G. Forage utilization guidelines for beef cattle. Purdue U. Ind. Agr. Ext. Mimeo AS-335,7 p. Nov. 1965. 49.9 In23

MAYROSE, V. B., and FOSTER, J. R. Pigs to pork, nutrition: protein for swine. Purdue U. Ind. Agr. Ext. Mimeo AS-337,4 p. Jan. 1966. 49.9 In23

WILSON, L. L., and GARRIGUS, R. R. What are production records worth? Purdue U. Ind. Agr. Ext. Mimeo AS-338,3 p. Feb. 1966. 49.9 In23

WHEATON, H. N., and WILSON, L. L. Managing tall fescue for the beef cow herd. Purdue U. Ind. Agr. Ext. Mimeo AS-339,4 p. Feb. 1966. 49.9 In23

WILSON, L. L. Improving calving percent in beef herds. Purdue U. Ind. Agr. Ext. Mimeo AS-340,5 p. Mar. 1966. 49.9 In23

WILSON, L. L., MACDONALD, K. G., and MAYO, H. H. Management and nutrition of new feeder cattle. Purdue U. Ind. Agr. Ext. Mimeo AS-341,7 p. Mar. 1966. 49.9 In23

SCHNEIDAU, R. E. Opportunities for frozen food locker operators. Purdue Univ. Ind. Agr. Ext. Mimeo EC-296,10 p. Ref. Feb. 1965. 100 In2Ag

BEACH, B., and WADSWORTH, H. A. Questions answers; developing county recreational facilities. Purdue Univ. Ind. Agr. Ext. Mimeo EC-298,6 p.-folder, map. Apr. 1965. 100 In2Ag

HADLEY, N. S., and others. Management hints for tornado victims. Purdue Univ. Ind. Agr. Ext. Mimeo EC-299,8 p. Apr. 1965. 100 In2Ag

P. R. Robbins, B. F. Jones, R. N. Weigle, R. H. Bauman, and C. A. Sargent, joint authors. ARMSTRONG, J. H., MITCHELL, M. P., and JONES, B. F. The future of the beef industry in Indiana. Purdue Univ. Ind. Agr. Ext. Mimeo EC-300,13 p. Feb. 1966. 100 In2Ag

SARGENT, C. A. Managing the part-time farm. Purdue Univ. Ind. Agr. Ext. Mimeo EC-301,20 p. Mar. 1966. 100 In2Ag

DALE, A. C., MORRIS, W. H. M., and AL-BRIGHT, J. L. Liquid manure handling for the dairy operation. Purdue U. Ind. Agr. Ext. Mimeo ID-67,6 p. July 1965. 275.29 In2Id

IOWA State University of Science and Technology,
Cooperative Extension Service, Ames

EPSTEIN, A. H. Preventing root graft transmission of Dutch elm disease. Iowa, State Univ. Ext. Pam. 323,2 p. Apr. 1966. 275.29 I09Pa

KENTUCKY University, Agricultural Extension Service,
Lexington

HERRON, J. W. Common lawn weeds. Ky. Univ. Ext. Circ. 557-A,39 p. June 1966. 275.29 K415

SEBREE, K. 4-H's furnish and beautify outdoor living areas. Ky. Univ. Ext. 4-H 1095, 6 p. July 1966. 275.29 K415Fh

KENTUCKY UNIVERSITY, AGRICULTURAL EXTENSION SERV. Kentucky forest utilization survey. No. 16. n.p., 1965. 4 p., map. 99.9 K412

Prepared semi-annually by Forestry Department, University of Kentucky, in cooperation with the Kentucky State Division of Forestry.

MARYLAND University, Cooperative Extension Service,
College Park

CAIN, J. L. Wholesale seafood marketing in Baltimore, Maryland. Md. Univ. Ext. Agr. Econ. Inform. Ser. 32,13 p., map. June 1966. 275.29 M36Agr

MASSACHUSETTS University, Agricultural Extension
Service, Amherst

BROUILLETTE, L. P., and FITZGERALD, G. A. Procurement of foods by grocers. II. Design of a self-dressing display rack. Mass. Univ. Ext. Publ. 428-A,28 p. Ref. Apr. 4, 1965. 275.29 M381L

Published jointly with Massachusetts Agricultural Experiment Station.

FITZGERALD, G. A. Procurement of foods by grocers. III. Total unitization in food distribution. Mass. Univ. Ext. Publ. 428-B,22 p. July 1965. 275.29 M381L

MINNESOTA University, Agricultural Extension Service,
St. Paul

HAMRE, M., and MIKESH, V. Know the eggs you buy. Minn. Univ. Ext. Ext. Folder 174, rev., 6 p. May 1966. 275.29 M66Ex

WILLSON, R. A., and SMITH, F. J. Managing the farm supply business—ten areas. Minn. Univ. Ext. Spec. Rep. 16,128 p. Ref. Sept. 1965. 275.29 M66Sb

MISSISSIPPI State University of Applied Arts and
Sciences, Agricultural Extension Service, State College

HINES, C., and others. Pecan insect and disease control in commercial orchards. Miss. State Univ. Ext. Publ. 461, rev., 11 p. Mar. 1966. 275.29 M68Ext

A. G. Bennett, D. F. Young, and W. F. Moore, joint authors.

WISE, E. M., PURDIE, M., and RICHMOND, W. L. Make mine pork please! Miss. State Univ. Ext. Publ. 515,8 p.-folder. Dec. 1965. 275.29 M68Ext

BRYSON, C. P., and others. Harvest all you grow—increase profits: pick dry cotton. Miss. State Univ. Ext. Publ. 524,6 p.-folder. July 1965. 275.29 M68Ext

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

TAYLOR, G. T., and CRAIN, G. B. Senior 4-H dairy production. Miss. State Univ. Ext. Publ. 530,20 p. Aug. 1965. 275.29 M68Ext

BROWN, J. C., and FOUNTAIN, S. Live with color! Miss. State Univ. Ext. Publ. 538,16 p. June 1965. 275.29 M68Ext

SARTOR, J. Your future in the Cooperative Extension Service. Miss. State Univ. Ext. Publ. 541,6 p.-folder. Aug. 1965. 275.29 M68Ext

BRYSON, C. P., and others. Harvest all you grow—increase profits. What are your losses? Miss. State Univ. Ext. Publ. 542,5 p.-folder. July 1965. 275.29 M68Ext

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council. BRYSON, C. P., and others. Harvest all you grow—increase profits: repair, adjust, and operate picker for high efficiency. Miss. State Univ. Ext. Publ. 543,8 p.-folder. July 1965. 275.29 M68Ext

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

BURGESS, C., BAKER, G., and FORTENBERY, F. Choosing and using your automatic clothes dryer. Miss. State Univ. Ext. Publ. 544,6 p. Aug. 1965. 275.29 M68Ext

RUSHING, A. O. Good food buymanship. Miss. State Univ. Ext. Publ. 548,6 p.-folder. Jan. 1966. 275.29 M68Ext

MOORE, M. V., and others. Speak up! In the 4-H club public speaking program. Miss. State Univ. Ext. Publ. 549,8 p. Dec. 1965. 275.29 M68Ext

A. Barr, H. Logue, and A. J. Brown, joint authors.

CRAIN, G. B. Mastitis handbook on the farm; mastitis prevention and control. Miss. State Univ. Ext. Publ. 550,16 p. Dec. 1965. 275.29 M68Ext

MISSISSIPPI STATE UNIVERSITY OF APPLIED ARTS AND SCIENCES, AGRICULTURAL EXTENSION SERV. A little inside dope on consumer's credit guide. Miss. State Univ. Ext. Publ. 552,2 p. Apr. 1966. 275.29 M68Ext

WATSON, J. H. Plant and weed identification. Miss. State Univ. Ext. Publ. 553,4 p. Feb. 1966. 275.29 M68Ext

YOUNG, D. F., and others. Protect truck crops from insects. Miss. State Univ. Ext. Publ. 554,28 p. Mar. 1966. 275.29 M68Ext

H. B. Green, W. O. Thomas, and A. G. Bennett, joint authors.

RICHMOND, W. L. A golden opportunity with swine. Miss. State Univ. Ext. Publ. 556,6 p.-folder. Mar. 1966. 275.29 M68Ext

MCLAUGHLIN, A. L. Own or custom harvest? Miss. State Univ. Ext. Publ. 558,6 p.-folder. Mar. 1966. 275.29 M68Ext

NEBRASKA University, College of Agriculture and Home Economics, Extension Service, Lincoln

COLE, R. H. The Food and Agriculture Act of 1965. Nebr. Univ. Ext. CC 198,6 p. 1966. 275.29 N272Cc

NEW MEXICO State University, Agricultural Extension Service, University Park

COPPOCK, S. Insecticide use chart for poultrymen; prevent residues in eggs and poultry products. N. Mex. State Univ. Ext. Circ. 379, 2 p. Apr. 1965. 275.29 N463E

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

LIEBERMAN, A. S. Container culture of ornamental plants for the home grounds. Cornell Univ. Ext. Cornell Ext. Bull. 1152,15 p. June 1966. 275.29 N48E

KINGSBURY, J. M. Poison ivy [Toxicodendron radicans], poison sumac [Toxicodendron vernix], and other rash-producing plants. Cornell Univ. Ext. Cornell Ext. Bull. 1154,16 p. July 1966. 275.29 N48E

MORROW, R. R., HAMILTON, L. S., and WINCH, F. E. Planting forest trees in rural New York. Cornell Univ. Ext. Cornell Ext. Bull. 1161,rev.,31 p. June 1966. 275.29 N48E

MCFADDEN, F., and MCLEAN, J. Facts about underfashions. Cornell Univ. Ext. Cornell Ext. Bull. 1164,16 p. June 1966. 275.29 N48E

MACKLIN, E. Striving for independence. Cornell Univ. Ext. Cornell Ext. Bull. 1165,19 p. Ref. Aug. 1966. 275.29 N48E

SHELDRAKE, R. Planning, constructing, and operating plastic covered greenhouses. Cornell Univ. Ext. Cornell Misc. Bull. 72,15 p. June 1966. 275.29 N48Cm

NORTH CAROLINA University, Extension Service, State College Station, Raleigh

HAWKS, S. N., and MCCANTS, C. B. Guides for fertilizing flue-cured tobacco. N. C. Univ. Ext. Ext. Folder 212,rev.,8 p. May 1966. 275.29 N811Ex

BEHLOW, R. F., NICOLAI, J. H., and ULBERG, L. C. Timing pays off. N. C. Univ. Ext. Ext. Folder 250,4 p. June 1966. 275.29 N811Ex

NORTH DAKOTA State University of Agriculture and Applied Science, Agricultural Extension Service, State University Station, Fargo

ZAYLSKIE, J., and HOAG, D. G. Pruning trees and shrubs for other than fruit production. N. Dak. State Univ. Ext. Circ. A-463,6 p.-folder. Jan. 1965. 275.29 N812Sa

MORK, I. J. Brooding and rearing of ducklings and goslings. N. Dak. State Univ. Ext. Circ. A-467,3 p. Feb. 1965. 275.29 N812Sa

BISSONNETTE, H. Plant disease control in the home garden. N. Dak. State Univ. Ext. Circ. A-469,2 p. May 1965. 275.29 N812Sa

BISSONNETTE, H. Spray or dust in the home garden. N. Dak. State Univ. Ext. Circ. A-470, 2 p. May 1965. 275.29 N812Sa

STEVENS, O. A., and MITCHELL, L. W. Plants which may be poisonous. N. Dak. State Univ. Ext. Circ. A-471,4 p. May 1965. 275.29 N812Sa

COLBERG, W. J., and MCBRIDE, D. K. Controlling mosquitoes. N. Dak. State Univ. Ext. Circ. A-472,6 p.-folder. June 1965. 275.29 N812Sa

NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, AGRICULTURAL EXTENSION SERV. School drop-outs are dead ducks. N. Dak. State Univ. Ext. Circ. A-473,6 p.-folder. July 1965. 275.29 N812Sa

BISSONNETTE, H. L. Verticillium wilt in potatoes. N. Dak. State Univ. Ext. Circ. A-474, 2 p. Aug. 1965. 275.29 N812Sa

BISSONNETTE, H. L. Black-knot of plums and cherries. N. Dak. State Univ. Ext. Circ. A-475, 2 p. Aug. 1965. 275.29 N812Sa

FLAGG, D. E., and SPANGLER, G. W. Market cattle testing. N. Dak. State Univ. Ext. Circ. A-476,2 p. Sept. 1966. 275.29 N812Sa

OWENS, W., and VANGNESS, E. North Dakota retail sales summary. N. Dak. State Univ. Ext. Circ. A-477,4 p.-map. Sept. 1965. 275.29 N812Sa

DIETRICH, I. T. Grasses for wet sites. N. Dak. State Univ. Ext. Circ. A-478,2 p. Nov. 1965. 275.29 N812Sa

DIETRICH, I. T. What rainfall records tell. N. Dak. State Univ. Ext. Circ. A-479,4 p. Dec. 1965. 275.29 N812Sa

JENSEN, L. A., and HAGEN, I. The value of damaged kernels for seed. N. Dak. State Univ. Ext. Circ. A-480,4 p. Jan. 1966. 275.29 N812Sa

BISSONNETTE, H. L. Plant disease control; house plant troubles. N. Dak. State Univ. Ext. Circ. A-481,4 p. Jan. 1966. 275.29 N812Sa

DOROW, N. A. Farm bargaining power; potentials and limitations. N. Dak. State Univ. Ext. Circ. A-483,4 p. Jan. 1966. 275.29 N812Sa

BISSONNETTE, H. L. Barley stripe disease. N. Dak. State Univ. Ext. Circ. A-484,2 p. Feb. 1966. 275.29 N812Sa

- BISSONNETTE, H. L., and PEPPER, E. H. Ergot of cereals and grasses. N. Dak. State Univ. Ext. Circ. A-485, 2 p. Feb. 1966. 275.29 N812Sa
- DIDIER, I. M. S-t-r-e-t-c-h fabrics. N. Dak. State Univ. Ext. Circ. A-486, 2 p. Feb. 1966. 275.29 N812Sa
- ZAYLSKIE, J. J. Treat fence posts for longer life. N. Dak. State Univ. Ext. Circ. A-487, 4 p. Feb. 1966. 275.29 N812Sa
- WILLIAMSON, J. Permanent press. N. Dak. State Univ. Ext. Circ. A-488, 4 p. Mar. 1966. 275.29 N812Sa
- BURGER, A. A. Rope and its uses. N. Dak. State Univ. Ext. Circ. A-489, 13 p. Mar. 1966. 275.29 N812Sa
- BURKE, J. W. Personal protective equipment on the farm. N. Dak. State Univ. Ext. Circ. A-490, 2 p. Mar. 1966. 275.29 N812Sa
- ZAYLSKIE, J. J. Trees for livestock protection. N. Dak. State Univ. Ext. Circ. A-491, 2 p. Apr. 1966. 275.29 N812Sa
- WILLIAMSON, J. All about plaids. N. Dak. State Univ. Ext. Circ. A-492, 6 p. May 1966. 275.29 N812Sa
- MCBRIDE, D. K., and COLBERG, W. J. Aphid control in small grain. N. Dak. State Univ. Ext. Circ. A-493, 2 p. Apr. 1966. 275.29 N812Sa

OHIO State University, Cooperative Extension Service, Columbus

- DENEKE, L. Care of metals and kitchenware; handbook for young homemakers. Ohio. State Univ. Ext. Bull. 390, 8 p. June 1966. 275.29 Oh32
- WARNER, J. H. Beef cow herds. Ohio. State Univ. Ext. Bull. 475, 35 p. June 1966. 275.29 Oh32
- BONE, S. W., and others. Productivity guide for Ohio soils. Ohio. State Univ. Ext. Bull. 476, 12 p., map. June 1966. 275.29 Oh32
- G. E. Bernath, G. K. Dotson, H. J. Mederski, and R. L. Meeker, joint authors.

OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

- CLARK, L., and BURGESS, C. Choosing and using your food freezer. Okla. State Univ. Ext. Circ. E-778, 12 p. Apr. 1966. 275.29 Ok41C

OREGON State University, Federal Cooperative Extension Service, Corvallis

- MACSWAN, C., and EVERY, R. W. Spray schedule for home orchards. Oreg. State Univ. Ext. Circ. 631, rev., 6 p., folder. June 1966. 275.29 Or32C
- OREGON, STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. Using canned chopped meat. Oreg. State Univ. Ext. FS 4, rev., 2 p. June 1966. 275.29 Or36
- EWALT, H. P., PETERSON, K. J., and ADAMS, F. W. Nitrates in cattle feeding. Oreg. State Univ. Ext. FS 108, 2 p. July 1966. 275.29 Or36

PENNSYLVANIA State University, Colleges of Agriculture and Home Economics, Extension Service, University Park

- STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources: shrews. Penn. State Univ. Ext. Leaf. 289, 2 p. May 1965. 275.29 P38L

PUERTO RICO University, Extension Service, Rio Piedras

- SOLAR, M. A. Nutritional deficiencies in poultry. (Sp) Puerto Rico. Univ. Ext. CE-41, 8 p. Aug. 1965. 275.29 P96C1

- PUERTO RICO, UNIVERSITY, EXTENSION SERV. History of artificial insemination in Puerto Rico. (Sp) Puerto Rico. Univ. Ext. Circ. 64, 21 p. Sept. 1965. 279.29 P96C1r
- GAZTAMBIDE ARRILLAGA, C. History of the importation of dairy bulls by the Agricultural Extension Service. (Sp) Puerto Rico. Univ. Ext. Circ. 65, 13 p., map. Oct. 1965. 275.29 P96C1r
- MIRANDA SIRAGUSA, F. Deficiency symptoms in the sweetpotato. (Sp) Puerto Rico. Univ. Ext. Folleto A-41, 6 p. Mar. 1965. 275.29 P96A
- MIRANDA SIRAGUSA, F. Deficiency symptoms in the hawthorn. (Sp) Puerto Rico. Univ. Ext. Folleto A-43, 6 p. Feb. 1965. 275.29 P96A
- BERRIOS, A. T. Instructions for evaluating soils in Puerto Rico. (Sp) Puerto Rico. Univ. Ext. Folleto A-44, 14 p. Sept. 1965. 275.29 P96A
- BERRIOS, A. T. Soil and water conservation districts of Puerto Rico. (Sp) Puerto Rico. Univ. Ext. Folleto A-55, 6 p., folder. Jan. 1966. 275.29 P96A

RHODE ISLAND University, Extension Service in Agriculture and Home Economics, Kingston

- RHODE ISLAND, UNIVERSITY, EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. How do you buy milk? R. I. Univ. Ext. Mimeogr. Circ. 156, 6 p., folder. 1965. 275.29 R34M

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

- STEWART, T. C. Barbecuing chicken. Clemson Univ. Ext. Circ. 466, rev., 12 p. May 1966. 275.29 So8E
- NETTLES, W. C., and KISSAM, J. B. Control of houseflies in farm buildings. Clemson Univ. Ext. Inform. Card, 94, rev., 8 p., folder. Apr. 1966. 275.29 So8I
- NETTLES, W. C., and KISSAM, J. B. Insecticide use chart for egg and poultry producers. Clemson Univ. Ext. Inform. Card 108, rev., 2 p. May 1966. 275.29 So8I

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

- SOUTH DAKOTA, STATE UNIVERSITY, COOPERATIVE EXTENSION SERV. Insecticide use chart for South Dakota poultrymen. S. Dak. State Univ. Ext. FS 315, 2 p. June 1966. 275.29 So85Fs
- ADAMS, E. P., and LANGIN, E. J. Fertilizing pasture and hayland. S. Dak. State Univ. Ext. FS 316, 4 p. July 1966. 275.29 So85Fs
- ANDERSON, A. W., and KORTAN, L. J. Buying feeder pigs? An economic and management guide. S. Dak. State Univ. Ext. FS 317, 4 p. July 1966. 275.29 So85Fs

TENNESSEE University, Agricultural Extension Service, Knoxville

- TYRRELL, W. P. Tennessee beef cattle calendar. Tenn. Univ. Ext. Publ. 544, 16 p. June 1966. 275.29 T25
- PENTECOST, B. H. The total management framework for agri-business firms. Tenn. Univ. Ext. Publ. 545, 7 p. July 1966. 275.29 T25
- TURNER, G. W. Ten years of progress in Beech River agriculture. Tenn. Univ. Ext. SP 157, 16 p., map. May 1966. 275.29 T25Sp
- Tennessee Valley Authority, cooperating.
- TURNER, G. W. Agricultural progress along the Elk [River Valley]. Tenn. Univ. Ext. SP 158, 8 p., folder, map. June 1966. 275.29 T25Sp
- Tennessee Valley Authority, cooperating.

TENNESSEE UNIVERSITY, AGRICULTURAL EXTENSION SERV. Tennessee's Unit-It Demonstration Program: what it is, what it is doing. Tenn. Univ. Ext. SP 159, 6 p.-folder. June 1966. 275.29 T25sp
Tennessee Valley Authority, cooperating.

UTAH State University, Agricultural Extension Service, Logan

KNOWLTON, G. F., and ROBERTS, R. S. Names of pesticides. Utah. State Univ. Ext. Entomol. Mimeo Ser. 105, 4 p. July 1966. 275.29 UtlEn
KNOWLTON, G. F. Let's control lawn insects and related pests. Utah. State Univ. Ext. Entomol. Mimeo Ser. 106, 2 p. July 1966. 275.29 UtlEn
KNOWLTON, G. F. Grasshopper range and crop infestations, Utah, 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 107, 2 p. Sept. 1966. 275.29 UtlEn
KNOWLTON, G. F. An insect display box for 4-H entomology. Utah. State Univ. Ext. Entomol. Mimeo Ser. 108, 2 p. Sept. 1966. 275.29 UtlEn

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

VIRGINIA, POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Beef cattle corrals. Va. Polytech. Inst. Ext. Circ. 445, rev., 7 p. June 1966. 275.29 V81C
SCOTT, F. H., WATTS, A. V., and SCHALES, F. D. Sweet potatoes. Va. Polytech. Inst. Ext. Circ. 654, rev., 6 p. May 1966. 275.29 V81C
WATTS, A. V., SCOTT, F. H., and SCHALES, F. D. Green peas. Va. Polytech. Inst. Ext. Circ. 681, rev., 4 p. Apr. 1966. 275.29 V81C
SCHALES, F. D., WATTS, A. V., and SCOTT, F. H. Cucumbers, muskmelons, squash, and watermelons. Va. Polytech. Inst. Ext. Circ. 715, rev., 12 p. Apr. 1966. 275.29 V81C
WATTS, A. V., SCOTT, F. H., and SCHALES, F. D. Sweet corn. Va. Polytech. Inst. Ext. Circ. 716, rev., 4 p. Apr. 1966. 275.29 V81C
HABEL, K. L. Drapery hardware. Va. Polytech. Inst. Ext. Circ. 827, rev., 11 p. May 1966. 275.29 V81C
PAYNE, M. A. Slip covers. Va. Polytech. Inst. Ext. Circ. 833, rev., 18 p. Apr. 1966. 275.29 V81C
PATTON, S. J. 4-H share-the fun program for 4-H club members. Va. Polytech. Inst. Ext. Circ. 844, rev., 7 p. May 1966. 275.29 V81C
SCOTT, F. H., WATTS, A. V., and SCHALES, F. D. Collards, kale, spinach, and upland cress [Barbarea verna]. Va. Polytech. Inst. Ext. Circ. 851, rev., 6 p. May 1966. 275.29 V81C
VIRGINIA, POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Facts and ideas for Unit 1 members, 4-H electric project. Va. Polytech. Inst. Ext. Circ. 1018, 15 p. Apr. 1966. 275.29 V81C
SHOULDERS, J. F. Increasing your feed supply. Va. Polytech. Inst. Ext. Leaf. 9, rev., 2 p. July 1966. 275.29 V81L
SHOULDERS, J. F. Here's how to seed that pasture. Va. Polytech. Inst. Ext. Leaf. 40, rev., 1 p. June 1966. 275.29 V81L
LOOPE, K. E. Worksheet for calculating annual cash wages, value of perquisites, and earnings per hour for farm labor. Va. Polytech. Inst. Ext. Leaf. 213, 2 p. June 1966. 275.29 V81L
HINDMAN, M. S. Meats; the hub of the wheel, the center of the meal. Va. Polytech. Inst. Ext. Leaf. 220, 4 p. Apr. 1966. 275.29 V81L
HINDMAN, M. S. For good health, serve milk and milk foods daily. Va. Polytech. Inst. Ext. Leaf. 221, 4 p. Apr. 1966. 275.29 V81L
HINDMAN, M. S. You need bread in every meal. Va. Polytech. Inst. Ext. Leaf. 222, 4 p. Apr. 1966. 275.29 V81L

HINDMAN, M. S. Spark your meals with fruits and vegetables. Va. Polytech. Inst. Ext. Leaf. 223, 4 p. Apr. 1966. 275.29 V81L
VIRGINIA, POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Internal parasites of sheep. Va. Polytech. Inst. Ext. Leaf. 232, 4 p. Mar. 1966. 275.29 V81L
LYON, A. B., and MCCORMICK, L. E. Shaping Christmas trees for quality. Va. Polytech. Inst. Ext. Leaf. 286, 2 p. May 1966. 275.29 V81L
GROSECLOSE, M. Fabric labels. Va. Polytech. Inst. Ext. Leaf. 287, 4 p. June 1966. 275.29 V81L
WALN, B. A. Finishes for today's fabrics. Va. Polytech. Inst. Ext. Leaf. 288, 6 p.-folder. June 1966. 275.29 V81L
GROSECLOSE, M. Today's fabrics. Va. Polytech. Inst. Ext. Leaf. 289, 6 p.-folder. June 1966. 275.29 V81L
BARTON, J. A. Cool summer meals. Va. Polytech. Inst. Ext. Leaf. 290, 2 p. July 1966. 275.29 V81L
SCHALES, F. D. Sprout inhibitors for Irish potatoes. Va. Polytech. Inst. Ext. Leaf. 291, 2 p. July 1966. 275.29 V81L

WASHINGTON State University, Extension Service, Pullman

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. 4-H home food preservation contest—awards and requirements (Sears Roebuck Foundation sponsorship). Wash. State Univ. Ext. E. M. 902, rev., 1 p. June 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Request for Dairy Herd Improvement Association supplies. Wash. State Univ. Ext. E. M. 1306, rev., 2 p. June 3, 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is West Germany. Wash. State Univ. Ext. E. M. 2208, rev., 2 p., map. Aug. 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: U.S. dairy products. Wash. State Univ. Ext. E. M. 2415, rev., 2 p. June 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Standards for evaluating lamp(s) for study area. Wash. State Univ. Ext. E. M. 2541, rev., 1 p. June 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is Venezuela. Wash. State Univ. Ext. E. M. 2591, rev., 2 p., map. Aug. 1966. 275.29 W27M1
ROBERTS, H. L. Making a western shirt. Wash. State Univ. Ext. E. M. 2657, 5 p. June 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of alfalfa weevil larvae on alfalfa. Wash. State Univ. Ext. E. M. 2658, 3 p. June 1966. 275.29 W27M1
PATTISON, E. A., and CHASE, D. W. Study lamps and the better light better sight tag. Wash. State Univ. Ext. E. M. 2660, 3 p. July 1966. 275.29 W27M1
DORAN, S. M., and FOEPEL, W. G. Fall potatoes, estimated per acre costs and returns, Columbia Basin, Washington. Wash. State Univ. Ext. E. M. 2662, 6 p. June 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is Bechuanaland. Wash. State Univ. Ext. E. M. 2663, 2 p., map. Aug. 1966. 275.29 W27M1
WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Earning money while going to school. Wash. State Univ. Ext. E. M. 2670, 5 p. July 1966. 275.29 W27M1

WISCONSIN University, College of Agriculture, Extension
Service, Madison

BARQUEST, G., and BLACK, J. Penetrating stain for rough and weathered wool. Wis. Univ. Ext. Spec. Circ. 107,4 p. Aug.1965. 275.29 W75S

GOJMERAC, W. L. Controlling strawberry root weevil and sweet clover root weevil. Wis. Univ. Ext. Spec. Circ. 109,4 p. Sept.1965. 275.29 W75S

GOJMERAC, W. L. Controlling box-elder bugs. Wis. Univ. Ext. Spec. Circ. 110,4 p. Sept.1965. 275.29 W75S

RIECK, R. E., and others. Tooling up for swine production. Wis. Univ. Ext. Spec. Circ. 120,30 p. May 1966. 275.29 W75S

W. E. Saupe, R. G. Johnson, F. J. Giesler, R. H. Vilstrup, T. J. Brevik, C. L. Barth, R. E. Hall, and Q. E. Kolb, joint authors.

GOJMERAC, W. L. Controlling wood ticks. Wis. Univ. Ext. Spec. Circ. 121,5 p.-folder. June 1966. 275.29 W75S

JENSEN, D. V., and SWANSON, R. C. Slow moving vehicle emblem; know, use, heed, for safety with slow-moving vehicles on highways. Wis. Univ. Ext. Spec. Circ. 123,4 p. June 1966. 275.29 W75S

FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS

Includes publications received in the Library during the preceding month.

COCOA statistics 9(3),36 p. July 1966.
286.83 C64

COCOA statistics monthly supplement 6,4 p.
June 1966. 286.83 C64

COCOA statistics monthly supplement 7,3 p.
July 1966. 286.83 C64

COCONUT situation 15,52 p. May 1966.
286.83 C642

CONFERENCE ON PULP AND PAPER DEVELOPMENT IN AFRICA AND THE NEAR EAST, CAIRO, 1965. Proceedings, Volume 1. Rome, Food and Agriculture Organization of the United Nations, 1966. 454 p.,map. Ref. HD937.AIC6

CURRENT food additives legislation 94,16 p.
Apr.30,1966. 241.64 F732

FAO LIBRARY list of recent accessions,
June/July 1966,44 p. 241 F7322

FOOD and agricultural legislation 14(3),various
paging. Mar.1966. 389.59 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Index numbers of agricultural production, prices and trade statistics. Food Agr. Organ. UN. Suppl. Econ. Statist. 2,53 p. Dec.1964. HD9000.4.F6

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Trade of major non-reporting countries--supplement to the 1964 "Trade Yearbook." Food Agr. Organ. UN. Suppl. Econ. Statist. 3,34 p. Nov.1965. HD9000.4.F6

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FORESTRY AND FOREST PRODUCTS DIV. World forest products statistics; a ten-year summary, 1954-1963. Rome, 1965. 350 p. SD431.F62
Text in English, French and Spanish.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. LEGISLATION RESEARCH BR. Movement of animal semen in international trade; regulations of various countries concerning the importation, exportation, collection, preservation and use of semen, and related questions. Food Agr. Organ. UN. Anim. Health Br. Monogr. 8,147 p. 1966. 41.9 F732An

Animal Health Branch, cooperating.
FREEDOM from Hunger 7(44),32 p. Sept./Oct. 1966. 389.8 F872

GRAIN storage newsletter and abstracts 8(3): 65-123. Ref. July 1966. 280.3599 F73

LATHAM, M. Human nutrition in tropical Africa; a textbook for health workers with special reference to community health problems in East Africa. Rome, Food and Agriculture Organization of the United Nations, 1965. 268 p. Ref. TX360.A3L3

MONTHLY bulletin of agricultural economics and statistics 15(6),45 p. June 1966.

251 F73Mb

MONTHLY bulletin of agricultural economics and statistics 15(7/8),57 p.,map. Ref. July/Aug.1966. 251 F73Mb

MONTHLY legislative report 15(7/8):121-125. July/Aug.1966. 241 F7323



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No. 2

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CONTENTS

[illegible]

Forest Resources	14599	Agronomy (Field Crops)	16049	Soil Chemistry and Mineralogy	17126
Forest Influences	14615	Cereals	16068	Soil Biology	17216
Forest Injuries and Protection	14630	Fiber Crops	16148	Soil-Plant-Animal Relationships	17262
Fire	14645	Forage Crops and Grasses	16167	Soil Genesis, Formation, Classification, and Mapping	17265
Forest Management	14653	Oil Crops	16248	Soil Management	17296
Forest Description and Mensuration	14721	Sugar Crops	16265	Soil Fertility	17314
Policies and Programs	14743	Tobacco	16292	Soil Tilth and Tillage	17470
Legislation and Taxation	14748	Horticultural Crops	16298	Drainage, Irrigation, Water Supply, and Flood Control	17498
Forest Products and Utilization	14754	Fruit-General	16299	Erosion and Erosion Control	17644
Lumbering and Logging	14767	Citrus and Subtropical Fruits	16318	Sanitation	17665
Sawmills	14803	Deciduous Fruits	16324	Materials for Soil Improvement	17669
Processing and Woodworking	14809	Small Fruits	16361	Chemical Fertilizers	17669
Seasoning, Conditioning, and Finishing	14811	Nuts	16387	Mineral Soil Amendments	17674
Wood Preservation and Damage	14813	Shade Trees and Ornamental Plants	16390	Fertilizer Technology and Statistics	17675
Lumber and Rough Products	14827	Vegetable and Truck Crops (Including Potatoes)	16459	Manures and Composts	17700
Construction	14844	Miscellaneous Economic Plants	16522	MISCELLANEOUS	17710
Veneers, Plywood and Adhesives	14845	Plant Pathology and Protection	16541	General	17710
Furniture	14851	Field Crops	16568	Biography	17775
Pulp and Paper	14852	Horticultural Crops	16577	History	17918
Chemical Products and Distillates	14869	Bacterial Diseases	16587	Home Management	17921
Naval Stores	14877	Field Crops	16590	International Relations	17933
Other Forest Products	14882	Horticultural Crops	16595	Meteorology	17935
Silviculture	14901	Forest Trees	16603	Personnel	17942
Regeneration and Breeding	14950	Forest Trees	16615	Research	17959
Wood Technology	15014	Forest Trees	16653	Statistics	17959
PLANT SCIENCE	15051-17096	Nematodes	16712	NEW PERIODICALS AND SERIALS	p. 227
General	15051	Field Crops	16714	TRANSLATIONS	p. 228
Morphology, Anatomy, and Cytology	15093	Field Crops	16717	U. S. D. A. PUBLICATIONS	p. 233
Ecology	15237	Horticultural Crops	16718	STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p. 236
Genetics	15298	Field Crops	16728	STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p. 239
Physiology and Biochemistry	15363	Field Crops	16738	FAO PUBLICATIONS	p. 240
Field Crops	15676	Forest Trees	16756	PERSONAL INDEX	
Cereals	15684	Forest Trees	16780		
Fiber Crops	15789	Physiological Diseases	16781		
Forage Crops and Grasses	15796	Injuries	16795		
Oil Crops	15825	Systematic and Geographic Botany	16818		
Sugar Crops	15833	Spermatophytes	16848		
Tobacco	15844	Pteridophytes	16933		
Horticultural Crops	15856	Bryophytes	16940		
Fruit Crops	15857	Algae	16965		
Nuts	15897	Fungi (Including Lichens)	16970		
Shade Trees and Ornamental Plants	15899	Weeds and Poisonous Plants	17014		
Vegetable and Truck Crops	15915	Biology	17017		
Miscellaneous Economics Plants	16004	Weed Control	17024		
Forest Trees	16021	Chemical Weed Control	17033		
		Cultural, Biological Weed Control	17094		
		SOILS AND FERTILIZERS	17097-		
			17709		
		Soil Science	17097		
		Soil Physics	17099		
				ORGANIZATIONAL INDEX	

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 10141 AGRICULTURAL economy of the Italian regions. XIX. The Veneto. Ital. Doc. Notes. 15 (3):215-230. May/June 1966. 280.8 H13
- 10142 ANTUNA, S. Contribution of FAO to agricultural development. (Sp) Vida Agr. [Lima] 42 (508/509):649,651-652. 1966. 9.8 V66 Latin American economic development.
- 10143 ASSOCIATION AGRO-SYLOV PASTORALE ET DE LA VIE RURALE EN MONTAGNE "CHARLES FLAHAULT DES PYRENEES-ORIENTALES." For a mountain statute. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:221-225. 1964/65, pub. 1966. 281.9 Ec7
Subsidies, research, and education.
- 10144 AUTHOSSERRE, L. The agricultural economy at Grand-Bornand (Haute-Savoie). (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:470-471. 1964/65, pub. 1966. 281.9 Ec7
- 10145 BADOIN, R. In search of an agricultural economic system in developed country. (Fr) Mediterranea 11:169-178. July/Sept. 1966. 281.8 M462
English summary.
Trend toward decline in traditional farming and conversion of the farmer into a technician.
- 10146 BAILEY, F. Agriculture's financially rosy outlook. Banking 59(4):107-108. Oct. 1966. 284.8 Am3
- 10147 BANCO CENTRAL DEL ECUADOR. Memoria del representante general correspondiente al ejercicio de 1965 [Report of the general manager for the 1965 season]. Quito, 1966. 261 p. 284.9 B22361
Includes the economic situation and trade in agricultural products.
- 10149 BANCO DE ANGOLA. Relatório e contas, exercício de 1965 [Report and accounts of the Bank of Angola, 1965 season]. Lisboa, 1966? 280 p. 280.9 B2224
Includes the economic situation in agriculture.
- 10149 BANK OF KOREA. Review of Korean economy in 1965. Seoul, 1966. 150 p. 280.9 B2273R
Includes agriculture.
- 10150 BANK MARKAZI IRAN (CENTRAL BANK OF IRAN). Annual report and balance sheet as at March 20, 1966. n.p., 1966. 202 p., map. 284.9 B2244B
Includes economic situation in agriculture.
- 10151 BANK OF THAILAND. Annual economic report 1965. Bangkok, 1966. 105 p. 284.9 B2245
Includes review of agricultural production and trade.
- 10152 BOHMONT, D. W. Economics of agriculture examined. Nev. Ranch Home Rev. 3(7):2. Fall 1966. 60.18 Sci2
- 10153 CANADIAN WELFARE COUNCIL. Un rapport préliminaire sur la pauvreté rurale dans quatre régions choisies. A preliminary report of rural poverty in four selected areas. Ottawa, 1965. 209 p. HC115.C3
Prepared for Agricultural Rehabilitation and Development Agency of Canada.
- 10154 FEDERATION FRANCAISE D'ECONOMIE MONTAGNARD. Bulletin, nouvelle série, No. 15, 1964/1965 [Bulletin, new series, No. 15, 1964/1965]. Grenoble, 1966. 487 p., map. 281.9 Ec7
Contains the report of the 1965 congress held in Mende.
- 10155 FRANCE. DIRECTION DE LA DOCUMENTATION. La lutte contre la pauvreté aux Etats-Unis [War on Poverty in the United States]. France. Dir. Doc. Notes Etudes Doc. 3315, 34 p. Aug. 31, 1966. 280.9 F843
- 10156 GUSSEK, K. D. Set up a complex system of university education in economics. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 9th Congr.: 394-395. 1966. 280.29 D482
- 10157 HALCROW, H. G. Agricultural development potentials. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):98-103. Oct. 1966. 281.8 Am32
- 10158 HILL, P. A plea for indigenous economics: the West African example. Econ. Develop. Cult. Change 15(1):16-20. Oct. 1966. 286.8 Ec7226
- 10159 MARGAROPOULOS, P. Evolution and trends of the mountain economy in Greece. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:351-359. 1964/65, pub. 1966. 281.9 Ec7
- 10160 NESIUS, E. J. Some realities about agriculture and labor. Agr. Policy Rev. 6(3):4-5. July/Sept. 1966. 281.28 Ag82
- 10161 ORLANDI, L. The Modena "Bassa" on top in halting the exodus. (It) Modena 72(8):14-17, 33. Sept. 1966. 280.9 M722
Economic planning including decentralization of industry.
- 10162 ROSE, B. B., and BROWN, E. E. Relating agricultural economics research to multi-county resource development. J. Soil Water Conserv. 21(5):170-172, map. Sept./Oct. 1966. 56.8 J822
- 10163 SCHULTZ, T. W. Urban developments and policy implications for agriculture. Econ. Develop. Cult. Change 15(1):1-9. Oct. 1966. 280.8 Ec7226
- 10164 SEIDLER, H. Employment development and economic growth in Mauritius; a projection. Port Louis? 1966. 43 p. (Mauritius. Legislative Assembly. Sessional Paper, No. 2) HC517.M554
Includes the outlook for economic growth in agriculture.
- 10165 SOTH, L. K. Agriculture in an industrial society. New York, Holt, Rinehart and Winston, 1966. 64 p. Ref. S441.S6
- 10166 STOCKER, F. D. The role of local government in economic development of rural areas: research needs and opportunities. U. S. D. A. Agr. Econ. Rep. 94,20 p. Ref. July 1966. A261.9 Ag8A
- 10167 SUNDARAM, A. R. World economic trends cause concern; the impact of Britain's austerity. Planning Com. 14(4):3-5. July 23, 1966. 22 P697
- 10168 THURLINGS, T. L. M. Economic happenings—fate or office? (Du) Landbouwkundig Tijdschr. 78(7):253-260. July 1966. 105.2 Or3
- 10169 TITTL, J. Sociálnogeografski problemi na koprskem podeželju [Social and geographical problems of the Koprsko]. Koper, 1965. 156 p., map. Ref. GB276.S675
English summary.
Includes economic conditions and farming.
- 10170 TOUZERY, H. Planning of the pastoral volcanic mountain. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:227-249, map. 1964/65, pub. 1966. 281.9 Ec7
Economic program including zoning.
- 10171 ULBRICHT, W. The secret of our success consists in the alliance of the working class with the farmers. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 9th Congr.:39-60. 1966. 280.29 D482
- 10172 VREDELING, H. Agrarian social integration. (Ge) Agrarsoz. Ges. Sch. Landliche Soz. 48: 41-59. 1965. 281.9 Ag8625
Problems of income, social security, migration, labor, small farms, and farm management in the E.E.C.
- 10173 WEST, B. E. Economic reforms of eastern Europe. (It) Ital. Agr. 103(7/8):715-717. July/Aug. 1966. 16 It1

AGRICULTURAL FINANCE

- 10174 ALTADONNA, G. More capital for balancing the rural exodus. (It) Macch. Motori Agr. 24 (8):49-52. 1966. 58.8 M13
- 10175 CHERRY, R. C., and WOOTEN, A. B. Comparative investment yields: agricultural land vs selected securities. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):53-59. Oct. 1966. 281.8 Am32

- 10176 DOROSH, I. Y. Problems and methods in analysis of basic funds and capital investments on collective farms. (Uk) Visnyk Sil'skohospodar. Nauk. 7:3-11. July 1965. 20 V82
Russian summary.
- 10177 EULER, M. Private consumption in households of independent farmers. (Ge) Wirtsch. Statist. 8:471-476. Aug. 1966. 265 St22
Data on food consumption included.
- 10178 FARMER, RESEARCH DEPT. 1966 buying intentions of farm families in the Dakotas. St. Paul, 1966. 3 p. 280.39 F2242D
- 10179 FARMER, RESEARCH DEPT. 1966 buying intentions of farm families in Minnesota. St. Paul, 1966. 3 p. 280.39 F2242
- 10180 FORSTER, J. G. Farm income, farm investment and the drought. Rural Develop. 21:2-12. Sept. 1966. 281.28 R888
Australia.
- 10181 LAZAREVA, A. V. Analysis of production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:28-31. Sept. 1966. 30.69 Uc4
Finance on the state farms.
- 10182 MARKO, L. Interrelationship in the effective management of production cooperatives and the supply of fixed and circulating assets. (Hu) Gazdalkodas 10(4):1-16. Aug. 1966. 281.8 G25
English summary.
- 10183 MARKOV, A. I. Analysis of the financial results on the state farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:32-34. Sept. 1966. 30.69 Uc4
- 10184 SMITH, R. S., and STANTON, B. F. Before investing in farm buildings, determine how it will affect your financial position. Hoard's Dairyman 111(21):1318. Nov. 10, 1966. 44.8 H65
- 10185 SMITH, R. S., and STANTON, B. F. Is your dairy farm a good place in which to invest? Hoard's Dairyman 111(20):1235. Oct. 25, 1966. 44.8 H65
- 10186 STANESCU, I. Utilization of production funds at agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest, Food Indus. 469:1-14. Aug. 24, 1966. (JPRS 37,192; TT 66-33621)
173 J663St3
Translation from Probleme Economice 19(5): 65-76. May 1966.
Issued by CFSTI.
- 10187 A SURVEY of the physical and financial effects of drought in northern New South Wales. Rural Develop. 21:13-19. Sept. 1966. 281.28 R888
Includes assets and liabilities, income, and credit.
- 10188 SWAIN, J. B. Financial implications of the EEC's [European Economic Community] common agricultural policy. Foreign Agr. Inc. Foreign Crops Markets 4(44):5-6. Oct. 31, 1966. A281.9 F76Fo
- 10189 TYDEN, A. Some views on the problem of compensation for smoke injuries to vegetation. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 29(2/3):37-40. 1965. 464.9 Sw3V
Fruit, crops and forest.
- 10190 WHALEN, C. E. What to watch for when new highways require your land. U. S. Fur Rancher 45(4):8. May 1966. 412.629 Am3M
Indemnification.
- 10195 COOPER, T. O. The country banks and tight money. Com. West. 132(7):20-22. Oct. 29, 1966. 286.8 C733
- 10196 DOLL, R. J. The changing structure of rural banking. Fed. Reserve Bank Kansas City. Mon. Rev. Sept./Oct. 1966:3-10. 284.8 F31K
- 10197 FEILHAUER, K. H. Credit market and agriculture. (Ge) Kraftfutter 49(9):431-433. Sept. 1966. 389.78 K85
- 10198 FINCH, L. Financing agriculture in the future. Cattlemen 53(5):128-130, 132, 134. Oct. 1966. 49 C29
- 10199 GOODWIN, E. W. How government farm credit affects you. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):75-81. Oct. 1966. 281.8 Am32
- 10200 HIGLEY, R. L. Practical commercial farm finance for today and tomorrow. Nat. Apple Inst. Minutes, 31st Annu. Meeting:23-32. 1966. 280.3939 N21
Credit sources.
- 10201 HYRE, F. M. The PCA [Production Credit Associations] Cooperative-Patron Credit Plan. U. S. Farmer Coop. Serv. Gen. Rep. 135, 12 p. July 1966. A280.29 F22G
- 10202 INSTITUTO COLOMBIANO DE LA REFORMA AGRARIA. Plan de credito supervisado para el Departamento de Boyaca [Plan of supervised credit for the Department of Boyaca]. INCORA (Inst. Colombiano Reforma Agr.). Ser. Estud. 3, various paging, map. June 1964. 282.9 In72
Part 1 by G. Sarmiento Suarez, J. J. Restrepo Uribe, and E. Andrade Martinez.
- 10203 KENNERLY, A. B. Banker-teachers uses many forms. Banking 59(5):88-89. Nov. 1966. 284.8 Am3
Credit forms.
- 10204 LAMBERT, L. D. The decline and fall of the mortgage rate of interest. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):67-74, map. Oct. 1966. 281.8 Am32
- 10205 LINDGREN, T. Contact with Belgian agricultural credit movement. (Sw) Sveriges Jordbricksforbund Jordbrickskasserelsen. 25(6): 193-194. 1965. 284.29 Sv2
- 10206 NARASIMHACHAR, C. V. Indebtedness and the level of development in some South Indian villages. Agr. Situation India 21(1):19-22. Apr. 1966. 281.9 In23
- 10207 OSORIO M., L. R. Will Guatemala have a coffee bank sometime in the future? (Sp) Rev. Cafetalera 60:23-24. Aug. 1966. 68.28 R322
- 10208 QUEBEC FARM CREDIT BUR. Report for the year ending, December 31, 1965. Quebec, 1966. 19 p. 284.29 Q32Ae
- 10209 RONDEROS, A. Proyecto de credito supervisado para el Oriente de Antioquia [Project of supervised credit for the East of Antioquia]. INCORA (Inst. Colombiano Reforma Agr.). Ser. Estud., Oct. 1964, various paging, map. 282.9 In72
- 10210 SKINNER, C. K. A must for most banks--agricultural specialists. Banking 59(4):110, 112. Oct. 1966. 284.8 Am3
U. S. FARM CREDIT ADMIN. The cooperative Farm Credit System--functions & organization. U. S. Farm Credit Admin. Circ. 36, 22 p., map. Dec. 1965. 166.2 C49

Income

Credit

- 10191 AGRICULTURAL BANK OF QUEENSLAND. Annual report for the year ended 30th June, 1966. Brisbane, 1966. 10 p. 284.29 Q3
- 10192 AGRICULTURAL CREDITS AND RURAL DEVELOPMENT BANK OF IRAN. The annual report for the year 1344 (21 March 1965 to 20 March 1966). n.p., 1966. 50 p. 284.29 Ag89
- 10193 AMERICAN BANKING ASSOCIATION. At ABA's National "Ag" Credit Conference in Minneapolis. Com. West 132(21):14-15, 17. Nov. 26, 1966. 286.8 C733
Excerpts of papers.
- 10194 BANCO NACIONAL DE FOMENTO (HONDURAS). Memoria anual [Annual report], 1965. Tegucigalpa, 1966. 75 p. 284.29 B2222M
Includes agricultural credit operations.
- 10212 BRATTON, C. A., and VOORHEIS, M. Farm income data, New York and the United States. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 441, 19 p. Sept. 1966. 281.9 C81Ae
- 10213 CANADA, BUR. OF STATISTICS. Farm net income. Rev. Ottawa, 1966. 7 p. 284.9 C161N
- 10214 FLEKSTAD, N. Income transfer in agriculture. (No) Ny Jord 53(3):87-99. June 1966. 282.28 N98
- 10215 GRANT, A. Farm incomes in the North of Scotland, 1964-65. N. Scot. Coll. Agr. Agr. Econ. Dep. Financ. Rep. 63, 117 p. June 1966. 281.3439 N81

- 10216 KYRYCHENKO, V. F. Analysis of increase of gross income on collective farms. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:3-7. May 1965. 20 V82
Russian summary.
- 10217 PELLIZZARI, C. Electoral propaganda and reality: income parity for agriculture. (It) Rass. Agr. Ital. 21(7):11-12. July 1966. 281.8 R18
- 10218 POLEZINA, V. Product income and surplus income as two economic categories of socialism. (Se) Stopanski Pregl. 16(2):28-44. Ref. Mar./Apr. 1966. HB9.38
Corresponding to gross and net income.
- Insurance
- 10219 PETRONI, V. Sickness mutuals of owner-operators. (It) G. Agr. 76(40):427. Oct. 2, 1966. 16 ItIG
- 10220 SCHROER, F. The "new look" in farm insurance. Mid-West, Banker 60(11):16, 19. Nov. 1966. 284.28 B222
- Taxation
- 10221 BJERKE, H. M. Manage your farm income to save taxes. Hoard's Dairyman 111(21):1324-1325. Nov. 10, 1966. 44.8 H65
- 10222 BRUHL, K. S., and LEWIS, T. W. Tax facts, estate taxes—farm and ranch land valuation arguments. Tex. Livestock J. 25(10):8, 25. Oct. 15, 1966. 49 T29
- 10223 FOSTER, B. B. An "open space" tax law for New Hampshire? Forest Notes 91:21-22. Fall 1966. 99.8 F7691
- 10224 QUEENSLAND, COMMISSIONER OF LAND TAX. Annual report on the operation of the acts during the year 1965-66. Brisbane, 1966. 8 p. 271.3 T19
- 10225 TAYLOR, E. A. The grower per-box tax and where it goes. Citrus Indus. 47(7):5-7. July 1966. 80 C49
Programs of the Florida Citrus Commission.
- AGRICULTURAL LABOR AND WAGES**
- 10226 ABDEL-MOATY, R. Rural employment project control coding operations program. Cairo, 1965. 31 p. (United Arab Republic. Institute of National Planning. Memo. No. 555) QA76.A2
- 10227 ARIZONA STATE EMPLOYMENT SERV. Arizona post-season farm labor report for 1965. Phoenix, 1966. 48 p. 283.8 Ar4
Recruiting and placement and employment.
- 10228 BAKONYI, E. The savings technically possible in cooperative field work. (Ge) Landarbeit 17(5):33-35. May 1966. 18 L2355
Time studies and labor requirements.
- 10229 BATYGIN, K. S. Regulations concerning calculation of the uninterrupted service of the mechanics, specialists and collective farm managers. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:45-46. Sept. 1966. 30.69 Uc4
- 10230 BOUMA, J. What are the possibilities of the contract firm in a straight grassland district. (Du) Loombedrijf Land- Tuinbouw 28(4):671, 673, 675, 677, 679, 681, 683. Nov. 1966. 283.8 L87
- 10231 BOWLES, C. K. The hired farm labor force. Agr. Policy Rev. 6(3):6-7. July/Sept. 1966. 281.28 Ag82
- 10232 BURFORD, R. L. The Federal cotton programs and farm labor force adjustments. Southern Econ. J. 33(2):223-236. Oct. 1966. 280.8 So84
- 10233 CHEN, M. F. Paying the peasants. Far East. Econ. Rev. 54(5):263-264. Nov. 3, 1966. 286.8 F223
- 10234 DORN, F. The clear conscience and farm contracts. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:143-145. 1966. 280.29 D482
Labor brigade records.
- 10235 DUCAN, O. D., and COWHIG, J. D. Social backgrounds and occupational commitment of male wagedworkers in agriculture. Agr. Econ. Res. 18(4):129-135. Oct. 1966. 1 Ec7Agr
Recruitment.
- 10236 DUPUIS, H. Research on the influence of sine and stochastic vibrations on the human vertebrate column and stomach. (Ge) Landarbeit 17(6):41-42. June 1966. 18 L2355
In driving vehicles.
- 10237 GARIPPOV, K., and MIKHAILOV, V. Raising material incentives of machine operators, engineers and technicians of collective farms. (Rus) Tekh. Sel'skom Khoz. 10:79-85. Oct. 1966. 58.8 M11
- 10238 HECHT, R. W. Migratory farm labor. Agr. Policy Rev. 6(3):10-11. July/Sept. 1966. 281.29 Ag82
Includes policies.
- 10239 HINAYILO, F. T. Method for determination of work standards in harvesting peas on production line. (Uk) Visnyk Sil's'kohospodar. Nauk. 8:19-25. Aug. 1965. 20 V82
Russian summary.
- 10240 JAKOB, M. Technical and economic research on liquefied feeding and different housing forms. (Ge) Deut. Landwirt. 17(8):400-404. Aug. 1966. 18 D4822
Labor requirements for feeding swine and manure removal.
- 10241 LANDMAN, B. Labor force in contract firms. (Du) Loombedrijf Land- Tuinbouw 19(4):695, 697. Nov. 1966. 283.8 L87
Requirements.
- 10242 MATZ, E. Skeptics are convinced. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:236-238. 1966. 280.29 D482
Collective farm livestock raising and women's labor.
- 10243 MAUNDER, F. H. Labor plentiful, but mechanization looms. Tobacco [New York] 163(21):19. Nov. 18, 1966. 286.89 T552
Tobacco labor in India.
- 10244 MORINI, M. A propos of the amount of labor needed on farms: the question of quality of owner-operator. (It) Rass. Econ. Prov. Alessandria 19(4):17-20. July/Aug. 1966. 287 AL24
- 10245 NOHE, E. Occupational possibilities of the agricultural graduate. (Ge) Mitt. Deut. Landwirt.-Ges. 81(21):926, 928. May 26, 1966. 18 N39
- 10246 OKHAPKIN, K. A. Monthly guaranteed payments on collective farms. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:45-51. Aug. 1966. 20 V633
- 10247 ONDO, I. Increasing labor productivity in corn production at the state farm of Papa. (Hu) Gazdalkodas 10(4):49-58. Aug. 1966. 281.8 G25
- 10248 PANETOV, I. A. Commercial accounting for the complex teams. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:16-19. Sept. 1966. 30.69 Uc4
Labor payments.
- 10249 PELLIZZARI, C. Revision of the system of mobile scale for wages urged even in agriculture. (It) Rass. Agr. Ital. 21(8/9):20-21. Aug./Sept. 1966. 281.8 R18
- 10250 POPOVICI, V. V. Aspects of applying additional remuneration in agricultural cooperatives. (Rum) Probl. Agr. [Bucharest] 18(9):66-71. Sept. 1966. 21 R862
- 10251 POPOVICI, V. V. Raising material incentives within agricultural production co-operatives. (Rum) Probl. Econ. [Bucharest] 19(9):85-97. Sept. 1966. 280.8 P947
English summary, p.171.
- 10252 RICHTER, J. How the new minimum wage law will affect you. Poultry Trib. 72(11):22-23, 44. Nov. 1966. 47.8 P8642
- 10253 ROMANOVIC, D. Problems of the raise of labor productivity in the production of corn. (Se) Agron. Glas. 15(7/8):447-470. 1965. 21.5 Ag84
- 10254 RUDD, R. W. Minimum wages and farming. Agr. Policy Rev. 6(3):8-9. July/Sept. 1966. 281.28 Ag82
Impact of the enactment of minimum wage standards for hired farm workers.

- 10255 SEELIG, G. High income—high bonuses. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 9th Congr.:490-491. 1966. 280,29 D482
- 10256 SEIDLER, R. Experiences in the compensation and giving of bonuses for work in root crop harvesting. (Ge) Deut. Landwirt. 17(8):378-380. Aug.1966. 18 D4822
- 10257 SHKUTOV, V. M. Extra wages for hemp growers. (Rus) Len Konoplya 10:15-17. 1966. 73.8 L542
- 10258 STEFFAN, G. Qualify the farm woman for prospects. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 9th Congr.:258-260. 1966. 280,29 D482
- 10259 STOCKWELL, E. G., and RIDGEWAY, S. O. The population of Connecticut: labor force participation and employment status, 1960. Conn. (Storrs) Agr. Exp. Sta. Bull. 392,19 p., map. Oct.1965. 100 C765
- 10260 UFERMANN, S. Weather risk and forage harvest. (Ge) Landarbeit 17(5):36-38. May 1966. 18 L2355
Labor requirements for mechanized work and hay drying.
- 10261 VERBOVOI, G. P. Quality of production and material stimulation. (Rus) Uchet Finansy Kolhozov. Sovkhoz. 9:20-22. Sept.1966. 30,69 Uc4
Labor accounting.
- 10262 WHITE HOUSE CONFERENCE "TO FULFILL THESE RIGHTS," WASHINGTON, D. C., 1966. The report. Washington, 1966. 177 p. E185.61 W5
Includes rural employment program.
- 10263 WIRTH, K. H. Clear agreements save disappointment. (Ge) Kraftfutter 49(9):472-473. Sept.1966. 369,78 K85
Labor.
- 10264 ZAKLADNY, V. The procedure for setting bonuses on sovkhoses. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 126:1-3. Aug.30, 1966. (JPRS 37,321; TT 66-33750)
173 J663Tou
Translation from Ekonomicheskaya Gazeta 23:32. June 1966.
Issued by CFSTI.
- 10265 ZILISTRA, R. The agricultural contract firm. (Du) Loonbedrijf Land- Tuinbouw 19(9):739. Sept.1966. 283.8 L87
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 10266 ABRAHAMS, E. Agriculture in Ghana (revised). Ghana Farmer 9(3):109-112. Aug.1965. 24 G564
- 10267 ADAM, R. Decrease in agricultural surpluses in the United States. (Ge) Schweiz. Landwirt. Monatsh. 44(6):237-239. June 1966. 17 Sch93
- 10268 AGRARSOZIALE GESELLSCHAFT. Landvolk auf dem Wege nach Europa [Agricultural population on the way toward Europe]. Agrarsoz. Ges. Schr. Landliche Soz. 48,118 p. 1965. 281.9 Ag892S
- 10269 AGRICULTURE in the latest European development plans. (Sp) Spain. Dir. Gen. Capacitacion Agr. Bol. Inform. Min. Agr. 119:21-25. May/June 1966. 281.9 Sp1
- 10270 ALASKA. UNIVERSITY. EXTENSION SERV. Alaska resource development directory. Alaska. Univ. Ext. Publ. 49,51 p. Mar.1965. 275,29 AL13P
- 10271 ALEXE, E. Continuing development of Rumanian agriculture. U. S. Joint Publ. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 469:15-20. Aug.24,1966. (JPRS 37,192; TT 66-33621) 173 J663SSt
Translation from Scinteia 35(7043):1,3. July 17,1966.
Issued by CFSTI.
- 10272 ALLEN, P. T., and others. The balance sheet of agriculture, 1966. U. S. D. A. Agr. Inform. Bull. 314,27 p.,map. Sept.1966. 1 Ag84Ab
C. D. Evans, L. A. Jones, R. D. Reinsel, W. H. Scofield, and N. J. Wall, joint authors.
- 10273 ARDE, T. On the story of 1965. (It) Esso Agr. 15(3):4-5. June 1,1966. 58.8 Es7
Agricultural production.
- 10274 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. List of publications to December 31, 1964. Melbourne, 1965. 58 p. 241.1 Au7
Agricultural publications included.
- 10275 AUSTRIA. BUNDESMINISTERIUM FÜR LAND- UND FORSTWIRTSCHAFT. Bericht über die Lage der österreichischen Landwirtschaft 1965 gemäss 89 des Landwirtschaftsgesetzes, BGBl. Nr. 155/1960 [Report on the situation of Austrian agriculture 1965 in accordance with 89 of the Agricultural Law, BGBl. No. 155/1960]. Wien, 1966. 131 p.,map. 19 Au72B
- 10276 BAGRAMOV, G. G. The socialist way of the development of agriculture. Ghana Farmer 9(3):100-103,112. Aug.1965. 24 G564
USSR.
- 10277 BASUTOLAND. Basutoland 1964. London, 1965. 135 p. Ref. 280,193 B29
Includes a section on agriculture.
- 10278 BELL, D. E. Responsibilities of government in the support of food production and distribution. Nat. Acad. Sci. Proc. 56(2):307-314. Aug.15,1966. 500 N21P
- 10279 BENEDETTI, A. Criteria for applying "Green Plan No. 2." (It) G. Agr. 76(42):447. Oct.16, 1966. 16 It1G
- 10290 BIELANDER, J. Plants and animals in the old law of Valais. (Ge) Schweiz. Z. Forstwesen 117(8/9):648-659. Ref. Aug./Sept.1966. 99.8 J82
French summary.
- 10281 BOOTH, R. Agriculture shortens its hemline. Agr. Merchant 46(10):67,71,73. Oct.1966. 10 Ag89
- 10282 BOTTALICO, M. Programming in relation to the requirements of the rural world. (It) Agricoltura 15(2):20-32. Feb.1966. 16 Ag8226
International.
- 10283 BRAGER, F. For a mountain statute. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15:319-325. 1964/65,pub.1966. 281.9 Ec7
- 10284 BROWN, G. A. What does Jamaica expect of her agriculture? Farmer [Kingston] 71(7/8):162-164. July-Aug.1966. 8 J223
- 10285 BUCK, W. F. Highlights of the agriculture and trade of Canada. Foreign Agr. Incl. Foreign Crops Markets 4(44):20. Oct.31,1966. A281.9 F76Fo
- 10286 BUNNENBERG, J. Agriculture of Goslar district. (Ge) Mitt. Deut. Landwirt.-Ges. 81(36):1333-1334,1336,1338. Sept.8,1966. 18 N39
- 10287 CANADA. DEPT. OF AGRICULTURE. List of publications, 1966. Ottawa, 1966. 14 p. 242.2 C163
- 10288 CASINI, P. The rural world of tomorrow. (It) Ital. Agr. 103(5):413-432. May 1966. 16 It1
- 10289 CHOU, L. S. Preliminary research on agricultural regions in the mixed agro-pastoral realm of Kansu and Tsinghai. 211 p. (JPRS 36,077; TT 66-32511) HC428.K3C5
Translation of Kan-ch'ing Nung mu Chiao ts'o Ti chu Nung yeh Ch'u hua Ch'u pu Yen chiu.
CFSTI: \$6.00.
- 10290 CHRISTENSEN, R. P., and OWEIS, J. S. Population growth and agricultural productivity. Econ. Planning [Montreal] 1(2):4,14-15. Nov./Dec.1965. HD1785.A1
- 10291 CHRISTIANSEN, C. The Tyborg Foundation agricultural study excursion to Poland. (Da) Naesgaardsbogen 52:46-50. 1965. 104 N12N
- 10292 CLARK, H. E. Texas program pays off. Agr. Ammonia News 16(6):84-86,90-92. Nov./Dec. 1966. 381 Ag82
Operation Blackland Income Growth.
- 10293 COYNER, M. S. Highlights of the agriculture and trade of El Salvador. Foreign Agr. Incl. Foreign Crops Markets 4(43):16. Oct.24,1966. A281.9 F76Fo
- 10294 COYNER, M. S. Highlights of the agriculture and trade of Guatemala. Foreign Agr. Incl. Foreign Crops Markets 4(42):16. Oct.17,1966. A281.9 F76Fo

- COYNER, M. S. Highlights of the agriculture and trade of Mexico. Foreign Agr. Incl. Foreign Crops Markets 4(41):16. Oct.10,1966. A281.9 F76Fo
- CROGHAN, J. Challenges to ACP [Agricultural Conservation Program]. U. S. Agr. Stat. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:6-13. A281.9 V59
- DEBATISSE, M. For a mountain statute. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15:69-74. 1964/65, pub. 1966. 281.9 Ec7
- DEUTSCHER BAUERNKONGRESS, 9, BERLIN, 1966. Überarbeitetes Protokoll [Revised minutes on the German Farmer Congress]. Berlin, 1966. 533 p. 280.29 D482
- DIETRICH, B. Regional and economic structure in the Federal Republic. (Ge) Bad Godesberg, Inst. Raumforsch. Inform. 16(17):515-530, map. Sept. 15, 1966. 280.9 B643I Includes agriculture.
- EWALD, G. Increasing of yields and the further use of the new economic system of planning and management of the socialist agriculture of the DDR. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:63-102. 1966. 280.29 D482
- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The state of food and agriculture, 1966. Rome, 1966. 242 p. 389.9 F735St Contains sections on a world review, agriculture and industrialization, and rice in the world food economy.
- FRANK, W. First comparative agricultural structure sampling in the EEC. (Ge) Diplomlandwirt 16(7):188-190. July 1966. 18 D62 Labor, tenure, credit, mechanization, and plant and animal production.
- GACHON, L. For a mountain statute. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15:251-252. 1964/65, pub. 1966. 281.9 Ec7
- GERMANY (FEDERAL REPUBLIC). LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGSGESAMT UND INFORMATIONSDIENST. Richtlinien; Förderungsmassnahmen des Bundes für die Land- und Forstwirtschaft [Guide lines; promotion measures of the Federation for Agriculture and Forestry]. Hiltrup, 1966. 344 p. 281.9 G314
- GODART, A. L. Social and cultural aspects of integrated rural development in some West African countries. Int. Labour Rev. 94(3):255-273. Sept. 1966. 283.8 In8
- GRAFFUNDER, S. The present agricultural policy purpose of the CDU/CSU in Germany. (Ge) Feldwirtschaft 7(4):177. Apr. 1966. 18 W763
- GRUNEBERG, G. The experiences of the best must be the common good. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:311-333. 1966. 280.29 D482 Agricultural policy.
- HALLSTEIN, W. The way toward Europe. (Ge) Agrarsoz. Ges. Schr. Landlich Soz. 48:5-22. 1965. 281.9 Ag862S Integration.
- HENNING, F. W. What does the rural population in Europe expect? Report of the forum. (Ge) Agrarsoz. Ges. Schr. Landlich Soz. 48:101-111. 1965. 281.9 Ag862S Agricultural policy.
- HOCHERL, H. Structure and function of the agricultural policy in the European Economic Community. (Ge) Obst Gemuse 50(10):33-34. Oct. 1966. 286.83 Or72
- KANEV, S. Bulgaria's farmers follow with interest the upswing of DDR agriculture. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:209-212. 1966. 280.29 D482
- KAZ'MIN, G. Foundations of the proper farming systems in the Far East. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:34-41. Aug. 1966. 20 V633 English summary.
- KRASTINS, O., and TREJS, B. Use of linear programming in the long-range agricultural production planning in a district. (Rus) Latv. PSR Zinat. Akad. Vestis 6:15-25. Ref. 1966. 511 R442
- LANKFORD, J. F. Sweden considering a new agricultural policy. Foreign Agr. Incl. Foreign Crops Markets 4(42):3-5. Oct.17,1966. A281.9 F76Fo
- LARSEN, P. H. Production planning. (Da) Naesgaardsbogen 52:39-40. 1965. 104 N12N
- LEDJE, I., and SODERBERG, S. Lantbrukets framtid i Varmland. II. Framtida företagsformer [The future of farming in Varmland. II. Future forms of agricultural enterprise]. Stockholm. Jordbrukets Utredningsinst. Medd. 3,134 p. 1966. 11 St63M English summary.
- MACNAUGHT, J. A common competition policy for EEC agriculture. Can. Dep. Agr. Abroad 21(5):30-33. Oct. 1966. 281.9 C1642A
- MAKI, W. R., SUTTON, R. E., and BARNARD, J. R. Simulation of regional product and income with emphasis on Iowa, 1954-1974. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 548:803-835. Ref. Sept. 1966. 100 Io9
- MAPHAM, A. L. Farmer's handbook. Swaziland. Dep. Agr. Bull. 13, various paging, map. July 1965. 24 Sw24
- MARTIRANO, G. The legislative activity of the Senate and the Chamber. (It) Rass. Agr. Ital. 21(7):23. July 1966. 281.8 R18 Agricultural legislation.
- MEDICI, G. The "Green Plan" No. 2 and the situation of Italian agriculture. (It) Ital. Agr. 103(7/8):637-644. July/Aug. 1966. 16 It1
- MEIMBERG, P. Structural improvement—a dynamic event. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1384, 1386-1388, map. Sept. 15, 1966. 18 N39 Raising of income and increasing farm size included.
- MISHRA, S. K. Indian industries and the national crisis. Mysore Econ. Rev. 51, i.e. 50 (1/2):13, 15-16. Jan./Feb. 1966. 280.8 M994 Chiefly industry and agriculture.
- MISRA, S. D. Cash crops have a case. Jute Bull. 29(3):54-56. June 1966. 73.38 In2 Foodgrains vs. other field crops in India.
- MOYES, A. Volunteers in development. London, Overseas Development Institute, 1966. 141 p. Ref. HC60.M63
- NADIRADZE, M. S. Prospects for agricultural progress in Tsulukidze District. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult'p. 3:141-150. 1965. 68.19 M28
- NATIONAL CONFERENCE ON AGRICULTURE AND BIOLOGY, KASERTART UNIVERSITY, 4, BANGKOK, 1965. Proceedings. Bangkok, 1965. 518 p. S293.C6N3 Papers in English and Siamese.
- NONHOFF, F. Functions of a common policy of agricultural structure. (Ge) Agrarsoz. Ges. Schr. Landliche Soz. 48:61-76. 1965. 281.9 Ag862S
- NOORT, P. C. VAN DEN. International comparison of productivity level in agriculture. (Du) Landbouwkundig Tijdschr. 78(1):18-23. Jan. 1966. 105.2 Or3
- PAPI, G. U. Food and agriculture situation. (It) Notiziario 16(6):5-7. June 1966. 280.9 F7323
- PFLAUMBAUM, W. Agricultural production and marketing. (Ge) Kartoffelbau 16(1):1-3. Jan. 1965. 75.8 K145 Policies.
- PLATZER, F. The tasks of agriculture in the development of southern Italy. (Ge) Agrarsoz. Ges. Schr. Landliche Soz. 48:77-83. 1965. 281.9 Ag862S
- POPKO, J. New Five-Year Plan helps broaden the socialist sector in Poland. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:198-200. 1966. 280.29 D482
- PROGRESSI e problemi della Comunità Economica Europea [Progress and problems of the European Economic Community]. Mondo Econ. 21(38, sup.), 24 p. Sept. 24, 1966. 280.8 M742 Includes discussion of the common agricultural policy.

- 10335 PRYOR, F. L., and STALLER, G. F. The dollar values of the gross national products in eastern Europe 1955. *Econ. Planning* [Helsinki] 6(1):1-26. Ref., p.23-26, 1966, 280.8 Ec7324
Includes international comparisons for agricultural productivity.
- 10336 REICHOW, H. J. France's agricultural structure on new basis; observations and impressions on an information tour of the French Jura. (Ge) *Raiffeisen-Rundschau* 18(11):540-542. Nov.1966. 284.28 R132
Includes the role of cooperatives.
- 10337 RESTIVO. The first of November will come into force. (It) *G. Agr.* 76(42):446. Oct.16, 1966. 16 It1G
Text of an interview with the Minister of Agriculture on agricultural policy.
- 10338 ROGERY, C. Current legislation and its adaptation to the mountain. (Fr) *Fed. Franc. Econ. Montagn. Bull.* (n.s.)15:45-47. 1964/65, pub. 1966. 281.9 Ec7
- 10339 RUBIO, P. Spain: the land for he who works it. *Land Labour* 7(2):16-26. Mar./Apr.1966. 283.8 L224
Agricultural and land tenure policy.
- 10340 RUMOR, M. *Prospettive agricole* [Agricultural prospects]. Bologna Cappelli, 1963. 278 p. HD1972.R8
A series of addresses, chiefly on policy.
- 10341 SCAPACCINO, G. More on the Green Plan, the E.E.C., and other agricultural matters. (It) *Rass. Agr. Ital.* 21(7):16-18. July 1966. 281.8 R18
- 10342 SCAPACCINO, G. Points on the matter of agrarian and Community policy. (It) *Rass. Agr. Ital.* 21(5):16-18. May 1966. 281.8 R18
- 10343 SHUMAN, C. B. Annual address before the 47th annual convention of the American Farm Bureau Federation, Chicago, Illinois, December 13, 1965. n.p., 1966. 16 p. 280.83 Am33
- 10344 SIEBERT, A. Die Entwicklung der Agrarwissenschaft unter den staatsmonopolistischen Kapitalismus Westdeutschlands [Development of agricultural science under the state monopolistic capitalism of West Germany]. *Deut. Akad. Landwirtschaftswiss. Sitzungsber.* 14 (16):21 p. 1965. 18 D4825
English summary.
- 10345 STUBBE, H. Agricultural science as a productive force. (Ge) *Deut. Bauernkongr. Uberarb. Protokoll*, 9th Congr.:106-130. 1966. 280.29 D482
- 10346 TITTA, A. First profile of green Europe. (It) *Agricoltura* 15(8):21-32, map. Aug.1966. 16 Ag8226
Agriculture in the European Economic Community.
- 10347 TSIANG, Y. S. Bumper harvests. *Far East. Econ. Rev.* 54(2):87,89. Oct.13,1966. 280.8 F223
Agriculture in Taiwan.
- 10348 TURNER, S. E. The agriculture of Leicestershire. *Roy. Agr. Soc. Engl. J.* 126:61-72. 1965. 10 R81
- 10349 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WYOMING. The 1965 Agricultural Conservation Program for Wyoming. n.p., 1964. 62 p. A281.9 St15A
Library has also 1964.
- 10350 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1966 annual conference, Burlington, Vermont, April 21-22, 1966. n.p., 1966. 67 p. A281.9 V59
Agricultural Conservation Program in Vermont.
- 10351 U. S. DEPT. OF AGRICULTURE. Agricultural development in Nicaragua, with particular reference to the organization and programs of the Ministry of Agriculture; a report of a study by E. T. York and H. Popenoe. Washington, 1965. 69 p., map. Ref. a5471.N5Y6
Agency for International Development, cooperating.
- 10352 VERLINSKY, N. Output and marketing. *Israel Econ.* 22(10):230-231. Oct.1966. 280.8 Is722
Agricultural products.
- 10353 WALKER, D. State planning and agriculture. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:14. A281.9 V59 Vermont.
- 10354 WELLS, J. C. Government investment in Nigerian agriculture: some unsettled issues. *Nigerian J. Econ. Soc. Stud.* 6(1):37-48. Ref. Mar.1966. 280.8 N56
- 10355 WERNER, W. Outshine our West German professional colleagues with good production. (Ge) *Deut. Bauernkongr. Uberarb. Protokoll*, 9th Congr.:267-270. 1966. 280.29 D482
Methods of increasing agricultural production.
- 10356 WEST, J. G. Future of farm programs. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30 (2):43-46. Oct.1966. 281.8 Am32
- 10357 ZIADE, J. For the adoption of a sound agricultural policy for Lebanon. (Fr) *Econ. Rurale* [Beirut] 50,i.e.13:2. Jan.1966. 280.8 Ec7323

Subsidies

- 10358 THE ESTABLISHMENT OF Sugar Stabilization Fund. *Taiwan Sugar* 13(2):7-11. Mar./Apr. 1966. 65.8 T133
By Taiwan Sugar Corporation.
- 10359 FORSTER, J. G. Drought relief measures. *Rural Develop.* 21:20-24. Sept.1966. 281.28 R888
Australia.
- 10360 GARAVEL, L. Suggestions for the application of the last paragraph of article 27 of the law of August 8, 1962 (specific aid aimed at the maintenance of farms in disinherited regions). (Fr) *Fed. Franc. Econ. Montagn. Bull.* (n.s.)15: 115-119. 1964/65, pub. 1966. 281.9 Ec7
Under the Social Action Fund for Improvement of Agricultural Structures (Fonds d'Action Sociale pour l'Amelioration des Structures Agricoles); subsidies.
- 10361 GARIEL, B. Note on the subject of applying to the mountain area the legislation relative to the F.A.S.A.S.A. [Social Action Fund for Improvement of Agricultural Structures]. (Fr) *Fed. Franc. Econ. Montagn. Bull.* (n.s.)15:149-153. 1964/65, pub.1966. 281.9 Ec7
Grants and credit to migrating farmers, settlement of young farmers, education, and other grants for farmer changes.
- 10362 GARIEL, B. The premium of milk collecting in the mountain zone should not be transitory and could be financed by the F.A.S.A.S.A. [Social Action Fund for Improvement of Agricultural Structures]. (Fr) *Fed. Franc. Econ. Montagn. Bull.* (n.s.)15:145-147. 1964/65, pub.1966. 281.9 Ec7
- 10363 MILCHWIRTSCHAFTSFOND (AUSTRIA). Tagungsbericht uber das Jahr 1965 [Report of activities for the year 1965]. Wien, 1966. 439 p., map. 281.3449 M592

COST AND STANDARD OF LIVING

- 10364 SARKISYAN, G. Bringing the standard of living of the workers and kolхоз members closer together. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 131:6-13. Sept.20,1966. (JPRS 37,738; TT 66-34166) 173 3663Tou
Translation from Voprosy Ekonomiki 6:73-81. June 1966.
Issued by CFSTI.

FARM MANAGEMENT AND LAND ECONOMICS

- 10365 AKERS, H. A. Kenya stressing development of its African farming areas. *Foreign Agr. Incl. Foreign Crops Markets* 4(41):11. Oct.10,1966. A281.3 F76Fo
- 10366 ANDREAFA, B. Arable farming and crop rotation under the sign of farm simplification. (Ge) *Landwirt. Forsch. Sonderheft* 20:9-20. 1966. 18 L2333A

- 10367 BABKOV, I. V. Agricultural intensification of collective farms in Uzbekistan. (Rus) Khlopkovodstvo 9:1-5. Sept.1966. 72.8 K522
- 10369 BAHUTS'KYI, O. A., and VOZNA, M. V. Using method of grouping and correlation in study of production on collective farms. (Uk) Visnyk Sil'skohospodar. Nauk. 4:19-27. Apr.1966. 20 V82
Russian summary.
- 10369 BELL, R. Hens & cows earn more together. Big Farmer 37(1):18-21. Winter 1965. 58.8 B46
- 10370 BENNE, R. Gradual concentration of fruit production. (Ge) Obstbau [Berlin] 5(9):132-135. Sept.1965. 80 Ob79
Includes size of farms.
- 10371 BERNARDELLI, O. Improvements in livestock structure in relation to the business economy. (It) Mantova 55:65-74. July/Aug.1966. 287 M315
Farms.
- 10372 BILSTEIN, U. Adjustment problems of the management of sugar beet production farms with hired labor. (Ge) Zucker 19(12):310-316. June 15,1966. 65.8 Z62
English summary.
- 10373 BLEIJENBERG, P. Organization of bigger holdings. (Du) Wageningen. Inst. Tuinbouwtech. Mededel. 56:17-24. Nov.25,1966. 86 W123
English summary, p.25.
Truck farms.
- 10374 BOHDANOVSKY, T. The DDR gains ever greater international authority. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.: 201-202. 1966. 280.29 D482
Collective farming.
- 10375 BOUVEROT, M. The Serrausaia mountain pasture [community] at Morzine. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15:459-460. 1964/65.pub.1966. 281.9 Ec7
Chiefly farm management.
- 10376 BRUNK, S. Dairy cattle raising on the arable farm. (Ge) Mitt. Deut. Landwirt.-Ges. 81(21): 919-921. May 21,1966. 18 N39
Management and costs.
- 10377 BULL, L., and TIMMONS, J. F. Outdoor recreation enterprises, a new source of income in Iowa. Iowa Farm Sci. 21(4):11-14. Oct.1966. 275.28 I94
- 10379 CONKLIN, H. E. The family farm and the coming of revolutions. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):36-42. Oct.1966. 281.8 Am32
- 10379 CONNOR, L. J., and others. Alternative crop enterprises on clay and loam soils of north central Oklahoma; resource requirements, costs and returns. Okla. Agr. Exp. Sta. Process. Ser. P-550,29 p.,map. Ref. Oct.1966. 100 Ok4M
H. D. Hall, O. Walker, and J. Tomlinson, joint authors.
U. S. Department of Agriculture, cooperating.
Grain and forage plants.
- 10380 DAVIS, I. H. Maximizing incomes from Circle Valley farms, Piute County, Utah. Utah. Agr. Exp. Sta. Utah Resources Ser. 30,25 p. May 1966. 279.9 Utl
Linear programming used.
- 10381 DAVIS, L. H., and JOHNSON, R. L. Maximizing incomes from crops on Millard County farms. Utah. Agr. Exp. Sta. Utah Resources Ser. 32, 31 p. July 1966. 279.9 Utl
Linear programming used.
- 10382 DILLON, J. L. New England's Farm Management Service Centre. Farm Policy 5(4):115-121. Mar.1966. 281.8 F2242
At the University of New England (New South Wales).
- 10383 DOBERT, H. Possibilities and limitations of farm simplification. (Ge) Landwirt. Forsch. Sonderheft 20:1-8. 1966. 18 L2333A
- 10384 DOHLER, J. The picture of our future socialist farm inspires everyone. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.: 229-235. 1966. 280.29 D482
East Germany.
- 10385 DREISS, J. To-day's concepts on poultry production. Zootechnia 15(2):77-96. Ref. Apr./June 1966. 41.8 273
Management.
- 10386 DUMUID, P., and WANZ, J. M. Does ensilage allow improving the economic results of the barn and the forage area? (Fr) Agr. Romande (ser.B)5(9):50-52. Sept.1966. 17 Ag8
Statistics of silos and forage area and labor requirements.
- 10387 EMERSON, J. A banker looks at the swine business. Southern Ill. Univ. Sch. Agr. Anim. Indus. Publ. 8:9-13. 1966. 49.9 S0812
Farm management and financing.
- 10388 FRANKO, J. Modern data processing, an important prerequisite for scientific management. (Ge) Deut. Landwirt. 17(8):369-372. Aug.1966. 18 D4822
- 10389 GAREWAL, N. S. Let us raise ducks in places where there are ponds and streams. Indian Poultry Gaz. 50(1):13-17. Apr.1966. 47.8 In22
- 10390 GRABS, G. Relation between feed production and suitable organization for cattle raising, illustrated by the Siethen state farm, Zossen district. (Ge) Deut. Landwirt. 17(8):393-396. Aug.1966. 18 D4822
- 10391 HADLEY, N. S. Adjusting the farm business to changing forces. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):5-8. Oct.1966. 281.8 Am32
- 10392 HAMANN, H. O. The smallest size for different farm branches. (Ge) DLZ-Landtech. Z. 17(10):636-639. Oct.1966. 58.8 T677
- 10393 HARRIS, L. The Farm of Tomorrow. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):9-10. Summer 1966. 100 N27N
- 10394 HENDEL, F. Services for socialist agriculture are constantly broadened. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:396-399. 1966. 280.29 D482
By farmer trade cooperatives.
- 10395 HUFF, J. M., and JOHNSON, H. A. Recreation facilities and services operated by FHA [Farmers Home Administration] borrowers. U. S. D. A. Econ. Res. Serv. ERS-294,12 p. June 1966. A281.9 Ag83E
Income-producing outdoor recreation facilities by farmers.
- 10396 KAHN, A. S., and ACHARYA, S. S. Reorganization of case farm in Ludhiana District (Punjab) (application of budgeting technique). Indian J. Agr. Econ. 21(2):84-99. Apr./June 1966. 281.8 In2
- 10397 KERNCHEN, G. How can more rapid progress be made in the type I LPG? (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.: 225-228. 1966. 280.29 D482
- 10399 KLAVINS, D. Optimization of tractor station organization scheme. (Rus) Latv. PSR Zinat. Akad. Vestis 7:3-12. 1966. 511 R442
Statistical methods used.
- 10399 KNIELY, A. Joint enterprise—even in agriculture? (Ge) Mitt. Deut. Landwirt.-Ges. 81(37): 1373-1374.1976. Sept.15,1966. 18 N39
Type of cooperative farming in France.
- 10400 KOZAK, O. M. Intensification on specialized state and collective fruit farms. (Uk) Visnyk Sil'skohospodar. Nauk. 5:7-11. May 1965. 20 V82
Russian summary.
- 10401 KRUGSMAN, H. K. Organizational problems around developing horticultural holding. (Du) Wageningen. Inst. Tuinbouwtech. Mededel. 56: 7-11. Nov.25,1966. 86 W123
English summary, p.25.
- 10402 KRUMMEL, D. Suggestions for the division into production regions and organization of fruit production in the district of Leipzig. (Ge) Obstbau [Berlin] 5(9):135-136. Sept.1965. 80 Ob79
- 10403 KVA HAR provebruka laert oss? [What have demonstration farms taught us?]. Norway. Landbruksdep. Opplysningsstjenesten. Smaskr. 6,7 p. 1966. 464.4 N63

- 10404 LONG, W. H. Farm economics. Roy. Agr. Soc. Engl. J. 126:115-135. 1965. 10 R81
Review of the literature.
Management.
- 10405 LUDEMANN, H. Inner farm economy today and tomorrow. (Ge) Mitt. Deut. Landwirt.-Ges. 81(36):1331-1333. Sept. 6, 1966. 18 N39
Management and labor.
- 10406 LUPERTI, A. R. Hill livestock production. (It) Progr. Agr. [Bologna] 12(10):683-692. July 1966. 56.8 P94
Management of cattle farms.
- 10407 MALGRAND, E. Samoens; Saix mountain pasture. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.) 15:453-454. 1964/65, pub. 1966. 281.9 Ec7
Farm management.
- 10408 MAULDON, R. G. Farm management for the twentieth century. Farm Policy 5(4):103-108. Mar. 1966. 281.8 F242
- 10409 MAURER, K. J. Industrialized management in fruit production. (Ge) Obst Gemüse 30(10):50-51. Oct. 1966. 286.83 Ob72
- 10410 MEYER-BAHLBURG, W. Cooperative large-scale holding of dairy cattle. (Ge) Mitt. Deut. Landwirt.-Ges. 81(32):1222,1228,1230. Aug. 11, 1966. 18 N39
- 10411 MIJZENBERG, E. W. B. VAN DEN. The developing horticultural holding. (Du) Wageningen. Inst. Tuinbouwtech. Mededel. 56:1-6. Ref. Nov. 25, 1966. 86 W123
English summary, p. 25.
Management of truck farms.
- 10412 MORRIS, S. T., and LUXTON, H. W. B. Farm management—planning and controlling the business. Roy. Agr. Soc. Engl. J. 126:93-102. Ref. 1965. 10 R81
- 10413 MOSLEY, G. Dairy farming today. Agr. Northern Ireland 41(5):131-133. Sept. 1966. 256.13 Ag82M
Educational programs in Northern Ireland.
- 10414 NEUMANN, H. Managerial adaptation of potato producing farms in Bavaria to the changed marketing conditions. (Ge) Kartoffelbau 17(4):106-110. Apr. 1966. 75.8 K145
- 10415 NICULESCU, E. Chief measures for an effective economic culture of vegetables in state farms in the Bucharest area. (Rum) Rev. Gosp. Agr. Stat 18(5):9-10, 17. May 1966. 21 R32
Includes acreage and yields.
- 10416 NIKOLAEVA, Z. P., and RABSHITINA, V. M. Reducing price in production of pork on specialized farms. (Uk) Visnyk Sil's'kohospodar. Nauk. 4:14-19. Apr. 1966. 20 V82
Russian summary.
- 10417 NOORT, P. C. VAN DEN. Investment criteria for cost-profit projects. (Du) Landbouwkundig Tijdsch. 78(9):306-311. Sept. 1966. 105.2 Or3
- 10418 OERTZEN, W. VON. Dutch agricultural structure policy in the sign of the E.E.C. (Ge) Bauen Lande 17(6):141-143. June 1966. 296.8 Ar1
Description of farm organization on new polders and agricultural policy.
- 10419 OLDENBANNING, L. G. The family farm. (Du) Landbouwkundig Tijdschr. 78(7):245. July 1966. 105.2 Or3
- 10420 OVSYANNIKOV, S. G. Ekonomicheskii analiz khozyaistvennoi deyatelnosti sel'skokhozyaistvennykh predpriyati [Analysis of the economic activities of agricultural enterprises]. Minsk, Vysshaya Shkola, 1965. 178 p. HD195.W509
- 10421 PAILLUSSON, A. Budget type for small farm (12 ha.). (Fr) Organ. Gestion Entrep. Agr. 30(Etude 303), 6 p. Dec. 1965. 281.8 Or33
- 10422 PATEAU, P., and FRAPPAT, J. Worker-peasants, an enquiry into the Montbeliard Region. (Fr) Organ. Gestion Entrep. Agr. 30(Etude 301), 5 p. Dec. 1965. 281.8 Or33
- 10423 PETERS, J. H. A revolution in cattle feeding. Bankers Mon. 83(11):42-45. Nov. 15, 1966. 284.8 B223
Management.
- 10424 PETKOVIC, L. Cooperation in mutual interest. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:216-218. 1966. 280.29 D482
Collective farming in Yugoslavia and aid by the DDR.
Includes discussion.
- 10425 PINKERTON, A. M. What is a profession? Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):88-90. Oct. 1966. 281.8 Am32
With reference to the Illinois Society of Professional Farm Managers and Rural Appraisers
- 10426 POPESCU, B. Year by year better results in socialist agriculture. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:206-208. 1966. 280.29 D482
Rumania.
- 10427 PUNTERVOLD, M., and ROMARHEIM, H. Driftsplaninger i landbruket; resultatier fra Vestoppland driftsplanring [Management planning circles in agriculture; results from the Vestoppland management planning circle]. Norges Landbruksokn. Inst. Saermeld. 37, 67 p., map. 1966. 281.9 N76
- 10428 READING (ENGLAND) UNIVERSITY. DEPT. OF AGRICULTURE. Guide to the University farms, 1964-65. n.p., 1965. 40 p., map. 103 R22G
- 10429 RENBORG, U. Future farm types in Swedish agriculture. (Ge) Agrarsoz. Ges. Schr. Landliche Soz. 48:85-100. 1965. 281.9 Ag862S
- 10430 RESHETNYAK, V. S. Specialization and concentration of livestock breeding branches on collective farms. (Rus) Zhivotnovodstvo 8:17-26. Aug. 1966. 49 Z6
- 10431 ROSSELET, J. How to interest the farmer's son in farm management. (Fr) Agr. Romande (ser. B) 5(9):45-49. Sept. 1966. 17 Ag8
Distribution of income between father and son.
- 10432 SANDRO, G. DI. Farm efficiency. (It) Progr. Agr. [Bologna] 12(7):655-666. July 1966. 58.8 P94
Economic analyses.
- 10433 SCHACK, G. The false picture of the modern entrepreneur. (Ge) Mitt. Deut. Landwirt.-Ges. 81(25):1037-1038. June 23, 1966. 18 N39
- 10434 SCHAPPER, H. P. Introducing farm management service laboratories. Farm Policy 5(4):99-102. Mar. 1966. 281.8 F2242
Australia.
- 10435 SCHICK, R. For high potato yields on socialist farms. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:474-480. 1966. 280.29 D482
Management and labor.
- 10436 SCHLEGEL, A. Problems of application and carrying out of the contract system in socialist agriculture. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:481-484. 1966. 280.29 D482
For deliveries and other management operations.
- 10437 SCHULT, H. Everything that man creates must be through his head. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:174-179. 1966. 280.29 D482
Collective farm management.
- 10438 SIMPSON, F. M. The "good-doers" pay attention to the trends. Livestock Breeder J. 91(10):48, 50. Oct. 1966. 49 L758
Management of beef cattle farms; includes returns.
- 10439 SINGH, O. N. The Central Sheep and Wool Research Institute, Malpura, Indian Livestock 3(3):20-21, 23, 34. July/Sept. 1965. 49 In23
- 10440 SKOW, D. M. Farming in the Far North. Agr. Situation [Washington] 50(8):3-4, map. Aug. 1966. 1 Ec7Ag
Alaska.
- 10441 SOOS, G. Our common desire, the perfection of planning and management. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:203-205. 1966. 280.29 D482
Collective farming in Hungary.

- 10442 STEINHAUSER, H. and RADES, H. Grundlagen der Optimierungsmittlung im landwirtschaftlichen Betrieb [Bases for optimum determination on the farm]. Betriebswirtsch. Mitt. Wirtschaftsberater 142,31 p. Ref. Aug. 15, 1966. 281.8 B462
- 10443 STRECKEISEN, W. Aspects of consumer potato production. (Fr) Agr. Romande (ser.B)5 (7/8):40-43. July/Aug. 1966. 17 Ag8 Management and costs.
- 10444 STREL'NIKOV, V. V. Lowering costs in planting fruit orchards. (Rus) Sadovodstvo 9:8-9. Sept. 1966. 80 Sa13
- 10445 STURGESS, R. W. The agricultural revolution on the English clays. Agr. Hist. Rev. 14(2): 104-121. Ref. 1966. 30.98 Ag82
- 10446 THOMA, K. Cooperation leads to high production increase. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:219-224. 1966. 280.29 D482
Between collectives in East Germany.
- 10447 TOTH, MRS. E. City gardening cooperatives. (Hu) Kerteszeti Szolész. 15(16):12-13. Aug. 1966. 80 K474
- 10448 TRIERWEILER, J. E., and ERICKSON, D. B. Cow-calf operators' adjustments in production. S. Dak. Farm Home Res. 17(2):7-8. Spring 1966. 100 So92S
United States and South Dakota.
- 10449 TURSKI, R. Miedzy miastem a wsia; struktura społeczno-zawodowa chłopów-robotników w Polsce [Between the city and the villager: social and professional profiles of peasants-workers in Poland]. Warszawa, Panstwowe Wydawnictwo Naukowe, 1965. 305 p. HD1536.P7T8
Bibliography, p.293-305.
- 10450 WAWRZYŃCZAK, S., and ROMASKIN, M. Exchange of experiences with industrial poultry production organizations. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:15-21. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Ste
U.S.S.R. bloc.
Translation Mezinarodni Zemedelsky Casopis 2:9-13. 1966.
Issued by CESTI.
- 10451 WESTRA, P. De inrichting en bedrijfsvoering van bedrijven in Nederland met 50 en meer melkkoeien [Organization and management of farms with 50 and more cows in the Netherlands]. Wageningen, Proefsta. Akker-Weidew. Meded. 121,35 p. June 1966. 64.9 W122
- 10452 WILLIAMS, J. E. Report of a management fee study. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):19-23. Oct. 1966. 281.8 Am32
- 10453 WINNINGER, J. J. Adapting a cattle ranch operation to new opportunities in the beef industry. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):47-52. Oct. 1966. 281.8 Am32
- 10454 WOJCIASZEK, Z. Kierunki gospodarstwa indywidualnych w polsce centralnej. Specialization on individually owned farms in central Poland. Roczn. Nauk Roln. 121-D:176 p. Ref. 1966. 20.5 R59
English summary.
- 10455 WOLT, F. The problem of transition to industrial organization and management on socialist farms in relation to the development of co-operative relations. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:131-142. 1966. 280.29 D482
- 10456 WRIGHT, R. A. Livestock and intensive horticulture in Singapore. Veterinarian [Oxford] 4 (1):33-40. June 1966. 41.8 V6467
Farms.
- 10457 WUNSCHKE, K. Great reserves among "little fishes." (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:146-150. 1966. 280.29 D482
Productive capacity of small collectives.
- 10459 WUNSCHKE, K. H. Many reserves remain in grassland. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:517-523. 1966. 280.29 D482
Cooperative management and its economic effectiveness.
- 10459 ZIESCHE, E. Grassland and livestock economy. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:531-533. 1966. 280.29 D482
Management.
- Bookkeeping and Records
- 10460 ANDREICHKOV, P. G. Simplified accounting for products and materials. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:4-6. Sept. 1966. 30.69 Uc4
- 10461 BURKAT'SKA, H. E., and DZEVENKO, N. E. Commercial calculation and its effect on development of collective farms. (Uk) Visnyk Sil'skohospodar. Nauk. 7:11-16. July 1965. 20 V82
Russian summary.
- 10462 DIORDITSA, S. Centralized elaboration of the economic informations. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:13. Sept. 1966. 30.69 Uc4
Data processing equipment in farm accounting.
- 10463 DYUEVA, L. P. Commercial accounting system in action. (Rus) Len Konoplya 10:19-20. 1966. 73.8 L542
On flax farms.
- 10464 EFIMOV, V., and KARPOV, K. Complete commercial accounting system for the state farms. (Rus) Kommunist 15:75-85. Oct. 1966. 280.8 B633
- 10465 HENNEMANN, A. F. Unified bookkeeping in Europe's agriculture. (Ge) Diplomalndwirt 16(7):191. July 1966. 18 D62
- 10466 IMANGAZHIN, SH. Do we use a proper method in distribution of the superposed expenditure? (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:10-12. Sept. 1966. 30.69 Uc4
Accounting on the state farms.
- 10467 KARIEV, M. Bookkeepers undergo their training in the institute. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:38-39. Sept. 1966. 30.69 Uc4
- 10468 KONKIN, V. A. Theory and praxis. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:10-11. Sept. 1966. 30.69 Uc4
In accounting.
- 10469 KRIVOSPITSKI, N. G., and KRUGLYAK, B. S. Improving accounting of the basic capital. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:7. Sept. 1966. 30.69 Uc4
- 10470 LINEVICH, V. S. Determination of the production costs considering returns. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:35. Sept. 1966. 30.69 Uc4
Accounting.
- 10471 MANUKYAN, A. S. Exact computation of the production costs. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:26. Sept. 1966. 30.69 Uc4
Potatoes.
- 10472 MUNSTERER, W. No farm conversion without written supervision. (Ge) Mitt. Deut. Landwirtschaft. -Ges. 81(37):1406. Sept. 15, 1966. 18 N39
Accounting.
- 10473 NIKIFOROV, I. A. Diploma as result of the study in the institute. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:36-37. Sept. 1966. 30.69 Uc4
Bookkeeping and accounting.
- 10474 NORTON, D. A uniform accounting scheme for vegetable farms, especially for the mushroom farms. (Ge) Champignon 6(53):13-20. Jan. 1966. 80 C352
- 10475 QUILLET, F. Interpretation of accounting results. (Fr) Agr. Romande (ser.B)5(6):30-32. June 1966. 17 Ag8
- 10476 RYZHENKO, P. G. Complete protection of yields. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:2-4. Sept. 1966. 30.69 Uc4
Accounting in harvesting of grain.
- 10477 SAVCHENKO, V. F. Accounting and the reality. (Rus) Len Konoplya 10:17-18. 1966. 73.8 L542
On collective flax farms.
- 10479 SAVCHENKO, V. F. Costs and production quality. (Rus) Uchet Finansy Kolkhoz, Sovkhoz. 9:23. Sept. 1966. 30.69 Uc4
Accounting on the flax farms.

- 10479 SHOKOLEV, S. F. Course to improve qualifications of the bookkeepers. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:40. Sept. 1966. 30.69 Ue4
- 10480 VLASENKO, A. L. Experience in improving calculation. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:8-9. Sept. 1966. 30.69 Ue4
- 10481 ZACHARIAS, H. Improved and simpler book-keeping on socialist farms. (Ge) Deut. Bauernkongr. Ueberarb. Protokoll, 9th Congr.: 524-530. 1966. 280.29 D482
- Costs and Returns
- 10482 ADAMS, K. Economic problems of the grape rootstocks and grafts production. (Ge) Weinberg Keller 12(10):453-466. Oct. 1965. 95.8 W436
English summary.
- 10483 CHARENTE CENTRE D'ECONOMIE RURALE ET DE GESTION. To make efficient use of your forage areas: heifers or dairy cows? (Fr) Organ. Gestion Entrep. Agr. 30 (Etude 302), 6 p. Dec. 1965. 281.8 Or33
Costs and returns.
- 10484 ELEMA, R. K., and MELJAARD, D. Greenhouse culture of strawberries. (Du) Groentent Fruit 22(9):351,353. Sept. 7, 1966. 80 G89
Returns.
- 10485 FINNE, L. The poultry keeper and the economy of the poultry farm. (Sw) Honsgarden 2: 43. In Tidskr. Lantman Andersfolk 19. Oct. 15, 1965. 20 T43
Poultry returns in Finland.
- 10486 FRITZSCHE, W. On the methods of cost analysis of ornamental plants production. (Ge) Arch. Gartenbau 14(2/3):93-103. 1966. 80 Ar2
English summary.
- 10487 GRIERSON, W. More profit from tangerines. Citrus Indus. 47(9):28. Sept. 1966. 80 C49
Costs and returns.
- 10488 JARVESOO, E. Cost of producing Gladioli in Massachusetts. Gladioli 41:50-54. 1966. 96.43 N44
- 10489 KAMARAS, M. The effect of slope on the primary cost of agricultural products. (Hu) Gazdalkodas 10(4):17-30. Aug. 1966. 281.8 G25
- 10490 MELEN, A. Profitability of poultry husbandry. (Sw) Honsgarden 2:44-45. In Tidskr. Lantman Andersfolk 19. Oct. 15, 1965. 20 T43
Finland.
- 10491 MUELLER, A. G., WILKEN, D. F., and KESLER, R. P. 41st annual summary of Illinois farm business records, 1965; commercial farms: production, costs, income, investments. Ill. Univ. Ext. Circ. 941, 24 p., map. Aug. 1966. 275.29 IL62C
- 10492 MUELLER, A. G., and GUTHIER, H. What does it cost you to raise a bushel of corn? Hoard's Dairyman 111(20):221. Oct. 25, 1966. 44.8 H65
- 10493 NILSSON, B. Continued economic views on the purchase of ready mixed feed as against home produced feed for baby pigs. (Sw) Malmohus Lans Hushallningssallsk. Kvartalsskr. 4:380-390. 1965. 11 M29
- 10494 NILSSON, B. Continued economic views on the purchase of ready mixed feed as against home produced feed in fattening swine production. (Sw) Malmohus Lans Hushallningssallsk. Kvartalsskr. 4:369-380. 1965. 11 M29
- 10495 NOORT, L. VAN. Rentabilitet van de bloemteelt te Aalsmeer; voorlopige berekening 1965 [Returns from flower culture at Aalsmeer; preliminary estimates 1965]. Landbouw-Econ. Inst. Verslagen 169, 24 p. July 1966. 281.9 L23V
- 10496 NORIN, S. Does it pay to produce milk? (Sw) Skaraborgs Lans Hushallningssallsk. Tidn. 4: 74-76. Aug. 1966. 11 Sk1
- 10497 NORRIS, R. E. Produce for profits. Citrus Indus. 47(9):26-27, 30. Ref. Sept. 1966. 80 C49
Florida.
- 10498 PANSE, V. G., AMBLE, V. N., and RAUT, K. C. The cost of milk—to the producer and the consumer. Indian Livestock 3(3):37-39, 47-48. July/Sept. 1965. 49 In23
- 10499 PATIL, N. P. Input costs and returns of major irrigated crops in Mandya District (sugarcane, paddy and kar ragi). Indian J. Agr. Econ. 21(2):78-84. Apr./June 1966. 281.8 In2
- 10500 ROBERTS, N. K., and BLANCH, G. T. Sheep ranching in Utah's economy, 1964. Utah Agr. Exp. Sta. Utah Resources Ser. 33, 11 p. Aug. 1966. 279.9 U11
Costs and returns.
- 10501 SCHROEDER, E. H. Profits in perspective. Empress Chinchilla 22(12):14-15. Nov. 1966. 412.628 N21
- 10502 VERTRIEST, W., CLOOSTERIN, B., and GILLIEUX, H. Resultats provisoires des comptabilites agricoles pour l'exercice 1965-1966 [Provisional results of agricultural accounts for the 1965-1966 season]. Brussels. Inst. Econ. Agr. Notes I.E.A. 9, 14 p. July 1966. 281.9 B82N
- 10503 WOOLF, W. F., and HINTON, C. E. Cotton yields and profits vary among producers in Louisiana's Ouachita Valley. La. Rural Econ. 28(4):2-4. Nov. 1966. 281.8 L93
- 10504 ZIEGLER, L. W. Economic aspects of citrus stocks and scions. Citrus Indus. 47(9):18-19. Sept. 1966. 80 C49
Costs and returns.
- Land Tenure
- 10505 ALCORN, M. Land-taking laws aren't fair! Agway Coop. 2(9):12-13. Sept. 1966. 280.28 Ag9
- 10506 ALCOVERRO MUNTANE, T. Evolution of agrarian problems in Spain: 1812-1936. (Sp) Cuad. Inform. Econ. Sociol. 17/18:9-30. Ref., p. 28-30. June/Dec. 1965. 280.8 C893
Land reform.
- 10507 BEGMEEER, H., SEYBERTH, M., and VIDAL, H. The carrying out of "Landeskulturs" in Bavaria. (Ge) Z. Kulturltech. Flurbereingung 7(3):129-146, map. May/June 1966. S605.A1Z4
English summary.
Chiefly consolidation of holdings.
- 10508 CHAPLIN, D. Industrialization and the distribution of wealth in Peru. Land Tenure Center. Res. Pap. 18, 35 p. July 1966. HD107.L3
With reference to land tenure.
- 10509 CHUCHART, C. Land reform evaluation for Thailand. Bangkok Bank Mon. Rev. Apr. 1966: 144-147. 284.8 B224
- 10510 DOLMANYOS, I. Some problems of the east European land reforms (1917-1939). VII. Bulgaria. (Hu) Agrartorteti Szemle 7(2/3):216-235. Ref. 1965. 19 Ag85
German summary.
- 10511 DRECHSEL, M. Die Flurbereinigung im Nurnberg-Furth; eine umfassende Massnahme der Raumordnung zwischen Stadt und Land [Land consolidation in the Nurnberg-Furth area; a comprehensive measure for space planning between city and country]. Schriftenreihe Flurbereinigung 41, 44 p., map. Ref. 1966. 282.9 Sch7
- 10512 DUIN, R. H. A. VAN. De verkaveling van de Gronings-Drenthe Veenkolonien [Consolidation of the Groningen-Drenthe fen colonies]. Wageningen. Inst. Cultuurtch. Waterhuishouding. Mededel. 88, 46 p., map. Ref. 1965. 282.9 W12
- 10513 FAITH, R. J. Peasant families and inheritance customs in medieval England. Agr. Hist. Rev. 14(2):77-96. 1966. 30.98 Ag32
- 10514 FAMULARO, N. Snarls in the comb: the tax on land transfers. (It) Bonifica Integrale 20(6): 282-283. June 1966. 55.9 As72
- 10515 GALAMINI, L. Very serious attempt against the rights of property. (It) Rass. Agr. Ital. 21(5):7-8. May 1966. 281.8 R18
Bill on emphyteusis and perpetual land grants.

- 10516 GABRIEL, B. Brief view of legislation and regulation of mountain pastures in Switzerland. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15: 129-144. 1964/65, pub. 1966. 281.9 Ec7
Tenure and management.
- 10517 HANEBOG, C. The land inheritance law—should it be repealed or revised? (No) Ny Jord 53(4):117-128. Aug. 1966. 282.28 N98
- 10519 HODSON, R. C., and SULLIVAN, G. D. Should a farmer buy or lease land? La. Rural Econ. 28(4):11-16. Nov. 1966. 281.8 L93
- 10519 JACOBY, E. H. Objectives of the World Conference on Agrarian Reform 1966. (Sp) Ext. Amer. 11(2):10-15. 1966. 275.249 Ex8
- 10520 KEHOE, E. The sportsman's stake in agricultural conservation. U. S. Agr. Stat. Conserv. Serv. (Rep. State ASCS Conf. Vermont) 1966: 15-16. A281.9 V59
Agricultural Conservation Program in Vermont, and hunting rights.
- 10521 LIGUTTI, L. G. Land policy of the Holy See. Amer. J. Econ. Sociol. 25(4):337-348. Oct. 1966. 280.8 Am393
History of tenure policy.
- 10522 MARIANI, C. After sentence No. 30 of the Constitutional Court, there is need to review the proposed law No. 3689. (It) Rass. Agr. Ital. 21(5):10-12. May 1966. 281.8 R18
Emphyteusis.
- 10523 MARTIN, J. M. Landownership and the land tax returns. Agr. Hist. Rev. 14(2):96-103. 1966. 30.98 Ag82
Great Britain.
- 10524 MCCORD, J. H. Planning the transfer of the family farm to the succeeding generations. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):82-87. Oct. 1966. 281.8 Am32
- 10525 SAARINEN, O. The implementation and results of the Land Acquisition Act. Asutustoin. Aikakauskirja 19(2):16-19. 1966. 282.29 F49J
In Finland.
- 10526 SCOTLAND, LAND COURT. Report as to proceedings, 1st January, 1964, to 31st December, 1964. Edinburgh, 1965. 26 p. (Cmd. 2687) 282.9 Sc08
- 10527 SUND, M. Land tenure and economic performance of agricultural establishments in northeast Brazil. Land Tenure Center. Res. Pap. 17, 42 p. Apr. 1965. HD107.L3
Abbreviated version of his thesis.
- 10529 SUOMINEN, A. Acquisition of land for the purposes of the Land Use Act. Asutustoin. Aikakauskirja 19(2):10-12. 1966. 282.29 F49J
In Finland.

Land Utilization

- 10529 ASSOCIATION SYLVO-PASTORALE TARNAISE. Limitation of reforestation and land reorganization in the Lacune mountains. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:333-336. 1964/65, pub. 1966. 281.9 Ec7
- 10530 CAPDEVILLE, and ROUGEAS, C. For a mountain statute: mountain zoning. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:347-349. 1964/65, pub. 1966. 281.9 Ec7
- 10531 CATHARY, M. For a mountain statute: land and structural adaptation of pasture. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:341-346. 1964/65, pub. 1966. 281.9 Ec7
Slowing of the rural exodus and increased beef production.
- 10532 CENTRE DES JEUNES AGRICULTEURS DU PLATEAU DE VILLARD-DE-LANS. Setting up of an agriculture-tourism pilot zone on the Vercors-Nord plateau. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:155-172. 1964/65, pub. 1966. 281.9 Ec7
- 10533 CENTRE DES JEUNES AGRICULTEURS DU PLATEAU DE VILLARD-DE-LANS. Enquiry on the possibilities of tourism in mountain agriculture. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:173-195. 1964/65, pub. 1966. 281.9 Ec7
- 10534 CENTRE DES JEUNES AGRICULTEURS DU PLATEAU DE VILLARD-DE-LANS. Project for a center for educating for the tourist trade. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15: 197-205. 1964/65, pub. 1966. 281.9 Ec7
- 10535 CHARBONNIER, E. The vacation village of Praz-sur-Arly. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:478-480. 1964/65, pub. 1966. 281.9 Ec7
For family vacations.
- 10536 CLAWSON, M. Recent efforts to improve land use information. Amer. Statist. Ass. J. 61(315):647-657. Sept. 1966. 251 Am3
- 10537 COLLINS, W. G. Aerial photography applied to tropical land use. Chartered Survey, 99(5): 253-259, map. Nov. 1966. 325.8 C38
- 10539 CUEMAN, E. R. Conservation district zoning. J. Soil Water Conserv. 21(5):179-180. Sept./Oct. 1966. 56.8 J822
- 10539 FEL, A. Zoning of mountain regions. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:65-68. 1964/65, pub. 1966. 281.9 Ec7
- 10540 FRANCE, DIRECTION DE LA DOCUMENTATION. Le developpement regional en Grande-Bretagne [Regional development in Great Britain]. France. Dir. Doc. Notes Etudes Doc. 3319, 27 p. Ref. Sept. 19, 1966. 280.9 F843
Town and country planning included.
- 10541 GADANT, J. Land planning and reforestation. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:253-272. 1964/65, pub. 1966. 281.9 Ec7
- 10542 GADANT, M. New proposals: summary report. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:48-64. 1964/65, pub. 1966. 281.9 Ec7
Mountain land use and social and financial aid.
- 10543 GARAVEL, L., and GUILLERMIN, A. An attempt to utilize the average cadastral revenue to characterize the regions weak in agriculture. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15: 121-124. 1964/65, pub. 1966. 281.9 Ec7
- 10544 GUMET, L. For efficient management of the pastoral sector. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:125-128. 1964/65, pub. 1966. 281.9 Ec7
Land use.
- 10545 HAUTE SAVOIE, DIRECTION DES SERV. AGRICOLES. Method of approaching the problems of restructuring the farms of two mountain communities: Samoens and Sixt. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:455-456. 1964/65, pub. 1966. 281.9 Ec7
Land use and agricultural policy.
- 10546 LEOPOLD, L. B. Comprehensive planning and the dragon to slay. Sierra Club Bull. 50(6):2-6. June 1965. 500 Sa53
Multiple use of land; includes policies.
- 10547 MILLET, M. Projects of land and structural adaptation of the forest for its protection and use. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:337-339. 1964/65, pub. 1966. 281.9 Ec7
Land use and forestry policy.
- 10549 MONTGOMERY, R. H. Stoplight code for soil maps aids county and use planning. Soil Conserv. 32(4):83. Nov. 1966. 1.6 SoS3
Illinois.
- 10549 MOSS, L. I. A proposal for a southern Sierra national recreation area. Sierra Club Bull. 51 (1):4-6. Jan. 1966. 500 Sa53
- 10550 MUNN, L. C., MCCLELLAN, J. B., and PHILPOTTS, L. E. Airphoto interpretation and rural land-use mapping in Canada. Photogrammetria 21(3):65-76. June 1966. 325.28 P562
- 10551 NETBOY, A. Use of high country in Switzerland. Amer. Forests 72(10):6-7, 40, 42-43. Oct. 1966. 99.8 F762
Land recreational use.
- 10552 PARLIER, M. Tourist equipment of the three valleys: Courcheval (Saint-Bon)—Les Allues—Les Belleville. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:468-469. 1964/65, pub. 1966. 281.9 Ec7
- 10553 RAMUS, M. Agricultural activity in some Tarentaise tourist stations. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:463-464. 1964/65, pub. 1966. 281.9 Ec7
- 10554 SOCIÉTÉ POUR LA MISE EN VALEUR DE L'AUVERGNE ET DU LIMOUSIN. Arguments for land planning legislation. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:281-287. 1964/65, pub. 1966. 281.8 Ec7
Includes consolidation of holdings.

- 10555 SOCIETE POUR LA MISE EN VALEUR DE L'AUVERGNE ET DU LIMOUSIN. Proposed analytical method of land classification. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:273-279. 1964/65, pub. 1966. 281.9 Ec7

- 10556 SOCIETE POUR LA MISE EN VALEUR DE L'AUVERGNE ET DU LIMOUSIN. Research on a method of land planning adapted to mountain zones of the central mountain group. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:289-301. 1964/65, pub. 1966. 281.9 Ec7

- 10557 SOCIETE POUR LA MISE EN VALEUR DE L'AUVERGNE ET DU LIMOUSIN. Rural zoning and land use in the central mountain group take the risk of being insufficient without special measures orienting agricultural production. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:303-306. 1964/65, pub. 1966. 281.9 Ec7

- 10558 SOCIETE POUR LA MISE EN VALEUR DE L'AUVERGNE ET DU LIMOUSIN. Summer pastures of the Dore and Cantal central mountain group; sketch of a land use policy in favor of agriculture in mountain and valley zones. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.)15:307-318, map. 1964/65, pub. 1966. 281.9 Ec7

- 10559 SRIDAS, S. Interpretation and mapping of rural land use from air photographs in Ceylon. Photogrammetria 21(3):77-82. June 1966. 325.28 P662

- 10560 STOEVENER, H. H. Some economic aspects of agricultural zoning and farmland taxation. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):104-108. Oct. 1966. 281.8 Am32

- 10561 VALEIX, J. C. Tourism and rural mountain life. (Fr) Organ. Gestion Entrep. Agr. 31 (Etude 312), 10 p. Jan./Feb. 1966. 281.8 Or33

Land Values and Valuation

- 10562 GALAMINI, L. In contempt of the declaration of the Constitutional Court the Parliament has approved the law on emphyteusis. (It) Rass. Agr. Ital. 21(8/9):15-16. Aug./Sept. 1966. 281.8 R16

- 10563 LEATHES, T. R. Valuation for rent of stock rearing farms. Chartered Land Agents' Soc. J. 65(10):400-410. Oct. 1966. 282.9 L22

- 10564 SCOFIELD, W. H. Land, our mixed blessing; value makes it a costly necessity. Agr. Situation [Washington] 50(8):1-2. Aug. 1966. 1 Ec7Ag

- 10565 SEVENSTER, S. Again: the value-fixed canon. (Du) Landbouwkundig Tijdschr. 78(9):323. Sept. 1966. 105.2 Or3

Reply to article by J. Horring; includes the author's rejoinder.

Land prices and rent.

- 10566 YEAGER, J. H. The farm real estate market. Highlights Agr. Res. [Ala. Sta.] 13(2):7. Summer 1966. 100 ALIH

POPULATION

- 10567 BAALI, F. Social factors in Iraqi rural-urban migration. Amer. J. Econ. Sociol. 25(4):359-364. Oct. 1966. 280.8 Am393

- 10568 BLACK, T. R., and TARVER, J. D. Age and sex population projections of Utah counties. Utah. Agr. Exp. Sta. Bull. 457, 75 p. Ref. Dec. 1965. 100 Ut1

- 10569 CHRISTENSEN, R. P. Population growth and agricultural development. Agr. Econ. Res. 18 (4):119-128. Ref. Oct. 1966. 1 Ec7Agr

- 10570 FLINN, W. L. Rural to urban migration: a Colombian case. Wis. Univ. Land Tenure Center. Res. Pap. 19, 42 p. July 1966. HD107.L3 Bibliography, p.38-42.

- 10571 THANAWALLA, Y., PAIGE, C., and BEEGLE, A. Residential differentials in fertility. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):529-537, map. May 1966. 100 M58S
Population statistics.

RURAL SOCIAL ORGANIZATION

- 10572 HOLDEN, D. E. W. The scientific method in social sciences. (Sp) Ext. Amer. 11(2):3-6. 1966. 275.249 Ex8

- 10573 PENNSYLVANIA. DEPT. OF PUBLIC WELFARE. Public assistance allowances compared with the cost of living at a minimum standard of health and decency. n.p., 1966. 31 p., map. 284.49 P38

Human Ecology

- 10574 BOESLER, F. Theory and practice of regional planning. (Ge) Raumforsch. Raumordnung 24 (4):145-155. Sept. 1966. 282.9 R19

- 10575 BOR, W. Trends in city planning. Chartered Surv. 99(5):233-240, map. Ref. Nov. 1966. 325.8 C38

Includes regional aspects.

- 10576 CHAPMAN, M. New towns in New Zealand; review and research problems. New Zeal. Geogr. 22(1):35-54. Ref. Apr. 1966. 331.8 N48

- 10577 CRANGLE, C. L. What kind of planning for your community? N. Y. State Planning News 30(4):1,8,11. July/Aug. 1966. 280.7 N481

- 10578 CZINKI, L., and ZUHLKE, W. Recreation and regional planning. (Ge) Raumforsch. Raumordnung 24(4):155-164, map. Ref. Sept. 1966. 282.9 R19

- 10579 DIFFIGOS, J. S. Putting the planning jigsaw together; the part of the town supervisor. N. Y. State Planning News 30(4):1,9,12. July/Aug. 1966. 280.7 N481

- 10580 GALLIN, B. Hsin-hsing, Taiwan; a Chinese village in change. Berkeley, University of California Press, 1965. 324 p., map. HT431.G3 Bibliography, p.313-317.

- 10581 IBRAHIM, A. A. Change in present settlements in the U.A.R. Mediterranean 11:189-198. July/Sept. 1966. 281.8 M462

- 10582 U. S. TENNESSEE VALLEY AUTHORITY. A bibliography for the TVA program. Knoxville, 1966. 73 p. 173.2 T25Tb

- 10583 YALAN, E. Regional significance of diverse patterns of agricultural settlements. Mediterranean 11:179-188. Ref. July/Sept. 1966. 281.8 M462
Israel.

Institutions

- 10584 ADAMS, V. You'll find the Clarke County (Georgia) Extension staff where the action is—they're part of it. Ext. Serv. Rev. 37(9):3,15. Sept. 1966. 1 Ex892Ex

- 10585 ASSOCIATION OF RESEARCH LIBRARIES. Minutes of the sixty-eighth meeting, July 9, 1966, New York City. Washington, D. C., 1966. 85 p. 243.9 As75

Appendix D is a report on the U. S. National Agricultural Library.

- 10586 BINKLEY, W. C. It pays to know your business. Ext. Serv. Rev. 37(9):4-5. Sept. 1966. 1 Ex892Ex

Extension program in Kentucky.

- 10587 BISZTRAY, A. Activity of libraries of higher agricultural professional schools according to reports of 1965. (Hu) Mezogazdasági Könyvtárosok Tájékoztatója 2:6-10. 1966. 243.8 M57

- 10588 BOLGER, F. J. Rural studies; a guide for teachers and students. London, Allman, 1965. 365 p. Ref. S535.G7B6

- 10589 BRAND, J. Writing for "poor folks." Ext. Serv. Rev. 37(9):10-11. Sept. 1966. 1 Ex892Ex

- 10590 CARPENTER, D. Rural industries: practical preservationists. Statist 190(4626):1110-1111. Nov. 4, 1966. 286.8 S12

- 10591 DATER, J. L. County agents face new challenge. Agr. Chem. 21(9):22-24. Sept. 1966. 381 Ag8

- 10592 DEBRECZY, B. Record keeping and accounting system in the National Agricultural Library. (Hu) Mezogazdasági Könyvtárosok Tájékoztatója 3:1-10. 1966. 243.8 M57

- 10593 DIAZ BORDENAVE, J. Communication in extension; contributions and problems. (Sp) Ext. Amer. 11(2):18-26. 1966. 275.249 Ex8

- 10594 DIETL, F. Findings of group teaching in the service of practical training work. (Ge) Forderungsdienst 13(spec.no.2):8-16. Sept. 1965. 19 F75
Youth in Austria.
- 10595 DORNIK, O. The use of chief official rural youth trainers within the framework of extra-curricular education. (Ge) Forderungsdienst 13(spec.no.2):17-20. Sept.1965. 19 F75
Austria.
- 10596 DOWE, T. W. Current events at the College of Agriculture. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:23-24. A281.9 V59
College of Agriculture and Home Economics at the University of Vermont.
- 10597 EDMISTER, F. C. Finding the potentials for rural recreation. Soil Conserv. 32(3):51,53-54. Oct.1966. 1,6 So3S
- 10599 FINK, K. Phases in the development of rural youth from puberty to intellectual maturity. (Ge) Forderungsdienst 13(spec.no.2):4-7. Sept. 1965. 19 F75
Education in Austria.
- 10599 FREEMAN, O. L. USDA's rural industrialization program. Rural Elec. 24,i.e.25(2):30-31. Nov.1966. 335.8 N21
- 10630 GERGELY, A. On the activity of agricultural and other institutional libraries. (Hu) Mezőgazdasági Könyvtarok Tájékoztatója 2: 1-5. 1966. 243.8 M57
- 10631 HAGE, K. Function and organization of agricultural schools and extension. (Ge) Diplom-landwirt 16(7):185-188. July 1966. 18 D62
- 10602 HAWAII UNIVERSITY. Kasetsart/Hawaii University contract, Kasetsart University, Bangkok, Thailand, terminal report. Bangkok, 1965. 311 p. S539.75H3
In cooperation with the Agency for International Development, United States Operations Mission to Thailand.
- 10603 HERMANT, M. A first experience; the recreation hall. (Fr) Cah. Franc. Doc. Actualite 112:26-29. July/Aug. 1966. 286.8 C113
Exhibit at the Paris Fair.
- 10604 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. Financial report for the year ended June 30th, 1966. Ames, 1966. 135 p. 276 I9F
Includes colleges dealing with agricultural education.
- 10605 JONES, W. E. The N.A.A.S. [National Agricultural Advisory Service], 1946-65. Roy. Agr. Soc. Eng. J. 126:83-85. 1965. 10 R81
- 10606 JONGE, J. DE., KONING, J. DE., and VERMAAT, J. A. An experimental extension investigation. (Du) Landbouwkundig Tijdschr. 78(7):261-266. July 1966. 105.2 Or3
- 10607 KNABE, H. New ways of improving health on the land. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:409-412. 1966. 280.29 D482
- 10609 LIEBENBERG, O. Improving the system of further educating the agricultural university and professional school cadres. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.: 440-443. 1966. 280.29 D482
With particular reference to the work of the German Association of Agricultural Sciences (Deutsche Agrarwissenschaftliche Gesellschaft).
- 10609 MARZI, G. DE. The participation of the Ministry of Agriculture and Forests in national and international shows with materials of the Institute of Agricultural Technique and Publicity [Istituto di Tecnica e Propaganda Agraria]. (It) Agricoltura 15(2):71-90. Feb.1966. 16 Ag8226
- 10610 MCCURKIN, W. D. Dimensions of the problems of rural education in the South. Agr. Policy Rev. 6(3):14-15. July/Sept.1966. 281.28 Ag82
- 10611 MCKAY, G. R. Audio-visual aids and AAACE. ACE (Amer. Ass. Agr. Coll. Editors) 49(1):5-6. July/Aug.1966. 238 Am33A
In agricultural communications.
- 10612 MOTHES, E. Urania helps in education. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:460-462. 1966. 280.29 D482
- 10613 PAARLBERG, D. The future belongs to those who prepare for it. Nat. Inst. Anim. Agr. Proc., 15th Conf.:119-124. 1965. 49.9 N219
Public relations in agriculture.
- 10614 PETERSON, T. Changes ahead in the print media; implications for educational communication. ACE (Amer. Ass. Agr. Coll. Editors) 49(1):11-14. July/Aug.1966. 238 Am33A
- 10615 PROKOP, P. Competition in rural youth work. (Ge) Forderungsdienst 13(spec.no.2):21-26. Sept.1965. 19 F75
Education in Austria.
- 10616 QUACKENBUSH, F. W. So you have to write a paper? Ass. Offic. Anal. Chem. J. 49(1):100-103. Feb.1966. 381 As7
- 10617 SCHILLER, O. The graduate farmer in foreign service. (Ge) Diplomlandwirt 16(10):241-242. Oct.1966. 18 D62
In technical assistance programs.
- 10619 SEEDORF, W. The recovery requirements in publicity for German agriculture. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1404-1405. Sept.15,1966. 18 N39
Includes advertising.
- 10619 SEMINAR FÜR DIE MÄNNLICHEN LANDJUGENDBETREUER, VIENNA, 1965. [Proceedings of the Seminar for Training of Male Youth]. (Ge) Forderungsdienst 13(spec.no.2), 35 p. Sept.1965. 19 F75
- 10620 SHEARIN, M. Revival of crafts in North Carolina. N. C. Univ. Ext. Home Econ. 36,19 p. Ref. Aug.1966. 275.29 N811Hom
- 10621 TWARDZIK, L. F. Local environment for recreation. Soil Conserv. 32(3):63-64. Oct.1966. 1,6 So3S
- 10622 TWUM-BARIMA, K. The role of the university in rural extension. Ghana Farmer 9(3):89-90. 99. Aug.1965. 24 G564
Chiefly Ghana.
- 10623 U. S. FARMERS HOME ADMIN. Handbook of outdoor recreation enterprises in rural areas, by R. S. Crites. Washington, 1966. 122 p. Ref. AGV53.F3
- 10624 U. S. OFF. OF EDUCATION. Selected statistics of State universities and land-grant colleges, 1965. Washington, 1965. 11 p. LB282.U5
- 10625 WARFIELD, S. Districts put recreation inventory to good use. Soil Conserv. 32(3):55-56. Oct.1966. 1,6 So3S
Mississippi.
- 10626 WEHLAND, W. Agricultural periodicals and decision making of farmers. (Ge) Diplomlandwirt 16(10):243-244. Oct.1966. 18 D62
- 10627 WEITBRECHT, W. Improvement of health protection in agriculture. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:513-516. 1966. 280.29 D482
- 10629 WELLEN, J. W. The function of the Agricultural Magazine [Landbouwkundig Tijdschrift]. (Du) Landbouwkundig Tijdschr. 78(1):1. Jan. 1966. 105.2 Or3
- 10629 WILLIAMS, D. A. SCS [Soil Conservation Service] responsibility in outdoor recreation. Soil Conserv. 32(3):71. Oct.1966. 1,6 So3S
- 10630 WILSON, R. C. Small watershed lakes meet recreation demand. Soil Conserv. 32(3):59-62. Oct.1966. 1,6 So3S
- 10631 ZUHLKE, D. F. Science, extension, and practice in the U.S.A. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1402-1404. Sept.15,1966. 18 N39

Rural Organizations and Movements

- CLABUESCH, E. J. Camp Kett, year-round center for Michigan 4-H'ers. Banking 59(5): 86-87. Nov.1966. 284.8 Am3
- 10633 COX, R. C. The Nevada 4-H program; youth phase of the Cooperative Extension Service. Nev. Ranch Home Rev. 3(7):12-13. Fall 1966. 60.18 Sci2
- 10634 JAMAICA AGRICULTURAL SOCIETY. Annual report, 1965/66. Farmer [Kingston] 76(5/6): 97-111,114-126,128-129. May/June 1966. 8 J223

- 10635 MARYLAND AGRICULTURAL SOCIETY. Report for the year 1965, edited by E. R. Lusby and G. M. Cairns. Baltimore, 1966. 44 p. 4 M366
Includes report of the Maryland Farm Bureau and affiliated organizations.
- 10636 NATIONAL 4-H CLUB FOUNDATION. Progress report for 1965. Washington, D. C., 1966. 24 p. 275.29 N218A
- 10637 OWEN, L. D. Farm and Ranch Youth Center. Ark. Cattle Bus. 2(1):10-11. Nov. 1966. 43.8 Ar43
For 4-H Club and Future Farmers of America members throughout Arkansas.
- 10639 NEDERLANDSCHE HEIDEMAATSCHAPPIJ. Jaarverslag [Annual report], No. 34, 1965. Arnhem, 1966. 59 p., map. 12 N282M
- 10639 THE NEW YORK FARMERS. Proceedings. New York City, 1959-1966. New York, 1966. 521 p. 4 N48P
- 10640 ROYAL AGRICULTURAL SOCIETY OF NEW ZEALAND. The annual report, statement of accounts and balance sheet for the year ended 31st March, 1965. Roy. Agr. Soc. New Zeal. Gaz. 100,39 p. May 1965. 23 R813G
- 10641 SOCIEDAD RURAL ARGENTINA. Memoria [Report], Volume 100, 1965/66. Buenos Aires, 1966. 113 p. (Anales de la Sociedad Rural Argentina, Anexo) 9 So1M

Cooperative Organizations

- 10642 AMERICAN INSTITUTE OF COOPERATION. [38th annual meeting, Colorado State University, July 31-August 3, 1966]. News Farmer Coop. 33(9,i.e.8):1-25. Nov. 1966. 166.2 N47
Summaries of papers.
- 10643 ANNUAIRE de la cooperation [Cooperation yearbook], 1966. Paris, 1966. 425 p. 280.28 An7
Directory.
- 10644 CONSOLIDATED BADGER COOPERATIVE. 35th annual report, 1965. Shawano, Wisconsin, 1966. 15 p., map. 280.2449 C76
- 10645 HOLDER, J. R. Cooperative business size increases. News Farmer Coop. 33(9,i.e.8):26-28. Nov. 1966. 166.2 N47
- 10646 KNAPP, J. G., and others. Can cooperatives meet the challenge? U. S. Farmer Coop. Serv. Inform. 53,34 p. July 1966. A280.29 F221
M. A. Abrahamsen, J. K. Savage, and H. J. Preston, joint authors.
- 10647 MANITOBA, DEPT. OF AGRICULTURE AND CONSERVATION. CO-OPERATIVE AND CREDIT UNION SERV. BR. Eighteenth annual report, co-operation in Manitoba, 1966. Winnipeg, 1966. 8 p. 280.29 M31
- 10648 ROLLEFSON, A. M. Denmark's cooperatives: After the first 100 years. Foreign Agr. Incl. Foreign Crops Markets 4(42):6-8. Oct. 17, 1966. A281.9 F76Fo
- 10649 SOPASAKES, E. Weaknesses of farm cooperatives. (Gre) Delt. Agrotikes Trapezes 147:17-18. Nov./Dec. 1965. 21,7 D38

RURAL SOCIAL PSYCHOLOGY

- 10650 ARROYO, R. Estudio sobre el proceso de difusión y adopción de tres prácticas mejoradoras del cultivo de maíz, híbridos, herbicidas y vicia como abono verde en "Manuel Ocampo" Pergamino [Study on the process of diffusion and adoption of three improved practices in corn culture: hybrids, herbicides and vetch as green manure in "Manuel Ocampo." Pergamino]. Pergamino. Estac. Exp. Agropecuar. Bol. Divulg. 38,100, map. 1966. 102.5 P413B
- 10651 DUNKLEBERGER, J. E., and MOORE, J. P. Barriers to increased hog production. Highlights Agr. Res. [Ala. Sta.] 13(3):14. Fall 1966. 100 AL1H
Farmers' attitudes.

- 10652 FREDRICKSON, C. D. Employment of mothers and its effect in problem and problem-solving families in northern Utah, 1960-1961. Utah. Agr. Exp. Sta. Bull. 460,51 p. Ref. July 1966. 100 U11
- 10653 SINGH, S. N., and REDDY, S. K. Adoption of improved farm practices as related to sources of information. Indian J. Agron. 10(1):100-107. Mar. 1965. 22 In235

TRADE, FOREIGN AND INTERNATIONAL

- 10654 ABAYASEKARA, H. E. R. Ceylon: more food imports. Far East. Econ. Rev. 54(6):346,349. Nov. 10, 1966. 280.8 F223
- 10655 AFGHANISTAN. STATISTICAL DEPT. Exports of merchandise from Afghanistan, calendar year 1343 (March 21, 1964-March 20, 1965). Kabul, 1966. various paging. 269.8 AF32
Text also in Persian.
- 10656 ALBERTARIO, P. Foreign trade in agricultural products. (It) G. Agr. 76(39):411. Sept. 25, 1966. 16 It1G
- 10657 ALZINA CAULES, J. Foreign trade in connection with production and consumption. (Sp) Caud. Inform. Econ. Sociol. 17/18:31-68. June/Dec. 1965. 280.8 C893
- 10659 BARLOW, F. D. International grain trade trends and food aid programs; talk prepared for the Kansas Grain & Feed Dealers Association Convention, Wichita, Kansas, April 29, 1966. Washington, U. S. D. A. Economic Research Service, 1966. 21 p. aHD9030.5B3
- 10659 BAROCAS, S. Prospects for an increase in Italian wine exports. (It) Agr. Venezie 20(7/8):358-373. July/Aug. 1966. 16 Ag826
- 10660 BHAGWAN, H. Standards pave way for export expansion. Tobacco [New York] 163(21):15,34. Nov. 18, 1966. 286.89 T552
India.
- 10661 BIRJIS, MRS. Trends of region-wise and commodity-wise imports and exports of Pakistan. Trade Indus. 10(7):619-621. July 1966. 286.8 T674
- 10662 BOJTE, I. Problems of competitiveness of canning products for exporting. (Hu) Elemelnesi Ipar 20(8):248-252. Aug. 1966. 290.9 M57
English summary.
Food quality.
- 10663 COLOMBIA. DEPT. ADMIN. NACIONAL DE ESTADISTICA. Anuario de comercio exterior, Colombia-1964 [Foreign trade annual, Colombia-1964]. Bogota, 1966. 852 p. 255.5 C712
- 10664 COMMENTS ON ARGENTINE TRADE. Special statistical number 1966. Comments Argent. Trade 46(2), 102 p. Sept. 1966. 287 C359C
- 10665 CONTRACTING PARTIES TO THE GENERAL AGREEMENT ON TARIFFS AND TRADE. International trade 1965. Geneva, 1966. 270 p. 286.9 C767
- 10666 ECONOMIST INTELLIGENCE UNIT. The UK market for certain US agricultural products. London, 1965. 77 p. HD9011.4.E3
- 10667 ECUADOR. MINISTERIO DE AGRICULTURA Y GANADERIA. Informe presentado a la H. Junta Militar de Gobierno y al Gabinete Ministerial, en torno al problema que confronta el banano ecuatoriano en los mercados de consumo exterior [Report to the Governing Military Junta and to the Cabinet of Ministers on problems confronting bananas from Ecuador on foreign markets], by E. Carrion Toral. Guayaquil, 1965. 9 p. 93.42 C23
- 10668 FIGUERAS PRATS, J. Bulgaria exports royal jelly and bee venom. (Sp) Cult. Mod. 49(7):260-262. July 1966. 15 C39
- 10669 FINLAND. STATISTIKA CENTRALBYRAN. Ulkomaankauppa, Vuosijulkaisu. Osai. Foreign trade. Volume I. 1964. Helsinki, 1966. 568 p. (Suomen Virallinen Tilasto I A:84) 267.5 B47H
Text also in English and Swedish.

- 10670 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Statistiques du commerce exterieur de la France; regimes economiques. Tome 1, Admissions temporaires, exportations temporaires, annee 1964 [Statistics of the foreign trade of France; economic systems. Volume 1, Provisional imports, provisional exports, year 1964]. Paris, 1965. 172 p. HF193.A3
- 10671 FREEMAN, O. L. Review of the U.S. wheat situation. Washington, U.S.D.A., Office Secretary, 1966. 13 p. aHD9049.W5U5
Chiefly trade; includes statistics.
- 10672 FROSTER, G. Sweden's foreign trade in food-stuffs in 1965. (Sw) Jordbruksekön. Medd. 28 (9):215-235. Sept. 1966. 257.3 J76
English summary, p.214.
- 10673 GRADY, J. C. U. S. farm exports—a bright spot. Fed. Reserve Bank Dallas. Bus. Rev., Oct. 1966:9-13. 284.8 F31D
- 10674 GROW, H. E. The Japanese market development project. Soybean Dig. 26(12):63-65. Dec. 1966. 60.38 So9
U. S. trade promotion for soybeans and soybean products.
- 10675 GULDON, Z. Timber and potash trade at the end of XVIIIth century. (Pol) Sylwan 109(6):27-36. Ref. 1965. 99.8 Sy52
- 10676 HUDSON, J. F. How the new EEC [European Economic Community] farm decisions may affect U.S. exports. Foreign Agr. Incl. Foreign Crops Markets 4(43):3-5. Oct.24, 1966. A281.9 F76Fo
- 10677 IRELAND. CENTRAL STATISTICS OFF. A review of external trade in 1964. n.p., 1965. 18 p. 256.12 Ir22R
- 10678 KIGER, H. C. Quality improvement program pays off for U.S. tobacco exports. Foreign Agr. Incl. Foreign Crops Markets 4(42):11. Oct.17, 1966. A281.9 F76Fo
- 10679 LITWINOWICZ, J. Cured meat products in the international meat trade. (Pol) Gosp. Miesna 18(5):17-19. May 1966. 50.8 G69
- 10680 LUDOWYKE, A. Ceylon's trade with Iraq. Ceylon Trade J. 31(5/6):85-86. May/June 1966. 286.8 C333
- 10681 MALAYSIA. DEPT. OF STATISTICS. States of Malaya annual statistics of external trade 1965 with comparative figures for 1964. Vol. I-II. Kuala Lumpur, 1966. 2 v. 269.6 M294A
- 10682 MERCURIALI, G. The commercial balance of the sixties. (It) Esso Agr. 15(3):16-17. June 1, 1966. 58.8 Es7
Import-export of agricultural products.
- 10683 MINER, W. M., and FILLMORE, B. M. Britain buys Canadian farm products. Foreign Trade 126(6):29-32. Sept.17, 1966. 286.8 C162
- 10684 MIRCHANDANI, R. T. Grading and standardization—a spur to trade. Tobacco [New York] 163(21):23-24. Nov.18, 1966. 286.89 T552
India.
- 10685 NORGES EKSPORTRAD. Norge på verdensmarkedet [Norway in the world market]. 1966/67. No. 6. Oslo, 1966. 286.8 N76
- 10686 ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Bois tropicaux. Tropical timber. 1962-1963. Paris, 1965. 177 p. 99.9 Or372S
Text also in English.
Trade statistics of member states, chiefly.
- 10687 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Trade by commodities, detailed analysis by products, exports, Jan.-Dec. 1965. Paris, 1966. 681 p. (Series C) 286.9 Or320C
Text also in French.
- 10688 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Trade by commodities, detailed analysis by products, imports, Jan.-Dec. 1965. Paris, 1966. 483 p. (Series C) 286.9 Or320C
Text also in French.
- 10689 PARSONS, N. What Canada and Sweden trade. Foreign Trade 126(10):7-10. Nov.12, 1966. 286.8 C162
Includes agricultural products.
- 10690 PATEL, M. S. Tobacco export: a steady increase. Tobacco [New York] 163(21):12-14. 29. Nov.18, 1966. 286.89 T552
India.
- 10691 PEIRIS, L. E. A. Ceylon's trade with Australia. Ceylon Trade J. 31(5/6):80-84. May/June 1966. 286.8 C333
- 10692 PERSSON, N. E. Swedish imports of fruit, 1963-65. (Sw) Fruktodlaren 37(4):93. May 1966. 86 Sv2F
- 10693 POCHKANOV, YA. Tobacco trade during monarchy and fascist regime in Bulgaria. (Bu) Bulg. Tyutyun 7:42-44. 1965. 69.8 B872
- 10694 POGELE, G. H. The Soybean Council [of America] and today's market needs. Soybean Dig. 26(12):75-77. Sept. 1966. 60.38 So9
Activity in generating markets abroad, promotional programs and technical assistance in the developing countries.
- 10695 POUNCILIT, E. The role of trade with developing countries. OECD (Organ. Econ. Co-op. Develop.) Observ. Sept. 1966:46-52. 280.8 Oe2
- 10696 PORTUGAL. INSTITUTO NACIONAL DE ESTADISTICA. Comercio externo. Volume II. Comercio por países e mercadorias [Foreign trade. Volume II. Trade by countries and commodities]. Lisboa, 1966. 512 p. 264 F492
- 10697 RAO, P. S. Tobacco Export Council celebrates anniversary. Tobacco [New York] 163(21):30-31. 38. Nov.18, 1966. 286.89 T552
- 10698 REGISTER, D. W., and others. With income and population rising EEC [European Economic Community] is buying more and more meat. Agr. Situation [Washington] 50(8):12. Aug. 1966. 1 Ec7Ag
Trade.
- 10699 SABAH. DEPT. OF STATISTICS. Statistics of external trade, January to December 1965. Jesselton, 1966. 314 p. 272 B64
- 10700 ST. LUCIA. STATISTICAL UNIT. Overseas trade of St. Lucia, 1961. Castries, 1965. 149 p. HF157.S2A3
- 10701 SINGAPORE. MINISTRY OF FINANCE. TRADE DIV. Annual report, 1964. Singapore, 1966. 30 p. 296.6 Si63
- 10702 SIVETZ, M. Export of solubles from Brazil to U.S. Tea Coffee Trade J. 131(3):16,27-28. Sept. 1966. 68.8 T22
- 10703 SOCIETE COMMERCIALE ANVERSOISE ET SOCIETE BELGE D'EXTREME-ORIENT REUNIES (SOCOMABEL). Tropical produce market review 1965, 38th issue. Antwerp, 1966. 224 p., map. 270 So1
Congo and world trade.
- 10704 SPAIN and the EEC. Int. Fruit World 25(2):271-273, 275-276, 279, 281-282, 285. Summer 1966. 286.83 F9426
Text also in French and Spanish.
- 10705 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Foreign trade, analytical tables; Imports January/December 1965. Brussels, 1966. 420 p. 286.9 Si25
Contents and table headings in German, French, Italian, Dutch, and English.
- 10706 STEIN, E. Cacao, cacao products, and confectionery in the foreign trade of the Federal German Republic. (Ge) Rev. Int. Choc. 21(9):446-450. Sept. 1966. 68.38 R32
- 10707 STEIN, E. Cacao, chocolate and confectionery in the foreign trade of Switzerland. (Ge) Rev. Int. Choc. 21(9):443-445. Sept. 1966. 68.38 R32
- 10708 SWEDEN. STATISTISKA CENTRALBYRAN. Utläskeshandel, 1965. I. Sveriges införsel och utförsel fördelade på varor och länder [Foreign trade, 1965. I. Sweden's imports and exports by commodities and countries]. Stockholm, 1966. 612 p. 257.3 Si2Ha
Table of contents and table headings also in English.
- 10709 U. S. BUSINESS AND DEFENSE SERV. ADMIN. United States lumber exports 1965. Washington, 1966. 11 p. 157.32 Un32
- 10710 VERGARA, N. T. The proposed ban on log export. Lumberman [Manila] 12(3):8,10. Apr./May 1966. 99.81 L9793

- 10711 WIJEYARATNA, N. L. Ceylon's trade with the U.S.A. Ceylon Trade J. 31(5/6):89-93. May/June 1966. 286,8 C333
- 10712 WILLEKE, J. The development of German mushroom production and mushroom imports. (Ge) Champignon 6(57):5-13. May 1966. 80 C352
Trade and statistics.
- 10713 WINNIGSTEDT. Import and export of live cattle and beef. (Ge) Tierzuchter 18(14):492-493. July 20, 1966. 49 T445
- 10714 WINTERTON, N. The 1965 importation. Brit. Goat Soc. Year Book 1966:30-33. 40.19 B77
Of Saanen and Toggenburg breeds from Switzerland.
- 10715 WIRTH, A. Unintelligible politics in apple imports? (Ge) Schweiz. Z. Obst- Weinbau 102(10):257-261. May 14, 1966. 80 Sch9

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 10716 BANTEGUI, B. G., and SUMAGUI, J. O. The food supply situation in the Philippines 1963-1964. Philippines, Nat. Econ. Council, Statist. Reporter 10(1):15-26. Jan./Mar. 1966. 273 N21S
- 10717 CANADIAN FOOD INDUSTRIES. 15th buyer's guide. Can. Food Indus. 37(10):101-148. Oct. 1966. 286.83 C166
Includes raw material sources.
- 10718 CHAPMAN, W. M. Resources of the ocean and their potentialities for man. Food Technol. 20 (7):45-48, 50-51. July 1966. 389.8 F7398
- 10719 CHRISTENSEN, R. P. Man's historic struggle for food. U. S. D. A. Yearbook Agr. 1966:2-15. 1 Ag84Y
Population and food supply.
- 10720 DALMASSO, G. War on hunger in the world. (It) Coll. G. Vinicolo Ital. 111(12):386-387. Dec. 1965. 16 C72
Program of the Food and Agricultural Organization of the United Nations.
- 10721 DUMITRESCU, R., and DRAGOL, I. Aspects of the production of agricultural products in state farms in the Bucharest area. (Rum) Rev. Gosp. Agr. Stat 18(5):6-8. May 1966. 21 R32
- 10722 EVANS, R. B. India's Maharashtra State tackles its food problem. Foreign Agr. Incl. Foreign Crops Markets 4(44):8-10. Oct. 31, 1966. A281.9 F76Fo
- 10723 FOOD IN CANADA. Food & beverage processors 1967 buyers' guide. Food Can. 26(10):35-148b. Oct. 1966. 389.8 F7323
- 10724 FREEMAN, O. L. The unfolding world food crisis. Limestone 3(9):16-17, 29-29A, 40-47. Fall 1966. 294.8 L62
- 10725 HORSFALL, J. G. Malthus thwarted—so far. Frontiers Plant Sci. [Conn. Sta.] 18(2):3, 8. May 1966. 100 F92
- 10726 KNAPP, J. B. The role of international agencies in aiding world food production. Nat. Acad. Sci. Proc. 56(2):315-321. Aug. 15, 1966. 500 N21P
- 10727 KOCH, R. M. ACP [Agricultural Conservation Program] and the world food crisis. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:25-26. A281.9 V59
- 10728 LARSEN, M. R. North Vietnam still unable to produce enough food. Foreign Agr. Incl. Foreign Crops Markets 4(41):5-6. Oct. 10, 1966. A281.9 F76Fo
- 10729 MAGYAR ELEMZESIPARI TUDOMANYS EGYESULET. Summary of lectures given on the 8th meeting [of the Hungarian Food Industry Scientific Associations]. (Hu) Elemzesi Ipar 20(8):230-239. Aug. 1966. 290.9 M57
- 10730 MERRILL, M. H. Directions of the U. S. Government in combating world malnutrition. Food Technol. 20(9):70. Sept. 1966. 383.8 F7398
- 10731 NASH, R. G., and CHENG, T. H. Research and development of food resources in Communist China. I. BioScience 15(10):643-656. Ref. Oct. 1965. 500 Am322A
- 10732 NICATI, L. Starch and fecula. (It) G. Agr. 76(40):426. Oct. 2, 1966. 16 I1IG
Policy in the European Economic Community.
- 10733 PARASHAR, R. K. Food policy in developing countries—some indispensable priorities. Agr. Situation India 21(1):11-17. Ref. Apr. 1966. 281.9 In23
- 10734 PLANTERS' ASSOCIATION OF CEYLON. Annual report and accounts for the year 1964. Colombo, 1965? 96 p. 22 P698
Data on tea, rubber and coconut industries.
- 10735 PLANTERS' ASSOCIATION OF CEYLON. Year book for the year ended April, 1965. Colombo, 1965. 195 p. 22 C33P
Largely tea, rubber, and coconut industries.
- 10736 REVELLE, R. Population and food supplies: the edge of the knife. Nat. Acad. Sci. Proc. 56(2):328-351. Aug. 15, 1966. 500 N21P

- 10737 SYMPOSIUM OF PROSPECTS OF THE WORLD FOOD SUPPLY, WASHINGTON, 1966. [Papers]. Nat. Acad. Sci. Proc. 56(2):305-388. Ref. Aug. 15, 1966. 500 N21P
- 10738 UNITED NATIONS. ADVISORY COMMITTEE ON THE APPLICATION OF SCIENCE AND TECHNOLOGY TO DEVELOPMENT. Third report, May 1966. New York, 1966. 124 p. (Economic and Social Council, Official Records: forty-first session, Supplement No. 12) 280.9 Un373
Includes a section on the provision of adequate food supplies.
Library has also second report, May 1965, 100 p. (Economic and Social Council, Official Records: thirty-ninth session, Supplement No. 14).
- 10739 WOOLLEN, A. Impressions of the Danish food industry. 1. Food Manufacture 41(10):37-40, 44. Oct. 1966. 389.8 F736
- 10740 WOOSTER, H. Whither information? Ass. Offic. Anal. Chem. J. 49(1):93-99. Feb. 1966. 381 As7
With relation to food and nutrition.
- 10741 ZOTOV, V. The growth in the production of food products during the new Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 131:13-20. Aug. 24, 1966. (JPRS 37,188; TT 66-33617) 173 J663Tro
Translation from Sovetskaya Torgovlya 6:5-8. June 1966.
Issued by CFSTI.

ANALYSIS AND COMPOSITION

- 10742 ACKERMANN, H. Enzymatic determination of organic phosphorus insecticides with thin layer chromatography. (Ge) Nahrung 10(3):273-274. 1966. 389.8 N142
Residues in food.
- 10743 AMERICAN ASSOCIATION OF ANALYTICAL CHEMISTS. Changes in official methods of analysis made at the seventy-ninth annual meeting, October 11-14, 1965. Ass. Offic. Anal. Chem. J. 49(1):206-250. Feb. 1966. 381 As7
- 10744 ANDERSON, R. J., ANDERSON, C. A., and OLSON, T. J. Residue determination: a gas-liquid chromatographic method for the determination of trichlorfon in plant and animal tissues. J. Agr. Food Chem. 14(5):508-512. Ref. Sept. 1966. 381 J8223
Insecticides.
- 10745 BACZYK, S. Influence of organic acids on the UV absorption curve of L-ascorbic acid. (Ge) Z. Lebensmittel-Untersuchung - Forsch. 131 (4):215-218. 1966. 384 Z39
- 10746 BAIER, R. E., and ZOBEL, C. R. Structure in protein films; myosin monolayers. Nature [London] 212(5060):351-352. Ref. Oct. 22, 1966. 472 N21
- 10747 BARAUD, J. Direct and indirect iodometry applied to the study of proteins. (Fr) Chim. Anal. 48(4):179-187. Ref. Apr. 1966. 383 An72
English summary.
- 10748 BARTLET, J. C. Report on metals and other elements in foods. Ass. Offic. Anal. Chem. J. 49(1):88-89. Feb. 1966. 381 As7
- 10749 BENNE, E. J. Report on plants. Ass. Offic. Anal. Chem. J. 49(1):41-43. Feb. 1966. 381 As7
- 10750 BERARDI, L. C., and others. Rapid reproducible procedure for wafers of dried foods, especially those of high fatty contents: a tool for colorimetry. Food Technol. 20(9):120-122. Ref. Sept. 1966. 389.8 F7398
W. H. Martinez, G. J. Boudreaux, and V. L. Frampton, joint authors.
- 10751 BLANC, B. Utilization of the data of immunochemistry in the food industry. (Fr) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(6):538-539. 1965. 389.9 Sw6

- 10752 BOWMAN, M. C., and BEROZA, M. Identification of compounds by extraction p-values using gas chromatography. *Anal. Chem.* 38(11): 1544-1546, Oct. 1966. 381 J825A
- 10753 DAGNEAUX, E. L. K. The application of the mold test according to the Commodity Law, (Du) Chem. Weekbl. 62(37):453-455, Sept. 16, 1966. 385 C42
Food products.
- 10754 DAVIDEK, J., JANICEK, G., and DAVIDKOVA, E. Separation of gallic acid and its esters with the aid of thin layer chromatography. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(1):29-32, Ref. 1966. 384 Z39
- 10755 DAVIDEK, J., KEDZIERSKA, A., and JANICEK, G. Polarographic determination of benzoic acid. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 129(6):370-373, 1966. 384 Z39
In foods.
- 10756 DIENER, U. L., and DAVIS, N. D. Aflatoxin—serious problem in seeds, feeds, and food crops. *Highlights Agr. Res.* [Ala. Sta.] 13(3): 16, Fall 1966. 100 AL1H
Caused by *Aspergillus flavus*.
- 10757 DITTRICH, H. H., and KERNER, E. On the fermentation-inhibiting effect of the alkyl ester of gallic acid. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 129(6):364-369, 1966. 384 Z39
Food chemistry.
- 10759 EISENBERG, W. V. Report on extraneous materials in foods and drugs. *Ass. Offic. Anal. Chem. J.* 49(1):82-83, Feb. 1966. 381 As7
- 10759 ENGST, R., KNOLL, R., and NICKEL, B. Thin layer chromatographic determination of DDT residues in plant foods. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(2):65-73, Ref. 1966. 384 Z39
- 10760 FREIXO, J. Action of cold in food preservation. (Por) *Conserv. Peixe* 21(246):29, (Cont.) Sept. 1966. 389, 8 C7692
Installment deals with food microorganisms.
- 10761 GARLANDA, T., and MASOERO, M. Migration of plastics components in food-simulating solvents. (It) *Chim. Indus. [Milano]* 48(9):936-943, Ref. Sept. 1966. 385 G43
English summary, p.2 of Summary of the Papers.
- 10762 GAUTIER, P., and CHAT, G. Recent developments in the mass chemical analysis of plant samples. (Fr) *Chim. Analyt.* 48(9):519-523, Sept. 1966. 383 An72
English summary.
- 10763 GEORGE, D. A., and others. Colorimetric determination of dimethoate residues in plants and milk. *J. Agr. Food Chem.* 14(4):371-374, July/Aug. 1966. 381 J8223
K. C. Walker, R. T. Murphy, and P. A. Giang, joint authors.
- 10764 GIUFFRIDA, L., IVES, N. F., and BOSTWICK, D. C. Gas chromatography of pesticides—improvements in the use of special ionization detection systems. *Ass. Offic. Anal. Chem. J.* 49(1):8-21, Ref. Feb. 1966. 381 As7
Organic phosphorus and chlorinated hydrocarbon insecticide residues.
- 10765 GOLDMAN, M., and others. X-ray emission spectrographic determination of thallium in biologic materials. *J. Agr. Food Chem.* 14(4): 367-369, July/Aug. 1966. 381 J8223
R. P. Anderson, J. P. Henry, and S. A. People, joint authors.
- 10766 GUDZINOWICZ, B. J., and IUCIANO, V. J. Analysis of organo-metallic fungicides and related compounds by atomic absorption spectroscopy. *Ass. Offic. Anal. Chem. J.* 49(1):1-8, Ref. Feb. 1966. 381 As7
Thiocarbamic acid derivatives on food crops.
- 10767 GUNTHER, F. A., HYLIN, J. W., and SPENGER, R. E. Background identification: nature of chlorine interferences in total halogen methods of analysis of organochlorine pesticide residues in plants. *J. Agr. Food Chem.* 14(5): 515-519, Ref. Sept./Oct. 1966. 381 J8223
- 10769 HARRIS, K. L. Report on analytical entomology of foods and drugs. *Ass. Offic. Anal. Chem. J.* 49(1):81, Feb. 1966. 381 As7
- 10769 HEINS, J. T., and others. Direct food vapour analysis and component identification by a coupled capillary GLC-MS arrangement. *J. Gas Chromatogr.* 4(11):395-397, Ref. Nov. 1966. 381 J8225
H. Maarse, M. C. Ten Noever de Brauw, and C. Weurman, joint authors.
- 10770 INTERNATIONALES RUNDGESPRACH UBER LEBENSMITTEL-CHEMISCHE PROBLEME. 4, LAUSANNE, 1965. [Abstracts of papers of the International Round Table on Problems of Food Chemistry]. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(5):295-301, 1966. 384 Z39
- 10771 KATAGUE, D. B., and ANDERSON, C. A. Residue determination: a gas chromatographic method for the determination of Bay 37289 [O-ethyl O-2,4,5-trichlorophenyl ethylphosphonothioate], its oxygen analog, and 2,4,5-trichlorophenol in crops. *J. Agr. Food Chem.* 14(5): 505-508, Sept./Oct. 1966. 381 J8223
Organic phosphorus insecticide.
- 10772 KIEFFER, F., and EGLI, R. H. Determination of the nucleotide content of foods. (Ge) *Z. Anal. Chem.* 221:416-424, Ref. 1966. 384 Z3
English summary.
- 10773 LATEGAN, P. M. The effect of ultraviolet irradiation followed by heat treatments on the survival of spores of *Bacillus stearothermophilus*. *S. Afr. J. Agr. Sci.* 9(1):71-75, Ref. Mar. 1966. 24 Su3
- 10774 LEHMANN, G., and MARTINOD, P. Separation of organic acids on cellulose thin layer plates. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(5):269-273, Ref. 1966. 384 Z39
- 10775 LEININGER, H. V. Report on microbial methods for the analysis of food. *Ass. Offic. Anal. Chem. J.* 49(1):83-84, Feb. 1966. 381 As7
- 10776 LINDNER, K., and DWORSCHAK, E. Flame photometric methods suited to series investigations for determination of potassium, sodium, calcium, and magnesium in foods. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(4): 207-215, Ref. 1966. 384 Z39
- 10777 MCKINLEY, W. P. Report on methods for residues of phosphated insecticides and miticides in foods. *Ass. Offic. Anal. Chem. J.* 49(1):89-92, Feb. 1966. 381 As7
- 10778 MIETHKE, H. Determination of butylated hydroxytoluene in tartaric glyceride-containing emulsifiers. (Ge) *Deut. Lebensmittel-Rundsch.* 62(9):267-270, Sept. 1966. 389, 8 D482
- 10779 MORRIS, M. P. Report on food additives. *Ass. Offic. Anal. Chem. J.* 49(1):66-68, Feb. 1966. 381 As7
- 10780 OGG, C. L. Report on microchemical methods. *Ass. Offic. Anal. Chem. J.* 49(1):69, Feb. 1966. 381 As7
- 10781 PELLETIER, O. Determination of cystine as cysteic acid after low voltage paper electrophoresis. *J. Agr. Food Chem.* 14(5):496-498, Ref. Sept./Oct. 1966. 381 J8223
In food.
- 10782 PERI, C. Heat and mass transfers in spray drying. I. Survival of microorganisms at different levels of relative humidity. (It) *Indus. Conserva* 41(3):180-187, Ref. July/Sept. 1966. 389, 8 In23
English summary, p.3 of supplement.
- 10783 PETER, G. On the determination of calcium and potassium in foods with variable matrix. II-III. (Ge) *Z. Anal. Chem.* 220(6):421-432, Ref. 1966. 384 Z3
- 10784 SALWIN, H. Report on decomposition and filth in foods (chemical indexes). *Ass. Offic. Anal. Chem. J.* 49(1):63-65, Feb. 1966. 381 As7
- 10785 SARMA, M. L., and others. Determination of calorific value of foodstuffs by chromic acid oxidation. *J. Food Sci. Technol. [Mysore]* 3(1): 13-17, Apr. 1966. 389, 8 J823
B. A. Susheela, N. S. N. Rao, and P. K. Vijayaraghavan, joint authors.
- 10786 SCHENK, P., and SCHERZ, R. Determination of the alpha-amino nitrogen of free amino acids through decarboxylation with ninhydrin. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6): 484-491, Ref. 1965. 389, 9 Sw6
English summary.
Food analysis.

- 10787 SCHILLINGER, J. A., and ELLIOTT, F. C. The isolation of anti-metabolites from individual alfalfa plants. III. An amino acid responding principle from *Medicago falcata* L. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):570-579. Ref. May 1966. 100 M58S

Bioassay in food and feed research.

- 10788 SCHWARTZMAN, G. Report on preservatives and artificial sweeteners. *Ass. Offic. Anal. Chem. J.* 49(1):79-81. Feb. 1966. 381 As7
- 10789 SOLMS, J. Purine ribonucleotides in foods and their chemical and biochemical reactions. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6): 536-537. 1965. 389.9 Sw6
- 10790 STURM, W., and HANSSEN, E. Sodium determination in foods without the flame photometer. (Ge) *Deut. Lebensmittel-Rundsch.* 62(9):261-266. Ref. Sept. 1966. 389.8 D482
- 10791 SUBRAMANIAN, S. A. Paper chromatographic method of separation of antioxidants in foods. *Cur. Sci.* 35(12):309-310. June 20, 1966. 475 Sci23
- 10792 SULSER, H. Paper chromatographic determination and approximate evaluation of metal traces in food colorings. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(1):66-97. Ref. 1966. 389.9 Sw6
- English summary.
- 10793 SYMPOSIUM ON QUALITY CONTROL. [Proceedings]. *Food Technol.* 20(9):53-54, 56, 58. (Cont.) Sept. 1966. 389.8 F7398
- 10794 TANZANIA. GOVERNMENT CHEMIST DEPT. Annual report, 1965. *Dar es Salaam*, 1966. 8 p. 385 T15
- Food analyses included.
- 10795 VOIGT, J., and NOSKE, R. Determination of polyphenoloxidase activity. I. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 129(6):359-364. Ref. 1966. 384 Z39
- 10796 WEIL, L., and TIMASHEFF, S. N. The enzymic activity of trypsin autolysis products. *Arch. Biochem. Biophys.* 116(1/3):252-254. Ref. Sept. 26, 1966. 381 Ar2
- 10797 YIP, G. Report on herbicides and plant growth regulators. *Ass. Offic. Anal. Chem. J.* 49(1): 87-88. Feb. 1966. 381 As7
- Residues in plant products.
- 10798 ZONNEVELD, H., and GERSON, L. A quick method for dry ashing. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(4):205-207. 1966. 384 Z39
- Used on various food products.

CONSUMPTION AND UTILIZATION

- 10799 ABEL, M., and WAUGH, F. V. Relationships between group averages and individual observations. *Agr. Econ. Res.* 18(4):105-115. Oct. 1966. 1 Ec7Agr
- Statistical computations of family expenditures, chiefly in food consumption.
- 10800 BOSCH AYMERICH, A. Weekly food budget of a working family composed of father, mother, and three minor children. (Sp) *Caud. Inform. Econ. Sociol.* 17/18:77-86. June/Dec. 1965. 280.8 C893
- 10801 MCNEAL, J. U., ed. Dimensions of consumer behavior. New York, Appleton-Century-Crofts, 1965. 310 p. Ref., p.307-310. HC110.C6M3
- 10802 PETERS, H. A. Our contribution to consumers. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:29-34. A281.9 V59
- Agricultural Conservation Program in Vermont.
- 10803 RONCHI, V. The situation of agricultural consumption and production. (It) *G. Agr.* 76(40): 421. Oct. 2, 1966. 16 ItIG
- 10804 U. S. FEDERAL EXTENSION SERV. What food means to people; a guide for program aides in home economics. U. S. D. A. PA-744, 2 p. Aug. 1966. 1 Ag84Pro
- 10805 VANGREVELINGHE, G. Short-term development of household consumption. (Fr) *France. Inst. Nat. Statist. Etudes Econ. Etudes Conjoncture* 21(9):59-102. Ref. Sept. 1966. 280.8 F84
- Includes food.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 10806 AGGREY-MENSAH, W. How produce from State Farms [Corporation] are marketed. *Ghana Farmer* 9(3):113-115. Aug. 1965. 24 G564
- 10807 ARNDT, O. The development of socialist conditions of cooperation between transportation and agriculture. (Ge) *Deut. Bauernkongr. Uberarb. Protokoll*, 9th Congr.:367-371. 1966. 280.29 D482
- 10808 BERGSMAN, R. Marketing and Netherlands agriculture. (Du) *Landbouwkundig Tijdschr.* 78 (9):318-322. Sept. 1966. 105.2 Or3
- 10809 BREMYER, H. F. The law and the market in perspective. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:3-7. Sept. 1966. 100 M66
- 10810 BRIXNER, F. Market organization and cooperatives. (Ge) *Raiffeisen-Rundschau* 18(11):536-537. Nov. 1966. 284.28 R132
- 10811 BROOKS, N. The law and the market—viewed by a Federal litigator. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:30-34. Ref. Sept. 1966. 100 M66
- 10812 BRUNK, M. E. Long range implications of the National Commission on Food Marketing. *Nat. Apple Inst. Minutes*, 31st Ann. Meeting:47-54. 1966. 280.3939 N21
- 10813 DAHL, D. C. The law and the market. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:53 p. Ref. Sept. 1966. 100 M66
- Papers presented at a seminar on March 3, 1966, sponsored by the North Central Regional Committee.
- 10814 DEUTSCHER RAIFFEISENVERBAND. Jahrbuch, XVII. Jahrgang 1965 [Yearbook of the German Raiffeisen Association, XVIII year, 1965]. Bonn, 1966. 149 p. 284.29 D484
- Includes agricultural marketing cooperatives.
- 10815 ENGELMAN, G. The law and the market as viewed by the regulatory economist. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:43-47. Sept. 1966. 100 M66
- 10816 ESTEBAN FERNANDEZ, J. D. Modern concepts on central supply markets. (Sp) *Col. Offic. Vet. Prov. Barcelona*. An. 22(254):447-463. Aug. 1965. 41.9 C67
- Includes discussion.
- 10817 GREENE, B. H. The law and the market as viewed by a legal librarian: legal research tools. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:8-21. Sept. 1966. 100 M66
- 10818 HACK, S. F. The law and the market—viewed by a practicing attorney: judicial consideration of economic factors. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:22-29. Ref. Sept. 1966. 100 M66
- 10819 HOFFMANN, A. C. The law and the market—as viewed by an industry official. *Minn. Agr. Exp. Sta. Misc. Rep.* 75:35-38. Sept. 1966. 100 M66
- 10820 IVANOV, G. Purchases of the consumer cooperatives in the new Five-Year Plan. (Ru) *Zakupki Sel'skokhoz. Prod.* 9:6-8. Ref. 1966. 280.39 Z14
- 10821 IYEVLEV, A. Concentration of wholesale trade in rural areas. U. S. Joint Publ. Res. Serv. *Transl. USSR Consum. Goods Dom. Trade* 134: 10-16. Sept. 6, 1966. (JPRS 37,445; TT 66-33873) 173 J663Tr
- Translation from *Ekonomika Sovetskoy Ukrainy* 3:47-50. Mar. 1966.
- Issued by CFSTI.
- 10822 KEGLEY, G. The Roanoke marketing area. Va. *Foodman* 22(9):19-20, 23. Sept. 1966. 286.28 V81
- Includes food stores.
- 10823 KLIMOV, A. Performance and prospect in rural trade. U. S. Joint Publ. Res. Serv. *Transl. USSR Consum. Goods Dom. Trade* 140: 1-8. Sept. 27, 1966. (JPRS 37,843; TT 66-34271) 173 J663Tr
- Translation from *Ekonomicheskaya Gazeta* 31: 19-20. Aug. 1966.
- Issued by CFSTI.
- 10824 KROHN, H. B. Market integration. (Ge) *Agrarsoz. Ges. Schr. Landlich Soz.* 48:23-40. 1965. 281.9 Ag862S
- European Common market.

- 10825 LAKATOS, S. Marketing activity of production cooperatives in Budapest. (Hu) Magyar Mezőgazdaság 21(39):12-13. Sept.28,1966. 19 M27
- 10826 LAMB, W. C. The consumer reacts. Ass. Southern Feed, Fert. Pesticide Contr. Office. Offic. Publ., 1964/65:111-117. 389.79 As7
Merchandising of Florida agricultural products
- 10827 MANCHESTER, A. C. Interpretations of economic evidence: the report of the National commission on Food Marketing. Agr. Econ. Res. 18(4):116-118. Oct.1966. 1 Ec7Agr
- 10829 MATUSCHKA-GREIFFENCLAU, K. G. Co-operative initiatives in speech. (Ge) Raiffeisen-Rundschau 18(11):537-539. Nov.1966. 284.28 R132
Marketing discussed on the radio.
- 10829 MONGARDI, A. The problem of transportation and the crisis of our horticultural exports. (It) Rass. Agr. Ital. 21(7):20-21. July 1966. 261.8 R18
- 10830 MUELLER, W. F. The law and the market as viewed by a FTC [Federal Trade Commission] economist: the role of economics in developing rules of law in the enforcement of the antitrust laws. Minn. Agr. Exp. Sta. Misc. Rep. 75:39-42. Sept.1966. 100 M66
- 10831 MUNCHOW, S. Sanitation of dispensers. (Ge) Ernähr.-Umsch. 13(6):257-258. Aug.1966. 389.8 Er66
Automatic food dispensers.
- 10832 SCHAPKER, B. L. Behavior patterns of super-market shoppers. J. Marketing 30(4):46-49. Oct.1966. 280.38 J82
- 10833 STOUT, T. T. The law and the market as viewed by a university economist: the emissaries of conflicting interests. Minn. Agr. Exp. Sta. Sta. Misc. Rep. 75:48-53. Sept.1966. 100 M66
- 10834 PURI, S. S. Cooperative marketing. Agr. Marketing [Nagpur] 8(4):1-11. Jan.1966. 230.38 Ag84
India.
- 10835 U. S. CONSUMER AND MARKETING SERV. School lunches, a billion-dollar market for food. U. S. D. A. PA-750,9 p. Oct.1966. 1 Ag84Pro
- 10836 YODE, J., and HELMBERGER, P. Membership policies and market power of farmer cooperatives in the United States. Wis. Agr. Exp. Sta. Bull. 267,38 p.,map. Ref. Aug.1966. 100 W75
Marketing.
- GRADING, INSPECTION, STANDARDIZATION, AND QUALITY**
- 10837 ANDERSON, R. C., and others. Toxicological studies on tylosin: its safety as a food additive. Food Cosmet. Toxicol. 4(1):1-15. Ref. Feb. 1966. 391.8 F73
H. M. Worth, R. M. Small, and P. N. Harris, joint authors.
- 10838 BECKER, M. E. Water-borne and food-borne viruses. J. Milk Food Technol. 29(8):243-245. Ref. Aug.1966. 44.8 J824
- 10839 GENDEREN, H. VAN. Pesticides as factor in food quality. (Du) Landbouwkundig Tijdschr. 78(1):24-32. Ref. Jan.1966. 105.2 Or3
Residues.
- 10840 HANSON, W. C., PALMER, H. E., and GRIFFIN, B. I. Radioactivity in northern Alaskan Eskimos and their foods, summer 1962. In Willimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.1151-1164, map. Ref. 1966. QH105.A4W5
- 10841 HERNANDEZ, R. H., GREENBERG, J. H., and OLSON, R. E. An outbreak of infectious hepatitis probably due to contamination of food. Amer. J. Epidemiol. 84(2):247-252. Sept.1966. 449.8 Am3
- 10842 KRAMER, A. Parameters of quality. Food Technol. 20(9):53-54. Sept.1966. 389.8 F7398
- 10843 LINDNER, E. Toxic effect of natural foods. I. (Ge) Ernähr.-Umsch. 13(6):263-265. Aug.1966. 389.8 Er66
- 10844 MILLER, C. F. Physical damage from nuclear explosions. In Woodwell, G. M., ed. Ecological effects of nuclear war, p.1-10. 1965. 173 At72Ec
Includes field crop contamination.
- 10845 PETERSON, D. R., ANDERSON, H. W., and DETELS, R. Three outbreaks of foodborne disease with dual etiology. Public Health Rep. 81(10):899-904. Oct.1966. 151.65 P96
Caused by Clostridium perfringens and Salmonella typhimurium.
- 10846 RALOVICH, B., and BARNA, K. Type B-botulism proved by toxicological and bacteriological research. (Ge) Zentrabl. Bakteriell. Parasiten. Infekkrank. Hyg. Abt. I, Orig. 20(4):509-519. Ref. 1966. 448.3 C33
English summary.
- 10847 RANGANNA, S., and BAJAJ, B. D. Chemical additives in food. Indian Food Packer 20(2):77-77. Ref. Mar./Apr.1966. 389.8 In25
- 10849 RITTER, R. Contribution of individual foods in the incorporation of strontium 90 and cesium 137. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(6):325-332. 1966. 384 Z39
- 10849 SEMLING, H. V. Antibiotic usage in foods and feeds may be discontinued. Food Process./Marketing [Chicago] 27(10):14,18. Oct. 1966. 389.8 F7325
Tetracycline in food included.
- 10850 SENSER, F. Penicillium martensii Bionge as causative agent of a mycosis. (Ge) Zentrabl. Bakteriell. Parasiten. Infekkrank. Hyg. Abt. I, Orig. 20(4):519-524. 1966. 448.3 C33
English summary.
Isolated from food.
- 10851 SOUVERAIN, R. Principles of French legislation on food additives. (Fr) Chim. Indus. [Paris] 95(5):1143-1158. (Cont.) May 1966. 383 C42
English summary.
- 10852 SWITZERLAND. EIDGENÖSSISCHE KOMMISSION FÜR VOLKSERNÄHRUNG, LEBENSMITTELGESETZGEBUNG UND -KONTROLLE. Eighth report of activities of the Federal Commission for Nutrition and Food Legislation and Control for the years 1964 and 1965. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 57(2):161-174. 1966. 389.9 Sw6
Text also in French, p.174-187.
- 10853 SYMPOSIUM ON FOOD TOXINS. Mycotoxin problems in the United Kingdom and the Tropics, by W. D. Raymond. Food Technol. 20(7):54-55,58,60. (Cont.) Ref. July 1966. 389.8 F7398
Chiefly aflatoxin in foods.
- 10854 SYMPOSIUM: ON FOOD TOXINS. [Proceedings] (Concl.) Food Technol. 20(9):72,74-78. Sept.1966. 389.8 F7398
- 10855 THUMMEL, and SCHAUBLE. Decisions in the sense of §4a section 2 of the Food Law; a reply. (Ge) Deut. Lebensmittel-Rundsch. 62(9):272. Sept.1966. 389.8 D482
Rejoinder by A. Kloesel, p.273.
- 10856 WEILENMANN, H. R. Spraying residues; results of 1956-1965 market control of the Pesticide Division of the Zurich Chemical Laboratory [Pestizid-Abteilung, Chemisches Laboratorium der Stadt Zurich]. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 57(1):1-26. Ref. 1966. 389.9 Sw6
English summary.
- PACKING AND PACKAGING**
- 10857 BULMER, C. H. Considerations affecting the handling of glass containers. Food Trade Rev. 36(10):76-79. Oct.1966. 389.8 F7334
- 10858 FOX, K. R. Packaging: an integral part of the frozen food industry. Food Trade Rev. 36(9):98-100,104. Sept.1966. 389.8 F7334
Great Britain.
- 10859 HANSEN, S. C. Plastics and food. (Da) Konserver Dybfrost 24(9):102-105. 1966. 389.8 K835
Testing of plastic packaging materials for health hazards.

- 10860 HARMOND, J. E. Automatic pickup for bags, tags and cartons; packaging and labeling agricultural products. *Seed World* 99(4):14. Sept.23,1966. 61.8 Se52
- 10861 HAWLEY, H. B. A food technologists looks at plastic barrels. *Food Trade Rev.* 36(10):63-68. Ref. Oct.1966. 389.8 F7343
- 10862 HEIMER-WEBER, C. Packing of freeze-dried products. (Ge) *Verpackungs-Rundsch.* 17(9): 1205-1206,1208,1210. Sept.1966. 280.38 V592 English summary. Food.
- 10863 HEISS, R. Reciprocal action between packing and foods. (Ge) *Ernahr.-Umsch.* 18(3):252-253. Aug.1966. 389.8 Er66 With reference to plastics.
- 10864 HELDMAN, D. R., HALL, C. W., and HEDRICK, T. L. Bacterial aerosol concentration distribution at openings. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):591-598. Ref. May 1966. 100 M583 In food packaging.
- 10865 HOTTENROTH, B. Experiences in the long-term storage investigation of foods. 2. (Ge) *Tech.-Wiss. Beilage*, p.65-73. In *Verpackungs-Rundsch.* 17(9). Sept.1966. 280.38 V592 Packing.
- 10866 WIERBICKI, E., and KILLORAN, J. J. Packaging for radiation-sterilized foods: present status. *Res. Develop. Ass. Activ. Rep.* 18(1): 18-29. Ref. Spring 1966. 389.9 As74A

PRICES, PRICE CONTROL, AND RATIONING

- 10867 BAILEY, F. Two out of three farmers miss out on Ag benefits. *Banking* 59(5):83-84. Nov. 1966. 284.8 Am3 Parity and support prices.
- 10868 BERTELLI, L., and others. The movement of prices in Piedmont Sabaudo from 1559 to 1580. (It) *G. Econ. Ann. Econ.* 25(5/6):569-593. Ref. May/June 1966. 280.8 G43 L. Rotelli, G. Legori, L. Rosani, F. Astro, and B. Casadei, joint authors. Food prices included.
- 10869 BOSCH AYMERICH, A. Weighted index of the price of means of subsistence. (Sp) *Caud. Inform. Econ. Sociol.* 17/18:69-76. June/Dec. 1965. 280.8 C893 Food.
- 10870 CANADA. AGRICULTURAL STABILIZATION BOARD. Annual report, 1964-65. n.p., 1965. 6 p. 284.39 C169 Library has also report for 1963/64, 9 p. Price supports.
- 10871 CANADA. AGRICULTURAL STABILIZATION BOARD. Annual report, 1965-1966. Ottawa, 1966. 6 p. 284.39 C169
- 10872 CREA, V. Price unification in little Europe. (It) *Eso Agr.* 15(3):8. June 1,1966. 58.8 Es7 Policies for the European Economic Community countries.
- 10873 FRACCHIA, E., and others. The movement of prices in Germany from 1700 to 1750. (It) *G. Econ. Ann. Econ.* 25(5/6):541-568. Ref. May/June 1966. 280.8 G43 L. Stanca, C. Peretti, and A. Galfetti, joint authors. Food prices included.
- 10874 FRATTARI, E. For the first time, from 1950 to today, our ministers have faced the intransigence of other delegations. (It) *Rass. Agr. Ital.* 21(8/9):7-8. Aug./Sept.1966. 281.8 R18 Prices set on the European Common Market.
- 10875 GROOM, P. Prices in poor neighborhoods. *U. S. Bur. Labor. Statist. Mon. Labor Rev.* 89 (10):1085-1090. Oct.1966. 158.6 B87M Food prices included.
- 10876 MADHYA PRADESH. DIRECTORATE OF LAND RECORDS. Farm (harvest) prices of agricultural commodities in Madhya Pradesh 1963-64. Gwalior, 1965. 199 p. 269.55 M263 SCHONE, A. The results of the European Common Market agricultural policy for the consumer. (Du) *Co-op [Rotterdam]* 21(8):116-119. Sept.1966. 280.28 C7857 Prices.
- 10879 SCHULTZ, T. W. Increasing world food supplies: the economic requirements. *Nat. Acad. Sci. Proc.* 56(2):322-327. Aug.15,1966. 500 N21P Price and income policy.
- 10879 SESTAN, B. Agricultural prices in USA. (Se) *Agron. Glas.* 15(7/8):528-537. 1965. 21.5 Ag84
- 10880 SWEDEN. STATISTISKA CENTRALBYRAN. Konsumentpriser och indexberäkningar [Consumer prices and index computations], 1965. Stockholm, 1966. 32 p. 284.39 Sw33 English summary. Includes food prices.
- 10881 THINGALAYA, N. K. Farmers' terms of trade in India. *Agr. Situation India* 21(1):3-9. Apr. 1966. 281.9 In23
- 10882 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Food costs; retail prices, farm prices, marketing spreads. *U. S. D. A. Misc. Publ.* 556,rev.,16 p. Sept.1966. 1 Ag84M

PROCESSING AND STORAGE

- 10883 AKINRELE, A. Special procedures for food processing in tropical countries. (Ge) *Ernahr.-Umsch.* 13(10):343-346. Ref. Oct.1966. 389.8 Er66
- 10884 ALBRECHT, J. J., and DEINDOERFER, F. H. Autolyzed yeast extracts make foods flavorful. *Food Eng.* 38(10):92-95. Oct.1966. 389.8 F737
- 10885 BALATTI, A. P., and others. Obtaining of fungal amylolytic enzymes. (Sp) *Ion* 26(301):435-437,476. Aug.1966. 385 Io6 L. A. Mazza, C. Cuevas, and J. Juzkiewicz, joint authors.
- 10886 BEEM, L. Quality control through people. *Food Technol.* 20(9):56,58. Sept.1966. 329.8 F739 Personnel training.
- 10887 BOLANOWSKI, J. P., and ZIEMBA, J. V. For higher process efficiency: continuous emulsification. *Food Eng.* 38(11):86-91. Nov.1966. 389.8 F737
- 10888 BRUNDER, R. Food supply of the future. (Ge) *Verpackungs-Rundsch.* 17(9):1264,1266,1268, 1270. Sept.1966. 280.38 V592 English summary. Convenience foods.
- 10889 CAMERON, A. G. Food technology and the National College. *Home Econ. Dom. Subj. Rev.* 12(9):19-20. Sept.1966. 321.8 H759 National College of Food Technology Weybridge.
- 10890 CATE, H. A. Better, safer food service; it's everybody's business. *Ext. Serv. Rev.* 37(9): 12-13. Sept.1966. 1 Ex892Ex Extension program in Illinois on food handling.
- 10891 DAVIES, R. W. Design of single storey cold stores. *Res. Conf. Meast Indus. New Zeal. Pap.* 110-64-71. 1966. 50.9 R31
- 10892 HAMMOND, A. E. Freezing and packaging within the Common Market. *Food Process. Marketing [London]* 35(421):387-390. Oct.1966. 389.8 F738
- 10893 HERRMANN, J. Irradiation of foods. (Ge) *Ernahr.-Umsch.* 13(8):254-256. Aug.1966. 389.8 Er66
- 10894 HEYNS, K. Technique and nutrition. (Ge) *Ernahr.-Umsch.* 13(8):247-251. Aug.1966. 389.8 Er66 Changes in food habits, optimal nutrition, pest control and processing as weapons against hunger, and food sanitation and regulation.
- 10895 HOWELER-COY, J. F. Homogenized milk—the key to improved school milk consumption. *S. Australian Dairymen's J.* 5(6):4-6,6-8. May/June 1966. 44.8 So86 In Tasmania.
- 10896 HULSE, J. H. Canada's IFT [Institute of Food Technology] fights world hunger. *Food Eng.* 38(11):137. Nov.1966. 389.8 F737 Project for training food technologists in Asia.

STATISTICS

- 10897 LEHMANN, W. M. Advances and limits of food irradiation. (Ge) Fette, Seifen, Anstrichmittel 68(9):751-752, Sept.1966, 384 C422
- 10899 LUCK, E. Sorbic acid as a food preservative. (Ge) L E (Lebensmittel Ernähr.) 9:8-9, Sept. 1966, 389,8 Z34 Austria.
- 10999 MORGAN, A. I. Foam-mat drying. ASHRAE (Amer. Soc. Heating, Refrig. Air-Cond. Eng.) J. 8(11):58-59, Nov.1966, 295,8 Am3 Of foods.
- 10900 MOSSEL, D. A. A. The present day status and perspectives of irradiation as a tool in food and feed technology. Utrecht, Cent. Inst. Voedingsonderz. Publ. 377,12 p. Ref. 1966, 389,9 U7
- 10901 NORANDI, B. Prospects of establishing the refrigeration industry in Spain. (It) Rass. Econ. Prov. Alessandria 19(4):35-38, July/Aug.1966, 287 AL24
- 10902 PATRY, P. R. Why the Canadian Institute of Food Technology. (Fr) Quebec Lait. Aliment. 25(9):12-13, Oct.1966, 44,8 Q3
- 10903 PAZOLA, Z. Suszenie rozpylowe w przemyśle spożywczym [Spray-drying in food industry]. Warszawa, Wydawnictwo Przem. Lekk. 9 P3 i Spozywczego, 1965, 280 p. Ref. TX609 P3
- 10904 PENSO, G. Directed fermentation. (Fr) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(6):530-532, 1965, 389,9 Sw6
- 10905 PICHEL, W. Development of the quick frozen food industry in France. ASHRAE (Amer. Soc. Heating, Refrig. Air-Cond. Eng.) J. 8(11):72, Nov.1966, 295,8 Am3
- 10906 PORFY, E. The development of the Hungarian refrigerated car park during the third Five Year Plan period. (Hu) Husipar 15(4):144-150, July/Aug.1966, 50,8 H95 English summary.
- 10907 RAVASZ, E. Present state of the freeze drying of food. (Hu) Husipar 15(4):154-156, July/Aug.1966, 50,8 H95 English summary.
- 10909 RZAYEV, K. R. Refrigerating industry of the Azerbaydzhan SSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:97-99, Aug.24,1966, 173 3663Tro Translation from Kholodilnaya Tekhnika 5:33, May 1966. Issued by CFSTI
- 10909 SILVERMAN, M. P., GORDON, J. N., and WENDER, I. Food from coal-derived materials by microbial synthesis. Nature [London] 211 (5050):735-736, Ref. Aug.13,1966, 472 N21
- 10910 SMILEY, K. L. Microbial polysaccharides—a review. Food Technol. 20(9):112-116, Ref. Sept.1966, 389,8 F7398 Industrial use.
- 10911 SYMINTON, B. W. Refrigeration in single storey cold stores. Res. Conf. Meat Indus. New Zeal. Pap. 110:72-74, 1966, 50,9 R31
- 10912 THOMAS, L. R. Deep wells may answer water needs. Food Eng. 38(10):96-99, Oct.1966, 389,8 F737 Use of ground water for industry.
- 10913 U. S. CROP REPORTING BOARD. Capacity of refrigerated warehouses in the United States, October 1, 1965, by A. R. Feistner, M. R. Banks, and W. D. Bormuth. Washington, 1966, 19 p. 1.9 Ed7Tab Statistics.
- 10914 VARNER, D. M. Slow, steady progress with food irradiation. Food Eng. 38(11):111-113, Nov.1966, 389,8 F737
- 10915 VAS, K. Research on the application and manufacturing of enzyme products in the food industry in Hungary. (Hu) Elelmezési Ipar 20 (8):225-229, Ref. Aug.1966, 290,9 M57
- 10916 WEISSER, H. Storage and packing of freeze-dried food. (Ge) Verpackungs-Rundsch. 17(9):1212,1215,1218-1220,1222, Sept.1966, 280,38 V592 English summary.
- 10917 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIAN OFF. Pocket year book of Western Australia, forty-seventh issue, 1965. Perth, 1965, 240 p. 271.7 R26P Agricultural statistics included.
- 10919 AUSTRIA. STATISTISCHES ZENTRALAMT. Ergebnisse der landwirtschaftlichen Statistik im Jahre 1965 [Results of agricultural statistics in the year 1965]. Austria, Statist. Zentralamt, Beir. Osterr. Statist. 124,120 p. 1966, 266 St22
- 10919 BARACCO GANDOLFO, C. Comments on the national agricultural census. (Sp) Vida Agr. [Lima] 42(506/507):559,561, 1966, 9,8 V66 Peru.
- 10920 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Recensement des emblavures d'hiver et du bétail 15 Decembre 1965 [Census of winter plantings and of livestock, December 15, 1965]. Bruxelles, 1966, 31 p. 258 St22Re
- 10921 CANADA. BUR. OF STATISTICS. Intended acreage of principal field crops in Canada. 1. 1966. Ottawa, 1966, 7 p. 253 St23Cr
- 10922 EL SALVADOR. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. El Salvador en graficas [El Salvador in graphs], 1965, San Salvador, 1966, 101 p.,map, 254 Sa522H Statistics on agriculture included.
- 10923 FORSYTH, G. J. Big irrigation values in jumbo package. Reclam. Era 52(4):87-90, Nov. 1966, 156,84 R24 On the Crop Report and Related Data of the U. S. Bur. of Reclamation.
- 10924 FRANCE. DIRECTION GENERALE DES ETUDES ET AFFAIRES GENERALES. Resultats sommaires de la statistique agricole 1965. [Summary results of 1965 agricultural statistics]. Paris, 1966, 21 p. 260 Af2 Service Central des Enquetes et Etudes Statistiques, cooperating.
- 10925 GUNST, P. Large estate inventories 1934-1939. (Hu) Agrártörténeti Szemle 7(2/3):255-327, Ref. 1965, 19 Ag85 German summary.
- 10926 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Bulletin on food statistics, sixteenth issue, February, 1966, New Delhi, 1966, 244 p. 389,9 In24
- 10927 KANSAS. STATE BOARD OF AGRICULTURE. Farm facts 1965-1966: Kansas crop and livestock information for 1965 and preliminary estimates for 1966. Topeka, 1966, 96 p.,map, 252,29 Ag88
- 10929 PHILIPPINES DEPT. OF AGRICULTURE AND NATURAL RESOURCES. BUR. OF AGRICULTURAL ECONOMICS. The food balance sheet of the Philippines for CY 1963 and 1964. Philippines, Nat. Econ. Council, Statist. Reporter 10(1):1-14, Jan./Mar.1966, 273 N21S
- 10929 SCHLESWIG-HOLSTEIN. STATISTISCHES LANDESAMT. Statistisches Jahrbuch, Schleswig-Holstein [Statistical yearbook Schleswig-Holstein], 1965. Kiel, 1965, 198 p.,map, 265 Sch32St Agricultural statistics included.
- 10930 SPAIN. INSTITUTO NACIONAL DE ESTADISTICA. Primer censo agrario de Espana, octubre de 1962 [First agricultural census of Spain, October 1962]. 9, 31, 33, 37, 39, 42. Madrid, 1966, 6 v.,map, 263 Sp14Pri 9, Burgos; 31, Navarra; 33, Oviedo; 37, Salamanca; 39, Santander; 42, Soria.
- 10931 STAUBER, B. R. The collection of agricultural statistics in Japan. U. S. D. A. Statist. Rep. Serv. SRS-10,50 p. Ref. Sept.1966, A280,9 Ag63
- 10932 THOMAS, E. The influence of hectare yields and changes in extent and structure of crop areas on the development of total yields. (Ge) Statist. Praxis 21(10):449-451, Oct.1966, 251,8 St25

- 10933 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Handbook of agricultural charts, 1966. U. S. D. A. Agr. Handbook 325, 115 p., map. Oct. 1966. 1 Ag64Ah
U. S. Department of Agriculture Statistical Reporting Service, U. S. Agricultural Research Service, and U. S. Foreign Agricultural Service, cooperating.
Commodity trends.
- BEVERAGES AND CONDIMENTS
- 10934 AHLUWALIA, C. S. Development of coffee commerce in India. *Tea Coffee Trade J.* 13(2): 19. Aug. 1966. 68.8 T22
Industry and trade.
- 10935 ASVANY, A. Wine manufacture observations in Yugoslavia. (Hu) *Kerteszeti Szolész.* 15(19): 6-8. Oct. 1966. 80 K474
- 10936 BADOUIN, R. The French wine market. (Fr) *Cooperation* 26(6):30-34. June 1966. 280.28 C7845
- 10937 BAGO, B. Retail marketing of wine by producers. (Hu) *Kerteszeti Szolész.* 15(15):8-9. Aug. 1966. 80 K474
- 10938 BARKER, W. G. "Acceptance" is tea's major accomplishment. *Tea Coffee Trade J.* 131(4): 37,46. Oct. 1966. 68.8 T22
Marketing.
- 10939 BHATTNAGAR, J. K., and GUPTA, O. P. Microscopic detection of papaya seeds in powdered black pepper. *Panjab Univ. Res. Bull.* (n.s.) 16 (4):325-326. Dec. 1966. 513 Ea72
Papaya seeds used to adulterate powdered Piper nigrum.
- 10940 BIEHL, B. The problem to improve the quality of crude cacao in Bahia. (Ge) *Rev. Int. Choc.* 21(9):440-442. Sept. 1966. 68.38 R32
Includes fermentation.
- 10941 BOKHIMIYA i progressivnaya tekhnologiya chainogo proizvodstva [Biochemistry and the modern technology in the tea industry]. Moskva, Nauka, 1966. 402 p. Ref. TP650.55
- 10942 BROADWAY, F. Wine: building on success. *Statist* 190(4625, brewing and distill. surv.):13-14. Oct. 28, 1966. 286.8 S2
- 10943 CANADA. BUR. OF STATISTICS, INDUSTRY DIV. Breweries, 1964. Ottawa, 1966. 17 p. (Annual Census of Manufacturers's) 253 C334
- 10944 CEYLON TEA PROPAGANDA BOARD. Report, 1965. Colombo, 1966. 69 p. 286.3689 C33
- 10945 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(425/426): 883-899. (Cont.) July/Aug. 1966. 390.8 B87
Influence of fermentation and storage temperatures of wine and special wines on their chemical, microbiological and organoleptic characteristics; German report by L. H. Schanderl, Portuguese report by E. M. Correia, Israeli report by E. Rosenstein.
- 10946 COSTE, R. The world's cocoa organisations. *L'Institut Français du Café et du Cacao, Cocoa Growers' Bull.* 7:9-11. Summer 1966. 68.38 C642
- 10947 DALMASSO, G. Louis Pasteur and the centenary of the celebrated book on wine. (It) *G. Agr.* 76(37):393. Sept. 11, 1966. 16 It1G
- 10948 DALMASSO, G. Summary (preliminary) of the 1964-65 grape and wine year in Italy. (It) *Colt. G. Vinicolo Ital.* 111(12):390-391. Dec. 1965. 16 C72
- 10949 DEHNER, J. Stabilization of champagne wine through an ion exchanger. (Ge) Weinberg Keller 12(9):403-424. Sept. 1965. 95.8 W435
English summary.
- 10950 DEHOVE, M., and DELLENBACH, M. New materials for the manufacture and covering of wine receptacles: manufacturing and storage vats, transportation tanks, bottles, and various packing; French report. (Fr) Office Int. Vigne Vin. Bull. 39(425/426):900-928. July/Aug. 1966. 390.8 B87
Presented at the 11th International Congress of Grapes and Wine, Lisbon, 1965.
- 10951 DEIBNER, L., and MOURGUES, J. On the characteristics of the platinum electrodes used for the measurement of the oxidation reduction potential of grape juice and wines. (Fr) Office Int. Vigne Vin. Bull. 39(425/426):929-931. July/Aug. 1966. 390.8 B87
- 10952 DEINHARDT, H. Solubility of carbon dioxide in wine and champagne. (Ge) Weinberg Keller 12(9):428-434. Sept. 1965. 95.8 W435
English summary.
- 10953 DELL'ELCE, T. Association to set quality standards? *Tea Coffee Trade J.* 13(2):21. Aug. 1966. 68.8 T22
Tea and Coffee Association of Canada.
- 10954 DESANA, P. The "use" requirement for protection of origin designations of wines. (It) *Colt. G. Vinicolo Ital.* 111(12):388-389. Dec. 1965. 16 C72
- 10955 DESANA, P. Wine manufacturing cooperatives in Piedmont. (It) *Colt. G. Vinicolo Ital.* 112 (6/7):197-199. June/July 1966. 16 C72
- 10956 DE SOTO, R. T., NIGHTINGALE, M. S., and HUBER, R. Production of natural sweet table wines with submerged cultures of *Botrytis cinerea* Pers. *Amer. J. Enol. Viticult.* 17(3):191-202. Ref. July/Sept. 1966. 390.9 Am33
- 10957 DICK, R. H. Report on coffee and tea. *Ass. Office. Anal. Chem. J.* 49(1):55. Feb. 1966. 351 As7
- 10958 DELENYI, M. Champagne—basic wine manufacture and handling. (Hu) *Kerteszeti Szolész.* 15(16):7. Aug. 1966. 80 K474
- 10959 FAREY, M. G., and MACPHERSON, C. C. H. A rapid flame photometric procedure for determining calcium in wine. *Amer. J. Enol. Viticult.* 17(3):203-206. July/Sept. 1966. 390.9 Am33
- 10960 FENAROLI, G., POY, F., and MARONI, G. Research on natural and synthetic flavouring substances. II. Rum and essence of rum. *Perfumery Essent. Oil Rec.* 57(10):645-650. Oct. 1966. 308.8 P41
- 10961 FOOD ENGINEERING. Tower fermenter goes on stream. *Food Eng.* 38(11):92-93. Nov. 1966. 389.8 F737
Brewing in Europe.
- 10962 GUPTA, S. Indian attitude toward tea price. *Tea Coffee Trade J.* 131(4):38,47. Oct. 1966. 68.8 T22
Includes trade outlook.
- 10963 HADORN, H., and ZURCHER, K. Ultraviolet spectrophotometric determination of theobromine in cocoa and chocolate. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6):491-515. Ref. 1965. 389.9 Sw6
English summary.
- 10964 HELLBERG, A. Problems in connection with grain quality. (Sw) *Nord. Jordbrugsforsk.* 47 (4):293-295. 1965. 11 N752
Feed.
Includes discussion.
- 10965 HENNIG, K., and LAY, A. Analytical determination of oxalic acid in musts and wine through precipitation. (Ge) Weinberg Keller 12(9):425-427. Sept. 1965. 95.8 W435
English summary.
- 10966 HULL, L., LOVE, W. J., and MULLER, J. G. Latest instant coffee process teams freeze-concentration with freeze-drying to boost quality. *Food Eng.* 38(11):74-75. Nov. 1966. 389.8 F737
- 10967 KAHN, J. H., NICKOL, G. B., and CONNER, H. A. Analysis of vinegar by gas-liquid chromatography. *J. Agr. Food Chem.* 14(5):460-465. Ref. Sept./Oct. 1966. 381 J8223
- 10968 KLEINERT, J. Cacao beans and fermentation. (Fr) *Rev. Int. Choc.* 21(9):424-427. Sept. 1966. 68.38 R32
- 10969 KLEINKNECHT, E. M. Chemische Veränderungen von Weinen in Abhängigkeit vom Abfüllverfahren sowie des Abfüllsystems [Chemical changes in wines in relation to decanting process and system]. Giessen, Justus-Liebig-Universität Landwirt. Fak. [Diss.], 8,157 p. 1965. 105.8 G36
Bibliography, p. 149-157.

- 10970 KLEYN, J. G., and VACANO, N. L. Some effects of soybeans on yeast growth and beer flavor. *Brewers Dig.* 41(11):95-99. Ref. Nov. 1966. 390.8 B75
- 10971 KNORR, F. On the use of concentrated hops. 2. (Ge) *Brauwelt* 106(78):1409-1412. Sept. 30, 1966. 390.8 B732
- 10972 KRAUSS, G. Hops quality and beer quality. (Ge) *Monatsschr. Brauerei* 19(10):273-280. Oct. 1966. 390.8 B7323
- 10973 KRUMPERMAN, P. H., and VAUGHN, R. H. Some lactobacilli associated with decomposition of tartaric acid in wine. *Amer. J. Enol. Viticult.* 17(3):165-190. Ref. July/Sept. 1966. 390.9 Am33
- 10974 LABRUYERE, B. Determination of the pungent constituents of *Piper nigrum*. *J. Agr. Food Chem.* 14(5):469-472. Sept./Oct. 1966. 381 J8223
- 10975 LEE, S. New sources of trouble for coffee lies ahead. *Tea Coffee Trade J.* 13(2):14, 29-30, 32. Aug. 1966. 68.8 T22
- 10976 MARESCALCHI, C. The grape harvest. (It) *G. Agr.* 76(41):440. Oct. 9, 1966. 16 ItIG
Wine regulation and grape outlook and market.
- 10977 MARESCALCHI, C. Italian wine and the European Common Market. (It) *Agr. Venezia* 20(7/8):374-388. July/Aug. 1966. 16 Ag826
- 10978 MASTER BREWERS ASSOCIATION OF AMERICA. Abstracts of papers presented at the M.B.A.A. convention. *Brewers Dig.* 41(11):72, 74, 76-77, 81, 94. Nov. 1966. 390.8 B75
- 10979 MAYER, K., and PAUSE, G. Indole derivatives in wine. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(2):147-160. Ref. 1966. 389.9 Sw6
English summary.
- 10980 MCKISSOCK, A. Winemaking in New Zealand. *Wines Vines* 47(10):23-25. Oct. 1966. 95.8 C122
- 10981 MENCHU, J. F. Description and origin of the principal physical defects of coffee beans. (Sp) *Rev. Cafetalera* 58:13-18. June 1966. 68.28 R322
- 10982 MENCHU, J. F. Installation of sieve for pulped coffee. (Sp) *Rev. Cafetalera* 60:17-19. Aug. 1966. 68.28 R322
- 10983 MOELLER, W. M. The brewing industry, eastern Pennsylvania, and Philadelphia. I. Historical perspective. *Brewers Dig.* 41(6):82-85. June 1966. 390.8 B75
- 10984 MUGGLIER-CHAVAN, F., and others. On the composition of tea aroma. (Fr) *Helv. Chim. Acta* 49(6):1763-1767. Ref. 1966. 385 H36
R. Viani, J. Bricout, D. Reymond, and R. H. Egli, joint authors.
English summary.
- 10985 NIEDERBACHER, A. Quality and value of Italian wines and their distribution. (It) *Agr. Venezia* 20(7/8):353-357. July/Aug. 1966. 16 Ag826
- 10986 OUGH, C. S., and AMERINE, M. A. Fermentation rates of grape juice. IV. Compositional changes affecting prediction equations. *Amer. J. Enol. Viticult.* 17(3):163-173. Ref. July/Sept. 1966. 390.9 Am33
- 10987 PAN, Y. J. The wine industry of China. (Ge) *Weinberg Keller* 12(1):25-27. Jan. 1965. 95.8 W435
- 10988 PEYNAUD, E., BLOUN, J., and LAFON-LAFOURCADE, S. Review of applications of enzymatic methods to the determination of some organic acids in wines. *Amer. J. Enol. Viticult.* 17(3):218-224. Ref. July/Sept. 1966. 390.9 Am33
- 10989 PEYNAUD, E., LAFON-LAFOURCADE, S., and GUIMBERTEAU, G. On the various forms of lactic acid in fermented cultures. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(7):634-635. Aug. 17, 1966. 505 P21
Includes wine fermentation.
- 10990 PIERCE, J. S. Amino acids in malting and brewing. *Master Brewers Ass. Amer. Tech. Quart.* 3(4):231-236. Ref. Oct./Dec. 1966. 390.9 M39T
- 10991 PIRTSKHALAISHVILI, S. KH., and TOTOCHAVA, R. O. On the desirability of establishing special tea plantations to produce caffeine raw material. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 3:3-16. Ref. 1965. 68.19 M28
English summary.
- 10992 RADTKE, R., MOHR, W., and SPRINGER, R. Study of coffee aroma and its changes in the course of roast coffee storage. III. (Ge) *Z. Lebensmittel-Untersuchung-Forsch.* 129(6):349-359. Ref. 1966. 384 Z39
- 10993 RAMASWAMY, P. Polishing and colouring of turmeric—a wasteful process. *Agr. Marketing [Nagpur]* 8(4):17-19. Jan. 1966. 280.38 Ag84
Spice and coloring.
- 10994 RIBEREAU-GAYON, P., and STONESTREET, E. Estimation of the tannins in red wine and determination of their structure. (Fr) *Chim. Anal.* 48(4):188-196. Ref. Apr. 1966. 383 An72
English summary.
- 10995 ROBINSON, W. B., and others. The relation of anthocyanin composition to color stability of New York State wines. *Amer. J. Enol. Viticult.* 17(3):175-184. Ref. July/Sept. 1966. 390.9 Am33
L. D. Weirs, J. J. Bertino, and I. R. Mattick, joint authors.
- 10996 SANTOS, J. O. The International Coffee Organization (summary of objectives attained). (Por) *Rev. Mercados* 17(192):5-8. Aug. 1966. 286.8 R328
- 10997 SCHOPFER, J. F. The technique of yeasting. (Fr) *Agr. Romande (ser. A)* 5(9):85-87. Sept. 1966. 17 Ag8
For wine manufacture.
- 10998 SCHRAM, F. Note on sweet Hungarian wine manufacture in 1777. (Hu) *Agrartörténeti Szemle* 7(2/3):253-254. 1965. 19 Ag85
German summary.
- 10999 STREULI, H., SCHWAB-VON BUREN, H., and HESS, P. Methodology for determining fat in raw and roasted coffee. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(2):142-146. 1963. 389.9 Sw6
English summary.
- 11000 TAKEO, T. Tea leaf polyphenol oxidase. III. *Agr. Biol. Chem.* 30(6):529-535. June 1966. 385 Ag8B
- 11001 TANNER, H. Characterization of various sugars in sweet and fermented beverages with thin layer chromatography. (Ge) *Schweiz. Z. Obst-Weinbau* 102(10):261-267. May 14, 1966. 80 Sch9
- 11002 TERCELJ, D. Biological stabilization of sweet wine with sorbic acid and diethylpyrocatechol. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(12):288. Aug. 20, 1965. 21.5 So14
- 11003 TERCELJ, D. Clarification of wine with the preparation "rapid." (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(10):226. Aug. 1966. 21.5 So14
Zinc sulfate and potassium ferricyanide.
- 11004 TERCELJ, D. Modern methods of stabilization of wine. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(10):227-228. Aug. 1966. 21.5 So14
Includes clarification and color.
- 11005 USAI, A., and CORAZZI, L. Qualitative research on traces of nitrobenzol in products containing it. (It) *Rass. Chim.* 18(5):226-227. Sept./Oct. 1966. 385 R18
In beverages.
- 11006 WEGER, B. Abnormal reaction of the red wine to the heat test. (Ge) *Weinberg Keller* 12(10):481-484. Oct. 1965. 95.8 W435
English summary.
Includes clarification.
- 11007 WHITE, J. Wort aeration. III. *Brewers Dig.* 41(10):76-80. Oct. 1966. 390.8 B75
- 11008 WILLIAMSON, A. P. Review of production and consumption. *Cocoa Growers' Bull.* 7:6-8. Summer 1966. 68.38 C642
- 11009 WONG, G., and CAPUTI, A. A new indicator for total acid determination in wines. *Amer. J. Enol. Viticult.* 17(3):174-177. July/Sept. 1966. 390.9 Am33

DAIRY PRODUCTS

Analysis and Composition

- 11010 ANTONOV, S. The dairy industry and the new Five-Year-Plan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130: 80-87. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from Molochnaya Promyshlennost' 5:1-5. 1966.
Issued by CFSTI
- 11011 BOGDANOVA, L. Milk industry of the Far East as reflected in the new Five-Year Plan. (Rus) Moloch. Prom. 9:34-37. Sept. 1966. 44.8 M734
- 11012 CANADIAN DAIRY AND ICE CREAM JOURNAL. Dairy industry buyer's guide and directory. Can. Dairy Ice Cream J. 45(11):43-89. Nov. 1966. 44.8 C162
- 11013 CLIFTON, E. S., and CLIFTON, C. L. A milk shortage ahead? Hoard's Dairyman 111(20): 1217,1233. Oct. 25, 1966. 44.8 H65
- 11014 DE, S. Problems of surplus milk-fat in India. Indian Dairyman 18(8):281. Aug. 1966. 44.8 In282
- 11015 DOLZHANOV, P. 100th anniversary of the research and technical associations in the USSR. (Rus) Moloch. Prom. 11:10-13. Nov. 1966. 44.8 M734
Includes dairy and food associations.
- 11016 ELLERT, H. The Danish dairy industry. Milk Board J. 17(8):13-15, 17. Aug. 1966. 44.8 M5934
- 11017 FATOUX, A. Goat milk and goat cheese in France. Brit. Goat Soc. Year Book 1966:41-45. 40.19 B77
Industry.
- 11018 FORNARI, B. Analysis of the Italian dairy industry balance-sheet. (It) Mondo Latte 20(7): 546-551. July 1966. 44.8 M74
English summary.
- 11019 IWEMA, S. Agricultural Week and milk. (Du) Landbouwkundig Tijdschr. 78(8):273. Aug. 1966. 105.2 Or3
Dairy policy.
- 11020 KLIMENKO, B. Urgent tasks for the development of cheese making. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:66-76. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from Molochnaya Promyshlennost' 6:6-10. June 1966.
Issued by CFSTI
- 11021 MILKIE, R. C. Tips to engineers and architects for plant layout. Southern Dairy Prod. J. 79(4):44,46-47,51. Oct. 1966. 44.8 So83
- 11022 MIRONOVA, V. Economic expediency of specialized enterprises. (Rus) Moloch. Prom. 11:32-34. Nov. 1966. 44.8 M734
Dairy industry.
- 11023 OPPENHEIM, J. F. The great cheeses of France. (It) Mondo Latte 20(9):714-716. Sept. 1966. 44.8 M74
Brie, Camembert, and Roquefort.
- 11024 PATES, J. L. Low-fat dairy spread shows promise. Hoard's Dairyman 111(19):1157-1158. Oct. 10, 1966. 44.8 H65
- 11025 PRIMATESTA, G. Once upon a time, in the year 1938. (It) Mondo Latte 20(9):711-713. Sept. 1966. 44.8 M74
Dairy legislation.
- 11026 RIEL, R. R. Some pending technological problems in the butter industry. Can. Dairy Ice Cream J. 45(11):28-30. Ref. Nov. 1966. 44.8 C162
- 11027 RYZHENKO, L. Milk industry in the Ukraine. (Rus) Moloch. Prom. 10:1-4. Oct. 1966. 44.8 M734
- 11028 SHAKIN, A. Dairy industry in Kazakh SSR. (Rus) Moloch. Prom. 11:13-14. Nov. 1966. 44.8 M734
- 11029 TILLAMOOK COUNTY CREAMERY ASSOCIATION. 57 annual report, fiscal year April 1, 1966, calendar year 1966. n.p., 1966. 18 p. 44.9 T46
- 11030 WHITLOCK, R. Where will our milk come from? Agr. Merchant 46(10):59-61. Oct. 1966. 10 Ag89
Dairy industry in Great Britain.
- 11031 ARTEOMOV, A. A. Staphylococcal background of raw milk. (Uk) Mikrobiol. Zhur. 27(6):41-43. 1965. 44.8 K54
English summary.
- 11032 BIELER, C. Microbiological observations on a cheese type sold in Turin. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:11-22. Ref. 1964. 41.9 T843
French summary.
- 11033 BRAZIS, A. R., and BLACK, L. A. Some factors affecting the correlation of methylene blue reduction times and standard plate counts of raw milk. J. Milk Food Technol. 29(8):255-259. Aug. 1966. 44.8 J824
- 11034 CHOMAKOV, KH. Investigating lactic acid bacteria in kumiss. (Rus) Moloch. Prom. 11: 44-45. Ref. Nov. 1966. 44.8 M734
- 11035 DOLGE, K. L. The ups and downs of butterfat tests. Agrway Coop. 2(10):12-13. Oct. 1966. 230.28 Ag9
- 11036 ERBERSDOBLER, H., and ZUCKER, H. Studies on the content of lysine and available lysine in skim milk powder. (Ge) Milchwissenschaft 21(9):564-568. Ref. Sept. 1966. 44.8 M5933
English summary.
- 11037 FARAONE, P. On the frequency of the Staphylococcus pathogen in milk products. (It) Mondo Latte 20(7):539-542. Ref. July 1966. 44.8 M74
English summary.
- 11038 FATOUX, A. Some figures relating to the composition of goats' milk. Brit. Goat Soc. Year Book 1966:18-20. 40.19 B77
- 11039 FEAGAN, J. T., GRIFFIN, A. T., and LLOYD, G. T. Effect of different electrolytes on heat-stability curves of milk from cows free from udder infections. J. Dairy Sci. 49(8):1010-1011. Aug. 1966. 44.8 J822
- 11040 GAFFNEY, P. J., HARPER, W. J., and GOULD, I. A. Distribution of lipase among components of a water extract of rennet casein. J. Dairy Sci. 49(8):921-924. Ref. Aug. 1966. 44.8 J822
- 11041 GIBSON, D. L., and MOHAN, N. K. Coliforms in fruit and nut ice cream. Can. Dairy Ice Cream J. 45(10):24-26. Ref. Oct. 1966. 44.8 C162
- 11042 GUDKOV, A. Determination of the anaerobic spore quantities in milk products. (Rus) Moloch. Prom. 11:18-20. Nov. 1966. 44.8 M734
Chiefly Clostridium.
- 11043 HANNI, H., and RYSER, H. Determination of the water and fat content of soft-paste cheeses. (Fr) Schweiz. Milchzeitung 92(83):669-670. Oct. 18, 1966. 44.8 Sch92
- 11044 HANNI, H. A new process for fat determination. (Ge) Schweiz. Milchzeitung 92(83):667-668. Oct. 18, 1966. 44.8 Sch92
In milk and cream.
- 11045 HILL, R. D., and LAING, R. R. Inactivation of rennin by dansyl. Nature [London] 210(5041): 1160-1161. Ref. June 11, 1966. 472 N21
- 11046 HOLSINGER, V. H., and PALLANSCH, M. J. Composition of seams in Cheddar cheese. J. Dairy Sci. 49(8):925-927. Aug. 1966. 44.8 J822
- 11047 HORWITZ, W. Report on dairy products. Ass. Off. Anal. Chem. J. 49(1):56-62. Feb. 1966. 381 A87
- 11048 KHATRI, L. L., LIBBEY, L. M., and DAY, E. A. Gas chromatographic and mass spectral identification of some volatile components of gamma-irradiated milk fat. J. Agr. Food Chem. 14(5):465-469. Ref. Sept./Oct. 1966. 381 J8223
- 11049 KIRCHMEIER, O. Studies on the coagulation behaviour of genuine casein particles. (Ge) Milchwissenschaft 21(9):556-559. Sept. 1966. 44.8 M5933
English summary.
- 11050 KISHONTI, E., and SJOSTROM, G. A silica gel medium for butyric acid bacteria. (Ge) Milchwissenschaft 21(9):559-561. Sept. 1966. 44.8 M5933

- 11051 KURMANN, J. A. The methylene blue reductase test, a simple test for the preparation and analysis of lactic streptococci yeasts in the manufacture of cheeses. (Fr) *Lait* 46(457): 395-405, July/Aug. 1966, 44.8 L143
English summary.
- 11052 LANGNER, H. J. Comparative photometric and gas chromatographic determination of lactic acid in bacterial cultures. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(4):218-221, 1966, 384 Z39
- 11053 LORENZOLA, J. B., and TORAZZO, P. On the presence of horse fat in butter. (It) *Mondo Latte* 20(8):613-619, Aug. 1966, 44.8 M74
English summary.
- 11054 MARINI, E. Sheep's milk: characteristics and number of aldehydes. (It) *Cuneo. Cam. Com. Indus. Agr. Not. Camerale* 21(17):501-504, Ref. Sept. 15, 1966, 287 C91
- 11055 MIKHAILUS', I., and MIKAILUS', R. Determining solids-not-fat substances in butter. (Rus) *Moloch. Prom.* 10:31-32, Oct. 1966, 44.8 M734
- 11056 MILLER, C. Variation in butterfat test. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):502-505, May 1966, 100 M585
- 11057 NIELSEN, E. W. Investigations concerning the relation between oxygen content and bacterial count in milk. (Da) *Maelkeritidende* 79(41):853-856; (42):876-885, Oct. 14-Oct. 21, 1966, 44.8 M26
English summary.
- 11058 OVANOVA, T. Change of colloidal stability of milk. (Rus) *Moloch. Prom.* 9:12-15, Ref. Sept. 1966, 44.8 M734
In the process of fermentation.
- 11059 OVERBY, A. J., and VIGH-LARSEN, M. Investigations on the manganese content of milk and its influence on the starter. Denmark. *Vet. - Landbohøjsk. Arsskr.*, 1966:101-117, Ref. 104 D41A
- 11060 ORR, M. D., and VITOLS, E. Thioredoxin from *Lactobacillus leichmannii* and its role as hydrogen donor for ribonucleoside triphosphate reductase. *Biochem. Biophys. Res. Commun.* 25 (1):109-115, Oct. 5, 1966, 44.8 B5236
- 11061 PULAY, G., SZABO, G., and BITTERA, R. Z. Data on the bactericidal effect of pasteurization on ewes' milk. (Hu) *Tejipari Kutatasi Kozlemenyek* 8(1):52-61, Ref. 1965, 44.8 T234
English summary.
- 11062 RANDOLPH, H. E., LANGLOIS, B. E., and CONNER, D. J. Variations in temperature of farm bulk tank milk at time of pick up. *J. Milk Food Technol.* 29(9):276-278, Sept. 1966, 44.8 J824
- 11063 RENNER, E., SCHUSTER, J., and KIERMEIER, F. Studies on the relationship between the components of cheese milk and those of the cheese. (Ge) *Milchwissenschaft* 21(9):551-556, Ref. Sept. 1966, 44.8 M5933
English summary.
- 11064 SEDLACEK, B. A. J., and DUSEK, P. Rapid methods for the complexometric determination of calcium in milk. II. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 129(6):333-337, 1966, 384 Z39
- 11065 SHAHANI, K. M. Milk enzymes: their role and significance. *J. Dairy Sci.* 49(8):907-920, Ref. p.917-920, Aug. 1966, 44.8 J822
- 11066 SOLMS-BARTH, H. GRAF ZU. Influence of temperature and mechanical handling on the xanthine dehydrase activity of milk. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130 (5):291-295, Ref. 1966, 384 Z39
- 11067 TSAREGRADSKAYA, I. Method of the quantitative determination of lipolytic microorganisms in milk and the milk products. (Rus) *Moloch. Prom.* 11:20-21, Nov. 1966, 44.8 M734
- 11068 VESELOVSKAYA, N. Determination of solids-not-fat in milk. (Rus) *Moloch. Prom.* 10:17-19, Oct. 1966, 44.8 M734
- 11069 VESELOVSKAYA, N., and GARMASH, V. Laboratory practices of improving milk and cream quality. (Rus) *Moloch. Prom.* 11:24-26, Nov. 1966, 44.8 M734
- 11070 WALL, M. A., and GOLDIN, A. S. Precision and sensitivity of gamma spectrometric measurements in milk. *Radiol. Health Data Rep.* 7 (10):555-559, Oct. 1966, 151.65 R11
- 11071 WASSERFALL, F. The design and evaluation of multiple factor experiments in microbiology. (Ge) *Milchwissenschaft* 21(9):568-576, Ref. Sept. 1966, 44.8 M5933
English summary.
- 11072 WOYCHIK, J. H., KALAN, E. B., and NOELKEN, M. E. Chromatographic isolation and partial characterization of reduced kappa-casein components. *Biochemistry* 5(7):2276-2282, Ref. July 1966, 381 B523

Consumption and Utilization

- 11073 GENIN, G. Recent research on the use of cheese whey. (Fr) *Lait* 46(457):421-427, Ref. July/Aug. 1966, 44.8 L143
- 11074 PARRY, S. P., and CHILDRESS, R. A. Attitudinal changes toward milk by students at different grade levels. *Milk Dealer* 56(2):34-36, Nov. 1966, 44.8 M595
- 11075 RASTOGLI, B. K. Economic methods of utilizing surplus milk-fat. *Indian Dairyman* 18(8): 283-286, Aug. 1966, 44.8 In282

Distribution, Marketing, and Transportation

- 11076 BOISCLAIR, G. Milk in the schools leads to school canteens. (Fr) *Rev. Lait. Franc.* 228: 24-25, Jan. 1966, 44.8 In2
Promotion.
- 11077 DAIRYMEN'S LEAGUE COOPERATIVE ASSOCIATION. Story of the year; financial report for fiscal year ending March 31, 1966, New York, 1966, 4 p. 44.9 D143
- 11078 GATES, J. M., and KOTTKE, M. W. The dynamics of milk supply in southeast New England. Conn. (Storrs) *Agr. Exp. Sta. Bull.* 395, 20 p. Ref. Mar. 1966, 100 C765
Combination of recursive programming, Markov chain analysis and regression analysis is used.
- 11079 JOHNSTON, J. A. How cheese is marketed in Ontario. *Can. Dairy Ice Cream J.* 45(11):34-38, Nov. 1966, 44.8 C162
- 11080 LOUISIANA, DEPT. OF AGRICULTURE AND IMMIGRATION, DIV. OF MILK TESTING. Louisiana annual milk marketing report, 1965. Baton Rouge, 1966, 38 p. 252.33 Ag823
Statistical.
- 11081 NEW SOUTH WALES, MILK BOARD. Report for the year ended 30th June, 1965. 24 p., map. Sydney, 1966, 281.3449 M472
- 11082 NORTHERN IRELAND, MILK MARKETING BOARD. Eleventh annual report and accounts for the year ended 31st March, 1966, Belfast, 1966, 35 p. 280.3449 N81
- 11083 SEAYER, S. K., and HARDIE, I. W. The economics of advertising: milk, a special case. Conn. (Storrs) *Agr. Exp. Sta. Res. Rep.* 12, 12 p. June 1966, 100 C76Re
- 11084 SHUKLA, L. K. Marketing of butter-fat (ghee). *Indian Dairyman* 18(8):287-289, Aug. 1966, 44.8 In282
- 11085 TERTEROV, M. Cooperation of the milk loading station with the railroad milk containers. (Rus) *Moloch. Prom.* 10:34-35, Oct. 1966, 44.8 M734
- 11086 U. S. CONSUMER AND MARKETING SERV. Summary of major provisions in Federal milk marketing orders. Washington, 1966, 78 p., map. aHD9282.U5A3
Statistics.

Grading, Inspection, Standardization, and Quality

- 11087 CHRISTENSEN, J. C. Better milk. (Da) *Landbonyt* 20(5):327-332, Oct. 1966, 11 L2322

- 11089 EHRSTROM, W. The start and development of the public milk control in Finland. A historical review. (Sw) Suomen Eläinlääkärilehti 72(8): 293-311. Aug. 1966. 41.8 F49
- 11090 FILEV, F. Microbiological studies on the equipment used in the production of butter. (Bu) Vet. Med. Nauk. 3(1):61-65. 1966. 41.8 V6468
English summary.
- 11091 GORI, R. DE'. Pecorino. (It) G. Agr. 76(37): 388. Sept. 11, 1966. 16 ItIG
Regulation of the cheese.
- 11092 HUBNER, H. Die Verteilung von Strontium-85-89 in Ziegenmilch nach Sr-Inkorporation und in-vitro-Kontamination [The distribution of strontium-85-89 in goat milk following Sr-incorporation and in vitro contamination]. Hanover, Tierarztl. Hochsch. Inaug.-Diss. 26,50 p. 1965. 41.2 H198
Bibliography, p. 42-49.
- 11093 JONES, T. L. Questions and answers about 3-A sanitary standards for dairy equipment. J. Milk Food Technol. 29(7):224-227. July 1966. 44.8 J824
- 11094 KHARITONOV, D. Improving quality and assortment of the milk products. (Rus) Moloch. Prom. 9:23-24. Sept. 1966. 44.8 M734
Policies.
- 11095 LANGLOIS, B. E., RANDOLPH, H. E., and CRUME, N. M. Keeping quality of dairy products obtained at retail outlets. 1. Low-fat milk, skimmilk and chocolate flavored milk. J. Milk Food Technol. 29(7):214-217. July 1966. 44.8 J824
- 11096 MAKAREVICH, L., and LUSHTAK, A. Data processing equipment for determination of milk quality. (Rus) Moloch. Prom. 10:16-17. Oct. 1966. 44.8 M734
- 11097 MROZEK, H. Do chlorine residues harm the suitability of milk for cheese manufacture? (Fr) Schweiz. Milchzeitung 92(81):652-653. Oct. 11, 1966. 44.8 Sch92
- 11098 OSKARDOV, P. Milk whey. (Rus) Zakupki Sel'skokhoz. Prod. 9:25-26. Sept. 1966. 280.38 Z14
Chiefly regulations.
- 11099 PARINOV, M., and PEREPECHKO, V. Activities of the Republic Production-Control Laboratory [Kontrol'no-Proizvodstvennaya Laboratoriya Belorusskoi SSR]. (Rus) Moloch. Prom. 10:28-30. Oct. 1966. 44.8 M734
Grading of dairy products.
- 11100 SARAND, L., and SERGEEVA, V. Drinking milk with increased content of the solids-not-fat substances. (Rus) Moloch. Prom. 10:26-27. Oct. 1966. 44.8 M734
Regulation and grading.
- 11101 SERVAIS, J., and RYSKENS, A. Determination of milk and cream quality in 1965. (Fr) Rev. Agr. [Brussels] 19(7/8):745-757. July/Aug. 1966. 13 R322
Grading.
- 11102 SMITH, W. G. Central store improves farmhouse cheese quality. Dairy Indus. 31(10):814-818, map. Oct. 1966. 44.8 D1427
Grading center.
- 11103 STULL, J. W., and others. Variability of secretion of DDT in milk. J. Dairy Sci. 49(8): 945-947. Aug. 1966. 44.8 J822
W. H. Brown, F. M. Whiting, and J. M. Witt, joint authors.
- 11104 TALLIAN, L. The pesticide jungle: the incredible story of poisons in milk. Sunnyside, California, 1966. 78 p. TX571.P4T3
Bibliography, p. 71-78.
- 11105 TOWNSEND, L. Kentucky develops new guidelines for bulk tank milk haulers. Mod. Milk Hauler 6(10):8-9. Aug. 1966. 280.38 M72
Sanitation and regulation.
- 11106 TRUB, C. L. P., and POSCH, J. Public health supervision of the ice cream business and ice cream plants as well as of mobile selling of food and condiments, including tobacco products. 11 p. Transl. 16089
Translation from Deutsche Lebensmittel-Rundschau 57(3):57-60. Mar. 1961.
- 11107 WARD, G. M., JOHNSON, J. E., and WILSON, D. W. Deposition of fallout cesium 137 on forage and transfer to milk. Public Health Rep. 81(7):639-645. Ref. July 1966. 151.65 P96
- 11108 WYKES, E. R. Cesium-137 and strontium-90 in a dairyland environment. Radiol. Health Data Rep. 7(9):545-548, map. Sept. 1966. 151.65 R11
In milk, soils, and plants on dairy farms.
- 11109 YUZVYAK, A., and TUREVSKAYA, S. Graphical method to determine corrosion of the washing substances. (Rus) Moloch. Prom. 11: 22-23. Nov. 1966. 44.8 M734
Sanitation of dairy equipment.

Packing and Packaging

- 11109 BELYAEV, A. A new washing equipment. (Rus) Moloch. Prom. 10:24-26. Oct. 1966. 44.8 M734
For milk containers.
- 11110 FLUCKIGER, E. Present situation and new ways of milk packing. (Ge) Schweiz. Milchzeitung 92(82):663. Oct. 14, 1966. 44.8 Sch92
- 11111 GEWESSLER, F. Modern tank cleaning. (Ge) Deut. Molch.-Zeitung 87(39):1679-1681. Sept. 29, 1966. 44.8 Su2
- 11112 KUDRYAVTSEVA, V., IZMAILOV, A., and DANILOVA, N. Investigating corrosion resistance of the tin-iron alloy covers used in packing of food. (Rus) Moloch. Prom. 9:16-18. Sept. 1966. 44.8 M734
Dairy products.
- 11113 LAWLIER, F. K. Develops aseptic bottling. Food Eng. 38(10):76-78. Oct. 1966. 389.8 F737
For milk.
- 11114 ORLOVA, N. Camera and needle type equipment used for cheese packing with polyethylene. (Rus) Moloch. Prom. 9:25-28. Sept. 1966. 44.8 M734
- 11115 ZNAMENSKII, N., ZHUKOLENKO, V., and NIKOLAEVSKAYA, S. Storing cream in the polyethylene package. (Rus) Moloch. Prom. 10:22-24. Oct. 1966. 44.8 M734

Prices, Price Control, and Rationing

- 11116 APLING, R. D. Keeping up to date on the milk situation. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:36-37. A281.9 V59
Chiefly prices in New England.
- 11117 BEHME, G. Why do dairies pay different amounts for milk? (Ge) Mitt. Deut. Landwirt.-Ges. 31(37):1378, 1380, 1382, 1384. Sept. 15, 1966. 18 N39
Prices.
- 11118 GAY, J. Milk price structure in the European Common Market countries with special emphasis on protein content. (Ge) Tierzuechter 18 (13):455-457. July 5, 1966. 49 T445

Processing and Storage

- 11119 ABO-ELNAGA, I. G. Influence of heat-treatment on bacterial content of milk. (Ge) Milchwissenschaft 21(9):561-564. Ref. Sept. 1966. 44.8 M5933
English summary.
- 11120 AL'-ALYUSI, S. Starters for the butter made from sour cream. (Rus) Moloch. Prom. 9:18-21. Sept. 1966. 44.8 M734
- 11121 BASKETT, R. G. The National Institute for Research in Dairying. Roy. Agr. Soc. Engl. J. 126:86-92. 1965. 10 R81
- 11122 BERRIDGE, N. J. A note on the self-regulating capability of a starter organism in continuous culture. Soc. Dairy Technol. J. 19(4):232-233. Oct. 1966. 44.8 S012
- 11123 BRAND, A. Note on Reblochon. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.) 15:473-474. 1964/65, pub. 1966. 281.9 Ec7
Cheese manufacture.

- 11124 BUTIN, V., and GURYANOV, A. Dividing method of the Cottage cheese processing on production line. (Rus) *Moloch. Prom.* 10:6-12. Oct. 1966. 44.8 M734
- 11125 CASTIGLIONI, N. V. Refrigeration and collecting of butter. (It) *Mondo Latte* 20(8):620-622. Aug. 1966. 44.8 M74
In various countries.
- 11126 CHARBONNIER, E. The Samoens cooperative cheese factory. (Fr) *Fed. Franc. Econ. Montagne. Bull.* (n.s.) 15:457-458. 1964/65, pub. 1966. 281.9 Ec7
- 11127 CULLIP, C. W. Research and development in the dairy industry: Concentrated and manufactured milk. *Soc. Dairy Technol. J.* 19(4):201-205. Oct. 1966. 44.8 Sol2
- 11129 DESBORDES, J., and NINARD, B. Study of the results of the action of heat on milk contaminated by pathogenic mycobacteria (Lait de the results of pasteurization). (Fr) *Laif* 46(457):407-420. Ref. July/Aug. 1966. 44.8 L143
English summary.
- 11129 DIJKSTRA, H. Dairy preparation on the farm. (Du) *Landbouwkundig Tijdschr.* 78(9):312-317. Sept. 1966. 105.2 Or3
Costs of cheese manufacture and consumer milk processing.
- 11130 DUDEKOV, A., BEZBORODKO, V., and GOLCHENKO, N. A simplified method of determining the activities of nutritional pepsin. (Rus) *Moloch. Prom.* 9:29-30. Sept. 1966. 44.8 M734
In milk fermentation.
- 11131 DUVEN, J. E. Refrigerated farm milk as raw material for the dairy factory. (Du) *Veeteelt Zuivelber.* 9(3):105-109. Ref. Mar. 1966. 49 V51
- 11132 FISKE, A. N. Some observations on butter production in U.S.A. and Canada. (Da) *Maelkeritidende* 79(35):686-694. (Cont.) Sept. 2, 1966. 44.8 M26
Manufacture and packing.
- 11133 FOLEY, J., and SHEURING, J. J. Cause of microbial death during freezing in a soft-serve ice cream freezer. *J. Dairy Sci.* 49(8):928-932. Ref. Aug. 1966. 44.8 J822
- 11134 GEIMUR, S. Manufacturing Cottage cheese with cream and the kefir in tanks. (Rus) *Moloch. Prom.* 11:28. Nov. 1966. 44.8 M734
- 11135 GELBER, P. Instantized spray dried product at lower cost. *Food Process./Marketing* [Chicago] 27(10):114-117. Oct. 1966. 389.8 F7325
Foam drying process to produce instant non-fat milk.
- 11136 HALDEN, W. Milk in irradiation. (Ge) *L E (Lebensmittel Ernahr.)* 9:4-8. Sept. 1966. 389.8 Z34
- 11137 HANSEN, R. Ultra high sterilized milk is upon us. (Da) *Nord. Mejeri-Tidsskr.* 32(8):207-208, 210-212. 1966. 44.8 N752
- 11138 HUHTANEN, C. N. Effect of ultrasound on disaggregation of milk bacteria. *J. Dairy Sci.* 49(8):1008-1010. Aug. 1966. 44.8 J822
- 11139 IANNUZZI, L. Observations on the influence of congelation on the viscous value of fresh and pasteurized milk. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:293-306. 1964. 41.9 T843
French summary.
- 11140 INSTITUT NATIONAL DE GESTION ET D'ECONOMIE RURALE, SERV. D'ETUDES DE LA RENTABILITE DE LA MECANISATION AGRICOLE. Cooling of milk. (Fr) *Organ. Gestion Entrep. Agr.* 31(Etude 311), 8 p. Jan./Feb. 1966. 281.8 Or33
- 11141 KHASINA, A., and BERKOVICH, YU. Glass washing detergent. (Rus) *Moloch. Prom.* 11:27-28. Nov. 1966. 44.8 M734
Dairy equipment.
- 11142 KING, J. E. Research and development in the dairy industry: butter. *Soc. Dairy Technol. J.* 19(4):182-195. Ref. Oct. 1966. 44.8 Sol2
Includes discussion.
- 11143 LA FUENTE, B. T. DE, and FRENTZ, R. Thrombelastographic study of coagulation of milk by rennet: action of temperature and calcium concentration. (Fr) *Laif* 46(457):371-393. Ref. July/Aug. 1966. 44.8 L143
English summary.
- 11144 LAZAR, J. T. The use of freeze-dried fruits for flavoring ice cream. *Ice Cream Field Trade J.* 149(1):75-76, 78. Oct. 1966. 389.8 Ic2
- 11145 LEEDER, J. G. Recent developments in ice cream research. *Ice Cream Rev.* 50(3):32-33. Oct. 1966. 389.8 Ic2
- 11146 LITTLE, L. L. Direct acidification methods for making cultured milk products. *Cult. Dairy Prod. J.* 1(2):7-8. In *Milk Dealer* 56(2). Nov. 1966. 44.8 M595
- 11147 MADSEN, F. M., REINOLD, G. W., and CLARK, W. S. Low-fat cheese. *Manufactured Milk Prod. J.* 57(10):18-20, 22. Oct. 1966. 286.85 B98Bu
- 11149 MANN, E. J. International and national aspects of dairy research and development. *Soc. Dairy Technol. J.* 19(4):205-209. Oct. 1966. 44.8 Sol2
- 11149 MANTZANAS, N. Methods for the manufacture of Mitzithra from cow milk. (Gre) *Delt. Agrotikes Trapezes* 151:15-16. July/Aug. 1966. 21.7 D38
- 11150 MOISEEVA, T. Effective use of Cottage cheese whey in manufacturing lactose. (Rus) *Moloch. Prom.* 9:37-40. Sept. 1966. 44.8 M734
- 11151 MOSELEY, W. K. Bacteriophage problems and control. *Milk Dealer* 56(2):30-31. Nov. 1966. 44.8 M595
- 11152 NIKOLAEV, A. Technology of the sheep's milk cheese in Bulgaria. (Rus) *Moloch. Prom.* 9:44-46. Sept. 1966. 44.8 M734
- 11153 NIKULICHEV, P. New instructions for the production of butter. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:77-79. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from *Molochnaya Promyshlennost'* 6:39-40. June 1966.
Issued by CFSTI.
- 11154 NIZHARADZE, R. Cheese crushing equipment. (Rus) *Moloch. Prom.* 10:33. Oct. 1966. 44.8 M734
- 11155 PETROV, N. Developing canned milk industry. (Rus) *Moloch. Prom.* 11:4-7. Nov. 1966. 44.8 M734
Policies chiefly.
- 11156 POTTER, F. E. Sherbat—a product that deserves more attention. *Ice Cream Field Trade J.* 149(1):68, 72. Oct. 1966. 389.8 Ic2
Manufacture.
- 11157 RADEMA, L. Bereiding en beoordeling van consumptie-ijs en roomijs met drie soorten aku-CMC als stabilisatoren [Manufacture and assessment of ice cream and dairy ice cream with three types of Aku-CMC as stabilizers]. *Ned. Inst. Zuivelonderz. Rap.* 51, 11 p. July 1966. 44.9 N28R
English summary.
- 11159 RANDOLPH, H. E. Proper cooling and sanitation—best bacteria control program. *Mod. Milk Hauler* 6(10):5. Aug. 1966. 280.38 M72
- 11159 ROBERTSON, G. M. Research and development in the dairy industry: cheese. *Soc. Dairy Technol. J.* 19(4):195-201. Oct. 1966. 44.8 Sol2
Includes discussion.
- 11160 ROBERTSON, P. S. The influence of vacuum pressing on the texture of Cheddar cheese. *Soc. Dairy Technol. J.* 19(4):225-231. Ref. Oct. 1966. 44.8 Sol2
- 11161 ROBERTSON, P. S. Some cheese starter handling techniques. *Dairy Indus.* 31(10):805-809. Ref. Oct. 1966. 44.8 D1427
- 11162 RYAKHOVSKAYA, I., and GUSS, T. Method of continuous cooling of condensed skim milk with sugar. (Rus) *Moloch. Prom.* 10:27-28. Oct. 1966. 44.8 M734
On production line.
- 11163 SCHULZ, M. E. Dairy technology. (Ge) *Deut. Molk.-Zeitung* 87(38):1648-1650. (Cont.) Sept. 22, 1966. 44.8 Su2
- 11164 SEELEMANN, M. General milk sanitation problems. (Ge) *Suomen Eläinlääkäri-lehti* 72(8):279-293. Aug. 1966. 41.8 F49

- 11165 SEMENOV, I. Sanitation of the dairy farms—a important factor of the high quality production. (Rus) Moloch. Prom. 10:39-40. Oct. 1966. 44.8 M734
- 11166 SHEHATA, A. E., and OLSON, N. F. Manufacture of Blue cheese by direct acidification methods. J. Dairy Sci. 49(8):1025-1031. Ref. Aug. 1966. 44.8 J822
- 11167 SILKIN, N. Processing butter from the sour cream. (Rus) Moloch. Prom. 10:30. Oct. 1966. 44.8 M734
- 11168 STANTON, J. H. Cleaning of evaporators. (Fr) Quebec Lait. Aliment. 25(9):16-18, 21. Oct. 1966. 44.8 Q3
- 11169 STEMP, A. R., and LISKA, B. J. Effects of processing and storage of dairy products on telodrin and methoxychlor residues. J. Dairy Sci. 49(8):1006-1008. Ref. Aug. 1966. 44.8 J822
- 11170 SZEGO, M., and KERESZTESSY, A. Corrosive effect of detergents and antiseptics on certain constructional metal and wood used in the milk industry. (Hu) Tejipari Kutatasi Kozlemenyek 8(1):18-34. Ref. 1965. 44.8 T234
English summary.
- 11171 THOMAS, S. B., DRUCE, R. G., and OWEN-JONES, E. Bulk milk collection: bacteriological quality of milk on arrival at creameries in road tankers. Soc. Dairy Technol. J. 19 (4):222-224. Oct. 1966. 44.8 S02
- 11172 TOBIAS, J. Mix pasteurization—an important step in making quality ice cream. Ice Cream Field Trade J. 149(1):94. Oct. 1966. 389.8 Ic2
- 11173 TOMKA, G., and SZAKALY, S. Experiments on Blue cheese: development of a suitable technology for the ripening process in plastic skin hoses. (Hu) Tejipari Kutatasi Kozlemenyek 8 (1):62-68. Ref. 1965. 44.8 T234
English summary.
- 11174 VAINBERG, A., and KAZAKOV, M. Special instruments and equipment for automation in processing milk products. (Rus) Moloch. Prom. 10:20-22. Oct. 1966. 44.8 M734
- 11175 VAINBERG, A., and KAZAKOV, M. Special instruments and equipment used for automation in processing milk products. (Rus) Moloch. Prom. 9:31-33. Sept. 1966. 44.8 M734
- 11176 NATROUS, G. H. Quality cultured cream and specialized fermented milks. Culk. Dairy Prod. J. 1(2):5-6. In Milk Dealer 56(2). Nov. 1966. 44.8 M595
- 11177 WEISSENBERG, H. Ultra high sterilization trials of milk and dairy products. (Da) Nord. Mejeri-Tidsskr. 32(8):213-217, 219. 1966. 44.8 N752
- FEED AND FORAGE CROPS
- 11178 ACSAY, F. On the economy of processing rough fodder cakes. (Hu) Gazdalkodas 10(4): 69-85. Aug. 1966. 281.8 G25
- 11179 ALLEN, G. C., HODGES, E. F., and DEVERS, M. Feed consumed by various classes of livestock, by States, 1949—50 and 1959—60, with 1964—55 national estimates and comparisons. U. S. D. A. Statist. Bull. 379.50 p., map. Oct. 1966. 1 Ag5438
- 11180 BICKOFF, E. M., and others. 3-methoxycoumestrol from alfalfa: isolation and characterization. J. Agr. Food Chem. 14(5):444-446. Ref. Sept./Oct. 1966. 381 J8223
R. R. Spencer, B. E. Knuckles, and R. E. Lundin, joint authors.
- 11181 BOYD, L. Where to from where. Ass. South-eastern Feed, Fert. Pesticide Contr. Off. Off. Publ., 1964/65:42-45. 389.79 As7
Feed industry.
- 11182 DURIO, P., and SARRA, C. The chemico-bromatological composition of by-products of rice processing. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:273-280. 1964. 41.9 T843
English summary.
As feed.
- 11183 EKELUND, S. Determination of inderose in meadow products, silage, root crops, vines and molasses for the determination of sugar and fructosan content. (Sw) Stockholm. Stat. Lanbrukskem. Kontrollanstalt. Medd. 28:67-71. Ref. 1966. 385 St6
- 11184 EKELUND, S. Determination of undigestible protein with the pepsin-hydrochloric acid method. (Sw) Stockholm. Stat. Lanbrukskem. Kontrollanstalt. Medd. 28:25-36. Ref. 1966. 385 St6
Feed.
- 11185 EPPS, E. A. Report on feeds. Ass. Off. Anal. Chem. J. 49(1):36-37. Feb. 1966. 381 As7
- 11186 GALLOY, A. Three years of experience on forage conditioning in the Province of Luxembourg. (Fr) Rev. Agr. [Brussels] 19(7/8):759-774. July/Aug. 1966. 13 R322
- 11187 GAWECKI, K., and ILECKI, J. Influence of some factors on solanine content in ensiled tops of potatoes. (Pol) Roczn. Nauk Roln. 87-B-3:337-346. Ref. 1966. 20.5 R59
English summary.
- 11188 GREAT BRITAIN. AGRICULTURAL RESEARCH COUNCIL. A bibliography of farm buildings research. VI. Buildings for the processing and storage of fodder. 2nd supplement. 1962-1964. London, 1966. 48 p. 241.4 G795
- 11189 HAGSTROM, B. Botanical investigation. (Sw) Stockholm. Stat. Lanbrukskem. Kontrollanstalt. Medd. 28:19-20. 1966. 385 St6
Feed testing.
- 11190 HEDIN, L., and KERGUELEN, M. Notes on the forage situation in Cerdagne and Capcir. (Fr) Fed. Franc. Econ. Montagn. Bull. (n.s.):15: 417-431. 1964/65 pub. 1966. 281.9 Ec7
Soils, land tenure, pasture ecology, and policy.
- 11191 HEIMBURGE, H. Experience in the ventilation of half-hay pressed balls. (Ge) Feldwirtschaft 7(5):257-259. May 1966. 18 W63
- 11192 KARTUS, E., and ENGEBECK, K. Chemical investigation of plant products and feed, 1964/1965. (Sw) Stockholm. Stat. Lanbrukskem. Kontrollanstalt. Medd. 28:13-18. 1966. 385 St6
- 11193 KIRLOSAR, M. S., and BHAGWAT, A. L. It costs less to manufacture your own poultry feed. Indian Livestock 3(3):35-36, 46. July/Sept. 1965. 49 In23
Processing and processing equipment.
- 11194 KVASNYKOV, YE. I., ISAKOVA, D. M., and NESTERENKO, O. O. Use of some wastes of antibiotics production for growing feed yeasts. (Uk) Mikrobiol. Zhur. 27(5):80-84. 1965. 448.3 K54
- 11195 LUHMAN, C. A. Report on drugs in feeds. Ass. Off. Anal. Chem. J. 49(1):51-52. Feb. 1966. 381 As7
- 11196 MEDINA BLANCO E., M., and others. Comparative experiences on silages. (Sp) Arch. Zootec. 15(58):111-121. Ref. Apr./June 1966. 49 Ar22
E. Peinado Lucena, A. G. Gomez Castro, and A. Gasca Arroyo, joint authors.
English summary.
Chiefly analysis.
- 11197 MORTARI, G. Legal regulations on the manufacture and trade with feeds in Italy. (Ge) Kraftfutter 49(9):454, 456. Sept. 1966. 389.78 K85
- 11198 NYIREDY, I., and BODNAR, M. Investigations on the occurrence and aflatoxin-producing capacity of Aspergillus flavus strains in home produced fodders. (Hu) Magyar Allatorv. Lapja 21(8):352-354. Aug. 1966. 41.8 V644
English summary.
- 11199 PALOHEIMO, L. Determination of cellulose substances in feed and feces. (Sw) Nord. Jordbruksforsk. 47(4):254-256. 1965. 11 N752
- 11200 PANSKIKH, K. Increasing production of concentrated feed for poultry. (Rus) Zakupki Sel'skokhoz. Prod. 9:37-40. Sept. 1966. 280.38 Z14

- 11201 POGORZELSKA, A., and WENCEL, Z. The influence of antibiotic-containing fodder mixtures on carriage of antibiotic-resistant staphylococci in a rural environment. *Exp. Med. Microbiol.* 17(3):237-239, 1965. 448.8 Ex7Ae
- 11202 RANDLE, S. B. Pet food requirements face challenges from world's hungry humans. *Feed Bag* 42(10):38-39. Oct. 1966. 389.78 F32
Possibility of new feed sources and their regulation.
- 11203 RASMUSSEN, P. Pit storage of forage sugar beets. (Da) *Dyrker-Nyt* 31:489-492. June 1966. 66.8 D99
- 11204 RIVOECCHI, L. C. V. Legislative regulation of feed preparation and trade. (It) *Tec. Molitoria* 17(16):402-413. Ref. Aug. 30, 1966. 298.8 Se42
- 11205 ROBERTS, D. Portable feed mills—are they profitable? *Can. Milling Feed* 47(9):11-14. Sept. 1966. 298.8 C162
- 11206 ROBERTS, D. Prospects for Alberta feed sales. *Can. Milling Feed* 47(9):15-19. Sept. 1966. 298.8 C162
- 11207 ROSSOLL, E. The promotion of the silo economy in Austria. (Ge) *Forderungsdienst* 14(4):109-112. Apr. 1966. 19 F75
Statistics of silos and farms having them included.
- 11208 SCHALL, E. D., and others. Inspection of commercial feeds. *Ind. Agr. Exp. Sta. Insp. Rep.* 61, 38 p. May 1966. 280.39 In22
F. W. Quackenbush, P. B. Curtis, and J. G. Eikenberry, joint authors.
- 11209 SCHILLINGER, J. A., and ELLIOTT, F. C. Bioassays for nutritive value of individual alfalfa plants. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):580-590. May 1966. 100 M585
- 11210 SCHILT, L. Once there—what. *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Publ.* 1964/65:92-98. 389.79 As7
Feed industry and regulation.
- 11211 SHIRLEY, R. L. Do regulatory standards make for better feeds today? *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Publ.* 1964/65:72-82. 389.79 As7
- 11212 SOUTHALL, B. W. A report from FDA. *Ass. Southern Feed, Fert. Pesticide Contr. Offic. Publ.* 1964/65:83-91. 389.79 As7
Feed regulation.
- 11213 STRASS, W. Procedures in the storing of silo feed. (Ge) *Chem. Tech. Landwirt.* 17(9):314-316. 1966. 384 C4292
Includes handling equipment.
- 11214 TONEV, M. Investigations into the sources and pathways of contamination of bonemeal with Salmonella. (Bul) *Vet. Med. Nauk.* 3(1):29-35. Ref. 1966. 418 V6468
English summary.
- 11215 WALKER, I. K., PATERSON, G. F., and TILBURY, A. L. Diffusion of regain in bulk wool. 3. Regain changes in cylinders open at one end. *New Zeal. J. Sci.* 9(2):287-302. Ref. June 1966. 514 N482
- 11216 WEST VIRGINIA. DEPT. OF AGRICULTURE. Feed inspection report, July 1, 1965—June 30, 1966. *W. Va. Dep. Agr. Bull.* (n.s.) 134, 40 p. 1966. 2 W522
- 11217 WRIGHT, W. W. Report on the determination of antibiotics in feeds and other products. *Ass. Offic. Anal. Chem. J.* 49(1):48-49. Feb. 1966. 381 As7
- FIBERS AND TEXTILES
- 11218 ALZINA PONSETI, J. The world wool industry. (Sp) *Ing. Textil* 33(213):741-748. Aug. 1966. 304.8 In4
- 11219 AMERICAN SOCIETY FOR TESTING AND MATERIALS. 1966 book of ASTM standards with related material. Part 25. Textile materials—fibers and zippers. Philadelphia, 1966. 632 p. Ref. 290.9 Am345
- 11220 ARTHUR, J. C., and GRANT, J. N. Recovery behavior of single fibers of radiation-induced graft copolymers of cyanoethylated cotton and acrylonitrile. *Textile Res. J.* 36(10):934-935. Oct. 1966. 304.8 T293
- 11221 BAKANENKOV, I. Improving purchasing of wool made by cooperatives. (Rus) *Zakupki Sel'skokhoz. Prod.* 9:28-30. Sept. 1966. 280.38 Z14
Includes policies.
- 11222 BENDIT, E. G. Effect of formic acid on the structure of alpha-keratin. *Nature [London]* 211(5055):1257-1259. Ref. Sept. 17, 1966. 472 N21
In wool.
- 11223 BHATTACHARYYA, J. P., and BASU, S. N. Detection of bacteria on jute and cotton by staining. *Textile Res. J.* 36(10):937-938. Oct. 1966. 304.8 T293
- 11224 BONTE, E. Problems of retting connected with flax spinning. (Fr) *Inst. Textile France. Bull.* 125:609-640. July/Aug. 1966. 304.8 T3145
English summary.
- 11225 BROOKS, R. C. Cotton marketing guide for 1966; southern and eastern area. *N. C. Univ. Ext. Leaf.* 119, 6 p.-folder. Aug. 1966. 275.29 N811L
- 11226 BROOKS, R. C. Cotton marketing guide for 1966; western area. *N. C. Univ. Ext. Leaf.* 118, 6 p.-folder. Aug. 1966. 275.29 N811L
- 11227 BROWN, R. S., RHODES, P. L., and MILLER, A. L. The effect of production rate on card loading. *Textile Bull.* 92(11):30-32. Nov. 1966. 304.8 So82
Cotton.
- 11228 CHABERT, J. Contribution to the physical-chemical study of water vapor absorption by textile fibers. (Fr) *Inst. Textile France. Bull.* 125:583-608. Ref. July/Aug. 1966. 304.8 T3145
English summary.
- 11229 CLAYTON, L. B. Wool-blend fabric production. *U. S. D. A. Econ. Res. Serv. TWS-77:15-18.* Oct. 1966. 1.9 Ec752Ww
- 11230 DORSET, B. C. M. Recent developments in wash-and-wear finishing. *Textile Manufacturer* 92(1102):414, 416-419. Oct. 1966. 304.8 T3126
- 11231 EGOROV, M. E., LEBEDEV, YA. A., and ZUBOV, F. V. Improving evaluation of the flax straw quality. (Rus) *Len Konoplya* 16:21-22. 1966. 73.8 L542
- 11232 EVANS, G. W., and MILLIGAN, B. Studies on wool yellowing. XIV. Attempts to inhibit sunlight yellowing. *Textile Res. J.* 36(10):927-928. Oct. 1966. 304.8 T293
- 11233 FELDTMAN, H. D., and MCPHEE, J. R. Application of polyacrylates to wool by an exhaustion method. *Textile Res. J.* 36(10):935-937. Oct. 1966. 304.8 T293
- 11234 FEUGHELMAN, M. Sulphydryl-disulphide interchange and the stability of keratin structure. *Nature [London]* 211(5055):1259-1260. Sept. 17, 1966. 472 N21
In wool.
- 11235 FLEMMING, H. Extreme material combinations demonstrated by the example of a glass-fiber reinforced flax shive board. (Ge) *Holztechnologie* 7(3):185-189. Ref. Aug. 1966. 99.8 H744
English summary.
- 11236 FOUNT, L. Improvement of luster of wool fabrics. *Textile Res. J.* 36(10):915-924. Ref. Oct. 1966. 304.8 T293
- 11237 FOUNT, L. Scale angles for wool and mohair. *Textile Res. J.* 36(10):899-902. Oct. 1966. 304.8 T293
Wool properties influencing light scattering of wool.
- 11238 FRICK, J. G., and REID, J. D. Calculation of degree of cellulose cross-linking in wrinkle-resistant cotton. *Textile Res. J.* 36(10):938-939. Oct. 1966. 304.8 T293
- 11239 GALLAGHER, D. M. Formation of methylene links in cotton cellulose by reaction with methylenedisulfuric acid salts. *Textile Res. J.* 36(9):850-853. Sept. 1966. 304.8 T293
- 11240 GUHA, S. R. D., and others. Wrapping, writing and printing papers from bamboo dust. *Indian Pulp Pap.* 21(3):187, 189, 190, 223. Sept. 1966. 302.8 In23
M. M. Singh, Y. K. Sharma, and A. S. Gulati, joint authors.

- 11241 HUDSON, J. F. Changing demand for cotton. *La. Rural Econ.* 28(4):4-5. Nov. 1966. 281.8 L93
- 11242 HUNTER, F. L. From the manufacturers' point of view. *Mod. Textiles Mag.* 47(11):50-52. Nov. 1966. 304.8 R21
Durable press.
- 11243 HURST, J. R. Spinning quality of Alabama cotton. *Highlights Agr. Res. [Ala. Sta.]* 13(3):13. Fall 1966. 100 AL1H
- 11244 INTERNATIONAL FEDERATION OF COTTON AND ALLIED TEXTILE INDUSTRIES. European cotton industry statistics, Volume 8, Number 2, covering the period 1st January to 31st December 1965. Zurich, 1966. 39 p. 304.9 In892E
- 11245 INTERNATIONAL SILK ASSOCIATION. Cruise congress, 21st May-4th June, 1966. *Int. Silk Ass. Bull.* 69:9-53. Aug. 1966. 304.9 In82B
Text also in French.
- 11246 JONES, M. V. Supplement for 1965 to Wool statistics and related data, 1920-1964. U. S. D. A. Statist. Bull. 363(sup.), 130 p. Aug. 1966. 1 Ag848t
- 11247 JOST, H., and ROSE, P. Kinetic research on zinc sulfide with reference to the viscose spinning process. (Ge) *Z. Phys. Chem.* 232(5/6):297-312. 1966. 384 Z37
- 11248 KATZ, H. J. Wrinkling behavior of wool fabrics. I. A multiple-pleat test. *Textile Res. J.* 36(10):874-887. Ref. Oct. 1966. 304.8 T293
- 11249 KRIPATIS, A. A., and KOVALEV, V. B. Urgent needs of the Latvian flax growers. (Rus) *Len Konoplya* 10:36-37. 1966. 73.8 L542
- 11250 KRUGER, T. J., and WET, P. J. DE. Length, fineness and general appearance of wool originating from the Transvaal High Veld. (Af) *S. Afr. J. Agr. Sci.* 9(1):3-22. Ref. Mar. 1966. 24 Su3
English summary.
- 11251 LACKEY, J. Mohair promotion could lag without additional county aid. *Sheep Goat Raiser* 47(2):39. Nov. 1966. 45.8 Sh3
Mohair Promotion Council of America.
- 11252 LANG, W. R., and CAMPBELL, W. K. Relationship of ortho-cortex to the crimp wave in a double-crimped wool. *Nature [London]* 211(5050):757. Aug. 13, 1966. 472 N21
- 11253 LEGRAND, C. Practical method of estimating the degree of order of viscose fibers by X-ray diffraction. (Fr) *Inst. Textile France. Bull.* 125:519-536. July/Aug. 1966. 304.8 T3145
English summary.
- 11254 LINEN FLAX CORPORATION OF NEW ZEALAND. Report, 19th, for the year ended 31 December 1964. Wellington, 1965. 8 p. 281.3739 L64
- 11255 LIPSON, M. Research for wool processing. *Textile J. Australia* 41(9):18, 20, 25-26. Sept. 1966. 304.8 T3134
- 11256 LODIGIANI, A., ed. *Compendio statistico cotoniero internazionale [International statistical cotton compendium]*. Milano, Associazione Cotoniera Italiana, 1966. 91 p. SB249.L6
Unnumbered supplement to *Rivista dell'Industria Cotoniera*.
- 11257 LUND, L. O., SIVERS, C. R., and JANECEK, C. M. Wear and cleaning of fabric to fabric laminates. *S. Dak. Farm Home Res.* 17(2):11-12. Spring 1966. 100 So82S
- 11258 MARON, B. An investigation of the relationship between fiber maturity and breakage during the mechanical processing of cotton, and the relation of these factors to processing performance and product quality; final report. Rouen, Centre de Recherches des Industries Textiles de Rouen, 1966? 67 p. Ref. TSI542.M32
Project No.: E9-AMS-4(a); Grant No.: FG-FR-118.
- 11259 MAYER, M., and FELDMAN, L. Aerodynamics of lint cotton; a report on preliminary research in the application of air-flow techniques to opening cotton. *Textile Indus.* 130(11):69-70, 138. Nov. 1966. 304.8 C823
- 11260 MCKELVEY, J. B., and others. Partial mono-basic esters of cotton cellulose. II. *Textile Res. J.* 36(9):828-837. Ref. Sept. 1966. 304.8 T293
R. J. Berni, R. R. Benerito, and J. A. O'Connor, joint authors.
With reference to creaseproofing.
- 11261 MILLOWNERS' ASSOCIATION, BOMBAY. Report for the year 1965. Part 1. Bombay, 1966. 498 p. 304.9 B63
Includes cotton policy.
- 11262 MULLIKIN, R. A., LAFOREY, P., and NEWTON, F. E. The effect of certain carding variables on cotton spinning performance and yarn quality. *Textile Bull.* 92(11):34-36, 38. Nov. 1966. 304.8 So82
- 11263 NATIONAL COTTON COUNCIL OF AMERICA. The fight to regain markets. *West Tex. Today* 47(7):22-23. Sept. 1966. 286.8 W522
- 11264 NURALIEV, A. N., and KASSIRSKII, A. A. Stimulating production of the fine-fiber cotton. (Rus) *Khlopokovodstvo* 9:5-7. Sept. 1966. 72.8 K522
Policies.
- 11265 ODELL, H. Problems of wool industry; invest and export. (Fr) *Mouton* 21(8/9):75. Aug./Sept. 1966. 45.8 M86
- 11266 OSAKA. COTTON ECONOMICS RESEARCH INSTITUTE. The Japan cotton statistics and related data 1966. Osaka, 1966. 257 p. 286.8 Os1
Japan Cotton Traders' Association, cooperating.
- 11267 OUTREMAN, P., and others. Influence of combing conditions on the spinning of wool tops. (Fr) *Inst. Textile France. Bull.* 125:531-552. Ref. July/Aug. 1966. 304.8 T3145
G. Mazingue, M. Van Overbeke, and G. Delplanque, joint authors.
English summary.
- 11268 OXTOBY, E. Centrifugal spinning of worsted yarns. II. *Wool Textile Indus.* 41(545):10-11. Sept. 1966. 45.8 W886
- 11269 OXTOBY, E. Centrifugal spinning of worsted yarns. 2. *Wool Textile Indus.* 41(546):11-12. Oct. 1966. 45.8 W886
- 11270 PONTING, K. G. Wool preparation. *Wool Textile Indus.* 41(546):12-13. Oct. 1966. 45.8 W886
- 11271 ROBINSON, H. M., and others. Sculptured cotton lace by differential shrinkage treatment. *Amer. Dyestuff Rep.* 55(23):37-42. Nov. 7, 1966. 306.8 Am3
A. S. Cooper, W. A. Reeves, and M. J. Hoffman, joint authors.
- 11272 SCHEEPERS, G. E., and LOUW, D. F. Further aspects of the methylene blue test for damage in wool. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 82, 25 p. Sept. 1966. 304.9 So83T
- 11273 SHILOH, M., and GRILL, A. The evaluation of wrinkles in textile fabrics. *Textile Res. J.* 36(10):924-927. Oct. 1966. 304.8 T293
Includes wash-and-wear fabrics.
- 11274 SOUTH AFRICAN WOOL COMMISSION. Statistical analysis of the South African wool clip, production areas, season 1964/65. n.p., 1965. 52 p. 281.3459 So84
- 11275 SPENCER, D. H., and TOWNEND, P. P. A comparison of the two-fold cap twisting and two-stage twisting processes. *Textile Manufacturer* 92(1102):392-397. Oct. 1966. 304.8 T3126
- 11276 TIDOW, K. The history of spinning. (Ge) *Spinner Weber Textilveredlung* 84(10):1111-1114. Oct. 1966. 304.8 Sp41
English summary, p. 1096.
- 11277 ULLMAN, W. K. High quality paper, a flax straw by-product. *S. Dak. Farm Home Res.* 17(2):9-10. Spring 1966. 100 So82S
- 11278 UL'YANOVICH, A. N., and KOZLOV, V. P. Pre-processor cooperation. (Rus) *Len Konoplya* 10:22-23. 1966. 73.8 L542
Hemp farmers and purchasing institution.
- 11279 WARBURTON, C. E., and WHITWELL, J. C. Multiple points of rupture in textile fibers. I. A proposed mechanism. *Textile Res. J.* 36(10):887-892. Ref. Oct. 1966. 304.8 T293

- 11280 WHITELEY, K. J. Crimp form: a new factor in wool science. *Nature* [London] 211(5050):757-758, Aug.13,1966, 472 N21
- 11281 WOOL RESEARCH ORGANISATION OF NEW ZEALAND. Annual report, 1965/66. Christchurch, 1966. 12 p. Ref. 45,9 W88
- 11282 WORLEY, S., KROWICKI, R. S., and HENRY, Z. A. Effects of variety and location on stress-strain components of cotton fiber bundles. I. *Textile Res. J.* 36(10):893-899. Ref. Oct,1966, 304,8 T293
- 11283 YAPI VE KREDI BANKASI, Turkish cotton, May, 1965. Yapi Kredi Bankasi A. S. Market Stud. 3,22 p. 1965, 280,39 YIM
Includes trade and statistics.
- 11284 ZERONIAN, S. H. Nonwoven fabric studies. X. Properties of nonwoven fabrics prepared from viscose rayon fibers grafted with vinyl polymers. *Textile Res. J.* 36(10):859-866. Ref. Oct,1966, 304,8 T293
- 11285 ZERONIAN, S. H., and WILKINSON, J. Nonwoven fabric studies. XI. Binder distribution effects. *Textile Res. J.* 36(10):866-873. Oct, 1966, 304,8 T293
- FRUITS, VEGETABLES, AND NUTS**
- 11286 ALBRECHT, W. The chestnut, companion of wine. (Ge) *Bl. Naturschutz* 46(1/2):11. May 1966, 279,8 B61
- 11287 ARLITT, M. The German vegetable market—production and imports. III. (Ge) *Obst Gemuse* 30(9):52-53. Sept,1966, 286,83 Ob72
- 11288 BARDAN, B. The Israel citrus by-products industry. *Int. Trade Forum* 2(3):33-35, Sept, 1966, 286,8 In84
- 11289 BATJER, L. P. The next decade in the Northwest apple country. *Nat. Apple Inst. Minutes*, 31st Annu. Meeting 41-45, 1966, 280,3939 N21
- 11290 BAUER, G. The problems of fruit production in Hessen. (Ge) *Obstbau* [Berlin] 6(2):29-30. Feb,1966, 80 Ob79
- 11291 BOTTICHER, W. World economic problems of edible mushroom utilization. (Ge) *Indus. Obst- Gemuseverarbeitung* 51(18):549-551, map. Sept,15,1966, 389,8 K832
Includes statistics.
- 11292 BOUIS, F. Problems confronting small citrus growers. *Citrus Indus.* 47(9):13-15. Sept, 1966, 80 C49
Includes costs.
- 11293 BOVA, G. What kind and how much citrus to produce? (It) *G. Agr.* 76(38):402. Sept.18, 1966, 16 It1G
Policy.
- 11294 BROWNE, R., and THIERS, A. Production and marketing of potatoes. (Fr) *Nouvelles Marches Agr.* 116(study 1149):21-35, map. Oct.14,1966, 286,8 N85
- 11295 BUSCH, W. Development trend and structural shifts in the West German fruit production and in the West European fruit market. (Ge) *Ger. (Fed. Repub.) Min. Ernahr. Landwirt. Forsten. Landwirt-Angew. Wiss. Sonderheft Gartenbau* 41,89 p., map. Ref. 1965, 85 G31
Includes production regions and acreage.
- 11296 CAREW, J. The college of agriculture and industry organizations. *Nat. Apple Inst. Minutes*, 31st Annu. Meeting:65-66, 1966, 280,3939 N21
Fruit associations.
- 11297 DONETH, J. C. The commercial fruit farmer—today and tomorrow. *Nat. Apple Inst. Minutes*, 31st Annu. Meeting:15-22, 1966, 280,3939 N21
Includes management problems.
- 11298 EVA, C. DELL'. An Italian eminence: almonds. (It) *Ital. Agr.* 103(7/8):673-682. July/Aug. 1966, 16 It1
Industry.
- 11299 HERRMANN, G. Grape culture in the Moldavain SSR. (Ge) *Obstbau* [Berlin] 5(10):157-158. Oct.1965, 80 Ob79
- 11300 EL KHOURY, G. M. Proposal on fruit culture for Lebanon. (Fr) *Econ. Rurale* [Beirut] 50,i.e.13:3-6. Jan,1966, 280,8 Ec7323
- 11301 LOHWAG, K. Mushrooms in philately. (Ge) *Champignon* 6(60):6-7. Aug,1966, 80 C352
- 11302 MARESCALCHI, C. How much grapes? (It) *G. Agr.* 76(37):387. Sept.11,1966, 16 It1G
Situation.
- 11303 MEHNER, L. Excursion into the Czechoslovak SSR. (Ge) *Obstbau* [Berlin] 6(2):30-31. Feb, 1966, 80 Ob79
Survey of fruit production.
- 11304 MILELLA, A. Citrus culture in Israel. (It) *Ital. Agr.* 103(5):449-464, map. May 1966, 16 It1
Industry.
- 11305 NAGY, V. Production—consumption—export. (Hun) *Kerteszeti Szolcseis.* 15(16):3-4. Aug,1966, 80 K474
Fruit and vegetables.
- 11306 NATIONAL APPLE INSTITUTE. Selected talks and reports, 31st annual meeting, Traverse City, Michigan, June 16-18, 1966. n.p., 1966. 82 p. 280,3939 N21
- 11307 NAZAROV, S. Watermelons and muskmelons for working people. (Rus) *Zakupki Sel'skokhoz.* Prod. 9:32-33. Sept,1966, 280,38 Z14
Outlook.
- 11308 PERINI, D. Grape culture in the modern world, its objectives, its methods, its means; Italian report. (Fr) *Office Int. Vigne Vin.* Bull. 39 (425/426):801-825. July/Aug,1966, 390,8 B87
Presented at the 11th International Congress of Grapes and Wine, Lisbon, 1965.
- 11309 RAMSEY, M. Nectars in school lunch. *Sch. Lunch J.* 20(3):40,42,44. Mar,1966, 389,8 Sch6
- 11310 ROBERT, S. A. A processor looks to the future of the apple industry. *Nat. Apple Inst. Minutes*, 31st Annu. Meeting:71-76, 1966, 280,3939 N21
- 11311 ROCHA, I. J. DA. Contribution to a cashew bibliography. (Por) *Gaz. Agr. [Lourenco Marques]* 18(201):47-52. (Cont.) Feb,1966, 24 G25
- 11312 ROCHA, I. J. DA. Contribution to a cashew bibliography (including reference to 78 Portuguese and foreign patents on cashews and cashew products). (Por) *Gaz. Agr. [Lourenco Marques]* 18(202):84-86. (Cont.) Mar,1966, 24 G25
- 11313 ZALOSNIK, T. Slovenian grape culture during the last decade. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(12):231. Aug,20,1965, 21,5 So14
- Analysis and Composition**
- 11314 BEACHAM, L. M. Report on processed vegetable products. *Ass. Offic. Anal. Chem. J.* 49(1):70-71. Feb,1966, 381 As7
- 11315 BOLCATO, V., and PASQUINI, G. Research on lacto-mannitic ferments. VII. The yield of mannitol from some natural juices (beet, carob and grape). 6 p. (TT 65-12146) Transl. 16035
Translation from *Industria Saccharifera Italiana* 32:408-410, 1959.
Issued by CFSTI.
- 11316 BURKE, J. Report on chlorinated insecticides and miticides. *Ass. Offic. Anal. Chem. J.* 49 (1):84-86. Feb,1966, 381 As7
Residues in fruit and vegetables.
- 11317 CHANDLER, B. V., and KEFFORD, J. F. The chemical assay of limonin, the bitter principle of oranges. *J. Sci. Food Agr.* 17(5):193-197. May 1966, 382 So12
- 11318 FARROW, R. P., ELKINS, E. R., and COOK, R. W. Residues in spinach: conversion of DDT to TDE in canned spinach. *J. Agr. Food Chem.* 14(4):430-434. Ref. July/Aug,1966, 381 J8223
- 11319 FORMAN, L., and POKORNY, J. Plant lipides. I. Bean lipides. (Ge) *Nahrung* 10(3):267-271. 1966, 389,8 N142
- 11320 GERRITZ, H. W. Report on fruits and fruit products. *Ass. Offic. Anal. Chem. J.* 49(1):78-79. Feb,1966, 381 As7

- 113321 GIANI, P. A., and SCHECHTER, M. S. Determination of demeton residues by infrared spectrophotometry. *J. Agr. Food Chem.* 14 (4):380-383. Ref. July/Aug. 1966. 381 J8223
In apples and vegetables.
- 113322 HASHIDA, W., MOURI, T., and SHIGA, I. Application of 5'-ribonucleotides to canned vegetables. *Food Technol.* 20(7):95-99. Ref. July 1966. 389.8 F7398
- 113323 HETT, O., and LEHMANN, G. Research on the chlorogenic acid content of jams, marmelades, and fruit juices. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(1):23-29. Ref. 1966. 384 Z39
- 113324 HOPFNER, E. New testing results on the starch content in different potato varieties. (Ge) *Starke Kartoffel* 10(1):4. In *Kartoffelbau* 16(1). Jan. 1965. 75.8 K145
- 113325 HUPRIKAR, S. V., and SOHONIE, K. Haemagglutinins in Indian pulses. II. Purification and properties of haemagglutinin from white pea (*Pisum sp.*). *Enzymologia* 28(6):333-345. Ref. June 30, 1965. 390.08 En9
- 113326 LINDNER, M. W. Calcium content of mountain almond and other fruit seeds. (Ge) *Deut. Lebensmittel-Rundsch.* 62(9):270-272. Ref. Sept. 1966. 385.8 D432
- 113327 LITZENBERGER, F. W. On the compression properties of some kinds of vegetables and their drying behavior in the compressed state. (Ge) *Indus. Obst-Genussverwertung* 51(18):541-548. Sept. 15, 1966. 389.8 K832
- 113328 MERGENTHALER, E. The determination of the pectin content of fruit products. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 130(2):73-79. 1966. 384 Z39
- 113329 MIERS, J. C. Tomato flavor: formation of volatile sulfur compounds in processed tomato products. *J. Agr. Food Chem.* 14(4):419-423. Ref. July/Aug. 1966. 381 J8223
- 113330 NADKARNI, B. Y. Coconut, a source of proteins. (Fr) *Oleagineux* 21(8/9):519-523. Ref. Aug./Sept. 1966. 77.8 OL2
English summary, p. XLV.
Includes discussion by F. E. Peters.
- 113331 ODA, Y., and TANAKA, K. Studies on the polyuronide of oh-gyo-type (the achine of *Ficus awkeotsang* Makino). *Agr. Biol. Chem.* 30(4):406-415. Apr. 1966. 385 Ag8B
- 113332 OSER, B. L. An evaluation of *Yucca mohavensis* as a source of food grade saponin. *Food Cosmet. Toxicol.* 4(1):57-61. Feb. 1966. 391.8 F73
- 113333 OTT, D. E., HEARTH, F. E., and GUNTHER, F. A. Rapid thin-layer chromatographic screening for parathion in canned peaches without cleanup. *Bull. Environ. Contamination Toxicol.* 1(4):175-180. July/Aug. 1966. RA1270.P35A1
- 113334 PORRETTA, A., CASOLI, U., and AGLIO, G. DALL'. Investigations on the anthocyanins of orange juice. (It) *Indus. Conserve* 41(3):175-179. Ref. July/Sept. 1966. 389.8 In23
English summary, p. 4 of supplement.
- 113335 SCHUNACK, W., and ROCHELMAYER, H. On a new procedure for the quantitative determination of biphenyl in citrus fruits. (Ge) *Pharm. Zeitung* 111(32):1165-1167. Ref. Aug. 11, 1966. 396.8 P496
- 113336 SHAH, J. Radiation-induced calcium release and its relation to post-irradiation textural changes in fruit and vegetables. *Nature [London]* 211(5050):776-777. Ref. Aug. 13, 1966. 472 N21
In apples, peaches and tomatoes.
- 113337 SHAPIRO, I. A., and PANTELEEV, A. N. Organic acids of pumpkins and vegetable marrow. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 3:92-96. Ref. 1965. 442.9 L542V
English summary.
- 113338 SINGLETON, V. L., DRAPER, D. E., and ROSSI, J. A. Paper chromatography of phenolic compounds from grapes, particularly seeds, and some variety-ripeness relationships. *Amer. J. Enol. Viticult.* 17(3):206-217. Ref. July/Sept. 1966. 390.9 Am33
- 113339 SOMERS, T. C. Grape phenolics: the anthocyanins of *Vitis vinifera*, variety Shiraz. *J. Sci. Food Agr.* 17(5):215-219. Ref. May 1966. 382 S012
- 113340 STORHERR, R. W. Report on fungicides, fumigants, and miscellaneous. *Ass. Offic. Anal. Chem.* J. 49(1):86-87. Feb. 1966. 381 As7
Residues in fruit and vegetables.
- 113341 SUGIURA, K., and GOTO, M. Isolation and identification of 6-hydroxymethylglutamine from spinach. *J. Biochem.* 60(3):335-337. Sept. 1966. 385 J822
- 113342 TERANISHI, R., and others. Volatiles from oranges; oxygenated compounds identified by infrared, proton magnetic resonance, and mass spectra. *J. Agr. Food Chem.* 14(5):447-449. Ref. Sept./Oct. 1966. 381 J8223
R. E. Lundin, W. H. McFadden, T. R. Mon, T. H. Schultz, K. L. Stevens, and J. Wasserman, joint authors.
- 113343 VANDERCOOK, C. E., and STEPHENSON, R. G. Lemon juice composition; identification of the major phenolic compounds and estimation by paper chromatography. *J. Agr. Food Chem.* 14(5):450-454. Ref. Sept./Oct. 1966. 381 J8223
- 113344 WATANABE, S., SAKAMURA, S., and OBATA, Y. The structures of acylated anthocyanins in eggplant and perilla and the position of acylation. *Agr. Biol. Chem.* 30(4):420-422. Apr. 1966. 385 Ag8B
- 113345 WEISS, I. C. Report on nuts and nut products. *Ass. Offic. Anal. Chem.* J. 49(1):69-70. Feb. 1966. 381 As7
- 113346 WESTLAKE, W. E., MURPHY, R. T., and GUNTHER, F. A. Confusion of identification of o,p-kelthane as heptachlor in orange rind extractive. *Bull. Environ. Contamination Toxicol.* 1(1):29-38. Jan./Feb. 1966. RA1270.P35A1

Consumption and Utilization

- HAMPSON, C. P. Current trends in potato consumption. *Food Trade Rev.* 36(9):41-42. Sept. 1966. 389.8 F7334
Great Britain.
- MILLER, B., and HARRIS, H. Consumer demand for pasteurized-refrigerated peaches. *Highlights Agr. Res. [Ala. Sta.]* 13(2):12. Summer 1966. 100 AL1H

Distribution, Marketing, and Transportation

- ANDERSON, R. N. New site planned for London's Covent Garden Market. *Foreign Agr. Incl. Foreign Crops Markets* 4(44):3-4. Oct. 31, 1966. A281.9 F76Fo
Fruits and vegetables.
- BOYEV, V. Better and more centralized system of procurement and sales of fruits and vegetables needed. U. S. Joint Publ. Res. Serv. Transl. USSR Conum. Goods Dom. Trade 143:14-19. Oct. 4, 1966. (JPRS 37,996; TT 66-34423) 173 J663Tro
Translation from *Ekonimicheskaya Gazeta* 32:36. Aug. 1966.
Issued by CFSTI.
- BUSCH, R. Experience with the use of bulk bins in lowland fruit stands. (Ge) *Obstbau [Berlin]* 5(11):168-170. Nov. 1965. 80 Ob79
For transportation.
- CAMPAGNE, P. VAN L. New possibilities for combined transport to auctions. (Du) *Wareningen. Inst. Tuinbouwtech. Mededel.* 56:12-16. Nov. 25, 1966. 86 W123
English summary, p. 25.
Lower cost for transportation of fruit.
- DALRYMPLE, D. M. Objective government administration and industry operation of better marketing tools. *Nat. Apple Inst. Minutes*, 31st Annu. Meeting:67-70. 1966. 280,3939 N21
Fruit.
- GOPPS, S., and SAMBERG, H.-O. Cooperative relations in the Neu Fahrland-Fahrland-Kartow-Satzkorn area. (Ge) *Obstbau [Berlin]* 5(10):146-148. Oct. 1965. 80 Ob79
Fruit.
- HOELLER, P. Self-service and packaging growing fast in West Germany. *Prod. Marketing* 9(10):71-72. Oct. 1966. 280.38 P943

- 11356 JOHNSTON, S. C. Marketing for producer profits today and tomorrow. Nat. Apple Inst. Minutes, 31st Annu. Meeting:33-36. 1966. 280,3939 N21
- 11357 KLOTSCHER, T. The market organization for fruit and vegetables. II. (Ge) Obst Gemuse 30 (9):54,56. Sept.1966. 286,83 Ob72
- 11358 KRUMHOFF, J. Placed under the magnifying glass: the food potato. (Ge) Raiffeisen-Rundschau 18(11):543-545. Nov.1966. 284,28 R132 Marketing.
- 11359 KRUMMEL, D. Comparison of different methods of the transportation of fruit from fruit grounds to the storage. (Ge) Obstbau [Berlin] 5(11):162-164. Nov.1965. 80 Ob79 Includes costs.
- 11360 LOHDEN, A., and RAUTENBERG, B. Yields and marketing of berries in the Lower Elbe area. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(5):174-179. May 1966. 85 J76
- 11361 MICKE, W. C., MITCHELL, P. G., and MAYER, G. Controlling weight loss during sweet cherry marketing. Calif. Agr. 20(5):6-7. May 1966. 100 C12Cag Cooling and transportation.
- 11362 MOFFETT, R. E., and others. Economic benefit of optimum intraseasonal allocation of New England—New York McIntosh apples. Conn. (Storrs) Agr. Exp. Sta. Bull. 394,20 p. Ref. June 1966. 100 C76S J. P. H. Brand, L. H. Myers, and S. K. Seaver, joint authors. Performance of apple industry over 15 marketing seasons for production years 1947 to 1961.
- 11363 MONNEY, R. Supplying of tomatoes to canneries. (Fr) Indus. Aliment. Agr. 83(7/8): 1037-1038,1040,1042,1044,1046. July/Aug.1966. 383 As7 Contracting.
- 11364 PASTIDES, S. Need for the establishment of a common marketing organization for perishable agricultural products. (Gre) Delt. Agrotikes Trapezes 151:11-14. July/Aug.1966. 21,7 D38 Chiefly fruit.
- 11365 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Deciduous Fruit Board for the financial year 1st August, 1964 to 31st July, 1965 and the balance sheet as at 31st July, 1965. Pretoria, 1966. 25 p. 286,3939 So83 Text also in Afrikaans. Library has also report for 1963/64, pub.1966.
- 11366 SANDERS, M. Using technical knowledge and common sense. Nat. Apple Inst. Minutes, 31st Annu. Meeting:77-78. 1966. 280,3939 N21 Public relations in the industry.
- 11367 SANTOS, N. D. Overseas fruits in the domestic fruit trade. II. (Por) Gaz. Agr. Angola 11 (8):1289-1293. Aug.1966. 24 G252
- 11368 SCHRAMM, G. Marketing potatoes for various uses. (Ge) Kartoffelbau 17(4):110-111. Apr. 1966. 75,8 K145 Food, feed and seed potatoes.
- 11369 STEPHAN, G. Results of the transportation of fruit in bulk bins. (Ge) Obstbau [Berlin] 5(11): 164-167. Ref. Nov.1965. 80 Ob79
- 11370 U. S. AGRICULTURAL RESEARCH SERV. Roadside stand; cooperative farm building plan No. 5983. U. S. D. A. Misc. Publ. 1032,2 p. Sept.1966. 1 Ag84M
- 11371 VANDEZANDE, P. Supply and prices of cauliflower in our country. (Fl) Tuinbouwberichten 29(11):460-464. (Cont.) Nov.1965 80 T847
- 11373 BRO-RASMUSSEN, F., and VOLDUM-CLAUSEN, K. Residues of aldrin and dieldrin in Danish grown crops, especially root crops, after application of the insecticide aldrin. (Da) Tidsskr. Planteavl 70(2):232-243. Ref. 1966. 11 T439 English summary.
- 11374 CRUZ, A. D., and others. Factors affecting Macadamia nut stability. II. Roasted kernels. Food Technol. 20(9):123-124. Sept.1966. 389,8 F7398 C. Cavaletto, H. Y. Yamamoto, and E. Ross, joint authors.
- 11375 GRAICHEN, G. The working elements of stationary sorting systems. (Ge) Deut. Landwirt. 17(8):386-389. Aug.1966. 18 D4822 Potato sorting equipment.
- 11376 HAREL, E., MAYER, A. M., and SHAIN, Y. Catechol oxidases, endogenous substrates and browning in developing apples. J. Sci. Food Agr. 17(9):389-392. Ref. Sept.1966. 382 So12
- 11377 JUUL, F. Studies of the blackening of potatoes after cooking. 5 p. (TT 62-16166) Transl. 16051 No source of translation given.
- 11378 KATAR'YAN, T. G., and NIKOLAEV, P. I. Influence of residues of chemical substances used for control of grape diseases and parasites on the quality of production; Soviet reports. (Fr) Office Int. Vigne Vin. Bull. 39 (425/426):868-882. Ref. July/Aug.1966. 390,8 B87
- 11379 KLEMM, E., and ROSENAU, W. Organization and financing of a large potato sorting system in the Zwoczkau cooperation area, Delitzsch district. (Ge) Deut. Landwirt. 17(8):388-389. Aug.1966. 18 D4822
- 11380 NASTEV, D. Keeping quality and transportability of more important late varieties of table grapes in the SR Macedonia. (Se) Agron. Glas. 15(7/8):509-520. Ref. 1965. 21,5 Ag84 French summary.
- 11381 RUDNY, R. Investigation on residuals of some insecticides in onion and carrot. (Pol) Roczn. Nauk Roln. 91-A-2:455-467. 1966. 20,5 R59 English summary.
- 11382 SOMMER, H. Experiences with potato sorting centers of BHG, 1965. (Ge) Deut. Landwirt. 17(8):383-386. Aug.1966. 18 D4822
- 11383 SZALVA, P. Correlations between tuber diameters of "primeur" field kohlrabi and its market maturity, content value and profitability. (Hu) Kiserletugyi Kozlemenyek 58/C(2): 63-78. Ref. 1965, pub.1966. 105,9 H89 English summary.
- 11384 WELLS, J. O. Ascorbic acid stability in fruit drinks. Can. Food Indus. 37(11):43-44. Nov. 1966. 286,83 C166
- 11385 ZUBECKIS, E. The quality of Canadian apple juice. Can. Food Indus. 37(11):32,34. Nov. 1966. 286,83 C166

Packing and Packaging

FRUITS, VEGETABLES, AND NUTS

Prices, Price Control, and Rationing

- 11372 BOARD, P. W., GALLOP, R. A., and SYKES, S. M. Quality of canned berry fruits. I. The influence of sucrose concentration and of low-methoxyl pectin added to the syrup. Food Technol. 20(9):109-111. Ref. Sept.1966. 389,8 F7398
- 11388 LINS, D. M. Fresh grapefruit profits through restraint. Citrus Indus. 47(9):22-23. Sept. 1966. 80 C49 Prices in Florida.

Processing and Storage

- 11389 AHERN, W. R., and AIRAH, M. General principles of cool stores for fruit. I. Australian Refrig. Air Cond. Heating 20(8):41-43. Aug. 1966. 295.8 R255
- 11390 AHERN, W. R. General principles of cool stores for fruit. 2. Australian Refrig. Air Cond. Heating 20(9):50-51. Sept. 1966. 295.8 R255
- 11391 ARLT, K. The effect of the base and duration of storage on the content of vitamin C in some apple varieties. (Ge) Arch. Gartenbau 14(1): 25-36. Ref. 1966. 80 Ar2
English summary.
- 11392 ARTHEY, V. D. Cultivars (varieties) of soft fruit and vegetables for quick freezing. Roy. Hort. Soc. J. 91(9):395-400. Sept. 1966. 84 L84J
- 11393 BARAGANO DE MOSQUEDA, M. Technology of clarified tamarind juice. (Sp) Soc. Cienc. Natur. La Salle. Mem. 26(73):62-68. Ref. Jan./Apr. 1966. 516 C173
- 11394 BLUM, M. A. Fruit processing prospects: look promising for many kinds. Agr. Situation [Washington] 50(8):8. Aug. 1966. 1 Ec7Ag
- 11395 BOARD, P. W., GALLOP, R. A., and SYKES, S. M. Quality of canned berry fruits. II. The influence of exhausting and thermal processing methods. Food Technol. 20(9):116-119. Sept. 1966. 389.8 F7398
- 11396 BOER, W. C., and MAAKER, J. DE. Pre-processing and pre-packaging of vegetables and fruit. I. (Du) Cent. Organ Handel Aardappelen, Groenten, Fruit, Conserven, Comestibles, Enz. 46(34):588-589. Aug. 26, 1966. 280.39 B64
- 11397 BOMBEN, J. L., KITSON, J. A., and MORGAN, A. I. Vacuum stripping of aromas. Food Technol. 20(9):125-128. Ref. Sept. 1966. 389.8 F7398
Fruit juice volatiles.
- 11398 BRADLEY, B. F. Factors influencing the drained weight, texture and other processing characteristics of canned strawberries. J. Sci. Food Agr. 17(5):226-232. Ref. May 1966. 382 Sol2
- 11399 CANNERS LEAGUE OF CALIFORNIA. STATISTICAL DEPT. 1966 California brined cherry pack. San Francisco, 1966. 1 p. 389.9 C1672
- 11400 CANNERS LEAGUE OF CALIFORNIA. STATISTICAL DEPT. 1966 California pack of canned sweet cherries. San Francisco, 1966. 1 p. 389.9 C1672C
- 11401 CHAN, H. T., YAMAMOTO, H. Y., and HIGAKI, J. C. Role of ascorbic acid in CO₂ evolution from heated acerola juice (Malpighia glabra L.). J. Agr. Food Chem. 14(5):483-484. Ref. Sept./Oct. 1966. 381 J8223
- 11402 DEYDIER, Y. Perfections brought to fruit preservation. (Fr) Quebec Lait. Aliment. 25(9): 8-10. Oct. 1966. 44.8 Q3
- 11403 DOBRAY, MRS. E. Storage of tomatoes. (Hu) Kertesz Szolész. 15(16):18. Aug. 1966. 80 K474
- 11404 DOBRAY, MRS. E. Winter storage of pears. (Hu) Kiskert 5:8. In Kertesz Szolész. 15(19). Oct. 1966. 80 K474
- 11405 ESKEW, R. K., DRAZGA, F. H., and TALLEY, F. B. The effect of nonfat milk solids on the storage properties of potato flakelets. U. S. Agr. Res. Serv. ARS-73-52, 8 p. May 1966. A381 R31A
Effects on keeping quality.
- 11406 FEINBERG, B. Mushrooms: wild and tame. Food Technol. 20(9):60-63. Ref. Sept. 1966. 389.8 F7398
Processing and varieties.
- 11407 FLORIDA citrus industry puts an emphasis on crystal. Int. Processed Fruits 10(2):33-38. 1966. 286.83 In82
Text also in German and French.
Orange juice crystals.
- 11408 GARAVITO, L. J. Storage and industrialization of the potato in Cundinamarca. (Sp) Inst. Invest. Tecnol. Rev. 8(41):24-26. May/June 1966. 241.4 In73
- 11409 GIANNONE, L., and PORRETTA, A. Research on the effects of various sterilization and storage temperatures on the physico-chemical and organoleptic properties of canned green beans. (It) Indus. Conserve 41(3):169-174. Ref. July/Sept. 1966. 389.9 In23
English summary, p.3 of supplement.
- 11410 GUSAEV, S. Preparing potatoes for prolonged storing. (Rus) Zakupki Sel'skokhoz. Prod. 9: 50-51. Sept. 1966. 280.38 Z14
- 11411 HALL, E. G. Cool store management. I. Australian Refrig. Air Cond. Heating 20(8):30-32. Aug. 1966. 295.8 R255
Fruit.
- 11412 HALL, E. G., and CELLIER, K. M. Investigations on the cool storage of Granny Smith and Delicious apples grown in New South Wales. I. Australia. Commonwealth Sci. Indus. Res. Organ. Div. Food Preserv. Tech. Pap. 31.32 p. Ref. 1966. 389.9 Au77T
- 11413 HARRIS, H., and KAFFEZAKIS, J. G. Packaged fruit products by pasteurization-refrigeration. Highlights Agr. Res. [Ala. Sta.] 13(2): 15. Summer 1966. 100 AL1H
- 11414 JAFAR, S. M., REVIS, B., and DATE, W. B. Preliminary study of blanching conditions on colour, firmness and mucilage of canned Bhindi-okra (Hibiscus esculentum). Indian Food Packer 20(2):23-26. Mar./Apr. 1966. 389.8 In25
- 11415 JEPSEN, M. Pre-ripening of apples and pears. (Da) Erhvervsrugtavlren 33(10):413-414. Oct. 1, 1966. 80 Er3
Heat treatment.
- 11416 KEPKA, A. Influence of time and rate of maleic hydrazide application upon its effectiveness on onions stored in various conditions. (Pol) Roczn. Nauk Roln. 91-A-2:361-381. Ref. 1966. 20.5 R59
English summary.
- 11417 KHAN, S. A. High temperature ripening of peaches. Sci. Indus. 4(2):128-131. Apr. 1966. 475 Sci238
- 11418 KODOUNES, M. I. Preservation of fruits by refrigeration under controlled storage. (Gre) Delt. Agrotikes Trapezes 151:5-10. July/Aug. 1966. 21.7 D38
- 11419 KODOUNES, M. I. Preservation of table grapes by refrigeration and use of sulfur. (Gre) Delt. Agrotikes Trapezes 151:3-4. July/Aug. 1966. 21.7 D38
- 11420 LABELLE, R. L., and VAN BUREN, J. P. Marshchino and candied cherries: some aspects of their production. Farm Res. [N. Y. Sta.] 31(4):2-3. Jan./Mar. 1966. 100 N48A
- 11421 LINTAS, L. Refrigerated storage of fruits. (It) Agricoltura 15(5):23-24. May 1966. 16 Ag8226
- 11422 LOVELL, R. T., and FLICK, G. J. Irradiation of Gulf Coast area strawberries. Food Technol. 20(7):99-102. July 1966. 389.8 F7398
- 11423 LUND, A. F., and LAWLER, F. K. Cold packs juice aseptically; after deaeration, de-oiling, and ST-HT pasteurization, orange juice is filled into sterilized bottles in sterile room. Food Eng. 38(11):79-81. Nov. 1966. 389.8 F737
- 11424 LUX, P. On the technology of processing stone fruit in People's Republic of Hungary. (Ge) Obstbau [Berlin] 5(11):170-171. Nov. 1965. 80 Ob79
- 11425 MACPHERSON, A. E. Fluidised freezing. Australian Refrig. Air Cond. Heating 20(8):18-20, 53. Aug. 1966. 295.8 R255
Vegetables.
- 11426 MCCOLLOCH, L. P. Chilling injury of eggplant fruits. U. S. D. A. Marketing Res. Rep. 749, 5 p. Aug. 1966. 1 Ag84Mr
In storage.

- 11427 MEIGH, D. F., and CURRAH, I. E. The measurement of low concentrations of nonyl alcohol vapour in the air of potato stores during sprout suppression. I. Development of gas chromatographic method and preliminary trial in a commercial store. *J. Sci. Food Agr.* 17 (9):428-433. Ref. Sept. 1966. 382 So12
- 11429 METLITSKII, L. V. Biochemical aspects of protection of juicy plant raw material against infectious diseases, sprouting and overripening. (Rus) *Akad. Nauk SSSR, Izv. Ser. Biol.* 4: 496-510. Ref. July/Aug. 1966. 511 Sa2B
English summary.
Stored potatoes, vegetables and fruit.
- 11429 OBOLADZE, SH. T. Simple methods of ripening tomatoes after harvesting. (Geo) *Akad. Nauk Gruz. SSR, Soobshch.* 43(3):707-712. Sept. 1966. 511 Ak146
Russian summary.
- 11430 PAPANIKOLAOS, N. Important factors for the preparation of green table olives. (Gre) *Delt. Agrotikes Trapezes* 151:27-32. July/Aug. 1966. 21,7 D38
French summary.
- 11431 ROGERS, H. Good is not good enough. *Prod. Marketing* 9(10):61-66. Oct. 1966. 280,38 P943
Storage and transportation in the produce industry.
- 11432 SALUNKHE, D. K., and others. Evaluation of variety, maturity, and storage on the processing quality of Utah-grown fruits. *Utah, Agr. Exp. Sta. Spec. Rep.* 20,54 p. Ref. June 1966. 100 Ut1Sp
N. S. Schvaneveldt, D. R. Walker, J. L. Anderson, E. B. Wilcox, and R. A. Norton, joint authors.
- 11433 SARMIENTO UCEDA, C. An industry to exploit: dried garden products. (Sp) *Rev. Sindical Estad.* 20(78):20-29. Second Q. 1965. 263 Es8B
With reference to onions and garlic.
- 11434 SCHOBERTH, G. CO₂ absorbers for the storage of apples in a controlled atmosphere. *Mod. Refrig.* 89(823):866,868,913. Oct. 1966. 295,8 M72
- 11435 SCOTT, K. J., BEATTIE, B. B., and ROBERTS, E. A. Compounds of omicron phenylphenol as post-harvest fungistats against *Sclerotinia fructicola* on Elberta peaches. *Australian J. Sci.* 29(1):22. July 1966. 475 Au72
Causing brown rot.
- 11436 SETH, K. K., SRIVASTAVA, R. K., and DATE, W. B. Further studies on canning of dried peas. *Indian Food Packer* 20(2):27-29. Mar./Apr. 1966. 389,8 In25
- 11437 SOUCI, S. W. On the chemical handling of citrus fruits with special attention to procedures for protection against spoilage. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(1): 43-65. Ref., p.63-65. 1966. 389,9 Sw6
English summary.
Chiefly wrapping in diphenyl-impregnated paper for storage pest and disease control.
- 11438 SOUCI, S. W. On the spoilage of citrus fruits and the possibilities of preventing it. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6): 529-530. 1965. 389,9 Sw6
- 11439 STOLL, K. Results of research in the freezing preservation of fruit types. (Ge) *Schweiz. Landwirt. Forsch.* 5(5):211-247. Ref. 1966. 17 Sch99
English summary.
- 11440 SZOKE, K. The influence of water temperature and oxygen in water on vitamin C loss in cooking. (Ge) *Nahrung* 10(3):239-243. Ref. 1966. 389,8 N142
English summary.
Vegetables.
- 11441 TINDALE, G. B. Refrigeration methods for fruit storage. *Australian Refrig. Air Cond. Heating* 20(8):23-26. Aug. 1966. 295,8 R255
- 11442 TUGWELL, B. L. Controlled atmosphere storage of the Jonathan apple. *Australian Refrig. Air Cond. Heating* 20(8):27-29. Aug. 1966. 295,8 R255
- 11443 ULRICH, R. Contribution to the biochemistry and physiology for the improvement of industrial treatments for fresh fruit. (Fr) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6):527-528. 1965. 389,9 Sw6
- 11444 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Home freezing of fruits and vegetables. U. S. D. A. Home Gard. Bull. 10, slightly rev., 48 p. July 1966. 1 Ag84Hg
- 11445 VAN DEN BERG, L., and LENTZ, C. P. Effect of temperature, relative humidity, and atmospheric composition on changes in quality of carrots during storage. *Food Technol.* 20(7): 104-107. Ref. July 1966. 389,8 F7398

Statistics

- 11446 AUSTRIA. STATISTISCHES ZENTRALAMT. Gartenbauerhebung [Horticultural census], 1964. Austria. Statist. Zentralamt, Beitr. Osterr. Statist. 126,137 p. 1966. 266 St22
- 11447 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California vegetable crops; acreage, production and value; county acreage; 1964-65. Sacramento, 1966. 27 p., map. 252,09 C832C
California Bureau of Agricultural Statistics and U. S. Department of Agriculture Statistical Reporting Service, cooperating.
- 11449 CANADA. BUR. OF STATISTICS. Acreage, production and farm value of commercial vegetables, 1965. Ottawa, 1966. 12 p. 253 St23Fv
- 11449 FLETCHER, W. A. Citrus and subtropical fruitgrowing in N.Z. Orchardist New Zealand. 39 (7):217,219,221. Aug. 1966. 80 Or19
Statistical survey.
- 11450 LUXEM, K. P. Fruit stands in the nurseries in 1965; different development of the nursery acreages. (Ge) *Deut. Baumschule* 18(4):97-102. Apr. 1, 1966. 80 D486
- 11451 MITCHELL, A. E. Crop gestimate. Nat. Apple Inst. Minutes, 31st Annu. Meeting: 13. 1966. 280,393 N21
State statistics.

GRAIN AND GRAIN PRODUCTS

- 11452 ANDERSON, R. A., and PFEIFER, V. F. Strontium-90 in 1965 United States wheat. *Radiol. Health Data Rep.* 7(7):381-382. July 1966. 151,65 RH
- 11453 ANDREW, F. W. Play it cool—that's the latest on grain storage. *Hoard's Dairyman* 111(19):1153,1184. Oct. 10, 1966. 44,8 H65
Refrigeration of shelled corn.
- 11454 AUSTRIA. GESCHAFTSFÜHRUNG DES GE-TEREIDEAUSGLEICHSFONDS. Handbuch der österreichischen Getreidewirtschaft mit Tätigkeitsbericht des Getreideausschleichsfonds über das Wirtschaftsjahr 1964/65 [Handbook of the Austrian grain industry with report of activities of the Grain Equalization Fund for the fiscal year 1964/65]. Wien, 1965. 531 p. 280,9 Au73
- 11455 BELDEROK, B. Importance of thiol and disulfide groups for improvement of wheat baking quality. (Du) *Landbouwkundig Tijdschr.* 78(7): 246-252. July 1966. 105,2 Or3
Thiol disulfide content of flour in relation to baking quality; includes effect of nitrogen fertilizing.
- 11456 BHATIA, S. S. Maintenance of sanitation in rice mills. *J. Food Sci. Technol. [Mysore]* 2 (3/4):108-109. Oct./Dec. 1965. 389,8 J823
- 11457 BHATTACHARYA, K. R., and RAO, P. V. S. Effect of processing conditions on quality of parboiled rice. *J. Agr. Food Chem.* 14(5):476-479. Ref. Sept./Oct. 1966. 381 J8223
- 11458 BHATTACHARYA, K. R., and RAO, P. V. S. Processing conditions and milling yield in parboiling of rice. *J. Agr. Food Chem.* 14(5):473-475. Ref. Sept./Oct. 1966. 381 J8223
- 11459 BIKSMA, A. H. Extraction of flour by mixtures of butanol-1 and water. *Cereal Chem.* 43 (4):602-622. Ref. Sept. 1966. 59,8 C33
- 11460 BONLIEU, A., NICOU, R., and TOURTE, R. Storage of harvested crops in Senegal; trials on millet, sorghum, paddy and cowpeas. (Fr) *Paris. Inst. Rech. Agron. Trop. Cult. Végét. Bull. Agron.* 22:191-229. 1966. 26 F84B
English summary.

- 11461 BONNETT, J. E. Hedging: a new profit "game" in agricultural lending. Mid-West, Banker 60 (9):22-23. Sept. 1966. 284.28 B222 With grain.
- 11462 BROWN, D. D. Rice industry in India: increasing mill out-turn of rice. J. Food Sci. Technol. [Mysore] 2(3/4):88-90. Oct./Dec. 1965. 389.8 J823
- 11463 BUENOS AIRES. BOLSA DE CEREALES. Memoria e informe, ejercicios 1.º de enero-31 de diciembre de 1964 y 1.º de enero-31 de diciembre de 1965 [Account and report of the Buenos Aires Grain Exchange, seasons January 1-December 31, 1964, and January 1-December 31, 1965]. Buenos Aires, 1966. 91 p. 287 B866M
- 11464 BUENOS AIRES. MERCADO DE CEREALES A TERMINO. Memoria, 58.º ejercicio al 30 de junio de 1966 [Report of the Terminal Grain Market of Buenos Aires, 58th season as of June 30, 1966]. Buenos Aires, 1966. 280.39 B86
- 11465 BURGER, W. C., and others. Partial purification of proteases from germinated barley. Cereal Chem. 43(5):546-554. Sept. 1966. 59.8 C33
N. Prentice, J. Kastenschmidt, and J. D. Huddle, joint authors.
- 11466 BURRELL, N. J. Chilling damp grain. Power Farming Australia New Zeal. Better Farming Dig. 75(9):4-6. Sept. 1966. 58.8 P87 For safe storing of high-moisture grain in Great Britain.
- 11467 CASARES, R. The problem of the presence of proteinases in flour from Spanish wheat. (Fr) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(6): 533-534. 1965. 389.9 Sw6
- 11468 CLAYTON, J. W. The extraction and ion-exchange chromatography of buffer-soluble and gluten proteins of wheat flour. Cereal Chem. 43(5):495-516. Ref. Sept. 1966. 59.8 C33
- 11469 COVELLO, M., and SCHETTINO, O. The phytin phosphorus content of wheat flours and food pastes in relation to the variety of the original product. (It) Rass. Chim. 18(5):219-225. Sept./Oct. 1966. 385 R18
- 11470 CRISP, J. W. M. Some recent developments in malting. Inst. Brewing J. 72(5):462-469. Sept./Oct. 1966. 390.9 In7
- 11471 DAVID, J. S. K., and others. Quality of bran oil as influenced by the conditions of storage of rice bran. J. Food Sci. Technol. [Mysore] 2(3/4):113-114. Oct./Dec. 1965. 389.8 J823
S. K. Rao, S. D. T. Rao, and K. S. Murti, joint authors.
- 11472 DESCHREIDER, A. R., and MEAUX, R. Automatic determination of proteins in flour. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 129 (6):344-348. 1966. 384 Z39
- 11473 DESIKACHAR, H. S. R., RAO, S. N. R., and ANANTHACHAR, T. K. Effect of degree of milling on water absorption of rice during cooking. J. Food Sci. Technol. [Mysore] 2(3/4): 110-112. Oct./Dec. 1965. 389.8 J823
- 11474 DESIKACHAR, H. S. R. Processed rice products: the present position and scope for development. J. Food Sci. Technol. [Mysore] 2(3/4): 124-125. Oct./Dec. 1965. 389.8 J823
India.
- 11475 DESIKACHAR, H. S. R. Rural processing of paddy. J. Food Sci. Technol. [Mysore] 2(3/4): 103-104. Oct./Dec. 1965. 389.8 J823
India.
- 11476 DOMINIONE, C. Hopes and fears in rice operation. (It) Esso Agr. 15(3):20-21. June 1, 1966. 58.8 Es7
Production outlook.
- 11477 DREOSTI, I. E., WIT, J. L. DE, and QUICKE, G. V. The effect of saponification on the chromatographic separation of carotenoids from maize grain extracts. S. Afr. J. Agr. Sci. 9(1): 43-47. Mar. 1966. 24 Su3
- 11478 EFFERSON, J. N. Rice in the United States. Rice J. 69(11):6,8-10,27. Oct. 1966. 59.8 R36
Acreage, industry, production regions, trade.
- 11479 ENCHEV, YA, and BIKOVA, V. On quality of the first Bulgarian winter two-rowed barley varieties for malting. (Bu) Rastenievudni Nauk. 3(6):33-45. Ref. 1966. 64.8 R18
English summary.
- 11480 FARMERS GRAIN DEALERS ASSOCIATION OF ILLINOIS. 1965 annual directory. Bloomington, 1965? 144 p., map. 59.9 I164
- 11481 FARMERS GRAIN DEALERS ASSOCIATION OF ILLINOIS. 1966 annual directory. Bloomington, 1966? 144 p., map. 59.9 I164
- 11482 FERREL, R. E., and others. Gun-puffing wheat and bulgur. Cereal Chem. 43(5):529-537. Ref. Sept. 1966. 59.8 C33
A. D. Shepherd, R. H. Thielking, and J. W. Pence, joint authors.
- 11483 FORNARI, B. Property structure of the milling and pasta industry. (It) Tec. Molitoria 17 (16):395-401. Aug. 30, 1966. 298.8 Se42
- 11484 FRENCH, D., and ABDULLAH, M. Transferase activity in malt amylase preparations. Cereal Chem. 43(5):555-562. Ref. Sept. 1966. 59.8 C33
- 11485 FUENTE, L. DE LA. The regulation of the grain season 1966-67. (Sp) Spain. Dir. Gen. Capacitacion Agr. Bol. Inform. Min. Agr. 119: 5-6. May/June 1966. 281.9 Sp1
- 11486 GERMANY (FEDERAL REPUBLIC). BUNDES-FORSCHUNGSANSTALT FÜR GETREIDEVERARBEITUNG. Annual report, 59th, 1965. (Ge) Getreide Mehl 16(5):45-60. May 1966. 298.8 G332
- 11487 GUNZEL, G. Pasting properties of pure-bred wheat starches and wheat flours. (Ge) Getreide Mehl 16(7):75-79. Ref. July 1966. 298.8 G332
- 11488 HEIFNER, R. G. The effectiveness of hedging as a means of reducing risks associated with seasonal grain storage in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):538-546. May 1966. 100 M585
- 11489 HEIFNER, R. G. The gains from basing grain storage decisions on cash-future spreads in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48 (4):547-558. May 1966. 100 M585
Corn, soybeans, and wheat; includes hedging.
- 11490 HERON, J. R. Some observations on commercial malt extracts. Inst. Brewing J. 72(5):452-457. Ref. Sept./Oct. 1966. 390.9 In7
- 11491 HOGAN, J. T. Rice research at the Southern and Western Utilisation Research and Development Divisions, U.S. Department of Agriculture. J. Food Sci. Technol. [Mysore] 2(3/4):98-102. Ref. Oct./Dec. 1965. 389.8 J823
- 11492 HOLDEN, H. R., and WILSON, J. L. Kansas wheat quality for 1966. Topeka. Kansas State Board of Agriculture, 1966. 25 p., map. 50.9 K137
- 11493 HONOLD, G. R., FARKAS, G. L., and STAHMANN, M. A. The oxidation-reduction enzymes of wheat. I. A qualitative investigation of the dehydrogenases. Cereal Chem. 43(5):517-529. Ref. Sept. 1966. 59.8 C33
- 11494 HORBERG, Y. Weibull's Original Ingrid barley. (Sw) Weibulls Arsbok 1966:6-8. 61.9 W42W
Acreage.
- 11495 HORIUCHI, H., and TANI, T. Studies on the starches. V. Rheological properties of the starch of rice imported into Japan. Agr. Biol. Chem. 30(5):457-465. Ref. May 1966. 385 Ag8B
- 11496 HUI, P. A. Recent research on wheat pentosans. (Ge) Getreide Mehl 16(7):73-75. Ref. July 1966. 298.8 G332
- 11497 HUTCHINSON, J. B. The past viscosities of wheat starch and flour-water mixtures on cooking. I. J. Sci. Food Agr. 17(5):198-201. May 1966. 382 So12
- 11498 KADKOL, S. B. Biochemical changes during idli fermentation. J. Food Sci. Technol. [Mysore] 3(1):26-27. Ref. Apr. 1966. 389.8 J823
Rice or blackgram product.

- 11499 KAHLON, A. S., and GILL, K. S. Reasons for steep rise in wheat prices in Punjab during 1964-65. *Agr. Marketing [Nagpur]* 8(4):12-16, 24. Jan.1966. 280,38 Ag84
- 11500 KAISER, A. Research on Bavarian summer barley of the 1966 crop. 2. (Ge) *Brauwelt* 106 (75):1373-1375. Sept.23,1965. 390.8 B732
Results of analyses
- 11501 KANSAS WHEAT COMMISSION. Tenth annual report to the Governor of the State of Kansas for the period from July 1, 1965, through June 30, 1966. Hutchinson, 1966. 24 p.,map. 281.3599 K13
Promotion
- 11502 KENT, N. L. Subaleurone endosperm cells of high protein content. *Cereal Chem.* 43(5):585-601. Ref. Sept.1966. 59.8 C33
Flour.
- 11503 KORKMAN, M., and LINKO, P. Activity of different enzymes in relation to the baking quality of rye. *Cereal Sci. Today* 11(10):444, 446-447. Ref. Oct.1966. 59.8 C333
- 11504 KOVALEVSKAYA, N. I., and LEVITSKII, I. A. Improving methods of evaluating the baking quality of wheat flour. (Rus) *Selek. Semenovodstvo* 5:36-39. Sept./Oct.1966. 61.9 Se5
- 11505 KRAUSS, G., and DJALALI, M. A. Air temperature during the ripening time of barley and water susceptibility. (Ge) *Monatsschr. Brauerei* 19(10):287. Oct.1966. 390.8 B7323
- 11506 KRISHNAMURTHY, N., and SIDDAPPA, G. S. Canning of idli. *J. Food Sci. Technol. [Mysore]* 2(3/4):132-133. Oct./Dec.1965. 389.8 J823
Fermented rice or blackgram product.
- 11507 KRISHNAMURTHY, N., and SIDDAPPA, G. S. Canning of rice. *J. Food Sci. Technol. [Mysore]* 2(3/4):128-131. Oct./Dec.1965. 389.8 J823
India.
- 11508 LAMBION, R., CHRISTIAEN, R., and VEULEMANS, A. Bacteriological control of enzyme preparations in milling and baking. (Fr) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6):515-524. Ref. 1965. 389.9 Sw6
English summary.
- 11509 LEQUIN, B. J. The consumer and agricultural administration. (Du) *Co-operative* 28(332):126-128. Sept.1966. 280.29 N216M
Marketing in relation to the European Common Market and the new cooperative grain warehouse.
- 11510 LYNN, L., and LAWLER, F. K. Revolutionizes rice milling. *Food Eng.* 38(11):68-73. Nov. 1966. 389.8 F737
- 11511 LYNN, L. The SEM [Solvent Extraction Milling] rice milling process. *Rice J.* 69(10):19-20. Sept.1966. 59.8 R36
- 11512 MAKSYMCHUK, L. P. Extending acreage for spring wheat. (Uk) *Visnyk Sil'skohospodar. Nauk.* 4:44-50. Apr.1965. 20 V82
Russian summary.
- 11513 MANDL, B. Barleys of the 1966 harvest and preview of malting. (Ge) *Brauwelt* 106(78):1413-1414. Sept.30,1966. 390.8 B732
- 11514 MANUILOV, A. Grain storage structures on collective state farms. (Rus) *Zakupki Sel'skokhoz. Prod.* 9:22-24. Sept.1966. 280.38 Z14
- 11515 MAURITIUS. GRANARY DEPT. Annual report for the financial year 1964-65. n.p., 1966. 7 p. (No. 14 of 1966). 284.29 M442
Library has also report for 1963/64, 6 p. (No. 8 of 1965).
- 11516 MEREDITH, P. Dependence of water absorption of wheat flour on protein content and degree of starch granule damage. *New Zeal. J. Sci.* 9(2):324-330. June 1966. 514 N482
- 11517 MILATOVIC, L. Worsening of the quality and losses of the stored wheat; moisture of the wheat as a restrictive factor of the quality of stored wheat. (Se) *Agron. Glas.* 15(7/8):471-484. 1965. 21.5 Ag84
- 11518 MILLERS NATIONAL FEDERATION. Washington, D.C. testimony for the industry. *Amer. Miller Processors* 94(10):25-26. (Cont.) Oct.1966. 298.8 Am32
On the flour and milling industry and world food needs.
- 11519 MULLER, H. R., and DICKSCHEIT, R. Glucanase from *Bacillus subtilis*. I. (Ge) *Nahrung* 10(3):263-266. 1966. 389.8 N142
Active in hydrolyzing barley glucan.
- 11520 NES, A. R. VAN. The E.E.C.-perspective for the grain section. (Du) *Stichting Ned. Graan-Cent. Meded.* 16:43-58. 1965. 59.9 S52M
Chiefly prices with special reference to Netherlands.
- 11521 NODA, M., and IKEGAMI, R. Lipids of leaves and seeds. II. Chromatographic separation of the lipids in rice bran lipoprotein. *Agr. Biol. Chem.* 30(4):330-337. Apr.1966. 385 Ag8B
- 11522 PARRY, J. M. C. Change in the malting industry. *Statist* 190(4625, brewing and distill. surv.):15. Oct.28,1966. 286.8 St2
- 11523 PEDERSEN, H. Survey of the criteria for the judging of grain quality. (Da) *Nord. Jordbrugsforsk.* 47(4):287-292. Ref. 1965. 11 N752
- 11524 PLATOV, A. Grain on trucks. (Rus) *Zakupki Sel'skokhoz. Prod.* 9:17-20. Sept.1966. 280.38 Z14
- 11525 PROCHAZKA, M. Report on cereal foods. *Ass. Offic. Anal. Chem. J.* 49(1):76-77. Feb. 1966. 381 As7
- 11526 RAMANATHAN, L. A., BHATIA, B. S., and VIJAYARAGHAVAN, P. K. Precooked dehydrated rice. *J. Food Sci. Technol. [Mysore]* 2(3/4):126-127. Oct./Dec.1965. 389.8 J823
India.
- 11527 RAMIREZ GENEL, M. Almacenamiento y conservacion de granos y semillas [Storage and conservation of grain and seeds]. Mexico, Compania Editorial Continental, 1966. 300 p. Ref. SB608.G6R3
Includes chemical pest control.
- 11528 RAO, P. V. S., and BHATTACHARYA, K. R. Effect of parboiling on thiamine content of rice. *J. Agr. Food Chem.* 14(5):479-482. Ref. Sept./Oct.1966. 381 J8223
- 11529 RAO, S. N. R., ANANTHACHAR, T. K., and DESIKACHAR, H. S. R. Oil content of bran from rice milled to different degrees of polishing. *J. Food Sci. Technol. [Mysore]* 2(3/4):115-116. Oct./Dec.1965. 389.8 J823
- 11530 RATUSHNYI, YU. L. Increase of production of winter hard wheat in the Ukraine. (Uk) *Visnyk Sil'skohospodar. Nauk.* 4:9-14. Apr.1966. 20 V82
Russian summary.
- 11531 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Wheat Industry Control Board for the financial year 1st November, 1963 to 31st October, 1964 and the balance sheet as at 31st October, 1964. Pretoria, 1966. 25 p. 286.9 So83V
Text also in Afrikaans.
- 11532 REPUBLIC OF SOUTH AFRICA. WHEAT INDUSTRY CONTROL BOARD. Annual report for the 1964/65 season. Pretoria, 1965? 119 p. 59.9 So85
- 11533 SARDA, P. S. Improved method of parboiling in Sarda Rice & Oil Mills. *J. Food Sci. Technol. [Mysore]* 2(3/4):105-107. Oct./Dec.1965. 389.8 J823
- 11534 SIEVERS, M. Production, harvest, and sale of grain, 1950 to 1965. (Ge) *Statist. Monh. Schleswig-Holstein* 18(5):100-104. May 1966. 265 Sch32Sm
- 11535 SONTAKAY, K. R. Storage of rice in India. *J. Food Sci. Technol. [Mysore]* 2(3/4):91-95. Oct./Dec.1965. 389.8 J823
- 11536 SOOTHIPAN, A., and RUTTAN, V. W. Changes in rice production, area and yield in Thailand. (Condensed.) *Bangkok Bank Mon. Rev.* May 1966:182-191. 284.8 B224
- 11537 STEVENS, D. J. The reaction of wheat proteins with sulphite. II. The accessibility of disulphide and thiol groups in flour. *J. Sci. Food Agr.* 17(5):202-204. Ref. May 1966. 382 So12
- 11538 STEVENS, J. K. A source of thermophilic spores in flour. *Milling* 147(8):149. Aug.26, 1966. 298.8 M622

- 11539 STRINGFELLOW, A. C., and PEPLINSKI, A. J. Air classification of sorghum flours from varieties representing different hardesses. *Cereal Sci. Today* 11(10):438-440,455. Ref. Oct.1966. 59.3 C333
- 11540 TAIWALKAR, R. T., GARG, N. K., and MURTI, C. R. K. Rice bran—a source material for pharmaceuticals. *J. Food Sci. Technol. [Mysore]* 2(3/4):117-119. Ref. Oct./Dec.1965. 389.8 J823
- 11541 THOMPSON, L. M. From heavy surpluses, nation is approaching short grain supplies. *Grain Age* 7(10):6.9. Oct.1966. 281.8 G76
- 11542 TOURTE, R., NICOU, R., and BONLIEU, A. Post-harvest treatment of millets and sorghums. (Fr) *Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron.* 21:183-191. 1966. 26 F84B
English summary.
Milling and storage in Senegal.
- 11543 ULONSKA, E., LENZ, W., and GOPPEL, W. Research on the quality of Bavarian barley from the special crop estimation of the year 1966. II. (Ge) *Brauwelt* 106(76):1370-1372. Sept.23.1966. 390.8 B732
- 11544 U.S. CONSUMER AND MARKETING SERV. GRAIN DIV. Rice: annual market summary, 1966. U.S. Consum. Marketing Serv. C&MS-18,47 p. Oct.1966. A280.39 C762
- 11545 U.S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. The grain-livestock economy of the European Economic Community: a historical review, 1951-63. U. S. D. A. Foreign Agr. Econ. Rep. 31,58 p. July 1966. A281.9 Ag8F
- 11546 U.S. FEDERAL EXTENSION SERV. Breads and cereals, golden nuggets; a guide for program aides in home economics. U. S. D. A. PA-745, 2 p. Aug.1966. 1 Ag84Pro
- 11547 VUITY, J. Storing and drying corn on the cob. (Hu) *Magyar Mezőgazdaság* 21(39):3-4. Sept.28.1966. 19 M27
- 11548 WANG, H. L., and HESSELTINE, C. W. Wheat tempeh. *Cereal Chem.* 43(5):563-570. Ref. Sept.1966. 59.3 C33
Fermented product.
- 11549 WISE, M., and SNEED, E. M. Quality evaluations of hard red spring and winter wheats, 1961-1965. Idaho. Agr. Exp. Sta. Bull. 476, 11 p. Oct.1966. 100 Id14
- 11550 WITHEY, J. S., and BRIGGS, D. E. The use of formaldehyde in reesteeping. *Inst. Brewing J.* 72(5):474-479. Ref. Sept./Oct.1966. 390.9 In7
- 11551 WEBER, K. Modern trends in flour warehouse design. *Milling* 147(15):298-299,301. Oct.14. 1966. 298.8 M622
- 11552 WOYCHIK, J. H., and HUEBNER, F. R. Isolation and partial characterization of wheat gamma-gliadin. *Biochim. Biophys. Acta* 127(1):88-93. Ref. Sept.26.1966. 381 B522
- 11553 WRENCH, P. M. The presence of hexosamine-containing glycoproteins in wheat flour. *J. Sci. Food Agr.* 17(9):403-407. Ref. Sept.1966. 382 S012
- 11554 YASUMATSU, K., MORITAKA, S., and WADA, S. Studies on cereals. IV. Volatile carbonyl compounds of cooked rice. *Agr. Biol. Chem.* 30(5):478-482. Ref. May 1966. 385 Ag8B
- 11555 YASUMATSU, K., MORITAKA, S., and WADA, S. Studies on cereals. V. Stale flavor of stored rice. *Agr. Biol. Chem.* 30(5):483-486. Ref. May 1966. 385 Ag8B
- HONEY AND BEESWAX**
- 11556 CLINCH, P. G. An improved intracerebral injection method for detecting tutin and hyenanthin in toxic honey. *New Zeal. J. Sci.* 9(2):433-439. June 1966. 514 N482
Tested in mice.
- 11557 JELMONI, E. Elogy to honey. (It) *Agr. Venez.* 20(7/8):411-413. July/Aug.1966. 16 Ag826
Composition and therapeutic properties.
- 11558 LUTERBACHER, W. Selling honey. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(10):449-451. Oct.1966. 424.8 Sch9
- 11559 WHITE, J. W. Inhibine and glucose oxidase in honey—a review. *Amer. Bee J.* 106(6):214-216. Ref. June 1966. 424.8 An3
- LIVESTOCK AND LIVESTOCK PRODUCTS**
- 11560 ARGENTINA. JUNTA NACIONAL DE CARNES. Resena [Summary]. 1965. Buenos Aires, 1966? various paging. 255.1 C21R
Includes statistics.
- 11561 BONELLI, P. Livestock program in the plan for Sardinia. (It) *Prog. Agr. [Bologna]* 12(9):883-901. Sept.1966. 58.8 P94
- 11562 DIRKS, H. J. South Dakota's hog-pork industry; changes, developments, problems. S. Dak. *Farm Home Res.* 17(2):18-21, map. Spring 1966. 100 S082S
- 11563 EVOLUTION of the cattle industry in the inter-mountain valleys. *Calif. Cattleman* 49(10):11-15. 18-20, map. Oct.1966. 43.8 C12
History.
- 11564 FROGET, J. French swine production faced with the options and orientation of the Fifth Plan. (Fr) *Rev. Med. Vet. [Toulouse]* 117(4):317-329. Apr.1966. 41.8 R32
English summary.
- 11565 HUTHER, K. Hungarian meat firms. (Du) *Fleischermeister* 20(8):209-211. Aug.1966. 50.8 F622
- 11566 KASZYNSKI, Z. Basic outlays schemes for the meat industry, 1966-1970. (Pol) *Gosp. Miesna* 18(5):1-2. May 1966. 50.8 G69
- 11567 LAKITS, G., and MATYAS, J. Development of animal production and the mixed feed industry in Hungary. (Ge) *Kraftfutter* 49(9):460,462-464. Sept.1966. 389.78 K85
- 11568 LEGER, J. The ox in france. (It) *Ital. Agr.* 103(5):435-447. May 1966. 16 It1
The beef cattle industry.
- 11569 SWIETANOWSKI, R. The role of meat industry unions in the new management system. (Pol) *Gosp. Miesna* 18(5):15-17. May 1966. 50.8 G69
- 11570 TRIFUNOSKI, J. Livestock industry of Macedonia. (Se) *Stocarstvo* 20(3/4):89-96. Mar./Apr.1966. 43.8 St6
- 11571 ZEZZOS, R. Cattle in history and myth. (It) *Mondo Latte* 20(7):543-545. July 1966. 44.8 M74
- Analysis and Composition
- 11572 ASSAF, S. A., and BRATZLER, L. J. Inorganic elements in beef muscle and their relative degree of binding in aqueous beef muscle extracts. *J. Agr. Food Chem.* 14(5):487-489. Ref. Sept./Oct.1966. 381 J8223
- 11573 BUCAR, F. Hydrogen-ion concentration in pork. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(18):447-448. (Cont.) Dec.1965. 21.5 S014
- 11574 BUCAR, F. Hydrogen-ion concentration of pork. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(1):13-15. (Cont.) Ref. Jan.15.1966. 21.5 S014
- 11575 BRAUN, G., and HIEKE, E. Determination of the delta lactone of gluconic acid in firm processed sausages. (Ge) *Z. Lebensmittel-Untersuchung- Forsch.* 130(5):273-276. 1966. 384 Z39
- 11576 CANTONI, C., and others. Investigations on the lipids of dry sausages; the behavior of the lipids during aging. (It) *Indus. Conserve* 41(3):188-197. Ref. July/Sept.1966. 389.8 In23
M. R. Molnar, P. Renon, and G. Giolitti, joint authors.
English summary, p.3 of supplement.
- 11577 CLAYSON, D. H. F., BEESLEY, J. A., and BLOOD, R. M. The chemistry of the natural tenderisation or maturation of meat. *J. Sci. Food Agr.* 17(5):220-225. Ref. May 1966. 382 S012
- 11578 CROSBY, D. G., and BOWERS, J. B. Determination of 2,4-D residues in animal products. *Bull. Environ. Contamination Toxicol.* 1(3):104-107. May/June 1966. RA1270.3P5A1

- 11579 CROSBY, D. G., and ARCHER, T. E. A rapid analytical method for persistent pesticides in proteinaceous samples. *Bull. Environ. Contamination Toxicol.* 1(1):16-20. Jan./Feb. 1966. RA 1270, P35A1
Chlorinated hydrocarbon insecticides in livestock products.
- 11580 DAVEY, C. L. Studies in meat tenderness-meat aging. *Res. Conf. Meat Indus. New Zeal. Pap.* 110:32-35. 1966. 50.9 R31
- 11581 FRANCOIS, M. T., and BREMENT, M. Difficulties of applying classical methods of analysis to pharmaceutical wool fats. (Fr) *Ann. Pharm. Franc.* 24(5):339-342. May 1966. 396.8 An7
- 11582 GUERRA, C. F. Evaluation of hides. III. (Sp) *Inst. Invest. Tecnol. Rev.* 8(41):39-43. May/June 1966. 241.4 In73
- 11583 GURA, K. Die desinfizierende Wirkung von Amphotensiden auf Salmonellen [Disinfecting effect of amphotensides on Salmonellae]. *Handover. Tierarztl. Hochschule. Inaug.-Diss.* 22,48 p. 1965. 41.2 H198
Bibliography, p.40-47.
Testing of Tego 51 and Tegel on meat, chiefly.
- 11584 HAMM, R., and HOFMANN, K. Sulfur-containing compounds of meat. II. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 130(2):85-92. Ref. 1966. 384 Z39
- 11585 HEIDRICH, H. G., and WYNSTON, L. K. A report on the presence of a third alpha component in calf and rat skin tropocollagens. *Hoppe-Seyler's Z. Physiol. Chem.* 342(1/3):166-169. 1965. 384 Z38
- 11586 HOROBETS', H. D. Effect of glycolysis on quality of beef. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 5:111-113. May 1965. 20 V82
Russian summary.
- 11587 LOGTESTIJN, J. G. VAN. The post-mortem pH-pattern in meat and its significance in relation to the judging of slaughter animals. (Dn) *Tijdschr. Diergeneesk.* 91(15):950-961. Aug.1, 1966. 41.8 T431
English summary.
- 11588 MAHMOOD-UL-HASSAN, and PEARSON, D. The rapid determination of fat in meat products in routine industrial control. *J. Sci. Food Agr.* 17(9):421-424. Ref. Sept. 1966. 382 So12
- 11589 MARSH, B. B. Meat tenderness. *Res. Conf. Meat Indus. New Zeal. Pap.* 110:30-31. 1966. 50.9 R31
- 11590 MARTINI, I. The question of "corned beef." (It) *Nuovo Prog. Vet.* 21(9):425-426, 428, 430. May 15, 1966. 41.8 P942
Its composition.
- 11591 NOTTINGHAM, P. M., and COOPER, E. Bacteriological aspects in the conditioning of lamb for the U.S. market. *Res. Conf. Meat Indus. New Zeal. Pap.* 110:46-48. 1966. 50.9 R31
- 11592 PAUL, P. C., BUCHTER, L., and WIERENGA, A. Solubility of rabbit muscle proteins after various time-temperature treatments. *J. Agr. Food Chem.* 14(5):490-492. Ref. Sept./Oct. 1966. 381 J8223
- 11593 PENNA, R., and CERETTO, F. Observations on the methods of research on Salmonella of contaminated products. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:255-263. Ref. 1964. 41.9 T843
English summary.
- 11594 PHILBECK, R. H. Report on meat and meat products. *Ass. Offic. Anal. Chem. J.* 49(1):68. Feb. 1966. 381 As7
- 11595 POKORNY, J., and PAZLAR, M. Influence of hemoglobin on autooxidation of lard in water-free medium. (Ge) *Nahrung* 10(3):274-275. 1966. 389.8 N142
- 11596 ROSSI, C., and GUARDA, F. Bacteriological and histological findings during the freeze-drying of bovine meat and chicken-meat. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:207-229. Ref. 1964. 41.9 T843
English summary.
- 11597 ROTOV, V. L., and STEBLYUK, P. M. Microscopic luminescent analysis as quick method for determination of Salmonella in meat. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 7:107-108. July 1965. 20 V82
- 11598 TAKACS, J. Microbiology of sausages. (Ge) *Fleischmeister* 20(8):200-204. Aug. 1966. 50.8 F622
Consumption and Utilization
- 11599 NAUMANN, H. D., HOWARD, A., and BOUTON, P. E. Consumer reactions to steak beef. *Meat Trades J. Australia* 29(8):53-59. Aug. 1966. 50.8 M465
- 11600 SIMPSON, F. M. "Meat stage" still booms in U.S.A. *Livestock Breeder J.* 9(11):20. 96. Nov. 1966. 49 L758
Consumption.
- Distribution, Marketing, and Transportation
- 11601 ALBERTA LIVESTOCK CO-OPERATIVE. 26th annual meeting, July 6 and 7, 1966. Edmonton, 1966. 43 p. 280.2409 AL1
- 11602 COPPERSMITH, R. L. Market looks bright for slaughter cattle. *Feed Bag* 42(10):34-35. Oct. 1966. 389.78 F32
- 11603 DANNER, M. J. Selling feeder cattle to advantage. *Highlights Agr. Res. [Ala. Sta.]* 13(2):11. Summer 1966. 100 AL1H
- 11604 DICKERSON, J. Horse traders. *West. Horseman* 31(10):78, 173-175. Oct. 1966. 42.8 W522
- 11605 DISCUSSION: marketing and processing. *Nat. Inst. Anim. Agr. Proc., 15th Conf.* :93-98. 1965. 49.9 N219
Moderator: T. Hieronymus; members: Morse, Seger, Bauman, Harris, Butz.
- 11606 DISCUSSION: marketing and processing. *Nat. Inst. Anim. Agr. Proc., 15th Conf.* :107-117. 1965. 49.9 N219
Moderator: W. L. Brown; members: Fohl, Theis, Garver, Palmbly, Wolney, Shaw, Eavey, House, Redd.
- 11607 DONATH, E. J. Australian beef industry expands with changing market demands. *Calif. Cattleman* 49(10):6-7. Oct. 1966. 43.8 C12
- 11608 EDMUNDS, H. Our livestock auctions. *Roy. Agr. Soc. Engl. J.* 126:45-52. 1965. 10 R81
- 11609 GADOMSKI, W., and NODZAK, B. On the quality of baby pigs and young pigs. (Pol) *Gosp. Miesna* 18(5):22-23. May 1966. 50.8 G69
Purchasing and advisory services for care.
- 11610 GORSKI, A. Use of containers in meat product transports. (Pol) *Gosp. Miesna* 18(5):13-15. May 1966. 50.8 G69
- 11611 KOZLOWSKI, S. On possibility of changes in the payment system in livestock purchasing. II. (Pol) *Gosp. Miesna* 18(5):19-21. May 1966. 50.8 G69
- 11612 MURRA, G. E., and MIRE, T. G. Operating costs at Louisiana livestock auctions. *La. Rural Econ.* 28(4):8-10. Nov. 1966. 281.8 L93
- 11613 O'ROURKE, J. J. California beef promotion—idea for Canadian cattlemen? *Can. Cattleman* 29(11):28-29, 32-33. Nov. 1966. 49 C16
- 11614 OSTERREICHISCHER Viehmarkt—Kalender [Austrian livestock market calendar] 1966. Wien, 1965. 108 p., map. 280.38 Os7
- 11615 SIDHU, D. S., and JOHL, S. S. Structure of cattle markets in Punjab. *Agr. Marketing [Nagpur]* 8(4):20-24. Jan. 1966. 280.38 Ag84
- Grading, Inspection, Standardization, and Quality
- 11616 ABERG, B. The Swedish national survey for cesium-137 in meat. *Pol. Arch. Weter.* 9(2): 421-433, map. Ref. 1965. 41.8 P76
- 11617 BIRMINGHAM, E., NAUMANN, H. D., and HEDRICK, H. B. Relation between muscle firmness and fresh meat stability. *Food Technol.* 20(9):128-130. Ref. Sept. 1966. 389.8 F7398
Studies with pork and beef.

- 11618 BUND FÜR LEBENSMITTELRECHT UND LEBENSMITTELKUNDE. Richtlinien für Fleisch-erzeugnisse; Neufassung vom 5. November 1965 [Regulations for meat products; revision of November 5, 1965]. Bund Lebensmittelrecht Lebensmittelkunde. Schriftenreihe 56, 11 p. 1965. 389.9 B88
- 11619 CUSHEN, R. A. Yield grading for beef. New Zeal. Meat Prod. 10(12):49. Sept. 1, 1966. 50.8 N48
- 11620 DOMOS, L. Materials handling and the dangers of contamination during the manufacture of sausage type meat products. (Hu) Huspar 15 (4):137-140. July/Aug. 1966. 50.8 H95 English summary.
- 11621 GEWECK, G. Trichinosis inspection, the law and professional loyalty. (Ge) Tierarztl. Umsch. 21(8):408-411. Aug. 1, 1966. 41.8 T445
- 11622 IVANOV, I., and IONESCU, C. The effect of metals on food products of animal origin. (Rum) Indus. Aliment. 16(9):473-475, 492. Sept. 1965. 389.8 In26 English summary, p. 3 of supplement.
- 11623 KNEWALLNER, K., and HAAS, J. Spoilage of raw sausages caused by yeast. (Ge) Wien. Tierarztl. Monatsschr. 53(7):466-468. Ref. July 1966. 41.8 T345 English summary. Candida lipolytica.
- 11624 LICCIARDELLO, J. J., NICKERSON, J. T. R., and GOLDBLITH, S. A. Observations on radio-pasteurized meats after 12 years of storage at refrigerator temperatures above freezing. Food Technol. 20(9):138. Sept. 1966. 389.8 F7398
- 11625 NAGY, E. Control of meat products in Austria. (Hu) Huspar 15(4):166-171. July/Aug. 1966. 50.8 H95 English summary.
- 11626 NOSKE, O. Quality control in the meat industry. (Hu) Huspar 15(4):151-153. July/Aug. 1966. 50.8 H95 English summary.
- 11627 SAINZ MORENO, L. Staphylococcus poisoning by eating food of animal origin. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(247):3-24. Jan. 1965. 41.9 C67
- 11628 SIEVERS, M. The quality of slaughter animals of domestic origin 1950-1964: results of slaughter animal and meat inspection. (Ge) Statist. Monh. Schleswig-Holstein 18(1):8-10. Jan. 1966. 265 Sch328m
- 11629 U. S. CONSUMER AND MARKETING SERV. TECHNICAL SERV. DIV. List of chemical compounds authorized for use under USDA poultry, meat, rabbit, and egg products inspection programs. Rev. Washington, 1966. 75 p. aT501.A3U5
- 11630 WESTOO, G. Mercury in meat and liver from swine, calves and oxen as well as reindeer (Sw) Var Foda 18(7):88-91. July 1966. 389.8 V26

Prices, Price Control, and Rationing

- 11631 ALBERTARIO, P. A rebellious market. (It) G. Agr. 76(42):445-446. Oct. 16, 1966. 16 It1G Beef cattle prices.
- 11632 CIZEJ, D. Why are prices of Yugoslav heifers for breeding much higher than of those imported? (Sl) Soc. Kmetijstvo Gozdarstvo 17 (8):176-177. June 18, 1966. 21.5 So14
- 11633 MEDRI, E. The halt on imported meat. (It) G. Agr. 72(33/34):370. Aug. 14/21, 1966. 16 It1G Beef prices in Italy in relation to the E.E.C.

Processing and Storage

- 11634 BARNES, J. F. Palletising of meat and meat products. Res. Conf. Meat Indus. New Zeal. Pap. 110:75-80. 1966. 50.9 R31

- 11635 DUNCUM, W. J. Quality craftsmanship individuality. Meat Indus. [London] 39(10):40-41. Oct. 1966. 389.8 Im72 Meat processing.
- 11636 FLEMING, A. K. The refrigeration research laboratory. Res. Conf. Meat Indus. New Zeal. Pap. 110:61-63. 1966. 50.9 R31
- 11637 GHIMESSY, L. Some data to the history of the development of the assortment of meat products. (Hu) Huspar 15(4):163-165. July/Aug. 1966. 50.8 H95 English summary.
- 11638 GOHLER, L. Continuous raw fat processing in the VEB Combined Meat and Sausage Works, Dresden [VEB Vereinigte Fleisch- und Wurstwerke Dresden]. (Ge) Fleischermeister 20 (8):212-214. Aug. 1966. 50.8 F622
- 11639 HIRSEKORN, A. Protein properties and their importance in meat treatment and processing. (Ge) Fleischermeister 20(8):216-217. Aug. 1966. 50.8 F622
- 11640 IMRE, L. Analysis of drying technique for preservation of salami sausage. III. (Ge) Z. Lebensmittel-Untersuchung - Forsch. 131(1):1-11. Ref. p. 9-11. 1966. 384 Z39
- 11641 LENDA, T., and RYBA, J. Comparative analysis of production management of canned hams and shoulders with the application of modern technology. (Pol) Gosp. Miesna 18(5):2-5. May 1966. 50.8 G69
- 11642 LUVISI, F. P., and others. Alkenyl succinic acid-silicone systems for water-resistant leather. Amer. Leather Chem. Ass. J. 59(11):585-593. Ref. Nov. 1966. 303.9 Am32 - W. J. Hopkins, J. Naghski, and E. M. Filachi - joint authors.
- 11643 LYALL, N. Tastier cooked hams and better bacon; developments to assist British bacon curers. Food Trade Rev. 36(10):69-70. Oct. 1966. 389.8 F7334
- 11644 MOORE, R. E., MANDIGO, R. W., and HENRICKSON, R. L. The effect of cutting, chilling, and cooking method on the quality of pork loin. Food Technol. 20(7):107-109. Ref. July 1966. 389.8 F7398
- 11645 MUTHIAH, P. L., SELVARANGAN, R., and NAYUDAMMA, Y. Manufacture of light weight leather. I. Amer. Leather Chem. Ass. J. 59 (11):594-603. Ref. Nov. 1966. 303.9 Am32
- 11646 PANDAV, W. N., and WAGLE, D. T. Utilisation of rejections from pickled skins. Tanner 21(3):771-76. Aug. 1966. 303.8 T15 Tanning in India.
- 11647 PASTERNAK, K. Internal transport in planning a meat packing plant. (Pol) Gosp. Miesna 18(5):6-11. May 1966. 50.8 G69
- 11648 PEPPER, K. W. How U.S. tanners achieve higher productivity than U.K. tanners. Leather 162(4203):116-117, 121. Oct. 28, 1966. 303.8 L48
- 11649 RONGEY, E. H., and BRATZLER, L. J. The effect of various binders and meats on the palatability and processing characteristics of bologna. Food Technol. 20(9):134-137. Ref. Sept. 1966. 389.8 F7398
- 11650 WADSWORTH, C. K., and SHULTS, G. W. Low temperature irradiation of meat. Res. Develop. Ass. Activ. Rep. 18(1):13-17. Spring 1966. 389.9 As74A
- 11651 ZUKAL, E., and CSEKLO, M. Weight losses in the meat industry. (Hu) Huspar 15(4):141-143. July/Aug. 1966. 50.8 H95 English summary. During processing.

Statistics

- 11652 CANADA, BUR. OF STATISTICS. Livestock and animal products statistics, 47th, 1965. Ottawa, 1966. 84 p. 253 C334 Text also in French.
- 11653 QUEBEC, BUR. OF STATISTICS. Hogs at June 1, 1966. Quebec, 1966. 6 p. 253.8 St2Pp Text also in French.

- 11654 QUEBEC, BUR. STATISTICS. Livestock and poultry as at December 1, 1965. Quebec, 1966. 42 p. 253.8 Ag82L
Text also in French.

OILS AND OILSEEDS

- 11655 ACHAYA, K. T. Storage and stability studies of fatty materials. *J. Food Sci. Technol. [My-sore]* 3(1):29. Apr. 1966. 389.8 J823
- 11656 ALBERTARIO, P. Regulation of European Common Market for edible oils. (It) *G. Agr.* 76(334):365. Aug. 14/21. 1966. 16 ItIG
Price control and its effects on Italy.
- 11657 AMERICAN SOYBEAN ASSOCIATION. 46th annual convention. Soybean Dig. 26(12):22-80. Sept. 1966. 60.38 So9
Resolutions and addresses.
- 11659 ARAI, S., and others. Studies on flavor components in soybean. II. Phenolic acids in defatted soybean flour. *Agr. Biol. Chem.* 30(4):364-369. Apr. 1966. 385 Ag8B
H. Suzuki, M. Fujimaki, and Y. Sakurai, joint authors.
- 11659 BAKER, F. R., TRAYLOR, H. D., and ROY, E. P. Economic feasibility of soybean oil milling in South Central Louisiana: a preliminary analysis. *La. Rural Econ.* 28(4):5-8. Nov. 1966. 281.8 L93
Costs and returns.
- 11660 BARTLET, J. C., and IVERSON, J. L. Estimation of fatty acid composition by gas chromatography using peak heights and retention time. *Ass. Offic. Anal. Chem. J.* 49(1):21-27. Ref. Feb. 1966. 381 As7
In oils.
- 11661 BECKE, R. R. Working toward a better industry. *Amer. Tung News* 17(10):10-11, 16. Oct. 1966. 307.8 Am33
Chiefly tung oil.
- 11662 BENEDETTI, A. Olive culture after the Brussels decisions. (It) *G. Agr.* 76(38):399. Sept. 18, 1966. 16 ItIG
- 11663 BHATIA, D. S., PARPIA, H. A. B., and BALI-GA, B. P. Peanut protein isolate—production and properties. *J. Food Sci. Technol. [Mysore]* 3(1):2-12. Ref. Apr. 1966. 389.8 J823
- 11664 BRESSANI, R., and others. The protein quality of cottonseed protein concentrate prepared by two different industrial processes. *J. Agr. Food Chem.* 14(5):493-498. Ref. Sept./Oct. 1966. 381 J8223
L. G. Elias, S. de Zaghi, L. Mosovich, and F. Viteri, joint authors.
- 11665 BRUCE, W. N., and DECKER, G. C. Insecticide residues in soybeans grown in soil containing various concentrations of aldrin, dieldrin, heptachlor, and heptachlor epoxide. *J. Agr. Food Chem.* 14(4):395-398. Ref. July/Aug. 1966. 381 J8223
- 11666 CAMPBELL, D. Australia's peanut industry expands. *Peanut J. Nut World* 46(1):11-13. Nov. 7, 1966. 77.8 P313
- 11667 CHEN, S. C., and FRIEDMAN, L. Aflatoxin determination in seed meal. *Ass. Offic. Anal. Chem. J.* 49(1):28-33. Ref. Feb. 1966. 381 As7
Peanut and cottonseed.
- 11668 COWAN, J. C. Soybean oil in today's world—key problems in flavor stability. *Soybean Dig.* 26(12):48-53. Sept. 1966. 60.38 So9
- 11669 DAVIDEK, J., and BENIAC, F. Colorimetric determination of butylhydroxyanisol. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(1):32-36. Ref. 1966. 384 Z39
Antioxidant.
- 11670 EAPEN, K. E., KALBAG, S. S., and SUBRAHMANYAN, V. Key operations in the wet-rendering of peanuts for the isolation of protein, oil and starch. *Amer. Oil Chem. Soc. J.* 43(10):585-589. Ref. Oct. 1966. 307.8 J82
- 11671 ELDRIDGE, A. C., ANDERSON, R. L., and WOLF, W. J. Polyacrylamide-gel electrophoresis of soybean whey proteins and trypsin inhibitors. *Arch. Biochem. Biophys.* 115(3):495-504. Ref. Sept. 9, 1966. 381 Ar2
- 11672 ENDRES, J. G. An apparatus for the rapid preparation of fatty acid esters from lipids for gas chromatographic analysis. *Amer. Oil Chem. Soc. J.* 43(10):600. Oct. 1966. 307.8 J82
- 11673 FIRESTONE, D. Report on oils, fats, and waxes. *Ass. Offic. Anal. Chem. J.* 49(1):71-73. Feb. 1966. 381 As7
- 11674 FISHER, G. S. Research on utilization of limonene in the Naval Stores Laboratory. *Citrus Indus.* 46(10):23-24. Ref. Oct. 1965. 80 C49
From citrus peel oil.
- 11675 FORE, S. P., and SUMRELL, G. Some derivatives of 5-*isocosenic* acid. *Amer. Oil Chem. Soc. J.* 43(10):581-584. Ref. Oct. 1966. 307.8 J82
Component of seed oil of *Limnanthes douglasii*.
- 11676 FRANKE, W., and others. Study of ureid-splitting enzymes. I. Soybean allantoinase. (Ge) *Enzymologia* 29(3/5):251-271. Ref. June 11, 1965. 390.08 En9
A. Theimann, C. Remily, L. Mochel, and K. Heye, joint authors.
English summary.
- 11677 FRAUENDORF, H. Trace analysis of fat products by gas chromatographic determination of the free fatty acids of C_{12} to C_{22} . (Ge) *Z. Anal. Chem.* 221:305-311. Ref. 1966. 384 Z3
English summary.
- 11678 HADORN, H., and ZURCHER, K. Inconsistencies and defects in determination of peroxide number and oxidation readiness. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(2):127-141. Ref. 1966. 389.9 Sw6
English summary.
Edible oils.
- 11679 HADORN, H., and ZURCHER, K. A simplified differential-UV-absorption analysis for the investigation of edible oils. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(1):27-42. 1966. 389.9 Sw6
English summary.
- 11680 HAKEN, J. K. New coatings from tung oil urethanes. *Amer. Tung News* 17(5):4-5. May 1966. 307.8 Am33
- 11681 HAKMAN, V. Production and marketing problems of edible fats and oil in Turkey. *Oils Oilseeds J.* 19(2):16-17, 20. Aug. 1966. 307.8 Oi54
- 11682 HARKNESS, C., and others. The problem of mycotoxins in groundnuts (peanuts) and other food crops of tropical Africa. *Food Technol.* 20(9):72, 74-78. Sept. 1966. 389.8 FT398
D. McDonald, W. C. Stonebridge, J. A. Brooks, and H. S. Darling, joint authors.
- 11683 HENDERSON, J. C. Handling soybeans to prevent damage. *Soybean Dig.* 26(12):35-36. Sept. 1966. 60.38 So9
- 11684 HIERONYMUS, T. A. Soybean prospects in 1966-67. *Soybean Dig.* 26(12):69, 70-71. Sept. 1966. 60.38 So9
Includes oil.
- 11685 HIRANO, K. Situation of soybean industry in Japan. *Oils Oilseeds J.* 19(2):14-15. Aug. 1966. 307.8 Oi54
- 11686 HOLLO, J., KURUCZ, E., and BORODI, A. The possibilities of refining sunflower oil with molecular distillation. (Ge) *Fette, Seifen, Anstrichmittel* 68(9):719-725. Sept. 1966. 384 C422
English summary.
- 11687 JACINI, G. Latist findings on terpenes of edible oils. (Fr) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(6):532-533. 1965. 389.9 Sw6
- 11688 JORDAN, E. F., and others. Intrinsic viscosity-number average molecular weight relationship for poly(*n*-octadecyl acrylate) and poly(*N*-*n*-octadecylacrylamide). *Amer. Oil Chem. Soc. J.* 43(10):563-567. Ref. Oct. 1966. 307.8 J82
H. A. Monre, B. Artymyshyn, and A. N. Wrigley, joint authors.
- 11689 KARTHA, A. R. S. Validity of Gunstone's acyl group distribution theory in vegetable fats containing appreciable GS. *Amer. Oil Chem. Soc. J.* 43(10):601-602. Oct. 1966. 307.8 J82

- 11690 KATSOULIS, P., and KALOXYLOS, P. Recent investigations on the characteristics of Greek olive oil, particularly spectrophotometric and gas chromatographic studies. *Sostanze Grasse* 43(8):352-356. Ref. Aug.1966. 307.8 OL3
English summary.
- 11691 KILGORE, L. Comparisons of the fatty acid content of cottonseed oil used in glass and iron pans. *Amer. Oil Chem. Soc. J.* 43(10):590-591. Ref. Oct.1966. 307.8 J82
- 11692 KONSTAS, A. S. Olive-kernel oil industry. (Gre) *Biomech. Epithoresis* 382:21-26. Aug.1966. 442.8 B5292
- 11693 LEDUC, G. The development of the world fats market. (Fr) *Banque Cent. Etats Afr. Equatoriale Cameroun. Etud. Statist. Bull. Mens.* 115:463-480. Aug./Sept.1966. 286.9 P21
Statistics of production and trade.
- 11694 LEWIS, Y. S., NAMBUUDIRI, E. S., and PHILIP, T. Composition of cardamom oils. *Perfumery Essent. Oil Rec.* 57(10):623-628. Oct.1966. 308.8 P41
- 11695 MASON, M. E., JOHNSON, B., and HAMMING, M. Flavor components of roasted peanuts; some low molecular weight pyrazines and a pyrrole. *J. Agr. Food Chem.* 14(5):454-460. Ref. Sept./Oct.1966. 351 J8223
- 11696 MORRIS, L. J., MARSHALL, M. O., and KELLY, W. A unique furanoid fatty acid from *Exocarpos* seed oil. *Tetrahedron Lett.* 38:4249-4253. Sept.1966. 385 T29
- 11697 PANDEY, S. N., and BHATT, I. G. Rapid centrifuge method for the determination of oil in cottonseeds. *Indian Cent. Cotton Comm. Technol. Lab. Technol. Bull. Ser. B* 103,8 p. Sept.1965. 72.9 I2332B
- 11698 PARIS. INSTITUT DES CORPS GRAS. Rapport d'activite [Report of activity], 1965. Paris, 1966. 82 p. 307.9 P21
- 11699 PRUDIZE, V. G., and SOKOLOVA, M. A. Comparative characteristics of essential oil from Grecian-laurel leaves and waste. (Rus) *Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult.* 3:113-118. 1965. 68.19 M28
English summary.
- 11700 RANDOLPH, C. Agree on oil promotion for Japan. *Soybean Dig.* 26(12):66. Sept.1966. 60.38 So9
For consumer use of vegetable oil.
- 11701 RAO, K. V., and others. Wax and fatty acids from rice bran oil sludges. (Ge) *Fette, Seifen, Anstrichmittel* 68(9):746-748. Sept.1966. 384 C422
B. P. Rao, G. S. R. Reddy, B. A. R. Somayajulu, and S. D. T. Rao, joint authors.
- 11702 RAO, S. D. T., RAO, D. M., and MURTI, K. S. Studies on the Indian rice bran and rice bran oil. V. Hydraulic pressing of rice bran. *Oils Oilseeds J.* 19(2):4-6-8. Aug.1966. 307.8 O154
- 11703 REHDE, O. F. New York Produce Exchange to trade soybean futures. *Soybean Dig.* 26(12):80. Sept.1966. 60.38 So9
- 11704 REUNION D'INFORMATION SUR LA STABILITE DE L'HUILE DE SOJA. [Reports of the Information Meeting on Soybean Oil Stability]. (Fr) *Rev. Franc. Corps Gras* 13(8/9):513-527. Aug./Sept.1966. 307.8 R32
- 11705 SCHOLZ, R. G., and PTAKE, L. R. A gas chromatographic method for measuring rancidity in vegetable oils. *Amer. Oil Chem. Soc. J.* 43(10):596-599. Ref. Oct.1966. 307.8 J82
- 11706 SEDLACEK, B. A. J. Study of the U. V. spectra of the volatile products formed by the thermal oxidation and autooxidation of fats. (Ge) *Fette, Seifen, Anstrichmittel* 68(9):725-731. Sept.1966. 384 C422
English summary.
- 11707 SINGLETON, W. S., BROWN, M. L., and ZERINGUE, H. J. A method for adsorbent fractionation of cottonseed oil for experimental intravenous fat emulsions. *Amer. Oil Chem. Soc. J.* 43(10):592-595. Oct.1966. 307.8 J82
- 11708 SKRIPNIK, G. Taking in consideration mistakes made last year. (Rus) *Zakupki Sel'skokhoz. Prod.* 9:26-27. Sept.1966. 280.38 Z14
Sunflower production and purchasing.
- 11709 SOYPRO INTERNATIONAL. A study of the soybean industry in Yugoslavia. Cedar Falls, Iowa, 1964. 105 p. Ref. 60.3 So92
- 11710 STREZLECK, S., and KOGAN, L. Note on thin layer chromatography of aflatoxin. *Anal. Chem. J.* 49(1):33. Feb.1966. 381 As7
In peanuts.
- 11711 TALLENT, W. H., and others. (R)-13-hydroxy-9, trans-11-octadecadienoic acid, the principal fatty acid from *Coriaria nepalensis* Wall. seed oil. *Tetrahedron Lett.* 36:4329-4334. Ref. Sept.1966. 385 T29
J. Harris, I. A. Wolff, and R. E. Dundin, joint authors.
- 11712 VANETTEN, C. H., and others. Seed meal hydrolysis: variation in enzymatic degradation products from the major thioglucosides in *Crambe abyssinica* and *Brassica napus* seed meals. *J. Agr. Food Chem.* 14(4):426-430. Ref. July/Aug.1966. 381 J8223
M. E. Daxenbichler, J. E. Peters, and H. L. Tooky, joint authors.
- 11713 VERESHCHAGIN, A. G., and NOVITSKAYA, G. V. Possibility of synthesis of trillinol in plant tissues by means of dehydration of oleodilennin. (Rus) *Akad. Nauk SSSR. Dokl.* 170(1):202-203. 1966. 511 P444A
Flaxseeds.
- 11714 VOESTE, T., and SCHMIDT, H. J. Calculation of continuous fat-splitting system. (Ge) *Fette, Seifen, Anstrichmittel* 68(9):743-745. Sept.1966. 384 C422
English summary.
- 11715 WAHEEDUDDIN, M., SAMBAN, M. A. S., and AGGARWAL, J. S. A comparative study of some catalysts for the dehydration of castor oil. *Paintindia* 16(5):24-26. Aug.1966. 306.8 P164
- 11716 WANAMAKER, G. E. World trends in oilseed production. *Soybean Dig.* 26(12):72-74. Sept.1966. 60.38 So9
- 11717 WEIGEL, K. Oil-containing paints. (Ge) *Seifen-Ole-Fette-Wachse* 92(18):605-610. (Cont.) Ref. Aug.3,1966. 307.8 Se4
- 11718 WINKELMAN, A. The keeping quality of oils and fats. (Du) *Pharmac. Weekbl.* 101(58):833-841. Ref. Sept.23,1966. 386.8 P4922
- 11719 WOLF, L. G. U. S. government programs affecting soybeans. *Soybean Dig.* 26(12):30-31. Sept.1966. 60.38 So9
- 11720 ZENI, E. The importance of soybean culture in the future of Argentine agriculture. (Sp) *Bolsa Com. Rosario. Rev.* 54(1311):6-11. Sept.15, 1966. 287 R71

POULTRY AND POULTRY PRODUCTS

- 11721 BAKER, R. C., and DARRAH, L. B. New poultry and egg products developed at Cornell. *Farm Res. [N. Y. Sta.]* 31(4):4-5. Jan./Mar. 1966. 100 N48A
- 11722 BELL, D. D., and CURLEY, R. G. Egg cooling rates affected by containers. *Calif. Agr.* 20(8):2-3. June 1966. 100 C12Cag
- 11723 BIRTH, A. K. Size standards. I-II. Cornell Poultry Pointers 18(3):2-5. Sept.1966. 47.8 C81
For eggs.
- 11724 BLUESTONE, H. Latest poultry use figures show gains in popularity. *Agr. Situation [Washington]* 50(8):13. Aug.1966. 1 Ec7Ag
- 11725 CADDY, J. A. Outlook for egg producers in 1966. *Calif. Golden Egg* 4(6):8,14,22. Dec. 1965. 47.8 C122
Chiefly for California.
- 11726 ENGEL, C., GROOT, A. P. DE., and WEURMAN, C. Tetrachloroanisole: a source of musty taste in eggs and broilers. *Science* 154(3746):270-271. Oct.14,1966. 470 Sc12
- 11727 FRANCIS, P. R. Some impressions of the American poultry industry. *Farming Zambia* 1(4):3-5. July 1966. S19.F3
- 11728 FRONING, G. W., and HARTUNG, T. E. Poultry products; color, texture influence buyer. *Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home* 13(2):11. Summer 1966. 100 N27N
Poultry meat.

- 11729 FRY, J. L., and others. Enzymatic tenderization of poultry meat. *Food Technol.* 20(7):102-103. July 1966. 389,8 F7398
P. W. Waldroup, E. M. Ahmed, and H. Lydick, joint authors.
- 11730 GAFFIELD, W., VITELLO, L., and TOMIMATSU, Y. Optical rotatory dispersion of egg proteins. II. Environment sensitive side chain chromophores in conalbumin. *Biochem. Biophys. Res. Commun.* 25(1):35-42. Ref. Oct. 5, 1966. 442,8 B5236
- 11731 GUSSEKLOO, W. G. The product image of eggs. (Du) *Landbouwkundig Tijdschr.* 78(8):291-296. Aug. 1966. 105,2 Or3
Consumer attitudes.
- 11732 HAYCOCK, R. P., and others. Spectrophotofluorometric determination of reserpine residue in poultry tissues. *J. Agr. Food Chem.* 14(4):437-440. July/Aug. 1966. 381 J8223
P. B. Sheth, R. J. Connally, and W. J. Mader, joint authors.
- 11733 HENRY, W. R., and BENDER, F. E. Seasonal outcrops may vanish in four years. *Broiler Indus.* 29(11):36-37, 39, 42, 44. Nov. 1966. 47,8 N45
Industry; includes costs.
- 11734 HUTTAR, J. C. What's ahead in egg production? *Agway Coop.* 2(9):4-5. Sept. 1966. 280,28 Ag9
Industry.
- 11735 KRIESEL, H. C. Factors affecting the competitive position of the poultry industry in West Virginia and in other regions. W. Va. Agr. Exp. Sta. Bull. 529T, 175 p. Ref., p. 143-146. June 1966. 100 W52
A Northeast Regional Marketing Research Project.
- 11736 MAYER, F. Do egg dealers have a place in the future? *Poultry Trib.* 72(11):14,64. Nov. 1966. 47,8 P8642
- 11737 METZ, K. Technological problems in the drawing and carving of poultry. (Ge) *Fleischermester* 20(8):205-208. Aug. 1966. 50,8 F622
- 11738 MINICH, S. K., MOUNTNEY, G. J., and PRUDENT, I. The effect of age and sex of panel members on taste thresholds for standard chicken broth. *Food Technol.* 20(7):120-123. Ref. July 1966. 389,8 F7398
- 11739 MINOR, L. J., PEARSON, A. M., and STINE, C. M. Chemical analyses: chicken flavor studies. *J. Agr. Food Chem.* 14(4):416-419. Ref. July/Aug. 1966. 381 J8223
- 11740 NIKULITSKII, I. V. Poultry industry in service of the Five-Year Plan. (Rus) *Zhivotnovodstvo* 8:3-13. Aug. 1966. 49 Z6
- 11741 PARRA C., C. A. Egg consumption in the City of Bogota. (Sp) *Inst. Invest. Tecnol. Rev.* 8(42):43-51. July/Aug. 1966. 241,4 In73
- 11742 QUILICI, R. The poultry and egg industry. (It) *Agricoltura* 15(8):52-58. Aug. 1966. 16 Ag8226
- 11743 ROLLINS, F. D. Opportunities unlimited. *Calif. Golden Egg* 4(6):10-11, 19. Dec. 1965. 47,8 C122
Occupations in the poultry industry.
- 11744 SCHMIDT, H. Animal raw materials in poultry slaughterhouses. (Ge) *Fleischermester* 20(8):199-200. Aug. 1966. 50,8 F622
Feather industry in East Germany.
- 11745 SCHON, I. On the flavor of poultry meat. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(36):1346-1348, 1350. Sept. 8, 1966. 18 N39
- 11746 SCHULTZ, R. W. The cleaning of eggs. (Fr) *Quebec Lait. Aliment.* 25(9):14-15. Oct. 1966. 44,8 Q3
- 11747 STADELMAN, W. J., MOSTERT, G. C., and HARRINGTON, R. B. Effect of aging time, sex, strain, and age on resistance to shear of turkey meat. *Food Technol.* 20(7):110-114. Ref. July 1966. 389,8 F7398
- 11748 STEYN, P. L., and LATEGAN, P. M. The effect of beta-propiolactone (BPL) on *Salmonella typhimurium* in egg pulp. *S. Afr. J. Agr. Sci.* 9(1):229-237. Ref. Mar. 1966. 24 S3
- 11749 THOMAS, D. L. No chicken pluckers; poultry raising has grown into a big and risky business. *Barron's* 46(46):3, 18-19, 21. Nov. 14, 1966. 284,8 B27
- 11750 THOMAS, M. J. Hospital, nursing homes hot market. *Broiler Indus.* 29(10):108, 110. Oct. 1966. 47,8 N45
For poultry meat.
- 11751 TOMIMATSU, Y., CLARY, J. J., and BARTU-LOVICH, J. J. Physical characterization of ovinhibitor, a trypsin and chymotrypsin inhibitor from chicken egg white. *Arch. Biochem. Biophys.* 115(3):536-544. Ref. Sept. 9, 1966. 381 Ar2
- 11752 VIALI, G. The national poultry register must be strengthened by valorization of the industry. (It) *G. Agr.* 76(38):404. Sept. 18, 1966. 16 ItG
Legislation.
- 11753 WESTOO, G. Mercury in eggs from Swedish hens, in meat from Swedish hens, broilers and chickens as well as in Swedish chicken liver. (Sw) *Var Foda* 18(7):85-88. July 1966. 389,8 V26
- 11754 WHITE, M. Alabama's broiler industry; its contribution to the State's economy. *Highlights Agr. Res. [Ala. Sta.]* 13(3):3. Fall 1966. 100 ALIH
- 11755 WILLIAMS, E. W. Denmark strives to up poultry consumption; 19,000 Holland stores have FF cabinets. *Quick Frozen Foods* 29(3):58-62, 186. Oct. 1966. 389,8 Q4
Includes frozen food consumption in Switzerland, Belgium, and Norway.

RUBBER AND RUBBER SUBSTITUTES

- 11756 BERG, K. W. Study on the rubber (*Hevea brasiliensis*). (Sp) *Rev. Cafetalera* 60:25-29. Aug. 1966. 68,28 R322
Industry.
- 11757 BUGBEE, H. C. Natural rubber's place in the world picture. *Rubber World* 155(1):95-96, 98. Oct. 1966. 305,8 In2
- 11758 COOPER, W., and GRACE, N. S. Elastomers. *J. Polymer Sci. Part C, Polymer Symp.* 12:133-150. Ref. 1966. 381 J829S
- 11759 HULLAR, T. L., and SMITH, F. The neutral carbohydrates of ammoniated rubber latex. *Arch. Biochem. Biophys.* 115(3):505-509. Ref. Sept. 9, 1966. 381 Ar2
- 11760 KUMMER, H. W. Unified theory of rubber and tire friction. *Penn. State Univ. Coll. Eng. Res. Bull.* B-94, 135 p. July 1966. 290,9 P38
Bibliography, p. 130-135.
- 11761 SCOTT, O., and others. The Division of Rubber Chemistry: catalyst of an industry. *Rubber World* 155(1):69-71, 74-76. (Cont.) Oct. 1966. 305,8 In2
B. Mulligan, J. Del Gatto, and K. Allison, joint authors.
- 11762 SHARPLES, A. Introduction to polymer crystallization. New York, St. Martin's Press, 1966. 138 p. Ref. QD471.S4
Includes rubber.

SEEDS

- 11763 ARNOLD, L. E. Private research, merchandising, farm management problems. *Seed World* 99(4):4-8. Sept. 23, 1966. 61,8 Se52
The seed industry's interest in forage crop research.
- 11764 BLYAKHEROVA, R., and MALASHIN, V. Regulations for selling elite seeds and the first progeny of grain breeding to collective and state farms. (Rus) *Selek. Semenovodstvo* 5:66-70. Sept./Oct. 1966. 61,9 Se5
- 11765 BOEKE, J. E., and KUIPER, W. The evaluation of the number of clusters per unit weight of precision beet seed. (Du) *Wageningen. Rijksproefsta. Zaadcontr.* Meded. 17:53-58. Jan. 1966. 61,4 W12M
English summary.
Sugar beet seed.
- 11766 DOROUGH, H. W., RANDOLPH, N. M., and WIMBISH, G. H. Persistence of methyl parathion residues on sunflower seeds. *Bull. Environ. Contamination Toxicol.* 1(3):86-89. May/June 1966. RA1270.P35A1

- 11767 ENGELMANN, C. A contribution to the evaluation of data of experiments. III. The quality of pea seeds of 1961-1964 yields in Mecklenburg. (Ge) Nachrichtenbl. Deut. Pflanzen-schutzdienst (n.s.)19(3):77-80. 1965. 464.9 N11
English summary.
Certified seeds.
- 11768 HAY, J. B., and GRAY, G. M. The isolation of O-beta-D-galactopyranosyl-(1-4)-D-galactose: a product of the partial acid hydrolysis of the galactan of white-lupin (*Lupinus albus*) seeds. Biochem. J. 100(3):33C-35C. Ref. Sept.1966. 382 B52
- 11769 JENTJENS, Exchange of potato planting material and the development of yields. (Ge) Kartoffelbau 17(7):194-195. July 1966. 75.8 K145
- 11770 KALOSHINA, Z. M. Uniformity and the weight of seeds. (Rus) Sele. Semenovodstvo 5:30-31. Sept./Oct.1966. 61.9 Se5
- 11771 KLOCHKOV, V. N. For consideration to the elite seed growers. (Rus) Len Konoplya 10: 34-35. 1966. 73.8 L542
Policies and outlook.
- 11772 MALIANI, C. Seed production; threats, misunderstandings, and prospects after the proposed EEC regulation. (It) G. Agr. 76(39):413. Sept.25,1966. 16 I1G
- 11773 NELSON, R. The strength and weaknesses of the seed business. Seed World 99(5):6-8. Oct.14,1966. 61.8 Se52
- 11774 PIOT, J. C. The production bases of certified seeds. (Fr) Agr. Romande (ser.A)5(5):49-50. May 1966. 17 Ag3
- 11775 UMEN, D. P. Some problems of standardization of the seed materials. (Rus) Sele. Semenovodstvo 5:27-30. Sept./Oct.1966. 61.9 Se5
- 11776 WAGENINGEN. RIJKSPROEFSTATION VOOR ZAAÐCONTROLE. De zaadcontrole in 1964/1965; overzicht van de werkzaamheden. Seed testing in 1964/1965; annual report. Wageningen. Rijksproefsta. Zaadcont. Meded. 17, 72 p. Jan.1966. 61.4 W12M
- 11777 WEST VIRGINIA. DEPT. OF AGRICULTURE. Seed inspection report, July 1, 1965 to June 30, 1966. W. Va. Dep. Agr. Bull. (n.s.)132,15 p. 1966. 2 W522
- 11778 YAKIMENKO, A. F. Ripening proso and buck-wheat seeds after harvesting. (Rus) Sele. Semenovodstvo 5:64-65. Sept./Oct.1966. 61.9 Se5

SUGAR AND SIRUPS

- 11779 ALBERTARIO, P. Rejuvenation of beet culture. (It) G. Agr. 76(35/36):375. Aug.28/Sept.4,1966. 16 I1G
Sugar and beet prices as set by the E.E.C.
- 11780 ANDERS, H. Possibilities of sanitary measures against the dust in sugar industry. (Ge) Zucker 19(10):255-257. May 15,1966. 65.8 Z82
English summary.
- 11781 ASOCIACION DE TECNICOS AZUCAREROS DE PUERTO RICO. Abstracts of papers to be delivered at the 1966 annual meeting of Puerto Rican Sugar Technologists. Sugar Azucar 61 (1):40-43,67. Nov.1966. 65.8 F11
Also in Spanish, p.74-77,106.
- 11782 ASTRALAGA DI RUGGIERO, R. Estudio agro-económico sobre la cana de azucar en el Valle del Zulia, Norte de Santander [Agroeconomic study of sugarcane in the Zulia Valley, North of Santander]. INCORA (Inst. Colombiano Reforma Agr.) Ser. Estud. 9,154 p. Mar.1965. 282.9 In72
- 11783 BASTANZURI, R., RUIZ, V., and BAEZ, P. Different properties of bagasses stored in bulk or packed. (Sp) Rev. Tecnol. 4(1):3-38. Jan./Feb.1966. 475 N88
- 11784 BAXA, J. Prussian monarchs and the sugar industry. II. (Ge) Zucker 19(10):258-261. May 15,1966. 65.8 Z82
- 11785 BIDAN, P., and others. Use of resazurin for the detection of microbial infections in the sugar factory. (Fr) Indus. Aliment. Agr. 83 (7/8):915-919. Ref. July/Aug.1966. 383 As7
J. Genotelle, G. Rousseau, and J. Stambul, joint authors.
In sugar beet juice.
- 11786 BLUM, J. Desaturation of degraded products; preparation of the massecuites before turbinning. (Fr) Indus. Aliment. Agr. 83(7/8):965-968. July/Aug.1966. 383 As7
English summary.
- 11787 BRUNICHE-OLSEN, H. Recent experience with the DDS cane diffuser. Sugar Azucar 61(8):27-29. Aug.1966. 65.8 F11
Text also in Spanish, p.51-53,80.
Includes processing.
- 11788 CASEY, J. A. Reducing final molasses purity with Pan-Aid. Sugar J. 29(5):32-37. Oct.1966. 65.8 Su391
- 11789 CASHEN, N. A., and FRILLOUX, J. J. Comparison of methods for determination of starch in sugar cane juice. J. Agr. Food Chem. 14 (4):434-437. Ref. July/Aug.1966. 381 J8223
- 11790 DAVIDSON, L. G. Relation of pith in sugar cane to yields of cane and sugar. Sugar Azucar 61(11):54-55. Nov.1966. 65.8 F11
Text also in Spanish, p.88,90.
- 11791 DELVAUX, P. Sugar silos. 15 p. Ref. (TT 63-16351) Transl. 16040
Translation from Sucrerie Belge 76:225-251. 1956/57.
Issued by CFSTI.
- 11792 DEVILLERS, P. Drying and storage of sugar. (Fr) Indus. Aliment. Agr. 83(7/8):971-974. July/Aug.1966. 383 As7
- 11793 DEVILLERS, P. L., LOILIER, M. R., and CHARTIER, J. C. Studies on the respiration of beets after digging up. (Fr) Indus. Aliment. Agr. 83(7/8):901-911. July/Aug.1966. 383 As7
- 11794 ERICKSON, E. R., BERNITSEN, R. A., and ELIASON, M. A. Viscosity of corn sirup. J. Chem. Eng. Data 11(4):485-488. Oct.1966. 381 C422
- 11795 GLORIA, M. F. High-quality paper products from bagasse pulp. Sugar Azucar 61(10):41-43. Oct.1966. 65.8 F11
Text also in Spanish, p.65-66,68.
- 11796 GRUSZECKA, H., and GAWRYCH, S. Recirculation of sediment from first carbonation in preliminary liming. (Pol) Gaz. Cukrownicza 73(8):184-185. Aug.1965. 66.8 G25
- 11797 HANGYAL, K. Changes of technical properties of sugar beets during various methods of storage. I. (Ge) Zucker 19(11):279-285. June 1,1966. 65.8 Z82
- 11798 HANGYAL, K. Changes of technical properties of sugar beets during various methods of storage. II. (Ge) Zucker 19(12):303-310. Ref. June 15,1966. 65.8 Z82
English summary.
- 11799 HASHIZUME, T., and others. Constituents of cane molasses. I. Agr. Biol. Chem. 30(4):319-329. Apr.1966. 385 Ag8B
S. Higa, Y. Sasaki, H. Yamazaki, H. Iwamura, and H. Matsuda, joint authors.
- 11800 HENRY, J. Some general principles of lime and carbonic acid purification in sugar refinery. (Fr) Sucrerie Belge 86(1):1-9. Ref. Sept.15,1966. 66.8 S11
- 11801 HONIG, P., and CHEN, J. C. P. Systematic quality control of Peruvian raw sugar. Sugar J. 29(5):18-24. Oct.1966. 65.8 Su391
- 11802 HORTON, D., and TRONCHET, J. M. J. Extension of sugar chains through acetylenic intermediates. II. Carbohydr. Res. 2(4):315-327. Ref. Aug.1966. 385 C172
- 11803 HUANG, J. C. Diversification of the sugar industry in Taiwan. Taiwan Sugar 13(1):8-13. Jan./Feb.1966. 65.8 T133
- 11804 JANOTTA, J. Raw material of the 1964 campaign. (Pol) Gaz. Cukrownicza 73(8):195-198. Aug.1965. 66.8 G25
Sugar beet statistics.
- 11805 KAMBHU, J. The sugar industry, a weak link in the Thai economy. Bangkok Bank Mon. Rev., Mar.1966:99-106. 284.8 B224

- 11806 KISSINGER, J. C., and WILLITS, C. O. The control of bacterial contamination in maple sap stored in field storage tanks by ultraviolet irradiation. *J. Milk Food Technol.* 29(9):279-282. Sept. 1966. 44.8 J824
- 11807 KLAUSHOFFER, H. New results of the microbiology of manufacturing sugar from sugar beets. (Ge) *Zucker* 19(14):366-371. Ref. July 15, 1966. 65.8 Z82
English summary.
- 11808 KOKOT, A. Some problems of storing sugar beets in the sugar factories of Silesia. (Pol) *Gaz. Cukrownicza* 73(9):218-220. Sept. 1965. 66.8 G25
- 11809 KONDOR, G. Elaboration of an optimum transportation and processing program for sugar-beets. *Econ. Planning [Helsinki]* 6(1):43-52. 1966. 280.8 Ec7324
- 11810 KORBONITS, A. The effect of changes in the sugar content on the national economic value of sugar beet. (Hu) *Cukoripar* 19(5):182-187. (Concl.) Sept./Oct. 1966. 65.8 C89
Processing costs and losses.
- 11811 KORN, H. F. Practice of automatically controlled boiling. (Ge) *Zucker* 19(13):337-348. July 1, 1966. 65.8 Z82
English summary.
In sugar manufacture.
- 11812 KRIPALANI, S. Need to rejuvenate U.P. [Uttar Pradesh] sugar industry. *Indian Sugar* [Calcutta] 16(4):319-320. July 1966. 65.8 In26
- 11813 KUHNEN, G. Danger of dust explosions in sugar storages. (Ge) *Zucker* 19(14):371-377. July 15, 1966. 65.8 Z82
English summary.
- 11814 LANE, R. C. Computer expansion program aids growers. *Sugar Beet* 18(49):11. Fall 1966. 66.8 Su34B
In marketing.
- 11815 LEPESHKIN, I. P., and P'YANKOV, G. A. Sugar production in the USSR during the Seven-Year-Plan 1958-1965. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:88-96. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 473 J663Tr
Translation from *Sakhar'naya Promyshlennost'* 6:1-6. 1966.
Issued by CFSTI.
- 11816 LISTOWSKY, L., ENGLAND, S., and AVIGAD, G. Optical rotatory dispersion of sugars. II. Carbohydr. Res. 2(4):261-271. Ref. Aug. 1966. 385 C172
- 11817 MARAIS, J. P. An improved method for the preparation of two spray reagents for the detection of sugars on chromatograms. *S. Afr. J. Agr. Sci.* 9(1):267. Mar. 1966. 24 Su3
- 11818 MOREUL, M. Measurement of humidity in powdery solids and possibilities of application in the sugar industry. (Fr) *Indus. Aliment.* Agr. 83(7/8):977-981. July/Aug. 1966. 383 As7
- 11819 NEUBRUNN, F. The balance between the sugar extracted by the press returning waters and the sugar remaining in the pulp. (Ge) *Zucker* 19(10):242-245. May 15, 1966. 65.8 Z82
English summary.
- 11820 NOETINGER, M. Automation of manipulating of samples and automatic sampling of data in a sugar weighing room. (Fr) *Indus. Aliment.* Agr. 83(7/8):883-885. July/Aug. 1966. 383 As7
In sugar beets.
- 11821 PAVELESCU, F., and ARJOCA, S. Application of mathematical methods in economy for the betterment of partition in production and consumption regions. (Rum) *Indus. Aliment.* 16(9):479-484. Sept. 1965. 369.8 In26
English summary, p.3 of supplement.
Sugar.
- 11822 PENDESE, S. B., and others. Studies on the filtrability of Indian raw sugars. *Indian Sugar* [Calcutta] 16(4):329-331. Ref. July 1966. 65.8 In26
K. C. Gupta, S. Bose, and S. Mukherjee, joint authors.
- 11823 PENG, K. W. MSG [L-monosodium glutamate] manufacture, a profitable industry for molasses utilization. *Taiwan Sugar* 13(2):26-30. Mar./Apr. 1966. 65.8 T133
- 11824 PETZALL, E. B. Sugar in Spain. (Ge) *Zucker* 19(11):286-287. June 1, 1966. 65.8 Z82
Industry.
- 11825 QUEENSLAND, BUR. OF SUGAR EXPERIMENT STATIONS, DIV. OF MILL TECHNOLOGY. Operations report. 65/3. Trials of double purging of C massecuite. 65/4. The Eimco belt filter at Pleystowe. Queensland, 1965. 20 p. 65.9 Q35
- 11826 QUEENSLAND, BUR. OF SUGAR EXPERIMENT STATIONS, DIV. OF MILL TECHNOLOGY. Operations report. 65/5. The effect of the addition of filtrates and scums on the clarifiability of mixed juice. 65/6. Mixed juice screening with S.D.M. screens. Queensland, 1965. 15 p. 65.9 Q35
- 11827 RHYN, M. Measurement of pH in sugar manufacture. (Fr) *Indus. Aliment.* Agr. 83(7/8):983-987. July/Aug. 1966. 383 As7
- 11828 RIMBERT, J., and TOURLIERE, S. Pressing of beet pulp. (Fr) *Indus. Aliment.* Agr. 83(7/8):989-996. July/Aug. 1966. 383 As7
- 11829 ROULLARD, G. History of sugar plantations of Mauritius. (Fr) *Rev. Agr. Sucriere Ile Maurice* 45(2):106-137. (Cont.) Ref. p.135-137. Apr./June 1966. 24 M44
- 11830 SABRI, I. B. Cane payment system in the United Arab Republic. *Sugar J.* 29(4):22-25. Sept. 1966. 65.8 Su391
Contract farming.
- 11831 SCHMIDT, H. The farmers' trade cooperative gets a new face. (Ge) *Deut. Bauernkongr. Ueberarb. Protokoll*, 9th Congr.:485-489. 1966. 280.29 D482
Cooperation between the BHG and collectives for use of sugar beet transportation equipment.
- 11832 SMITH, D. Farm and labor problems squeeze Puerto Rican factories. *Sugar Azucar* 61(11):47-48. Nov. 1966. 65.8 F11
Text also in Spanish, p. 78-79.
- 11833 SOUTH AFRICAN SUGAR ASSOCIATION. Annual general meeting, July 1966. *S. Afr. Sugar J.* 50(8):729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749. Aug. 1966. 65.8 So8
Addresses of chairman and vice-chairman, and the 1965/66 annual report.
- 11834 STANTON, B. F. Sugar and sugar beets; economic statistics and industry data for the United States. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 436, 25 p. May 1966. 281.9 C81Ae
- 11835 SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA. Year book & directory of Indian sugar factories, 1964-65. Kanpur, 1965. 173 p. 65.9 Su33
- 11836 SWARUP, L. B. Sugar industry in west U.P. *Indian Sugar* [Calcutta] 16(4):321-325. July 1966. 65.8 In26
- 11837 TAO, H. C. Bagasse fiber board. *Taiwan Sugar* 13(2):21-25. Mar./Apr. 1966. 65.8 T133
- 11838 TSENG, R. H., and WEI, C. Rapid deterioration of molasses in storage. *Taiwan Sugar* 12(4):13-23. Oct./Dec. 1965. 65.8 T133
- 11839 VAVRINECZ, G. Formation and composition of beet molasses. V. (Hu) *Cukoripar* 19(5):163-169. Sept./Oct. 1966. 65.8 C89
German summary.
- 11840 VUKOV, K. Thermo-stability of sugar manufacture juices. VI. (Hu) *Cukoripar* 19(5):188-191. Sept./Oct. 1966. 65.8 C89
German summary.
- 11841 WILLER, R. New forms of cooperation with agriculture necessary. (Ge) *Deut. Bauernkongr. Ueberarb. Protokoll*, 9th Congr.:185-189. 1966. 280.29 D482
Sugar and starch industry.
- 11842 WILLITS, C. O. Report on methods for maple products. *Ass. Offic. Anal. Chem. J.* 49(1):79. Feb. 1966. 381 As7
- 11843 YUAN, M. B. Outlook on the United Nations Sugar Conference. *Taiwan Sugar* 12(4):9-11. Oct./Dec. 1965. 65.8 T133
Condensed from original Chinese article; Taiwan attitude toward the new International Sugar Agreement.

- 11844 ZAGRODZKI, S. In sugar factories and refineries of England. (Pol) Gaz. Cukrownicza 73(8):186-191, map. Aug. 1965. 66.8 G25
- 11845 ZAGRODZKI, S., and NIEDZIELSKI, Z. Influence of a sound field on the formation of crystals in supersaturated sucrose solutions. (Fr) Indus. Aliment. Agr. 83(7/8):957-961. Ref. July/Aug. 1966. 383 As7
English summary.

TOBACCO

- 11846 ARSENYAN, E., and PASKALEVA-TOMOVA, K. Method in studying oxidation processes in tobacco fermentation. (Rus) Bulgarska Akad. Nauk. Dokl. 19(3):229-232. 1966. 512 So2
- 11847 BELL, J. H., SAUNDERS, A. O., and SPEARS, A. W. The contribution of tobacco constituents to phenol yield of cigarettes. Tobacco [New York] 163(21):57-62. Ref. Nov. 18, 1966. 286.89 T552
- 11848 BOLDEN, C. A. Marketing in Andhra Pradesh. Tobacco [New York] 163(21):26-27, 34, 37-38, map. Nov. 18, 1966. 286.89 T552
- 11849 BROOKS, R. C. The potential demand for United States flue-cured tobacco. N. C. State Coll. Agr. Eng. Dep. Agr. Econ. A.E. Inform. Ser. 125, 67 p. Mar. 1966. 281.9 N816
Domestic and foreign.
- 11850 DECKER, K., GRIES, F. A., and BRUHMLER, M. Decomposition of nicotine by bacteria enzymes. III. Metabolism studies on cell-free extracts. 25 p. Ref. Transl. 16062
Arthrobacter oxydans.
Translation from Hoppe-Seyler's Zeitschrift fur Physiologische Chemie 323:249-263. 1961.
- 11851 DECKER, K., and others. On the degradation of nicotine by bacterial enzymes. IV. L-6-hydroxy-nicotine as the first intermediate. 31 p. Ref. Transl. 16063
H. Eberwein, F. A. Gries, and M. Bruhmüller, joint authors.
Translation from Biochemische Zeitschrift 334:227-244. 1961.
- 11852 FERRI, E. S., and BARATTA, E. J. Polonium-210 in tobacco products and human tissues. Radiol. Health Data Rep. 7(9):485-488. Sept. 1966. 151.65 R11
- 11853 FUKUZUMI, T., TAKAHARA, H., and KANEKO, H. Isolation of allo-isoleucic acid (alpha-hydroxy-beta-methylvaleric acid) and beta-hydroxy-beta-methylvaleric acid from Turkish tobacco leaves. Agr. Biol. Chem. 30(5):513-514. May 1966. 385 Ag8B
- 11854 HAAS, F. P. Tobacco industry must unite against foes in present crisis. Tobacco [New York] 163(16):14-15, 25. Oct. 14, 1966. 286.89 T552
- 11855 OGG, C. L. Report on tobacco. Ass. Offic. Anal. Chem. J. 49(1):44-45. Feb. 1966. 381 As7
- 11856 RAO, P. S. Tobacco—a decade of progress for India. Tobacco [New York] 163(21):7. Nov. 18, 1966. 286.89 T552
- 11857 RAO, P. S. Tobacco industry makes vast strides in decade. Tobacco [New York] 163(21):16-17, 34. Nov. 18, 1966. 286.89 T552
India.
- 11858 SLOAN, C. H., and SUBLETT, B. J. Colorimetric method of analysis for nitrates in tobacco. Tobacco [New York] 163(16):29-34. Oct. 14, 1966. 286.89 T552

- 11859 TOBACCO. 1966 buyers' guide and directory. Tobacco [New York] 163(18, sect. 2):235 p. Oct. 28, 1966. 286.89 T552
- 11860 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Tobacco acreages allotted by States and by kinds, 1940-65. Washington, 1966. 3 p. aHD9136.A5
- 11861 YAPI VE KREDİ BANKASI. Turkish tobacco, November, 1964. Yapi Kredi Bankası A. S. Market. Stud. 1, 18 p. 1965. 280.39 Y1M
Industry; includes trade and statistics.
- 11862 YAZUDZHIAN, E., and BOYADZHIEV, TS. Improving smoking and physical properties of tobacco products by additional processing of raw tobacco. (Bul) Bulg. Tyutyun 1:25-32. Ref. 1965. 69.8 B872

MISCELLANEOUS PRODUCTS

- 11863 BOTELHO, A. T. Generalities on dried and salted fish. (Por) Conserv. Peixe 21(246):17, 35. Sept. 1966. 389.8 C7692
- 11864 BROWN, S. E. The demand for flowers-by-wire. U. S. D. A. Marketing Res. Rep. 762, 36 p. June 1966. 1 Ag84M
- 11865 DANI, N. P., and AMLA, B. L. Containers for transport of fish. Indian Food Packer 20(2):30-36. Ref. Mar./Apr. 1966. 389.8 In25
Includes handling and storage temperature.
- 11866 FOTI, S. Flower culture in Sicily. (It) Ital. Agr. 103(5):472-487. Ref. May 1966. 16 It1
Industry.
- 11867 GSTIRNER, F., and KORF, G. Determination of tannins with milk protein. (Ge) Arch. Pharm. 299(9):763-768. Sept. 1966. 396.8 Ar2A
- 11868 KLOOS, G. Changes in the protein and amino acid content of hops in extraction with trichloroethylene. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 130(2):79-84. Ref. 1966. 384 Z39
- 11869 NISCULO, W., and FRANK, H. A. Bacterial spoilage of kamaboko during refrigerated storage. Food Technol. 20(7):114-117. Ref. July 1966. 389.8 F7398
- 11870 OREGON. STATE DEPT. OF AGRICULTURE. PLANT DIV. Oregon "66-"67 licensed nurserymen. Salem, 1966. 61 p. 225 Or32
- 11871 SCHALL, R. B. Problems in subcontracting. Amer. Nurseryman 124(5):13-14, 101. Sept. 1, 1966. 80 Am371
- 11872 SEN, D. P., and RAO, T. S. S. Deodorisation of fish protein concentrate from Bombay-duck (Harporhynchus). J. Food Sci. Technol. [Mysore] 3(1):27-28. Apr. 1966. 389.8 J823
- 11873 VISWESWARIAH, K., and others. Effect of spice oils on the keeping quality of shrimp. J. Food Sci. Technol. [Mysore] 3(1):18-20. Apr. 1966. 389.8 J823
R. Alphonsus, K. N. Shetty, and D. V. Shankaranarayana, joint authors.
- 11874 VYNCKE, W. Study of factors influencing the preservation of shrimp. (Fr) Rev. Agr. [Brussels] 19(7/8):815-831. Ref. July/Aug. 1966. 13 R322
- 11875 WARREN, R. M. How sod should be handled in a garden center. Seed World 99(4):20. Sept. 23, 1966. 61.8 Se52

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 11876 ATSEV, S. The spermatogenic cell system and its reactivity under the effect of ionising radiations. I. (Bu) Vet. Med. Nauk. 3(3):261-270. Ref. 1966. 41.8 V6468
English summary.
- 11877 BACZKOWSKA, H. Heterosis in the theory and practice of animal breeding. (Pol) Krakow, Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 6: 3-19. Ref. 1965. 49.9 K852
English summary.
- 11878 BONADONNA, T. New methods for the dilution and conservation in vitro of semen. (It) Zootech. Vet. 20(11/12):248-262. (Cont.) Nov./Dec. 1965. 41.8 Z7
English summary.
- 11879 BONADONNA, T. New methods for dilution and preservation of semen in vitro. (It) Zootechnia 14(2):52-59. Apr./June 1965. 41.8 Z73
- 11880 BONADONNA, T. Reproductive capacity of male breeder. (Fr) Zootechnia 14(3):81-88. July/Sept. 1965. 41.8 Z73
- 11881 DUIJN, C. VAN. Relations between properties of sperm and fertility. (Fr) Ann. Biol. Anim. Biochim. Biophys. 5(4):419-443. Ref. 1965. 442.8 An75
English summary.
Cattle, swine and poultry.
- 11882 GAHNE, B. Biochemical genetics of livestock. (Sw) Nord. Jordbrugsforsk. 47(4):235-244. Ref. 1965. 11 N752
- 11883 HAYES, C. To the service of the breeder; Center of Artificial Insemination at Quebec [Centre d'Insemination Artificielle a Quebec]. (Fr) Eleveur 20(1):6-7, 12. Nov./Dec. 1965. 49 B56
- 11884 KARRAS, W. The pathology of galea capitis. II. Case reports, clinical evaluation and observations on histogenesis of persistent acromiosis. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(16):312-318. Ref. Aug. 15, 1966. 41.8 B45
English summary.
- 11885 KOZHOUKHAROVA, L. Testing the resistance of Vibrio foetus to antibiotics in semen diluents. (Bu) Vet. Med. Nauk. 3(2):157-163. Ref. 1966. 41.8 V6468
English summary.
- 11886 LEIDL, W. Reproduction-biological prerequisites in the application of artificial insemination. (Ge) Tierzuechter 18(20):696-698. Oct. 20, 1966. 49 T445
Livestock.
- 11887 LEONHARD, I. State of investigations on the variability of basic milk components. (Pol) Roczn. Nauk Roln. 87-B-1:31-45. Ref. 1965. 20.5 R59
English summary.
Chiefly effects of breeding on milk of farm animals.
- 11888 MERKT, H. Development and spread of artificial insemination of domestic animals. (Ge) Tierzuechter 18(20):691-693. Oct. 20, 1966. 49 T445
- 11889 NES, N. Cytogenetic investigations of intersex of various domestic animals. (No) Nord. Jordbrugsforsk. 47(4):339-340. 1965. 11 N752
Chiefly pseudohermaphroditism.
- 11890 PAUFLE, S. Artificial insemination and animal hygiene. (Ge) Tierzuechter 18(20):695-696. Oct. 20, 1966. 49 T445
A means of controlling genital diseases.
- 11891 POLLAK, E. Some consequences of selection by culling when there is superiority of heterozygotes. Genetics 53(5):977-988. May 1966. 442.8 G28
Statistical research methods applicable to livestock.

- 11892 RAKO, A., and MIKULEC, K. Biochemical tests in domestic animals. (Ge) Zuchtungskunde 38(7):289-300. Ref. Aug./Sept. 1966. 49 Z8
English summary.
In relation to breeding value estimates.
- 11893 REUTER, H. Legal regulation of artificial insemination. (Ge) Tierzuechter 18(20):713-714. Oct. 20, 1966. 49 T445
In various countries.
- 11894 ROMANOWSKI, W. Artificial insemination station in Bremen. (Ge) Tierzuechter 18(20):715-716. Oct. 20, 1966. 49 T445
- 11895 SMDT, D. Utilization of germ cell production in farm animals from breeding aspect. (Ge) Tierzuechter 18(18):629-630. Sept. 20, 1966. 49 T445
Semen and artificial insemination.
- 11896 SMDT, D. Breeding importance of artificial insemination of domestic animals. (Ge) Tierzuechter 18(20):693-695. Oct. 20, 1966. 49 T445
- 11897 STAMMBERGER, A. A nomogram for determining heritability of various performances. (Ge) Arch. Tierzucht 9(4):273-276. 1966. 49 Ar23
English summary.
- 11898 VARO, M. Heritability and correlation investigations. (Sw) Nord. Jordbrugsforsk. 47(4):327-328. 1965. 11 N752
Livestock.
- 11899 VSESOUZNAJA KONFERENCIJA PO ULUCHSHENIU PLEMENNOGO DELA V ZHIVOTNOVODSTVE. MOSCOW, 1965. Materialy i rekomendatsii [Material and recommendations of the All-Union Conference on the Improvement of Breeding Work in Livestock Husbandry]. Moskva, Kolos, 1966. 582 p. SF5.V75
- 11900 WIERZBOWSKI, S. The scheme of sexual behaviour in bulls, rams and stallions. World Rev. Anim. Prod. 2:66-74. Ref. Apr./June 1966. 49 W89

FEEDS AND FEEDING

- 11901 ABREU, J. Mineral supplements for ruminants. (Por) Biologico 32(8):189-190. Aug. 1966. 442.8 B529
- 11902 ANDERSON, P. C. Optimum chemical composition of the diet of ruminants. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(251):259-281. May 1965. 41.9 C67
Especially major and minor elements.
Includes discussion.
- 11903 ASTRUP, H. Is oxidative rancidity of grain a quality problem? (No) Nord. Jordbrugsforsk. 47(4):292-293. 1965. 11 N752
- 11904 BEDO, S. Data on nutrient loss of alfalfa hay caused by leaf break-off. (Hu) Allattenyeszetes 15(3):265-272. Sept. 1966. 49 AL57
English summary.
- 11905 BEESON, W. M. Trace element requirement of the domestic animal. (Ge) Tierzuechter 18(14):495-496. July 20, 1966. 49 T445
Cattle, swine and sheep.
- 11906 BERTONCELJ, M. Once more on the Harvester system. (Sl) Soc. Kmetijstvo Gozdarstvo 16(13):311-314. Sept. 22, 1965. 21.5 S614
Preparation of silage and feeding of livestock.
- 11907 BRADY, C. J. On the nitrogen nutrition of silage strains of lactic acid bacteria. Australian J. Biol. Sci. 19(1):105-122. Ref. Feb. 1966. 442.8 Au72
- 11908 BRADY, C. J. The redistribution of nitrogen in silage by lactic acid-producing bacteria. Australian J. Biol. Sci. 19(1):123-130. Ref. Feb. 1966. 442.8 Au72
- 11909 BRITZMAN, D. G. Corn silage, important, versatile, economical forage for livestock feeding. GTA (Grain Terminal Ass.) Dig. 26(8):21-24. Oct. 1966. 280.28 G11
- 11910 CAMPBELL, C. Feeding demonstrations promote U.S. feed grains in U.K. Amer. Soc. Farm. Managers' Rural Appraisers. J. 30(2):12-16. Oct. 1966. 281.8 Am32

- 11911 COSTA BATILLORI, D. P. Minerals in animal nutrition. I-II. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(256):543-559; (257):619-637. Oct.-Nov. 1966. 41.9 C67
- 11912 CSOMOS, Z. Importance of agricultural secondary products. (Hu) Magyar Mezogazdasag 21(42):18. Oct. 19, 1966. 19 M27
Waste as feed.
- 11913 CUTHBERTSON, D. P., and WOOD, J. Animal nutrition research in the United Kingdom. World Rev. Anim. Prod. 2:24-38. Ref. Apr./June 1966. 49 W89
- 11914 DE VUYST, A., and MOREELS, A. Hormones as feed additives. (Fr) Zootechnica 14(3):71-80. Ref. July/Sept. 1965. 41.8 Z73
- 11915 DONA, V. The reasons and purposes of the round table. (It) Agricoltura 15(2):43. Feb. 1966. 16 Ag8226
On livestock feeding and consumer health, organized by the National Consumers' Union [Unione Nazionale Consumatori].
- 11916 DREW, K. R. The in vitro prediction of herbage digestibility. New Zeal. Soc. Anim. Prod. Proc., 26th Annu. Conf. :52-70. Ref. 1966. 49.9 N483
- 11917 FENDER, M. Linear programming of feed mixtures. (Ge) Kraftfutter 49(9):437-438, 440. Sept. 1966. 389.78 K85
- 11918 GAEDE, U. Potatoes in convenient silo. (Ge) Chem. Tech. Landwirt. 17(9):323-324. 1966. 384 C4292
- 11919 GREGOROVIC, V., JAZBEC, I., and SKUSEK, F. Minor elements in the production of livestock in FR Slovenia. (Sl) Soc. Kmetijstvo Gostdarstvo 17(10):238-239. Aug. 1966. 21.5 S014
- 11920 HANSEN, V. Storage of barley. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting): 84-90. 49.9 D41
Effect on feed quality.
- 11921 HIDVEGI, L. Nutrient content of sugar beet leaf top in relation to picking method. (Hu) Magyar Mezogazdasag 21(42):8-9. Oct. 19, 1966. 19 M27
As silage.
- 11922 JECSAI, MRS. GY. Amino acid composition and biological value of grains and other crops. (Hu) Allattenyesztes 15(3):247-254. Ref. Sept. 1966. 49 AL57
English summary.
Feed nutritive value relation.
- 11923 JENSEN, H. L., MOLLER, E., and PEDERSEN, E. J. N. Tentative experiments with addition of "Agronom Melasse" in the ensiling of pasture crops. (Da) Tidsskr. Planteavl 70(2):141-148. 1966. 11 T439
English summary.
- 11924 KIRCHMAYER, M. The influence of vegetation stage and of the conservation method upon the value of oats as fodder. (Pol) Roczn. Nauk Roln. 85-B-2:265-289. Ref. 1965. 20.5 R59
English summary.
- 11925 KORMSHCHIKOV, P. A. Alkali reserve in vegetative feed. (Rus) Zhivotnovodstvo 8:87-89. Aug. 1966. 49 Z6
- 11926 KROLAK, M. The role of manganese in animal nutrition. (Pol) Med. Weter. 22(4):236-240. Ref. Apr. 1966. 41.8 M463
- 11927 LIEBSCHER, K. Development, situation, and trends of the silo economy in Austria. (Ge) Forderungsdienst 14(4):112-117. Apr. 1966. 19 F75
Preparation.
- 11928 MERTZ, E. T. Characteristics of high-lysine corn. Grain Age 7(10):10, 16. Oct. 1966. 281.8 G76
Feed value.
- 11929 MUNK, H. Supplying minerals for ruminant on the grassland. (Ge) Tierarztl. Umsch. 21(7):332, 335-338. July 1, 1966. 41.8 T445
- 11930 NILSSON, R., and RYDIN, C. A new method of ensiling foodstuffs and feedstuffs of vegetable and animal origin. Enzymologia 29(3/5):126-142. June 11, 1965. 390.08 En9
- 11931 OCHERET'KO, F. I., and DUBYN'SKA, H. Nutritive value of perennial pasture grasses. (Uk) Visnyk Sil's'khopodar. Nauk. 7:68-73. July 1965. 20 V82
Russian summary.
- 11932 PANDA, B., and GUPTA, S. M. Utilisation of rice by-products in animal industry. J. Food Sci. Technol. [Mysore] 23(4):120-123. Oct./Dec. 1965. 389.8 J623
- 11933 PETTERSSON, A., and OLSSON, B. Proteinut-bytet i animalierproduktion [Protein yield in livestock production]. Uppsala, Lantbrukshogsk. Aktuell Lantbrukshogsk. 32, 15 p. Ref. 1966. 11 U62A
Feed requirements for milk, meat and egg production.
- 11934 PFOST, H. B. Criteria for evaluating feed mixer performance. I. Feedstuffs 38(43):30, 32. Oct. 29, 1966. 286.81 F322
- 11935 RIMSHA, P. I. Improving silage with phosphoric acid. (Rus) Zhivotnovodstvo 8:52-54. Aug. 1966. 49 Z6
Preservation.
- 11936 SOEHNGEN, F. K. Peanut grit—is it a competitor to soya grit? (Ge) Tierzucht 18(18): 637-638. Sept. 20, 1966. 49 T445
As feed.
- 11937 TANGI, H. Use of antibiotics in feeding animals and assessment of the sires by generations. (Bu) Vet. Med. Nauk. 2(9):777-784. 1965. 41.8 V6468
- 11938 VINTILA, M. Present methods and perspectives for the ensiling of alfalfa. (Rum) Rev. Gosp. Agr. Stat 18(5):23-26. May 1966. 21 R32
- 11939 WHITTENBURY, R. A study of the genus Leuconostoc. Arch. Mikrobiol. 53(4):317-327. Ref. May 9, 1966. 442.8 Ar26
Isolated from silage.
- 11940 WOGAN, G. N. Chemical nature and biological effects of the aflatoxins. Bacteriol. Rev. 30(2): 460-470. Ref. June 1966. 448.3 B13
In feed and food.
- 11941 WORLD CONGRESS OF ANIMAL FEEDING. 3. MADRID, 1966. Editorial, announcement and regulations, scientific programme, general reporters. Zootechnia 15(1):3-54. Jan./Mar. 1966. 41.8 Z73
Test in Spanish, English, French, and German.

Veterinary Medicine

- 11942 ADLER, E., MURILLO, P. A., and RIVENSON, S. Vacunas oleosas: preparacion de una emulsion estable tipo "agua en aceite" [Oil-vacines: preparation of a stable "water in oil" emulsion]. Rev. Invest. Agropecuar. Ser. 4. Patol. Anim. 3(1):1-14. Ref. 1965. 41.8 R3227
English summary.
- 11943 AHUJA, L. D. This ready reckoner converts heart girth into weight. Indian Livestock 3(3): 5, 7. July/Sept. 1965. 49 In23
- 11944 AINSWORTH, L., and RYAN, K. J. Steroid hormone transformations by endocrine organs from pregnant mammals. I. Estrogen biosynthesis by mammalian placental preparations in vitro. Endocrinology 79(5):875-883. Ref. Nov. 1966. 448.8 En2
In livestock.
- 11945 AIZINBUDAS, L., BUKAVYATSKENE, R., and DANIELJUS, I. Application of the histochemical method of cystine determination in hairs in avitaminosis. (Bu) Vet. Med. Nauk. 3(2): 131-132. 1966. 41.8 V6468
- 11946 ANDRAITIS, A. P. Veterinarine operacine chirurgija [Veterinary operative surgery]. Vilnius, Mintis, 1966. 240 p. Ref. SF911.A5
- 11947 BABINI, A. Valuation of the various methods of control of the foot-and-mouth disease vaccine. (It) Vet. Ital. 17(3/4):158-174. Mar./Apr. 1966. 41.8 C87
English summary.
Review of the literature.
- 11948 BALO, J. Comparison of lung tumours in animals and man. Int. Conf. Cancer. Proc., 3d Conf.:127-139. Ref. 1965, pub. 1966. SF605.15
- 11949 BELL, G. H. Physiology of the lungs of animals used for the experimental induction of lung tumours. Int. Conf. Cancer. Proc., 3d Conf.:15-24. Ref. 1965, pub. 1966. SF605.15

- 11950 BERTRAND, M. Genotypic diseases in veterinary pathology. (Fr) *Rev. Med. Vet.* [Toulouse] 29(3):181-199. Mar. 1966. 41,8 R32
English summary.
Includes review of the literature.
- 11951 BEVERIDGE, W. I. B. WHO's programme in comparative oncology. *Int. Conf. Cancer. Proc.*, 3d Conf.:XXIX-XLI. 1965, pub. 1966. SF605.15
- 11952 BIOLOGY COLLOQUIUM, 26, CORVALLIS, 1965. Host-parasite relationships; proceedings, edited by J. E. McCauley. Corvallis, Oregon State University Press, 1966. 148 p. 442,9 B524
Especially domestic animals.
- 11953 BONNES, H. A practitioner's laboratory. *Iowa State Univ. Vet.* 28(1):30-32. 1966. 41,8 V6425
Equipment.
- 11954 BRANDER, G. C. Chemotherapy. II. The use of antibiotics in the veterinary field. *Vet. Rec.* 79(6, Clin. Sup. 4):IX-XI. Ref. Aug. 6, 1966. 41,8 V641
- 11955 BRATANOV, K. On the etiological factors of abortions. (Bu) *Vet. Med. Nauk.* 3(1):3-9. 1966. 41,8 V6468
- 11956 BUCK, W. B., and MARSHALL, V. Veterinary toxicology—to make a diagnosis. *Iowa State Univ. Vet.* 28(1):7-9. 1966. 41,8 V6425
- 11957 BURGISSER, H. Institute Galli-Valerio, Swiss center for the study of diseases of game. (Fr) *Ann Agr.* 5:81,83,85-86. 1965/66. 17 An73
Includes diseases transmitted to man from domestic animals: a veterinary laboratory in Switzerland.
- 11958 CACCHIONE, R. A., and others. Leptospirosis en animales silvestres de la Argentina—estudio serológico [Leptospirosis in wild animals of Argentina—serological study]. *Rev. Invest. Agropecuar. Ser.* 4, *Patol. Anim.* 2(6):74-83. 1965. 41,8 R3227
E. S. Cascelli, M. J. D. Bulgini, and E. S. Martinez, joint authors.
English summary.
Includes spp. found in livestock.
- 11959 CACCHIONE, R. A., and others. Leptospirosis en animales silvestres; estado actual de sus investigaciones—aislamiento y clasificación de cepas Argentinas [Leptospirosis in wild animals; present status of investigations— isolation and classification of Argentine strains]. *Rev. Invest. Agropecuar. Ser.* 4, *Patol. Anim.* 2(13):173-197. 1965. 41,8 R3227
M. J. D. Bulgini, E. S. Cascelli, and E. S. Martinez, joint authors.
English summary.
Includes review of the literature.
Includes spp. found in livestock.
- 11960 CERETTO, F., and PENNA, R. Research on the frequency of agglutinating antibodies against *Listeria* in clinically healthy animals (cattle, swine, sheep and poultry. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:195-206. Ref. 1964. 41,9 T943
English summary.
- 11961 CIUCEANU, I., PREJBEANU, G., and MUNTEANU, M. Study of treatment of trichinosis. (Rum) *Rev. Gosp. Agr. Stat.* 18(5):35-36. May 1966. 21 R32
- 11962 COCKSEY, J. L. The nature, actions, and uses of adrenocortical steroids. *Auburn Vet.* 22(1):15-26. Ref. Fall 1965. 41,8 Au1
- 11963 CORDOBA, FACULTAD DE VETERINARIA. Works of the faculty awarded the gold medal of the city. (Sp) *Arch. Zootec.* 15(58):195-208. Apr./June 1966. 49 Ar22
- 11964 CUNNINGHAM, G. J. Alveolar lung cancer in man and adenomatosis in animals. *Int. Conf. Cancer. Proc.*, 3d Conf.:315-319. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 11965 DAHME, E. G. Classification and nomenclature of the spontaneous lung tumours in animals. *Int. Conf. Cancer. Proc.*, 3d Conf.:143-150. 1965, pub. 1966. SF605.15
- 11966 DANIEL, M. J. A preliminary survey of the incidence of brucellosis, leptospirosis, and salmonellosis in red deer in New Zealand. *New Zeal. J. Sci.* 9(2):399-408. Ref. June 1966. 514 N482
Brucella abortus, *Leptospira pomona* and *Salmonella* as agents.
- 11967 DAVYDOV, N. N. Brucellosis of reindeer in the Arctic Region. (Fr) *Office Int. Epizoot. Bull.* 63(7/8):1005-1014. July/Aug. 1965. 41,8 O12
English summary.
Of U.S.S.R.
- 11968 DEAMBROGIO, L. Leukemia, the great enemy. (It) *Nuovo Prog. Vet.* 21(10):478-480. May 31, 1966. 41,8 P942
- 11969 DERIVAUX, J., and ECTORS, F. A view of the progestogens and the synchronization of estrus. (Fr) *Ann. Med. Vet.* 110(4):229-265. Ref. June 1966. 41,8 An78
- 11970 DIKOV, V. Blood groups in animals and their significance to veterinary medicine. (Bu) *Vet. Med. Nauk.* 3(3):229-232. 1966. 41,8 V6468
- 11971 DOLLAHITE, J. W., HOUSHOLDER, G. T., and CAMP, B. J. Oak poisoning in livestock. *Tex. Agr. Exp. Sta. B-1049,8 p.* Ref. Apr. 1966. 100 T81S
- 11972 EDMONDS, R. S. The business aspects of a small animal practice. *Gas. Vet.* 18(5):17-24. Sept./Oct. 1966. 41,8 G29
- 11973 EISENMENGER, E. Sedation and narcotic premedication of domestic animal. (Ge) *Wien. Tierarztl. Monatsschr.* 53(8):529-546. Ref. Aug. 1966. 41,8 T345
- 11974 FEDERAZIONE NAZIONALE DEGLI ORDINI VETERINARI ITALIANI. From the national committee of the F.N.O.V.I.—annual meeting. (It) *Nuovo Prog. Vet.* 21(7):305-308,311-312, 314-316,318,320,322. Apr. 15, 1966. 41,8 P942
- 11975 FERRANDO, R. Toxicity problems; measures of protection. (Fr) *World Rev. Anim. Prod.* 2:75-85. Ref. Apr./June 1966. 49 W89
English summary.
- 11976 FETISOV, V. I. Treatment of lancet flukes in livestock. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 8:94-96. Aug. 1966. 20 V633
English summary.
- 11977 FLÜCKIGER, G. Seven original and 51 subtypes of foot-and-mouth disease virus. (Ge) *Tierarztl. Umsch.* 21(8):412,415. Aug. 1, 1966. 41,8 T445
- 11978 FRANCE. SERV. VETERINAIRE SAINTAIRE DE LA PREFECTURE DE POLICE. Rapport sur les opérations [Report of activities] 1965. Paris, 1966. 90 p. map. 41,9 F842
- 11979 GARCIA ALFONSO, C., and MARTIN MARTIN, E. Omphalofibrosis and umbilical suppuration. (Sp) *Madrid. Inst. Invest. Vet. An.* 14/15:11-22. 1964-65. 41,9 M262
In ruminants.
- 11980 GENOV, I. Effect of bactericidal means on the dehydrogenase activity of *Brucella*. (Bu) *Vet. Med. Nauk.* 3(1):37-46. Ref. 1966. 41,8 V6468
English summary.
- 11981 GENOV, I. Investigations into the diagnostic value of certain rapid typing methods of *Bacillus anthracis*. (Bu) *Vet. Med. Nauk.* 3(3):247-253. Ref. 1966. 41,8 V6468
English summary.
- 11982 GIZATULLIN, KH. G. On the essential tasks and means of modern Soviet prophylaxis of the diseases of livestock. (Bu) *Vet. Med. Nauk.* 3(2):107-113. 1966. 41,8 V6468
- 11983 GRANT, R. A. Variations in the amino acid composition of aortic elastin from different species. *Brit. J. Exp. Pathol.* 47(2):163-167. Ref. Apr. 1966. 448,8 B772
Includes swine, sheep and goat.
- 11984 GRUNDBOECK, M. Two new models of the sedimentation chamber for investigation of cells in body fluids. (Pol) *Pol. Arch. Veter.* 9(1):185-196. 1965. 41,8 P76
English summary.
- 11985 HARMMEYER, J. Free amino acids in rumen protozoa. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(4):211-218. Ref. July 1966. 389,78 Z3
English summary.
- 11986 HAYS, K. L., and FOSTER, C. H. Man, animals and tularemia in eastern Alabama. *Highlights Agr. Res. [Ala. Sta.]* 13(3):11. Fall 1966. 100 AL1H

- 11987 HERRICK, J. B. Would you invest \$1 to stop a \$5 loss? *Big Farmer* 36(5):35-36, Fall 1966, 58.8 B46
Livestock disease prevention.
- 11988 HIGUCHI, M., and TAKAHASHI, H. Effect of succinate on cellulose decomposition by the ruminal bacteria. III. *J. Gen. Appl. Microbiol.* 11(4):313-319. Ref. Dec.1965, 448.3 J824
- 11989 HOFMANN, W. Use of the transportable electrocardiograph "Cardiomat T" in veterinary medicine. (Ge) *Tierarztl. Umsch.* 21(7):339-340,343, Ref. July 1,1966, 41.8 T445
- 11990 HORVATH, Z., and LAMI, GY. On the general veterinary medical training at the University of Veterinary Science [Allatorvostudományi Egyetem]. (Hu) *Magyar Allatorv. Lapja* 21(8):368-371. Ref. Aug.1966, 41.8 V644
English summary.
- 11991 HURTER, K. P. Laboratory diagnosis of rabies with special reference to fluorescent antibody technique. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(15):289-292. Ref. Aug.1,1966, 41.8 B45
English summary.
- 11992 INTERNATIONAL CONFERENCE ON CANCER, 3, PERUGIA, 1965. Lung tumours in animals; proceedings. Perugia, Division of Cancer Research, 1966. 970 p. Ref. SF605.15
- 11993 IVANIA, G. M., and MARENNIKOV, V. I. Rabies in the German Democratic Republic and the application of Hempt rabies vaccine. (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 7:15-18, July 1966, 443.3 Z44
English summary.
Includes domestic animals.
- 11994 JASINSKA, S., LEWANDOWSKI, L., and SOBIECH, T. Environmental studies on the incidence of *Listeria monocytogenes* in silages, plants and soils. (Pol) *Wroclaw, Wyzsza Szkola Roln. Zeszyty Nauk. Weter.* 19:89-107, Mar. Ref. 1966, 41.9 B753
English summary.
- 11995 JEPSEN, A. Veterinary science and current sanitary problems concerning water and waste water. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(17):717-718, Sept.1,1966, 41.9 D23
- 11996 JONES, T. L. Veterinary education of the future. *Can. Vet. J.* 7(7):138-141, July 1966, 41.8 R3224
- 11997 KALUDIN, I. Investigations into the alpha-tocopherol metabolism in experimental E-avitaminosis. (Bu) *Vet. Med. Nauk.* 2(9):867-871. Ref. 1965, 41.8 V6468
English summary.
- 11998 KHRISTOFOROV, L. Diagnostic value of the passive hemagglutination test in brucellosis. V. Quantitative studies on the passive haemagglutination test in the three *Brucella* abortus types. (Bu) *Vet. Med. Nauk.* 3(1):17-23, 1966, 41.8 V6468
English summary.
- 11999 KINOSITA, R. Experimental lung tumors in animals. *Int. Conf. Cancer. Proc.*, 3d Conf.: 59-84, 1965, pub.1966, SF605.15
Bibliography, p.78-84.
- 12000 KORSBANG, J. Postgraduate study for veterinarians. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(16):694-695, Aug.15,1966, 41.9 D23
- 12001 KRIEG, K. Comprehensive observations on the nature and role of inclusion bodies in the present state. (Ge) *Arch. Exp. Veterinarmed.* 20(2):351-366, Ref. Apr.1966, 41.8 Ex7
- 12002 KROGH, P., and others. Studies on the toxicity of Danish *Aspergillus flavus* strains. *Denmark. Vet.-Landbohøjsk. Arsskr.*, 1966:129-147. Ref. 104 D41A
E. Hasselager, B. Hald, and A. Kjoller, joint authors.
Aflatoxin in Danish feed.
- 12003 PROTKOVA, A. P., ZHURILOV, N. V., and PORTNOVA, N. G. Determination of lactic acid in rumen content and in blood. (Rus) *Vestnik Sel'skokhoz. Nauk [Moscow]* 8:112-114, Aug.1966, 20 V633
English summary.
- 12004 KULPER, P. A. Foot-and-mouth disease. (Du) *Tijdschr. Diergeneesk.* 91(15):986-988, Aug.1,1966, 41.8 T431
Control.
- 12005 LASZLO, F. Ferda Ujhelyi's reform ideas in 1848. (Hu) *Magyar Allatorv. Lapja* 21(8):375-376, Aug.1966, 41.8 V644
Chiefly in veterinary medicine.
- 12006 LERHE, M. Contemporary problems on the hygiene and food stuffs and the tasks of veterinary science. (Bu) *Vet. Med. Nauk.* 2(10):907-911, 1965, 41.8 V6468
- 12007 LITWINOWICZ, J. Economic effects of the foot-and-mouth disease in the world animal husbandry. (Pol) *Gosp. Miesna* 18(5):24-25, May 1966, 50.8 G69
- 12008 LOCHMANN, E. H. Evaluation of course writings for the research on historical development of instruction in an educational institution exemplified on clinical teaching between 1782 and 1828 of the then "Thierarzneyschule" of Hanover. (Ge) *Tierarztl. Umsch.* 21(7):348,353-357, Ref. July 1,1966, 41.8 T445
- 12009 LUCAM, F., DANNACHER, G., and FEDIDA, M. Culture of foot-and-mouth disease virus in stationary cellular suspension and study of its immunogenic power. (Fr) *Rev. Med. Vet. [Toulouse]* 117(6):497-511, Ref. June 1966, 41.8 R32
English summary.
- 12010 MACKLE, N. The veterinarian and the technician. (Ge) *Prakt. Tierarztl* 47(9):478,481-483, Sept.1,1966, 41.8 P882
Chiefly in artificial insemination work.
- 12011 MAYER, A. Difference between animal and man in labor pains acceptance. (Ge) *Tierarztl. Umsch.* 21(7):357-358, July 1,1966, 41.8 T445
- 12012 MEHRKENS, L. A contribution on X-ray installation in veterinary practice. (Ge) *Tierarztl. Umsch.* 21(7):346-348, July 1,1966, 41.8 T445
- 12013 MESHCHERYAKOV, F. A. Simple procedure for preparation of polyethylene fistula tubes. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 52(9):1155-1156, Sept.1966, 444.8 F58
- 12014 MESZAROS, J. Twenty years of struggle against contagious animal disease as reflected in the Hungarian professional literature. 25 p. (JPRS 36,671; TT 66-33102) Transl. 16136
Translation from Magyar Allatorvosok Lapja 1:1-12, Jan.1966.
CSFTL \$2.00.
- 12015 MEYER, H., and others. Some clinical-chemical methods in veterinary medicine. 3. Protein determination in serum. (Ge) *Arch. Exp. Veterinarmed.* 20(2):327-337, Ref. Apr.1966, 41.8 Ex7
W. Erler, D. Schimmel, and G. Steinbach, joint authors.
- 12016 MIERZEJEWSKI, J. Cultural and toxic properties of the "nerz" strain of *CL Clostridium botulinum* type C. III-IV. (Pol) *Pol. Arch. Weter.* 10(1):37-56, Ref. 1966, 41.8 P76
English summary.
For the preparation of vaccine.
- 12017 MONTRONI, L., and BARBONI, E. Primary lung carcinomata in domestic mammals: morphology and histogenesis. *Int. Conf. Cancer Proc.*, 3d Conf.:189-208. Ref. p.205-208. 1965, pub.1966, SF605.15
- 12018 MORGAN, H. C. The value of the erythrocyte sedimentation rate in veterinary medicine. *Vet. Med./Small Anim. Clin.* 61(5):462-466, Ref. May 1966, 41.8 M69
- 12019 MOURSI, H. The effect of oestrogens, androgens and progestational compounds on some bacteria in vitro. *Zentralbl. Veterinarmed.* Reihe B, 13(4):398-412, Ref. Aug.1966, 41.8 Z52
- 12020 NADÉAU, J. D. Importance in controlling animal diseases for efficiency in production. (Fr) *Can. Vet. J.* 7(7):142-147, Ref. July 1966, 41.8 R3224
English summary.
- 12021 PALOHEIMO, L. Some remarks on the digestion trials. *World Rev. Anim. Prod.* 2:86-91, Apr./June 1966, 49 W89
- 12022 PARRY, H. B. Certain biological situations in the animal and plant kingdoms possibly relevant to scrapie. *U. S. Agr. Res. Serv. ARS 91-53:300-303.* 1964, pub.1966, A41.9 R315Ar
Transmission.
Includes discussion.

- 12023 PEACOCK, P. R. Anatomy, histology and electron microscopy of the lungs of animals used for cancer research. *Int. Conf. Cancer. Proc.*, 3d Conf., 1-14, 1965, pub. 1966, SF605.15
- 12024 PETZOLDT, K., and BOHM, K. H. Determination of keratin utilizing dermatophytes in animal runs. (Ge) *Arch. Exp. Veterinarmed.* 20 (2):383-390, Ref. Apr. 1966, 41.8 Ex7
- 12025 PLANES DE BANCHERO, E., GRAS GOYENA, J., and CERCOS, A. P. Actividad de Actinomyces sobre virus de la fiebre aftosa, determinada mediante un nuevo metodo [Activity of Actinomyces on the virus of foot-and-mouth disease, determined by means of a new method]. *Rev. Invest. Agropecuaria. Ser. 4, Patol. Anim.* 2(14):199-205, Ref. 1965, 41.8 R3227 English summary.
- 12026 PRAKHOV, R. A new vaginoscopy and rectoscopy method for female farm animals. (Bu) *Vet. Med. Nauk.* 2(10):1037-1041, 1965, 41.8 V6465 English summary.
- 12027 RADULOVA, S., and TOPALOVA, E. On the production of 4,4'-diaminodiphenylsulphone and its derivatives. (Bu) *Vet. Med. Nauk.* 2(9):873-877, 1965, 41.8 V6488 English summary.
- 12028 REHM, W. F., and WEBER, J. P. Determination of the therapeutic residence time in the organism (twv) of sulfonamides in veterinary medicine. (Ge) *Wien. Tierarztl. Monatsschr.* 53(8):499-515, Ref. Aug. 1966, 41.8 T345 English summary.
- 12029 REUBER, H. W. Veterinary arsenicals. *Iowa State Univ. Vet.* 28(1):13-18, Ref. 1966, 41.8 V6425 Includes toxicity and administration.
- 12030 RIIS, P. M. Technique and methods in modern nutrition: physiological and biochemical research. (Da) *Nord. Jordbrugsforsk.* 47(4):245-253, Ref. 1965, 11 N752
- 12031 ROCA TORRAS, J. The present status of preventive and curative veterinary therapeutics. (Sp) *Col. Ofic. Vet. Prov. Barcelona. An.* 22 (250):215-222, Apr. 1965, 41.9 C67
- 12032 ROEVER-BONNET, H. DE. Virulence of Toxoplasma. *Trop. Geogr. Med.* 18(2):143-146, Ref. June 1966, 44.8 D65 Includes livestock.
- 12033 ROMANIUK, J. The influence of some factors on growth intensity and viability of Trichomonas fetus culture. (Pol) *Pol. Arch. Weter.* 9 (1):39-54, Ref. 1965, 41.8 P76 English summary.
- 12034 ROUSSEAU, J. P. Recording of single unit activity of afferent vagal fibres in the small ruminants; test with microelectrodes at the level of the nodose ganglion. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(4):527-533, Ref. 1965, 44.8 An75 English summary.
- 12035 SALCEDO, G. O. Epidemiological factors favoring hydatidosis in the Sierra of Peru. (Sp) *Ofic. Sanit. Panamer. Bol.* 60(2):144-153, map, Ref. Feb. 1966, 44.9 P192B English summary.
- 12036 SAURAT, P., and CHANTAL, J. The immunofluorescence, I. Its principle and accomplishment. (Fr) *Rev. Med. Vet. [Toulouse]* 29(3):217-230, Mar. 1966, 41.8 R32 English summary.
- 12037 SAVOV, N. Testing certain diagnostic methods for vibriosis; first communication—vital coloration of the vibrios. (Bu) *Vet. Med. Nauk.* 2(10):933-936, 1965, 41.8 V6468 English summary.
- 12038 SCHIEFER, B. Adenomatosis and epithelial transformation in the lungs of animals with special reference to jaagsiekte. *Int. Conf. Cancer. Proc.*, 3d Conf.:301-310, Ref. 1965, pub. 1966, SF605.15 Includes discussion, p.311-314.
- 12039 SCHOLE, J. Theorie der Stoffwechselregulation unter besonderer Berücksichtigung der regulation des Wachstums [Theory of the regulation of metabolism with special reference to regulation of growth]. *Zentralbl. Veterinar-med. Beih.* 5,87 p., Ref. 1966, 41.8 Z5 English summary.
- 12040 SCRAPIE SEMINAR, WASHINGTON, D. C., 1964. Report. U. S. Agr. Res. Serv. ARS 91-53,278 p., map, Ref. 1964, pub. 1966, A41.9 R315Ar Sponsored by Animal Disease Eradication Division, Agricultural Research Service. Includes introduction and purpose of meeting by E. R. Goode and R. J. Anderson; also includes discussions of papers.
- 12041 SERGEEV, V. A. Razmnozhenie virusov zhi-votnykh v kul'ture tkani [Reproduction of animal viruses in tissue culture]. *Moskva, Kolos*, 1966, 311 p., Ref. QR360.S4
- 12042 SEVERI, L. Lung tumours in animals. *Int. Conf. Cancer. Proc.*, 3d Conf.:941-947, 1965, pub. 1966, SF605.15
- 12043 SHAKALOV, K. I., and others. Chastnaya knizhnytsya s oftalmologii i ortopedii [Particular surgery with ophthalmology and orthopedy]. *Leningrad, Kolos*, 1966, 379 p. SF911.C45 G. S. Kyznetsov, I. E. Povazhenko, I. D. Medvedev, and V. A. Nikanorov, joint authors.
- 12044 SHALASH, M. R., MURSI, H., and SHARAF, A. The effect of various hormones on Corynebacterium pyogenes. (Bu) *Vet. Med. Nauk.* 3(3):233-237, 1966, 41.8 V6466 English summary.
- 12045 SILVERMAN, P. H. A concept of host-parasite immunologic relationships. *Biol. Colloq. [Proc.]*, 28th Ann. Colloq.:117-126, Ref. 1965, pub. 1966, 44.2 B524 Livestock.
- 12046 SINDACATO ITALIANO VETERINARI IGIENTI-TI. The fourth congress of the S.I.V.I. (It) *Nuovo Prog. Vet.* 21(9):408,411-414,416, May 15, 1966, 41.8 P942
- 12047 SKALKÁ, B. Growth properties of Mycoplasma (PLO) strains in liquid media. I-II. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada. Spisy Fak. Vet.* 2:1113-136, Ref. 1966, 105.92 B833 English summary.
- 12048 SKODA, R., and GRUNERT, Z. Epizootiology of Aujeszky's disease in Czechoslovakia. 2. (Ge) *Arch. Exp. Veterinarmed.* 20(2):427-434, Ref. Apr. 1966, 41.8 Ex7
- 12049 SMOLLICH, A. The orthology and morphokinetics of the adrenal medulla. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(5):444-466, Ref. July 1966, 41.8 Z5 English summary.
- 12050 STANKUSHEV, KH. Fungi of the genus Fusarium in barley and oats, stored as feed. (Bu) *Vet. Med. Nauk.* 2(10):989-995, Ref. 1965, 41.8 V6468 English summary.
- 12051 STEBBINGS, M. E., and GRAY, D. E. An annotated bibliography of surveys of the incidence of diseases of farm animals and birds in Great Britain, supplement for 1962-1965. I. Surveys covering several species, and cattle. *Brit. Vet. J.* 122(8):348-353, Aug. 1966, 41.8 V643
- 12052 STEWART, H. I. Comparison of histologic lung cancer types in captive wild mammals and birds and laboratory and domestic animals. *Int. Conf. Cancer. Proc.*, 3d Conf.:25-58, Ref. p.54-58, 1965, pub. 1966, SF605.15
- 12053 STICHTING GEZONDHEIDSDIENST VOOR DIEREN IN ZUID-HOLLAND. Negentiende jaarverslag [Nineteenth annual report of the Livestock Health Board in south Holland], 1964-1965, n.p., 1965, 77 p. 41.9 H71
- 12054 STOICHEV, S., and NEDYALKOV, S., and RIBAROV, B. Adsorbate vaccine against Aujeszky's disease. (Bu) *Vet. Med. Nauk.* 2(9):861-866, 1965, 41.8 V6468 English summary.

- 12055 STOILOVA, N. Comparative studies on the titration methods for testing the immunogenic properties of a vaccine against enterotoxaemia, types C and D, (Bu) Vet. Med. Nauk. 2(9):845-848, 1965, 41.8 V6468
English summary.
Tested on guinea pigs, rabbits and sheep.
- 12056 SYMPOSIUM ON DISEASE AND ANIMAL PRODUCTION. [Papers presented]. New Zeal. Soc. Anim. Prod. Proc., 26th Annu. Conf.:123-188, Ref. 1966, 49.9 N483
Introduction, by M. C. Lancaster.
- 12057 TODOROV, T., KARAIVANOV, L., and KOLEVA-TODOROVA, P. Deaminase activity of Brucella, (Bu) Vet. Med. Nauk. 3(2):141-148, Ref. 1966, 41.8 V6468
English summary.
- 12058 TODOROV, T., and KARAIVANOV, L. On the quantitative determination of urease activity of Brucella, (Bu) Vet. Med. Nauk. 3(3):239-245, Ref. 1966, 41.8 V6468
English summary.
- 12059 TODOROV, T., and others. Transaminases in Brucella, (Bu) Vet. Med. Nauk. 2(10):919-926, 1965, 41.8 V6468
L. Karaivanov, K. Mermerski, I. Nikolov, and TS. Valerianov, joint authors.
English summary.
- 12060 U. S. AGRICULTURAL RESEARCH SERV. Use chemicals safely in the production of beef cattle, swine, sheep, U. S. D. A. PA-7274, p. June 1966, 1 Ag84Pro
- 12061 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. A guide to the duties and responsibilities of accredited veterinarians. U. S. Agr. Res. Serv. ARS 91-6-4, 31 p. July 1966, A41.9 R315AR
- 12062 VELLIE, W. The veterinary medical periodicals in Scandinavia today and tomorrow. (No) Svensk Veterinartidn. 18(18):531-535, Sept. 1966, 41.9 Sv23
- 12063 VERPOORTE, J. A., JOUBERT, F. J., and JANSEN, B. C. Studies on the soluble antigen and haemolysin of Clostridium chauvoei strain 64. S. Afr. J. Agr. Sci. 9(1):153-172, Ref. Mar. 1966, 24 Su3
- 12064 WACHNIK, Z. Studies on the state of health of animals pastured on grounds irrigated with sewage waters with reference to various periods. IV. Results of studies in 1963-64. (Pol) Wrocław, Wyższa Szkoła Roln. Zeszyty Nauk, Weter. 19:109-129, Ref. 1966, 41.9 B753
English summary.
- 12065 WERDELIN, C. The foot-and-mouth disease epizooty in Denmark in the spring 1966. (Da) Danske Dyrlægefor. Medlemsbl. 49(199):814-820, Oct. 1, 1966, 41.9 D23
- 12066 WHITE, J. B. Developments in protective veterinary medicine. Roy. Agr. Soc. Engl. J. 126: 53-60, 1965, 10 R81
- 12067 WIERTZ-HOESSELS, E. L. M. J. Some considerations about the development of cyclopia. (Du) Tijdschr. Diergeneesk. 91(17):1083-1090, Sept. 1, 1966, 41.8 T431
English summary.
- 12068 ZLOTNIK, I. The pathology of scrapie. U. S. Agr. Res. Serv. ARS 91-53:213-224, Ref. 1964, pub. 1966, A41.9 R315AR
In livestock and laboratory animals.
Includes discussion.
- MISCELLANEOUS
- 12069 BARTOS, L. The history of the establishment and the development of the existing slaughterhouses in Budapest. I. (Hu) Husipar 15(4):173-177, July/Aug. 1966, 50.8 H95
English summary.
- 12070 CANADIAN NATIONAL LIVE STOCK RECORD BOARD. The sixty-first annual meeting. Toronto, 1966, 10 p. 49.9 C163M
- 12071 CORBIN, J. E. Controlled exercise. In Gay, W. I., ed. Methods of animal experiment, v.2, p.451-479, Ref. 1965, 448 G253
- 12072 DENMARK. LANDOKONOMISKE FORSGSLABORATORIUM. Arbog. efterarsmode [Yearbook, fall meeting of the Agricultural Economic Research Laboratory]. 1965. Kobenhavn, 1965, 485 p. Ref. 48.9 D41
Livestock research.
- 12073 HERMAN, W. 15 years activity of the Zootechnics Department of Agricultural University [Szkoła Główna Gospodarstwa Wiejskiego, Wydział Zootechniczny] in Warsaw. (Pol) Roczn. Nauk Roln. 87-B-4:445-462, 1966, 20.5 R59
- 12074 HOCK, R. J. The care and use of hibernating mammals. In Gay, W. I., ed. Methods of animal experimentation, v.2, p.273-331, 1965, 448 G253
Bibliography p.323-331.
- 12075 HODGSON, R. E. Organization and program of the Animal Husbandry Research Division, Agricultural Research Service, United States Department of Agriculture. World Rev. Anim. Prod. 2:13-23, map. Apr./June 1966, 49 W89
- 12076 HUTCHISON, J. E. Use of scientific knowledge in ranch management. Sheep Goat Raiser 47(2):16, 18, Nov. 1966, 45.8 Sh3
Livestock.
- 12077 KEREKES, GY. Evaluation method for animal husbandry branches. (Hu) Magyar Mezőgazdaság 21(39):17-18, Sept. 28, 1966, 19 M27
- 12078 LES PRODUCTIONS animales: comment maltriser leur technique? comment améliorer leur commercialisation? [Animal production: how to master its technique? how to improve marketing?]. Agr. Creusoise 14, 104 p. 1965, 14 Ag827
Livestock raising and marketing, and livestock product marketing.
- 12079 MEHES, GY., and MAKÓ, I. Reconstruction of slaughterhouses; labour and plant hygiene. III. (Hu) Husipar 15(4):157-162, Ref. July/Aug. 1966, 50.8 H95
English summary.
- 12080 METZ-GUNDENSBERG, R. What does the farm expect from control assistants? (Ge) Unser Milchvieh 18(7):5-7, July 1966, 43.8 Un7
Livestock advisory services.
- 12081 MPALOMENOS, P. Construction of modern slaughterhouses. (Gre) Delt. Agrotikes Trapezes 147:13-16, Nov./Dec. 1965, 21.7 D38
- 12082 MUNOZ GARCES, C. Saint Francis of Assisi and the methods of slaughtering our animals. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22 (256):583-587, Oct. 1965, 41.9 C67
- 12083 NEW ZEALAND SOCIETY OF ANIMAL PRODUCTION. Proceedings, volume 26: twenty-sixth annual conference Ruakura Agricultural Research Centre, Hamilton, February 1-3, 1966. Wellington, 1966, 151 p. Ref. 49.9 N483
- 12084 NORDISKE JORDBRUGSFORSKERES FORENING. Husdyrseksjonsmøtet i Bohusgarden, pr. Uddevalla 23.-25. May 1965 [Meeting of the Livestock Section at Bohusgarden, near Uddevalla, May 23-25, 1965]. Nord. Jordbrugsforsk. 47(4):229-371, Ref. 1965, 11 N752
Papers presented.
- 12085 REINHARD, C. Legislative bill to further agricultural improvement. (Ge) Tierzuechter 18(19):659-660, Oct. 5, 1966, 49 T445
Livestock production.
- 12086 ROYAL AGRICULTURAL SOCIETY OF NEW ZEALAND. Reports of meeting of Council of Royal Show Horse and Main Ring Stewards, annual conference of United Breed Societies' Association, council meeting, annual meeting, and annual conference of A. & P. associations, breed societies and council members, held in Wellington, on June 28th, 29th and 30th, 1966. Roy. Agr. Soc. New Zeal. Gaz. 103, 28 p. Aug. 1966, 23 R813G
- 12087 SAMVIRKENDE SJAELANDSKE HUSMANDSFORENINGER. HUSDYRBRUGSDYVALGET. Beretning om husdyrbrugsarbejdet [Report on animal husbandry], by H. Møller Andreassen, 1965. Slagelse, 1966, various paging, map, 49.9 Sa4
- CATTLE
- Breeds and Breeding
- 12088 ARMSTRONG, D. Beef breed societies—A.I. regulations. Milk Board J. 17(8):21, 23, Aug. 1966, 44.8 M5934

- 12089 ARMSTRONG, J. B. Heavier calves in view if you're set for the breeding season. Live-stock Breeder J. 9(11):18. Nov. 1966. 49 L758 Includes purchasing of the bull.
- 12090 BAKER, H. K. The performance and progeny testing of beef bulls. Roy. Agr. Soc. Engl. J. 126:7-20. 1965. 10 R81
- 12091 BERGER, J. Building an efficient breeding program. Tex. Livestock J. 25(10):7,26. Oct. 15, 1966. 49 T29 Cattle.
- 12092 BHATTACHARYA, B. C., and others. An attempt to predetermine the sex of calves by artificial insemination with spermatozoa separated by sedimentation. Nature [London] 211 (5051):863. Aug. 20, 1966. 472 N21 A. D. Bangham, R. J. Cro, R. D. Keynes, and L. E. A. Rowson, joint authors.
- 12093 BIELINSKA, K., and others. The influence of castration of the Black Spotted Lowland breed bullock upon their fattening and slaughtering value at the live weight of 250 kgs. (Pol) Roczn. Nauk Roln. 86-B-1:91-101. Ref. 1965. 20.5 R59 K. Bielinski, K. Borzuta, and H. Gozdz, joint authors. English summary.
- 12094 BRANDT, H. On the yellow color of cattle fat. (Ge) Tierzuechter 18(14):504-505. July 20, 1966. 49 T445 Study on the effect of breeding and feeding.
- 12095 BRANNANG, E. Studier over rasens och kastreringens inflytande pa foderforbrukning, tillvaxt och slaktegenskaper vid vaxlande stal-fodring och betesgang. Studies on the influence of breed and castration on feed consumption, growth and carcass quality with alternate stall and pasture feeding. Uppsala. Lantbrukshogsk. Medd. Ser. A, 52,23 p. 1966. 11 Up82 English summary.
- 12096 BROOKES, A. J., and O'BYRNE, M. The use of cow-heifers in beef production. Roy. Agr. Soc. Engl. J. 126:30-44. 1965. 10 R81
- 12097 BROWN SWISS CATTLE BREEDERS' ASSOCIATION. Annual report for year ending June 30th, 1966. Beloit, Wisconsin, 1966. 20 p. 43.9 B81A
- 12098 CZAUDERNA, A. Care in breeding and control of sterility in cattle raised especially for breeding. (Pol) Med. Weter. 22(4):227-230. Apr. 1966. 41.8 M463
- 12099 DETKENS, S. Duration of use and causes of culling of bulls in some voyvodships of central and western Poland. Roczn. Nauk Roln. 87-B-2: 175-190. Ref. 1965. 20.5 R59
- 12100 DE VUYST, A., and HENRIET, L. Observations on the head of bull's spermatozoa. (Fr) Zootechnia 14(4):105-111. Oct./Dec. 1965. 41.8 Z73
- 12101 DOHY, J., and LUDROVSKY, F. Study on the relation between relative milk production and feed utilization in progeny groups of Red Danish cattle. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Közleményei 25(3/4): 309-314. Ref. 1966. 19 B355 German summary.
- 12102 DOLA, L. Alleles B system in the White-Black cattle from district of Krakow. (Pol) Acta Agr. Silvestria. Ser. Zootech. 5:3-12. Ref. 1965. 49 Ac8 English summary.
- 12103 EIBL, K. Organization and technique of artificial insemination; cattle. (Ge) Tierzuechter 18 (20):698-699. Oct. 20, 1966. 49 T445
- 12104 FERCEJ, J. Results of the cattle breeding. (Sl) Soc. Kmetijstvo Gozdarstvo 16(18):449-451. Dec. 1965. 21.5 S014
- 12105 FEWSON, D., and others. A contribution to the planning of crossings in purebred populations with special reference to the mating of animals of the Swiss Brown and Württemberg breeds. (Ge) World Rev. Anim. Prod. 2:106-112. Apr./June 1966. 49 W89 A. Ott, M. Fender, F. Werkmeister, and A. Rittler, joint authors. English summary.
- 12106 FISCHER, H. Short-tailed Murrah buffaloes. Zentralbl. Veterinarmed. Reihe A, 13(4):352-355. Ref. June 1966. 41.8 Z5
- 12107 GROTHE, P. Semen of the best bulls are available at the central semen depot. (Ge) Unser Milchvieh 18(7):2. July 1966. 43.8 Un7
- 12108 HANKIEWICZ, J., and others. The activity of sorbit dehydrogenase and transaminases (GOT and GPT) in bull ejaculate. (Ge) Enzymologia 28(2):100-108. Ref. Dec. 31, 1964. 390.08 En9 K. Hankiewicz, S. Hanus, and J. Szafarski, joint authors. English summary.
- 12109 HARLING, B. Ursachen der gehäuft auftretenden Fruchtbarkeitsstörungen in Rinderherden unter besonderer Berücksichtigung der Milch-futteranalyse [Causes of frequently occurring fertility disturbances in cattle herds with special emphasis on mixed feed analysis]. Hannover. Tierarztl. Hochschule. Inaug.-Diss. 23,83 p. 1965. 41.2 H198 Bibliography, p.77-83.
- 12110 HOARD'S DAIRYMAN ROUND TABLE. Which bull will I use in A.I.? Hoard's Dairyman 111 (21):1292-1293, 1299. Nov. 10, 1966. 44.8 H65
- 12111 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book. Vol. 189 from December 15, 1965 to February 15, 1966. Brattleboro, Vermont, 1966. unpag. 43.9 H74
- 12112 HORN, A., and others. Comparative fattening experiment of R₁ and F₁ young bulls belonging to the "dairy Hungarian Spotted" and "dairy Hungarian Brown" crossbreeding construction and of Hungarian Spotted young bulls. (Hu) Kiserletugyi Közlemények 58/B(3):3-15. 1965. pub. 1966. 105.9 H89 S. Bozo, J. Dohy, and A. Dunay, joint authors. English summary.
- 12113 ISHAQ, S. M. An economic study of the influence of delayed breeding on milk production and cost in buffaloes compared to Dajal, Dhan-ni and Sahiwal cows. West Pakistan Dir. Live-stock Farms. Bull. 4,23 p. 1965. SF1.W4
- 12114 JASKOWSKI, L., and KORYCKI, S. Investigations on the freezing of bull semen. II. The influence of the cooling velocity on the quality of the semen after thawing. (Pol) Pol. Arch. Weter. 8(4):571-589. Ref. 1965. 41.8 P76 English summary.
- 12115 KALEV, G., and others. Investigations into the evaluation of stored semen. (Bu) Vet. Med. Nauk. 3(3):303-310. Ref. 1966. 41.8 V6468 P. Marinov, M. Sertev, and D. Raichev, joint authors. English summary. From bulls.
- 12116 KHADJENOURI, A. G., HASSANEYN, A., and SAKHAWAT, M. B. Comparative study of a number of characteristics of Holstein cattle and Brown-Swiss/Arabi crossbreeds. (Pe) Tehran. Univ. Agr. Coll. Bull. 80,27 p. 1966. 22.5 T232 English summary.
- 12117 KIERMEIER, F. Influencing protein content of milk by breeding. (Ge) Tierzuechter 18(13): 448-450. July 5, 1966. 49 T445
- 12118 KORYCKI, S. The influence of temperature on fructose and oxygen consumption by bull spermatozoa. (Pol) Roczn. Nauk Roln. 85-B-2:197-203. Ref. 1965. 20.5 R59 English summary.
- 12119 KYPARENKO, M. M., LEMISHKO, O. M., and VLASOVA, T. I. Histological texture of muscles and chemical composition of flesh in Black Pied Lowland young bulls depending on feeding. (Uk) Visnyk Sil'skohospodar. Nauk. 7:90-99. July 1965. 20 V82 Russian summary.
- 12120 LAPPA, H. Investigations on the improvement of meat utility of young cattle of the Black Pied Lowland breed crossed with beef Aberdeen Angus breed. (Pol) Roczn. Nauk Roln. 86-B-3: 427-458. Ref. 1965. 20.5 R59 English summary.

- 12121 LASZCZKA, A. Effect of forced exercise on the wear and the shape of bull claws. (Pol) *Rocz. Nauk Roln.* 87-B-1:47-72. Ref. 1965. 20.5 R59
English summary.
- 12122 LATALA, J. Viability and fertility of the bull semen diluted in IVTK diluent [Ililni variable temperature diluent with catalase] and in milk-egg yolk-glycerol diluent. (Pol) *Pol. Arch. Weter.* 9(1):79-97. Ref. 1965. 41.8 P76
English summary.
- 12123 LAUVERGNE, J. J. Genetique de la couleur du pelage des bovins domestiques (Bos taurus, Linne) [Genetics of coat colors of the domestic cattle (Bos taurus, L.)]. *Bibliogr. Genet.* 20(1), 68 p. 1966. 442 B47
English summary.
Review of the literature.
- 12124 LEONHARD, I., and RONIKIER-DOLANSKI, S. The influence of calcium and phosphorus intake in fodder upon the content of these components in milk of cows of the Polish Red breed. (Pol) *Rocz. Nauk Roln.* 86-B-1:79-89. Ref. 1965. 20.5 R59
English summary.
- 12125 MAIJALA, K., and LINDSTROM, G. Finnish experiences of parentage testing of cattle by blood typing. *Ann. Agr. Fenn.* 5(2):71-75. Ref. 1966. 20 An7
- 12126 MAIJALA, K., and LINDSTROM, G. Frequencies of blood group genes and factors in the Finnish cattle breeds with special regard to breed comparisons. *Ann. Agr. Fenn.* 5(2):76-93. Ref. 1966. 20 An7
Finnish Ayrshire and Finnish.
- 12127 MAIJALA, K. Observations on the planning of artificial insemination of cattle. (Sw) *Nord. Jordbrugsforsk.* 47(4):309-310. 1965. 11 N752
- 12128 MAIJALA, K. On the possibility of predicting the success of a bull's daughters from his blood type. *Ann. Agr. Fenn.* 5(2):65-70. Ref. 1966. 20 An7
- 12129 MAJESKIE, L. Increase the value of your surplus heifers. *Hoards Dairyman* 111(20):1219-1230. Oct. 25, 1966. 44.8 H65
Grading Holstein-Friesian for sale.
- 12130 MARCUSSEN, N. R. Why is the bull superior to the ox? (Ge) *Tierzucht* 18(14):505-506. July 20, 1966. 49 T445
- 12131 MARINOV, P., BALCHEV, M., and ZAGORSKI, D. Studies on the microflora in the prepuce and semen of bulls. (Bu) *Vet. Med. Nauk.* 3 (2):177-184. Ref. 1966. 41.8 V6468
English summary.
- 12132 MITTHUJ, G. F., and SHUKLA, P. C. Hematological studies in Kankrej cattle. *Indian Vet. J.* 43(7):605-612. July 1966. 41.8 In2
- 12133 MOLINARI, G. Observations on cesarean section in cattle of the Piedmont breed with particular regard to the fertility and the morphogenotypic character of so-called "double-haunch" calves. (It) *Nuovo Prog. Vet.* 21(9):441-442, 444, 446. Ref. May 15, 1966. 41.8 P942
French summary.
- 12134 MONOYENKOV, M. I. Potential of Yaroslavl cattle. (Rus) *Zhivotnovodstvo* 8:63-68. Aug. 1966. 49 Z6
- 12135 NOWAK, M. Physiographic and zoometrical studies on cattle of Lowland Black and White breed on the area of river Odra overflow. (Pol) *Rocz. Nauk Roln.* 87-B-1:1-30, map. Ref. 1965. 20.5 R59
English summary.
- 12136 OLDS, O., and others. Sources of variance affecting dairy herd fertility and delayed returns to service. *J. Dairy Sci.* 49(8):1004-1005. Aug. 1966. 44.8 J822
L. D. Colvin, T. Cooper, and O. W. Deaton, joint authors.
- 12137 ORLOV, E. N. Results of using bulls from the experiment farm "Gorki Leninskie" and their descendants on farms in the Russian Soviet Federated Socialist Republic. (Rus) *Zhivotnovodstvo* 8:78-84. Aug. 1966. 49 Z6
Dairy cattle.
- 12138 OSETROV, A. A., and others. Tissue preparations in control of sterility in cows. (Uk) *Visnyk Sil'skohospodar. Nauk.* 7:103-106. July 1965. 20 V82
K. I. Zhadovets', K. Bashlyi, V. S. Hontarenko, V. P. Pluhatyrov, and V. N. Lytvynenko, joint authors.
- 12139 PARDO, C. E., STANCATTI, J. C., and SALVO, H. D. Artificial insemination of 450 cows-extraction of semen by electroejaculation. (Sp) *Zootec. Vet.* 20(11/12):269-273. Nov./Dec. 1965. 41.8 Z7
- 12140 PELEGE, B. A., and IANCONESCU, M. Sperm-agglutination and spermasorption due to myxoviruses. *Nature [London]* 211(5054):1211-1212. Sept. 10, 1966. 472 N21
Observed chiefly in bull and rooster semen.
- 12141 PERSHINA, Z. N. Present state and the possibilities for improvement of Istoben cattle breed. (Rus) *Zhivotnovodstvo* 8:73-78. Aug. 1966. 49 Z6
- 12142 PETKOV, K., and DZHUROVA, I. Research into the dynamics of insemination at cow farms affected with vibriosis. (Bu) *Vet. Med. Nauk.* 3(1):73-78. Ref. 1966. 41.8 V6468
English summary.
- 12143 PITTS, W. J., and others. Effect of zinc deficiency and restricted feeding from two to five months of age on reproduction in Holstein bulls. *J. Dairy Sci.* 49(8):995-1000. Ref. Aug. 1966. 44.8 J822
W. J. Miller, O. T. Fosgate, J. D. Morton, and C. M. Clifton, joint authors.
- 12144 RATHORE, A. K. A note on instantaneous deep freezing (-79°C) of bull (Hariana) semen. *Indian Vet. J.* 43(7):621-622. July 1966. 41.8 In2
- 12145 REICHEN, F. Beef production by industrial crossing. (Fr) *Agr. Romande (ser. A)* 5(7/8):73-76. July/Aug. 1966. 17 Ag8
- 12146 REMSBERG, J. H. History and development of Holstein cattle in Frederick County, Maryland, 1922-1964. Middletown, Frederick County Holstein Association, 1965. 231 p. SF199.H75R4
- 12147 RENDEL, J. Methods for the evaluation of heritability using twin data. (Sw) *Nord. Jordbrugsforsk.* 47(4):367-369. 1965. 11 N752
Cattle milk yield.
- 12148 RICHTER, K., CRANZ, K. L., and SCHMIDT, K. H. Fattening trials with young females of German Black Pied cattle. 5. Studies on daily gain, food conversion and carcass value. (Ge) *Zuchtungskunde* 38(7):311-318. Aug./Sept. 1966. 49 Z8
English summary.
- 12149 ROTA, E., and VALPREDA, M. The relationship between sexual activity of the cows and urinary excretion of 5-hydroxyindoleacetic acid (5-HIAA), the major metabolite of 5-HT (serotonin). (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:119-148. Ref. 1964. 41.9 T843
English summary.
- 12150 SADOWSKI, Z. Attempts to determine reproductive capability of bull testes by means of biometric methods. (Pol) *Pol. Arch. Weter.* 9(2):373-387. Ref. 1965. 41.8 P76
English summary.
- 12151 SANTA GERTRUDIS BREEDERS INTERNATIONAL. Recorded herds, volume three, 1966. Kingsville, Texas, 1966. 142 p. 43.9 Sa5
- 12152 SAWICKA, J. Correlation between fat and protein contents in the milk of cows. (Pol) *Acta Agr. Silvestria, Ser. Zootech.* 5:13-30. Ref. 1965. 49 Ac8
English summary.
Of Polish Red and Polish Black Pied.
- 12153 SCHIMMELPFENNIG, P. Problems of cattle breeding in European and German area. (Ge) *Unser Milchvieh* 18(7):11-12. (Concl.) July 1966. 43.8 Un7
- 12154 SHCHETNOV, M. Y. Comparative evaluation of reproductive ability of bulls. (Uk) *Visnyk Sil'skohospodar. Nauk.* 7:80-83. July 1965. 20 V82
Russian summary.

- 12155 SINGH, R. P. A study on the breeding efficiency of buffaloes maintained at military farms, Indian Vet. J. 43(7):623-628. Ref. July 1966, 41.8 In2
- 12156 SMITH, G. F. Artificial insemination: once the seed was sown. *Veterinarian* [Oxford] 4(1):57-63. June 1966, 41.8 V6467
Cattle, in Great Britain.
- 12157 STANDAL, N. Accidental errors in heritability estimates elucidated by simulation experiments. (No) Nord. Jordbrugsforsk. 47(4):328-329. 1965, 11 N752
Cattle.
- 12158 SUPE, D. Milk and fat production capacities of the Busa cattle breed. (Se) Stocarstvo 20 (3/4):107-114. Ref. Mar./Apr. 1966, 43.8 St6
English summary.
- 12159 SYRSTAD, O. Genetic improvement for various breeds. (No) Nord. Jordbrugsforsk. 47(4):296-299. 1965, 11 N752
Dairy cattle.
- 12160 TELLO, M. P. The wild bull in mythology and history. (Por) Gaz. Agr. [Lourenço Marques] 16(202):79-84. (Cont.) Mar. 1966, 24 G25
- 12161 THORSSON, S., and LARSSON, O. Progeny testing of artificial insemination bulls. (Sw) Malmohus Lans Hushallningssallsk. Kvartalskr. 4:354-360, 1965, 11 M29
- 12162 TOUREILLES, J. F. Clinical study: about vasectomy on bull. (Fr) Rev. Med. Vet. [Toulouse] 29(3):213-215. Mar. 1966, 41.8 R32
English summary.
- 12163 TUCKER, W. E. A case report of cutaneous streptothricosis in a Florida bull. *Pract. Vet.* 38(5):143-145. Sept./Oct. 1966, 41.8 AL5
- 12164 VAN VLECK, D. Cost of using beef bulls. *Hoard's Dairyman* 111(20):1250. Oct. 25, 1966, 44.8 H65
- 12165 VAN VLECK, D. The facts about daughter-dam herdmate comparisons. *Hoard's Dairyman* 111(20):1252-1253. Oct. 25, 1966, 44.8 H65
- 12166 VAN VLECK, L. D. Here's how to compute dairy animal relationships by the tabular method. *Dairy Herd Manage.* 2(10):40, 42-43. Nov. 1966, SF191.D3
Genetics.
- 12167 VARANKIN, V. F. Valuable herd of Gorbator Red cattle. (Rus) Zhivotnovodstvo 8:68-72. Aug. 1966, 49 Z6
- 12168 VARO, M. Genetic improvement in various livestock associations. (Sw) Nord. Jordbrugsforsk. 47(4):304-305. 1965, 11 N752
Artificial insemination bulls.
- 12169 VESTH, B. Investigation of milkability at Danish progeny testing stations. (Da) Nord. Jordbrugsforsk. 47(4):342-343. 1965, 11 N752
Dairy cattle breeding.
- 12170 WANDER, J. F. Ways of maintaining fattening bulls and their housing requirements. (Ge) *Bauen Lande* 17(8):208-209. Aug. 1966, 296.8 Ar1
- 12171 WIERBOWSKI, S., BRANNY, J., and BIELANSKI, W. The technology of preparing bull semen for storage at low temperatures. III. The insemination of cows with semen kept in liquid nitrogen. (Pol) *Med. Weter.* 22(6):345-348. Ref. June 1966, 41.8 M463
- 12172 WIERZBOWSKI, S., and JANASZ, M. Effect of visual stimuli on sexual excitement in bulls. (Pol) *Rocz. Nauk Roln.* 86-B-1:53-61. Ref. 1965, 20.5 R59
English summary.
- 12173 WILCOX, C. J., and others. Life span and livability of crossbred dairy cattle. *J. Dairy Sci.* 49(8):991-994. Ref. Aug. 1966, 44.8 J822
J. A. Curi, J. Roman, A. H. Spurlock, and R. B. Becker, joint authors.
- 12174 ZALEWSKI, W. Investigations on fattening and slaughtering value of bullocks of the Polish Red, Black Pied Lowland and the crosses of these breeds in their different weight classes before slaughtering. II. (Pol) *Rocz. Nauk Roln.* 85-B-3:323-350. Ref. 1965, 20.5 R59
English summary.
- 12175 ZALEWSKI, W. Investigations on fattening and slaughtering value of bullocks of the Polish Red, Polish Black and White and the crosses of these breeds in their different final weights. I. (Pol) *Rocz. Nauk Roln.* 85-B-2:211-233. Ref. 1965, 20.5 R59
English summary.
- 12176 ZHARIKOV, I. E. 4484 kg. of milk with 4.29% of butterfat average from 324 cows. (Rus) Zhivotnovodstvo 8:55-63. Aug. 1966, 49 Z6
Breeding of Yaroslavl cattle.

Feeds and Feeding

- 12177 ACKERS, K. D. Dairy details. *Agr. Situation* [Washington] 50(8):15. Aug. 1966, 1 Ec7Ag
Chiefly feeding.
- 12178 ADDANKI, S., HIBBS, J. W., and CONRAD, H. R. High-roughage system for raising calves based on the early development of rumen function. XI-XII. *J. Dairy Sci.* 49(8):976-985. Ref. Aug. 1966, 44.8 J822
- 12179 ANDERSEN, P. E., and LYKKEAA, J. Animal versus vegetable fat in sweet milk substitutes. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):425-429, 49.9 D41
For fattening of calves.
- 12180 ANDERSEN, P. E., SORENSEN, M., and JOHANSEN, H. Beet top silage versus concentrated feed. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):356-361, 49.9 D41
Dairy cattle feeding.
- 12181 ANDERSEN, F. E., and JENSEN, J. M. Fatty acid content of feed and tallow in veal calf production. (Da) Nord. Jordbrugsforsk. 47(4):349. 1965, 11 N752
- 12182 ANTHONY, W. B., and STARLING, J. G. Ryeclover pasture for growing slaughter cattle. *Highlights Agr. Res.* [Ala. Sta.] 13(3):7. Fall 1966, 100 AL1H
- 12183 ANTONOVA, V. Change of the amino acid content in cheese depending on cow feeding rations. (Rus) *Moloch. Prom.* 9:8-12. Ref. Sept. 1966, 44.8 M734
- 12184 BEACOM, S. E. Good winter gains on steer calves can mean more money next fall. *Can. Cattlemen* 29(11):14, 21. Nov. 1966, 49 C16
- 12185 BEACOM, S. E. Grinding roughage for beef cattle; steers can finish on high-roughage rations. *Can. Cattlemen* 29(11):16-17, 44. Nov. 1966, 49 C16
- 12186 BEREZOVSKII, A. A. Combined silage for cattle. (Rus) Zhivotnovodstvo 8:46-49. Aug. 1966, 49 Z6
- 12187 BIELINSKI, K., and others. The use of dry beef pulp saturated with ammonium lactate in feeding of milk cows. (Pol) *Rocz. Nauk Roln.* 86-B-1:103-116. Ref. 1965, 20.5 R59
M. Chomyszyn, J. Tabiszewski, and W. Slabon, joint authors.
English summary.
- 12188 BLACKSTONE, J. H., YATES, H., and AUTREY, K. M. Silage—important ingredient in dairy storage systems. *Highlights Agr. Res.* [Ala. Sta.] 13(3):12. Fall 1966, 100 AL1H
- 12189 BONSEMBIANTE, M. Technical and economic considerations on production of white meat slaughter calves and calves for re-housing. (It) *Aliment. Anim.* 10(8/9):361-369. Aug./Sept. 1966, 389.78 AL4
Weaning methods and production costs.
- 12190 CEPIN, S. Fast method of preparation of pregnant heifers and cows for lactation. (Sl) *Soc. Kmetistvo Gozdarstvo* 17(7):152-153. May 1966, 21.5 Sd4
By feeding.
- 12191 CHIATTI, C. Some considerations on ensiled forages and the inconveniences of using them for cattle feeding. (It) *Nuovo Prog. Vet.* 21 (6):289-292. Mar. 31, 1966, 41.8 P942
- 12192 CLANTON, D. C. Winter supplementation programs for range cattle. *Nebr. Cattlemen* 23(3):30, 32. Nov. 1966, 43.8 N27

- 12193 CZAKO, J., NAGY, MRS. Z., and VESZELY, MRS. P. Trend in water consumption of calves in the period of milk feeding. (Hu) Kiserle-tugyi Közlemények 58(B(3):17-30. 1965, pub. 1965. 105.9 H83
English summary.
- 12194 DEAN, P. Modern methods of fattening cattle. (Rum) Rev. Gosp. Agr. Stat 18(6):21-24. June 1966. 21 R32
- 12195 DOLGE, K. L. Heifer calves—a real opportunity for profit. Agrway Coop. 2(10):22-23. Oct. 1966. 280.28 Ag9
Feeding and management program for herd replacement.
- 12196 EMBRY, L. B., MINYARD, J. A., and NES-VOLD, J. E. Concentrates for roughages. S. Dak. Farm Home Res. 17(3):5-8. Summer 1966. 100 So82S
Calves.
- 12197 EVERS, H. J. Planning additional feed buying for the winter. (Ge) Tierzuechter 18(18):642-643. Sept. 20, 1966. 49 T445
For cattle and swine.
- 12198 FEEDS ILLUSTRATED. Calf, dairy cattle, lambs & sheep nutrition guide section for 1966. Feeds Illus. 17(10):21-28. Oct. 1966. 369.78 F326
Includes feed formulas.
- 12199 FRENS, A. M. Some general aspects of feed uptake by cattle. (Du) Vee-eetel Zuivelber. 9(3):110-116. Mar. 1966. 49 V51
- 12200 FRYE, J. B. Molasses, a valuable feed for dairy cattle. Sugar J. 29(4):9-10. Sept. 1966. 65.8 Su391
- 12201 GAWECKI, K. Investigations on the purpose of using "konpasi" in ensiling plants with high protein content. (Pol) Roczn. Nauk Roln. 87-B-3:347-362. Ref. 1966. 20.5 R59
English summary.
Fed to cattle and sheep.
- 12202 GIBBONS, W. J. A practitioner's guide to bovine nutrition. Mod. Vet. Pract. 47(11):37-40. Oct. 1966. 41.8 N812
- 12203 GILLING, L. Barley beef. Roy. Agr. Soc. Engl. J. 126:21-29. Ref. 1965. 10 R81
- 12204 GREGOROVIC, V., JAZBEC, I., and SKUSEK, F. The effect of deficiency of minerals on health, production and reproduction of dairy cattle in Slovenia. (Sl) Soc. Kmetijstvo Gozdarstvo 17(2):43-45. Feb. 9, 1966. 21.5 So14
- 12205 GRUM, F. Supply of cows with calcium and phosphorus on farms during winter feeding. (Sl) Soc. Kmetijstvo Gozdarstvo 17(2):41-43. Feb. 9, 1966. 21.5 So14
- 12206 HANSEN, H. E. Influence of feed fat on butter-fat production. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):468-469. 49.9 D41
- 12207 HAWKINS, G. E., and LITTLE, J. A. Quality varies among johnsongrass hays. Highlights Agr. Res. [Ala. Sta.] 13(3):5. Fall 1966. 100 AL1H
For dairy cattle feeding.
- 12208 HENKEL, H. Supplying of minerals to dairy cattle in winter. (Ge) Landwirt. Forsch. Sonderheft 20:124-133. Ref. 1966. 18 L2333A
- 12209 HUTTON, J. B., and PARKER, O. F. The effect of grazing time and supplementary feeding of hay on production per cow in early lactation. New Zeal. Soc. Anim. Prod. Proc., 26th Annu. Conf.:71-85. 1966. 49.9 N483
- 12210 KIRCHGESSNER, M., and KOCH, G. Feeding and milk quality. (Ge) Tierzuechter 18(13):452-453. July 5, 1966. 49 T445
Effects on taste and odor.
- 12211 KRELOWSKA, M. Effect of cobalt, phosphoric acid, terramycin, lactic acid and vitamin A added to fodder on the nitrogen balance and ammonium nitrogen in the rumen of cows. (Pol) Acta Agr. Silvestria, Ser. Zootech. 5:31-52. Ref. 1965. 49 Ac8
English summary.
- 12212 LARSEN, J. B., KLAUSEN, S., and SVENSGAARD, C. Beet top silage versus rutabaga tops. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):361-364. 49.9 D41
Dairy cattle feeding.
- 12213 LARSEN, J. B., KLAUSEN, S., and SVENSGAARD, C. Rutabaga top silage. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):364-366. 49.9 D41
Effects on milk yield and flavor.
- 12214 LARSEN, J. B., KLAUSEN, S., and KONGGAARD, S. P. Trial feeding with seed meal from Crambe abyssinica. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):403-404. 49.9 D41
Dairy cattle.
- 12215 LAWTON, R. M. The value of browse. Sols Afr. 10(2/3):309. May/Dec. 1965. 56.8 So4
Text also in French, p.311.
In cattle feeding in Zambia.
- 12216 MABEY, G. L., and INNES, R. R. Studies on browse plants in Ghana. II. Digestibility. (c) Digestibility of Antiaris africana from the Accra Plains, using local cattle as experimental animals. Exp. Agr. 2(1):27-32. Jan. 1966. 10 Ex72
- 12217 MADEYSKI, S. A comparison of the estrogenic reaction of the cytomarg of the vagina when feeding with lucerne and other selected fodders. (Pol) Med. Weter. 22(6):348-350. June 1966. 41.8 M463
Test with cattle.
- 12218 MAKSIMOVIC, D., and others. Substitution of hay and silage feed rations in the feeding of cattle with feed concentrates. (Se) J. Poljoprivredni Pregl. 15(1/2):25-32. Jan./Feb. 1966. 21.5 P753
B. Bajetic, R. Handzic, and R. Poleksic, joint authors.
- 12219 MALETTTO, S. Feeding trials with powdered milk for zootechnical use in growing calves. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:149-167. Ref. 1964. 41.9 T843
English summary.
- 12220 MATHUR, M. L. Scientific way of feeding cattle. Mysore Econ. Rev. 51, i.e. 50(1/2):10-12. Jan./Feb. 1966. 280.3 M994
Dairy cattle; in India.
- 12221 MEYER, B. H., MYSSINGER, M. A., and COLE, J. W. Effect of finish and ripening on vitamin B₆ and pantothenic acid content of beef. J. Agr. Food Chem. 14(5):485-486. Ref. Sept./Oct. 1966. 351 J8223
- 12222 MILLER, W. J., POWELL, G. W., and HIERS, J. M. Influence of zinc deficiency on dry matter digestibility in ruminants. J. Dairy Sci. 49(8):1012-1013. Aug. 1966. 44.8 J822
Cattle and goats.
- 12223 MUSANGI, R. S. Feed intake studies in ruminants. II. The grazing behaviour of Friesian and Nganda steers on tropical pasture. Sols Afr. 10(2/3):321-327. Ref. May/Dec. 1965. 56.8 So4
Text also in French, p.329-336.
- 12224 NORRMAN, E. Final fattening of beef cattle in the barn. (Sw) Skand. Kreatursforsakrings-bolaget. Manadsl. 43(9/10):88-91. 1965. 49.9 Sk1
- 12225 OLSON, H. H. Mix roughage and concentrates into one feed. Hoard's Dairyman 111(19):1155, 1162, 1164. Oct. 10, 1966. 44.8 H65
Feeding trials.
- 12226 PEARCE, J. The feeding of cattle. Roy. Agr. Soc. Engl. J. 126:189-205. 1965. 10 R81
Review of the literature.
- 12227 PETERSEN-DALUM, T. Efficiency control in the dairy barn. (Da) Naesgaardsbogen 52:29-34. 1965. 104 N12N
Chiefly feeding and milk production.
- 12228 PICCIONI, M. Silaging for milk production. (It) Esso Agr. 15(3):10-11. June 1, 1966. 58.8 Es7
Dairy cattle feeding.
- 12229 POPE, L. S. Range supplements for wintering beef cattle. Kans. Stockman 51(5):83-84. Mar. 1966. 49 KI34
- 12230 PSHENYCHNA, H. D. Effect of feeding of Ukrainian Red heifers on development of their fetus. (Uk) Vses'ukr. Sil's'kohospodar. Nauk. 7:84-89. July 1965. 20 V82
Russian summary.

- 12231 RALEIGH, R. J., and SAWYER, W. A. Feeding and management of cattle with a limited feed supply. *Oreg. Agr. Exp. Sta. Spec. Rep.* 223, 7 p. Oct. 1966. 100 Or3M
U. S. Department of Agriculture, cooperating.
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
Effects of drought.
- 12232 REPETTI, P., and SARONIO, M. Influence of chemical characteristics of soil and feeding on fertility and milk production of cattle. (It) *Zootec. Vet.* 21(5/6):133-139. May/June 1966. 41.8 Z7
English summary.
- 12233 ROHWEDER, D. A. Keep your feed costs under control. *Hoard's Dairyman* 111(2):1291. Nov. 10, 1966. 44.8 H65
For dairy cattle.
- 12234 ROLLINS, G. H. Can Coastal [bermudagrass] management affect milk production? Highlights *Agr. Res. [Ala. Sta.]* 13(2):13. Summer 1966. 100 AL1H
- 12235 RONING, M., BALDWIN, R. L., and TENNANT, B. C. Study of nutritional defects of a nonfat milk solids and glucose diet for young calves. *J. Dairy Sci.* 49(8):986-990. Ref. Aug. 1966. 44.8 J822
- 12236 SALERNO, A., and MALOSSINI, F. The water consumption of dairy cows and heifers. (It) *Ann. Sperim. Agr. (n.s.)* 18(5/6):683-711. Ref. 1964, pub. 1966. 16 An76
English summary.
- 12237 SAUE, O. A comparison of barn dried hay and myosil silage for dairy cattle. (No) *Nord. Jordbrugsforsk.* 47(4):350. 1965. 11 N752
Effects on milk yields.
- 12238 SCHAUMANN, W. Spring and summer feeding of cattle. (Ge) *Lebendige Erde* 3:117-119. May/June 1966. 18 L49
- 12239 SHCHEKOTOVA, T. S. Year-around feeding of cows with silage. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 5:82-85. May 1965. 20 V82
Russian summary.
Includes effect on milk production.
- 12240 SIECK, K. H. Requirements of mineral feeds. (Ge) *Chem. Tech. Landwirt.* 17(11):381-382. 1966. 384 C4292
For dairy cattle.
- 12241 SOMMERKAMP, G. Does heavy nitrogen fertilizer endanger the health of animals? (Ge) *Stickstoff* 4:18-20. 1965. 57.8 S5
Dairy cattle on pasture.
- 12242 STEINER, H. Fattening of young cattle. (Ge) *Gute Rat Futterungsfragen* 5(4):6-9. Sept. 1966. 389.78 G98
- 12243 STOBBS, T. H. Animal production from pasture leys. *Sols Afr.* 10(2/3):293-299. Ref. May/Dec. 1965. 56.8 S04
Text also in French, p.301-308.
Beef production in Uganda.
- 12244 SUCIC, B. Results of feeding calves on private farms with milk substitutes and economic aspects of their utilization. (Se) *Poljoprivredni Pregl.* 15(1/2):45-50. Jan./Feb. 1966. 21.5 P753
- 12245 SYVAOJA, E. L., and VIRTANEN, A. I. Fractionation of milk proteins, especially of milk produced on protein-free feed with urea and ammonium salt as the sole source of nitrogen. *Enzymologia* 29(3/5):205-220. Ref. June 11, 1965. 390.08 En9
- 12246 TAKACS, I., and TELEKI, MRS. J. Nitrogen enrichment of sugar beet pulp. (Hu) *Kiserletgyi Közlemenyek* 58(B(3)):83-86. 1965, pub. 1966. 105.9 H89
English summary.
For heifer feeding.
- 12247 THACKER, D. L., and ROSS, R. H. Economic practicability and effects of feeding animal fat in veal rations. *Idaho, Agr. Exp. Sta. Res. Bull.* 71, 10 p. Oct. 1966. 100 Id1
- 12248 VAN HORN, H. H., and FOREMAN, C. F. Urea for dairy cows. *Iowa Farm Sci.* 21(4):3-5. Oct. 1966. 275.28 Io94
- 12249 VASYLENKO, D. YA., and STOLYARCHUK, O. Z. Effects of root crop silage in rations on growth intensity in young cattle. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 7:89-95. July 1965. 20 V82
Russian summary.
Beef cattle.
- 12250 VIRTANEN, A. I. Milk production of cows on protein-free feed. *Science* 153(3744):1663-1614. Ref. Sept. 30, 1966. 470 Sci2
The use of ammonium salt and urea studied.
- 12251 WARD, R. E. Natural protein is not essential in a cow's diet. *Agway Coop.* 2(9):31. Sept. 1966. 280.28 Ag9
Effects on the nutritive value of the milk.
- 12252 WARD, R. E. Wean your calves at four weeks. *Agway Coop.* 2(9):9-11. Sept. 1966. 280.28 Ag9
- 12253 WAWRZYNCZAK, S. The fattening of cows in poor condition and rejected from rearing. (Pol) *Rocz. Nauk Roln.* 87-B-1:97-105. Ref. 1965. 20.5 R59
English summary.
With distiller's waste.
- 12254 WAWRZYNCZAK, S. The problem of young cattle fattening. (Pol) *Rocz. Nauk Roln.* 87-B-2:153-173. Ref. 1965. 20.5 R59
English summary.
Includes castration of bulls.
- 12255 WILLIAMS, M. C. Creep feeding beef calves did not pay in study. *Sunshine State Agr. Res. Rep. [Fla. Sta.]* 11(3):19-20. July 1966. 100 F66Su
- 12256 YURGAITIS, A. Effect of urea in feed on reproductive capacity of cows. (Rus) *Zhivotnovodstvo* 8:90-91. Aug. 1966. 49 Z6
Veterinary Medicine
- 12257 ANCZYKOWSKI, F., MURAT, P., and WALKOWSKI, L. Dependence of titre in agglutination test with vaginal mucus of cows on the titre of the blood serum. II. (Pol) *Pol. Arch. Weter.* 9(1):55-69. Ref. 1965. 41.8 P76
English summary.
Tested for brucellosis.
- 12258 ANGELACHEV, A. On the rickettsial keratoconjunctivitis in cattle. (Bu) *Vet. Med. Nauk.* 2(9):809-814. 1965. 41.8 V6468
English summary.
- 12259 AL'MEEV, KH. SH., and PAVLOV, V. F. Clinical and pathomorphological changes during botulism in cattle. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 8:98-102. Aug. 1965. 20 V82
Russian summary.
- 12260 ANSAY, M., and GILLET, A. Study of some blood and urine constituents in muscular hypertrophy of cattle. I. Urea and amino acids. (Fr) *Ann. Med. Vet.* 110(4):274-302. June 1966. 41.8 An78
English summary.
Bibliography, p.297-302.
Genetic significance in Central and Upper Belgian cattle.
- 12261 ANTHONY, H. D. Anaplasmosis. *Kans. Stockman* 51(5):26, 28. Mar. 1966. 49 K134
Control.
- 12262 BALCHEV, M., and others. Normal and pathological titres of the agglutinins in the blood of cattle to the vibriosis antigen. (Bu) *Vet. Med. Nauk.* 2(10):951-958. 1965. 41.8 V6468
T. Ganchev, K. Nedyalkov, G. Dzhambozov, I. Nanchev, and S. Geshev, joint authors.
English summary.
- 12263 BARNETT, S. F., and BROCKLESBY, D. W. The susceptibility of the African buffalo (*Syncaerus caffer*) to infection with *Theileria parva* (Theiler, 1904). *Brit. Vet. J.* 122(9):379-386. Ref. Sept. 1966. 41.8 V643
- 12264 BAUMGARTNER, H. The spreading of Q fever in the dairy cattle herds of Emmental and Oberrargau. (Ge) *Schweiz. Arch. Tierheilk.* 108(8):401-409. Ref. Aug. 1966. 41.8 Sch9
English summary.
- 12265 BAVNHQJ, H. J. Causes of acetoneuria. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(16):692-693. Aug. 15, 1966. 41.9 D23
Cattle.

- 12266 BERTHELON, M., and ROYAL, L. About cattle brucellosis: a research by proper means to avoid the failings of ring test in prophylaxis. (Fr) *Rev. Med. Vet. [Toulouse]* 29(3):201-207. Mar. 1966. 41,8 R32
English summary.
- 12267 BERTRAND, M. Neonatal infections of calves. (Fr) *Cah. Med. Vet.* 35(4):169-210. Ref. July/Aug. 1966. 41,8 C11
- 12268 BINGLEY, J. B., LANDO, E., and CARRILLO, B. J. Enteeque seco—aspectos bioquímicos. II. Niveles de fosforo en sangre de bovinos de areas afectadas [Enteeque seco—biochemical aspects. II. Levels of phosphorus in the blood of cattle from affected areas]. *Rev. Invest. Agropecuar. Ser. 4. Patol. Anim.* 2(15):207-220. Ref. 1965. 41,8 R3227
English summary.
- 12269 BOHMAN, V. R., and others. Strontium-90: accumulation of strontium in bovine bones. *J. Agr. Food Chem.* 14(4):413-415. Ref. July/Aug. 1966. 381 J8223
C. Blincoe, M. A. Wade, A. L. Lesperance, and E. L. Fountain, joint authors.
- 12270 BOUCKAERT, J. H., and DE MOOR, A. Treatment of spastic paralysis in cattle; improved de-nervation technique of the gastrocnemius muscle and post-operative course. *Vet. Rec.* 79(8):226-229. Aug. 20, 1966. 41,8 V641
- 12271 BRADLEY, J. A. Ten questions answered about I.B.R. [infectious bovine rhinotracheitis]. *Can. Cattleman* 29(11):10. Nov. 1966. 49 C16
- 12272 BRATANOV, K., BALCHEV, M., and DANOV, D. Immunological investigations into embryogenesis in livestock. I. Allergic relationships between fetus and dam during pregnancy in cows. (Bu) *Vet. Med. Nauk.* 2(9):833-843. Ref. 1965. 41,8 V6468
English summary.
- 12273 BROCKLESBY, D. W., and BARNETT, S. F. The isolation of "Theileria lawrencei (Kenya)" from a wild buffalo (*Syncerus caffer*) and its serial passage through captive buffaloes. *Brit. Vet. J.* 122(9):387-395. Sept. 1966. 41,8 V643
Causes corridor disease; includes transmission by *Rhipicephalus appendiculatus*.
- 12274 BROCKLESBY, D. W., and BARNETT, S. F. The literature concerning Theileridae of the African buffalo (*Syncerus caffer*). *Brit. Vet. J.* 122(9):371-378. Sept. 1966. 41,8 V643
Review of the literature.
- 12275 CANZIANI, P. L. Latest news on the tuberculin test in purchase-sale cases and the livestock sanitary fund. (It) *Nuovo Prog. Vet.* 21(10):476. May 31, 1966. 41,8 P942
Concerning Italian regulations on cattle.
- 12276 CAPEN, C. C., COLE, C. R., and HIBBS, J. W. The pathology of hypervitaminosis D in cattle. *Pathol. Vet.* 3(4):350-378. Ref. 1966. 41,8 P27
- 12277 CHHEDA, V. D., and SCHIPPER, I. A. The sensitivity of mastitic and non-mastitic *Staphylococcus albus* organisms to sulphonamides. *Brit. Vet. J.* 122(8):340-343. Ref. Aug. 1966. 41,8 V643
- 12278 CHWOJNOWSKI, A., DZIUBEK, T., and LUKASZEWSKA, E. Correlation between the environmental conditions and care of hooves and leg diseases in cows. (Pol) *Pol. Arch. Weter.* 9(1):165-184. Ref. 1965. 41,8 P76
English summary.
Cows kept indoors.
- 12279 CULLEN, G. A. The ecology of *Streptococcus uberis*. *Brit. Vet. J.* 122(8):333-339. Aug. 1966. 41,8 V643
Isolated from milk and various sites of the body of cows.
- 12280 CUERPO, L., and CASAL, J. J. Valores en suero bovino de acido sialico; relacion entre bovinos aparentemente normales y con enteeque seco [Content of sialic acid in bovine serum; the relation between apparently normal and "enteeque seco" affected cattle]. *Rev. Invest. Agropecuar. Ser. 4. Patol. Anim.* 2(7):84-94. Ref. 1965. 41,8 R3227
English summary.
- 12281 DAS, S. C. Surgical consideration in the successful canulation of parotid duct of buffalo. *Indian Vet. J.* 43(7):601-605. July 1966. 41,8 In2
- 12282 DAWSON, P. S. Persistence of maternal antibodies to parainfluenza 3 virus. *J. Comp. Pathol.* 76(4):373-378. Ref. Oct. 1966. 41,8 J82
In calves.
- 12283 DEBACKERE, M., HOORENS, J., and HAUSTRAETE, K. H. Poisoning by contaminated linseed meal. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(9/10):393-399. Sept./Oct. 1966. 41,8 V84
English summary.
Cattle.
- 12284 DIMITROV, A., and LOZANOV, L. A pathohistological picture at the initial stage of leukemia in cattle. (Bu) *Vet. Med. Nauk.* 3(3):271-277. Ref. 1966. 41,8 V6468
English summary.
- 12285 DOW, C., and MCFERRAN, J. B. Experimental studies on Aujeszky's disease in cattle. *J. Comp. Pathol.* 76(4):379-385. Oct. 1966. 41,8 J82
- 12286 EGYED, M., and HADANI, A. Effects of rue-lene and malathion applied singly or together on the whole blood cholinesterase activity in cattle. *Refuah Vet.* 22(3):195-200. Sept. 1965. 41,8 R25
Text also in Hebrew.
- 12287 FAGOT, V. Dystocia and pelvimetry [of cows]. (Fr) *Zootechnia* 14(2):60-64. Apr./June 1965. 41,8 Z73
English summary.
- 12288 FAHNING, M. L., SCHULTZ, R. H., and GRAMHAM, E. F. A technique for the collection of uterine fluids from the live cow. *Vet. Rec.* 79(8):230-233. Ref. Aug. 20, 1966. 41,8 V641
- 12289 FREDERIKSEN, J. H. In vitro digestibility studies. (Da) *Nord. Jordbrugsforsk.* 47(4):358-359. 1965. 11 N752
Cattle.
- 12290 GALLINA, L. Bovine and human tuberculosis. (It) *G. Agr.* 76(40):424. Oct. 2, 1966. 16 It 11G
- 12291 GARDINER, M. R., and MUNCH-PETERSEN, E. Survey of bovine mastitis in western Australia. *S. Australian Dairymen's J.* 5(6):22-23. May/June 1966. 44,8 S086
- 12292 GEDDE-DAHL, T. Bacteria count in milk and inherited resistance to mastitis. (No) *Nord. Jordbrugsforsk.* 47(4):341-342. 1965. 11 N752
- 12293 GEDEK, W. A set of bacteriophages for differentiating of bovine staphylococci. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(15):292-295. Ref. Aug. 1, 1966. 41,8 B45
English summary.
- 12294 GLEESON, L. N., and GRIFFIN, R. M. A study of infectious kerato-conjunctivitis (I.K.C.). *Irish Vet. J.* 19(9):163-182. Ref. Sept. 1965. 41,8 Ir4
Cases of cattle in Nigeria with a review of world literature. p.166-177.
- 12295 GOURLAY, R. N., and SHIFFRINE, M. Antigenic cross-reactions between the galactan from *Mycoplasma mycoides* and polysaccharides from other sources. *J. Comp. Pathol.* 76(4):417-425. Ref. Oct. 1966. 41,8 J82
In the diagnosis and pathogenesis of contagious bovine pleuropneumonia.
- 12296 GRAY, A. R. The antigenic relationship of strains of *Trypanosoma brucei* isolated in Nigeria. *J. Gen. Microbiol.* 44(2):263-271. map. Ref. Aug. 1966. 44,8 J823
Chiefly from cattle.
- 12297 GRUNBERG, W., and KAISER, E. The roentgen fluorescence analysis for quantitative determination of minerals and trace elements in ash and natural organic substrata. II. Iodine determination in dried thyroid gland tissues. (Ge) *Arch. Exp. Veterinarmed.* 20(2):391-397. Ref. Apr. 1966. 41,8 Ex7
Cattle.

- 12298 GRYB, S. Investigations to determine the development of the disease and immunity in cattle injected with *Mycobacterium tuberculosis* murine type (vole bacillus). (Pol) *Pol. Arch. Weter.* 8(4):747-753. Ref. 1965. 41.8 P76 English summary.
- 12300 GRYB, S. Investigations to determine the development of disease and immunity in cattle infected with tubercle bacillus. II. (Pol) *Pol. Arch. Weter.* 8(4):549-569. 1965. 41.8 P76 English summary.
- 12301 GUNST, O., and MOOR, A. DE. Contraction of flexor tendons and hypotonia of extensor muscles in calves. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(6):265-275. June 1966. 41.8 V84 English summary.
- 12302 GUPTA, N. K. On two amphistomid parasites of the genus *Calicophoron* from ungulates of economic importance in India. *Panjab Univ. Res. Bull.* (n.s.)16(4):283-289. Ref. Dec.1965. 513 Ea72 Infesting rumen of cattle.
- 12303 GUPTA, N. K. On two trematode parasites of the genus *Ceylonocotyle* Nasmak, 1937, collected from the rumen of cattle in Uttar Pradesh. *Panjab Univ. Res. Bull.* (n.s.)16(4):277-281. Dec.1965. 513 Ea72
- 12304 HAJDU, S. Efficiency of the fluorescent method in the sero-diagnosis of cattle and swine brucellosis. (Ge) *Arch. Exp. Veterinarmed.* 20(2):293-306. Ref. Apr.1966. 41.8 Ex7
- 12305 HERRICK, J. B. Economic significance of parasitism in cattle. *Merck Arch. Memo* 10(3):1-2. Winter 1965/66. 41.8 M53 Loss in profits because of verminosis.
- 12306 HNOVYYI, V. I. Some nitrogen fractions, calcium and phosphorus in blood serum of heifers fed with corn silage, urea and ammonia liquor for a long period of time. (Ukr) *Visnyk Sil'skohospodar. Nauk.* 8:92-95. Aug.1965. 20 V82 Russian summary.
- 12307 HOBBERGER, A. Sanitary handling of udders with special attention to udder medications marked with dyes. (Ge) *Deut. Molk.-Zeitung* 87(39):1677-1679. Sept.29,1966. 44.8 Su2
- 12308 HOFFMANN, H., and OKONSKI, J. The density of the cow's tail vertebra measured by roentgenographic method during the summer and winter period of nutrition. (Pol) *Rocz. Nauk Roln.* 85-B-2:205-210. Ref. 1965. 20.5 R59 English summary.
- 12309 HOPKIRK, C. S. M. Eradication of brucellosis from the New Zealand cattle population. *New Zeal. Soc. Anim. Prod. Proc.* 26th Annu. Conf.:125-133. 1966. 49.9 N483 Includes discussion.
- 12310 HORNER, M. R. The interpretation of faecal egg-counts. III. The influence of the age of the host on *Fasciola hepatica* egg-counts in cattle. *Z. Parasitenk.* 26(3):221-229. Ref. 1965. 44.8 Z33F
- 12311 HORVATH, Z., and LAMJ, GY. Leucosis of cattle in recent literature. I. Occurrence in Europe, economical importance and etiology of disease. (Hu) *Magyar Allatorv. Lapja* 21(8):363-366. Aug.1966. 41.8 V644
- 12312 HUPALO, YU. M. Determination of glucose fissionable activities in cow rumen depending on presence of carbonic acid. (Ukr) *Visnyk Sil'skohospodar. Nauk.* 4:100-101. Apr.1966. 20 V82 Russian summary.
- 12313 IANNUZZI, L. Observations on the behavior of the actual reaction of bovine lymph nodes. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:231-243. 1964. 41.9 T843 French summary.
- 12314 IANNUZZI, L. Trial of benzidine peroxidase test applied in the inspection of bovine muscles affected by various diseases. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:169-193. 1964. 41.9 T843 French summary.
- 12315 JACOBS, J., and HANSELLAR, J. Antibiotic concentrations in milk of cows following intramammary administration. (Du) *Tijdschr. Diergeneesk.* 91(14):896-905. Ref. July 15, 1966. 41.8 T431 English summary.
- 12316 JENTZSCH, K. D. Determination of Brucellae with fluorescent antibodies. 5. The "combined fluorescence test" for establishing agglutinins, incomplete and complement fixing antibodies in blood sera. (Ge) *Arch. Exp. Veterinarmed.* 20(2):275-291. Ref. Apr.1966. 41.8 Ex7 Cattle.
- 12317 KHAN, M. A. Helminthiasis in cattle and failure of coumaphos to control it. *Can. Vet. J.* 7(2):32-39. Ref. Feb.1966. 41.8 R3224
- 12318 KLEINSCHROTH, E. Experiences in the control of chronic cattle mastitis in the frame of udder health services. (Ge) *Wien. Tierarztl. Monatsschr.* 53(7):469-473. July 1966. 41.8 T345
- 12319 KOCJAN, L. New methods of the eradication of tuberculosis in Slovenia. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(18):451-452. Dec.1965. 21.5 So14 Includes tuberculosis of cattle.
- 12320 KONSTANTINOV, P., and NEFTYANOVA, E. Investigations into the bactericidal properties of calf's blood serum. I. Relationship to age and dyspepsia. (Bu) *Vet. Med. Nauk.* 3(3):255-260. Ref. 1966. 41.8 V6468 English summary.
- 12321 KUBIN, G. Spreading of bovine virus diarrhea (VD) in Austria. (Ge) *Wien. Tierarztl. Monatsschr.* 53(8):516-522. Ref. Aug.1966. 41.8 T345 English summary.
- 12322 KUIL, H. Helminths in cattle in Surinam. II. (Du) *Surinaamse Landbouw* 14(1/2):25-35. 1966. 9.6 Su7 English summary.
- 12323 KUNL, E. Mastitis treatment on dried-off udder. (Ge) *Prakt. Tierarzt* 47(8):385-386. Aug.1,1966. 41.8 P882 Cattle.
- 12324 KUSEN', S. I., and SOLOHUB, L. I. Contents of carbohydrate-phosphorus metabolism products in the liver and blood of cattle in connection with age. (Ukr) *Ukr. Biokhim. Zhur.* 37(3):437-446. Ref. 1965. 385 Uk72 English summary.
- 12325 KUTIKOV, E. S., and HERMANVUK, YA. L. Isolation of bicarbonate esterase containing albumin from cattle rumen. (Ukr) *Visnyk Sil'skohospodar. Nauk.* 8:95-97. Aug.1965. 20 V82 Russian summary.
- 12326 LAMPILA, M. Flow of liquid as well as dissolved mineral substances and volatile fatty acids from the rumen. (Sw) *Nord. Jordbrugsforsk.* 47(4):361-362. 1965. 11 N752 Cattle.
- 12327 LAMPO, P. Distribution of the milk between the udder quarters and milkability in cows. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(5):233-252. May 1966. 41.8 V84 English summary.
- 12328 LASCERES, A. K. The role of animal research in the dairy industry. *Milk Board J.* 17(8):9,11. Aug.1966. 44.8 M5934 Chiefly disease control.
- 12329 LAUWERS, H. The A.B.R.-test, the slow agglutination test and the C.F.T. [complement fixation test] in the eradication campaign of bovine brucellosis. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(7/8):326-338. Ref. July/Aug. 1966. 41.8 V84 English summary.
- 12330 LEINATL, L. Interstitial nephritis of cattle. (Ge) *Wien. Tierarztl. Monatsschr.* 53(7):454-465. (Concl.) Ref. July 1966. 41.8 T345 English summary.
- 12331 LELAND, S. E. Alertness to parasitism pays off. *Fla. Cattleman Livestock J.* 30(10):22,24. July 1966. 43.8 F66 Chiefly concerns the stomach worm, *Trichostrongylus axei*.
- 12332 LIESS, B. Investigations on the rinderpest virus by using cell cultures. (Ge) *Arch. Exp. Veterinarmed.* 20(2):203-257. Apr.1966. 41.8 Ex7 Review of the literature.

- 12333 LILJEDAHN, L. E. Determination of total muscle weight of carcasses of young cattle. (Sw) Nord. Jordbrugsforsk. 47(4):335-337. 1965. 11 N752
- 12334 LINDNER, H., and MULLER, J. Electrophoretic studies on extracts from isolated cattle lymphocytes. (Ge) Arch. Exp. Veterinarmed. 20(2):411-416. Ref. Apr.1966. 41.8 Ex7
- 12335 LUCKHAUS, G. The cranial part of the thymus in the bovine fetus; morphology, topography, external blood supply and development. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(5):414-427. Ref. July 1966. 41.8 Z5
English summary.
- 12336 MALJALA, K., and LINDSTROM, G. Results of blood group investigations in Finland. (Sw) Nord. Jordbrugsforsk. 47(4):330. 1965. 11 N752
Cattle.
- 12337 MALINOWSKA, A. The activity of L-leucine aminopeptidase (LAP) in blood of healthy and tuberculosis infected cattle. Pol. Arch. Weter. 9(1):135-153. Ref. 1965. 41.8 P76
- 12338 MASSELIN, J. N., and CHIARAVALLE, A. M. Frecuencia de la esclerosis aortica en el bovino; observaciones estadísticas basadas en la anatomía patológica de animales destinados al sacrificio [The frequency of aortic sclerosis in cattle; statistical observations based on the pathologic anatomy of slaughter animals]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 2(10):117-147. Ref. 1965. 41.8 R3227
English summary.
- 12339 MAYDAT, L., and DEMARCHI, J. An immunological survey of arboviruses incidence in bovines in Central African Republic. (Fr) Soc. Pathol. Exot. Bull. 55(5):801-811. Sept./Oct.1965. 44.9 So13
English summary.
Study of antibodies.
- 12340 MAYEE, G. P., RAMBERG, C. F., and KRONFELD, D. S. Hypocalcemia without paresis in cows. Amer. Vet. Med. Ass. J. 149(4):402-405. Ref. Aug.15,1966. 41.8 Am3
- 12341 MCCLURE, T. J., and others. Mastitis in dairy cattle in the Moss Vale District of New South Wales. Australian Vet. J. 42(6):194-198. Ref. June 1966. 41.8 Au72
K. L. Hughes, A. E. Dowell, S. M. Murphy, and E. Joyce, joint authors.
- 12342 MEISINGER, G. Cattle tuberculosis eradication in the private stands of LPG type I. (Ge) Tierzucht 20(8):402-405. Aug.1966. 49 T443
- 12343 MIGAKI, G., and BRANDLY, P. J. Incidence and types of lung tumors in cattle slaughtered for food in the United States. Int. Conf. Cancer. Proc., 3d Conf.:225-238. Ref. 1965, pub. 1966. SF605.15
- 12344 MISRA, B., and NAYAK, B. C. Infectious keratoconjunctivitis (pink eye) in cattle in Orissa. Indian Vet. J. 43(7):652-656. Ref. July 1966. 41.8 In2
- 12345 MODERN VETERINARY PRACTICE. Trends in nutrition; hypovitaminosis A in calves. Mod. Vet. Pract. 47(9):53-54. Aug.1966. 41.8 N612
- 12346 MOHANTY, G. P., and VOELKER, H. H. Effect of feeding moldy alfalfa forages to dairy heifers. S. Dak. Farm Home Res. 17(3):16-17. Summer 1966. 100 So82S
- 12347 MULLER, M. S., and CASAL, J. J. Valores en suero bovino de colesterol total, libre, esterificado y asociado a alfa y beta lipoproteínas; relación entre bovinos aparentemente normales y con enteqe seco [Content in bovine serum of total, free, esterified, and alpha-and-beta lipoprotein-bound cholesterol; the relation between apparently normal and "enteqe seco" affected cattle]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 2(8):95-105. Ref. 1965. 41.8 R3227
English summary.
- 12348 NAHORNYI, I. S., and POLYSHCHUK, V. P. Biochemical and biological properties of cervical mucus in cows. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:99-103. May 1965. 20 V82
Russian summary.
- 12349 NEERGAARD, L. Rumen physiological studies of young cattle. (Da) Nord. Jordbrugsforsk. 47(4):362-363. 1965. 11 N752
- 12350 NEIMANN-SORENSEN, A., and others. Influence of the lactation figure on milkability and its effect on udder health. (No) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):407-411. 49.9 D41
S. Klausen, E. Agergaard, S. P. Kongsgaard, H. E. Hansen, and S. M. Nielsen, joint authors.
Dairy cattle.
- 12351 NEUMANN, H. J. Combatting rearing diseases of calves. (Ge) Tierzucht 18(18):638-639. Sept.20,1966. 49 T445
- 12352 NEWMAN, A. J. Acute coccidiosis in calves. Vet. Rec. 79(8):240-241. Aug.20,1966. 41.8 V641
- 12353 NIELSEN, J. An investigation of the relation between the dimensions of the coccyx and pelvic inlet of cattle. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):239-261. 49.9 D41
- 12354 OWEN, I. N. Primary lung tumours in cattle. Int. Conf. Cancer. Proc., 3d Conf.:209-223. Ref. 1965, pub.1966. SF605.15
- 12355 PAMUKCU, A. M., OLSON, C., and PRICE, J. M. Assay of fractions of bovine urine for carcinogenic activity after feeding bracken fern (Pteris aquilina). Cancer Res. 26(8,pt.1):1745-1748. Ref. Aug.1966. 44.8 C16
- 12356 PODGORSKI, W. Comparative studies on the dependence of iodine level excreted with milk, upon its concentration in water taken in by cows, considering some physiological parameters. (Pol) Roczn. Nauk Roln. 87-B-1:87-96. Ref. 1965. 20.5 R59
English summary.
- 12357 PODHORSKI, V. S. Quantitative and specific composition of the lactic acid bacteria in the rumen of cattle. (Uk) Mikrobiol. Zhur. 27(6):37-41. Ref. 1965. 44.8 K54
English summary.
- 12358 PRANGE, H., and others. The effect of transport load on the lactic dehydrogenase activity in the serum of cattle. (Ge) Arch. Exp. Veterinarmed. 20(2):399-409. Ref. Apr.1966. 41.8 Ex7
E. Kolb, E. Grun, and H. Gurtler, joint authors.
- 12359 PROBST, A. On the inheritance of mastitis susceptibility. (Ge) Tierzucht 18(13):454-455. July 5,1966. 49 T445
Cattle.
- 12360 REINDERS, J. S. A practical study with Ripercol, a new chemo-therapeutic in lung-worm and intestinal worm infections in the cow. (Du) Tijdschr. Diergeneesk. 91(15):967-972. Aug.1,1966. 41.8 T431
- 12361 RICHARDS, R. J. Antibiotics for mastitis; benefits and problems. Dairy Top. 11(2):9-12. Mar./Apr.1966. 44.8 D144
With dairy cows in Australia.
- 12362 RICHTER, H. E. Cases of poisoning by the white false hellebore, Veratrum album L. (Ge) Wien. Tierarztl. Monatsschr. 53(8):547-549. Aug.1966. 41.8 T345
English summary.
Calves.
- 12363 ROSSOW, N., and others. Bioptical and functional liver studies in cattle fascioliasis. (Ge) Arch. Exp. Veterinarmed. 20(2):307-321. Ref. Apr.1966. 41.8 Ex7
P. Rittenbach, D. Urbanek, R. Wick, and H. Krause, joint authors.
- 12364 SAMBORSKI, Z. Studies on the catalase activity of cow milk during pregnancy, after delivery and in sexual cycle. (Pol) Wroclaw. Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 19:7-46. Ref. 1966. 41.9 B753
English summary.
- 12365 SAVOV, N., SOROKIN, P., and KALUCHEVA, I. Investigations into the dissociation of vibrios. (Bu) Vet. Med. Nauk. 3(3):287-301. Ref. 1966. 41.8 V6468
English summary.
From cattle.
- 12366 SAVOV, N., and KOLEVA, P. Testing some diagnostic methods for vibriosis. 5. Some biochemical studies on vibrios isolated from cattle. (Bu) Vet. Med. Nauk. 3(1):25-27. 1966. 41.8 V6468
English summary.
Vibrio fetus, V. suis, and V. vulnulus.

- 12367 SCHRODER, H. D. Study on the structure of hoofs of some exotic type of cattle from the Zoological Garden of Berlin with special consideration to abrasion conditions. (Ge) Zool. Gart. (n.s.)32(4):174-178. 1966. 410 Z724
- 12368 SEEKLES, L., and HENDRIKS, H. J. The influence of injected vitamin D3 on some aspects of mineral metabolism in normal non-pregnant cows. I-II. Tijdschr. Diergeneesk. 91(17):1091-1104. Ref. Sept.1,1966. 41.8 T431
- 12369 SMITH, A., NEAVE, F. K., and DODD, F. H. Methods of reducing the incidence of udder infection in dry cows. Vet. Rec. 79(8):233-236. Ref. Aug.20,1966. 41.8 641
- 12370 SOLIMAN, M. K., and ZAKI, K. Blood picture of Friesian heifers from birth till maturity. Zentralbl. Veterinarmed. Reihe A, 13(5):467-473. Ref. July 1966. 41.8 Z5
- 12371 SPRYSZAK, A., and ZORAWSKI, C. Studies on the value of isonicotinic acid hydrazide (INH) in prevention of cattle tuberculosis. (Pol) Pol. Arch. Weter. 8(4):591-609. Ref. 1965. 41.8 P76
English summary.
- 12372 STABLES, J. W. Calving problems. Milk Prod. [London] 13(1C):3C4-3C5. Oct.1966. 28C.38 M598
- 12373 STANKIEWICZ, W., and others. Hematological, biochemical, morphological and immunological indicators of tuberculin-negative and tuberculin-positive cattle. (Pol) Pol. Arch. Weter. 8(4):685-707. Ref. 1965. 41.8 P76
J. Mazureczak, A. Konarska, W. Malinowski, and J. Krzaczyński, joint authors.
English summary.
- 12374 STARKOV, V. V. Some factors for evaluation of cow udders. (Rus) Zhivotnovodstvo 8:84-85. Aug.1966. 49 Z6
- 12375 STOBER, M. The cytochemistry of leucocytes in bovine leucosis. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(4):320-328. June 1966. 41.8 Z5
English summary.
- 12376 SZAKALY, S. Reliability and practicability of the Whiteside-test for the diagnosis of bovine mastitis. (Hu) Tejipari Kutatasi Kozlemenyek 8(1):3-17. Ref. 1965. 44.8 T234
English summary.
- 12377 TODD, G. C., and KROOK, L. Nutritional hepatic necrosis in beef cattle, "sawdust liver." Pathol. Vet. 3(4):379-400. Ref. 1966. 41.8 P27
- 12378 TOMOV, A. *Aspergillus clavatus* Desm.—a cause for poisoning of cows from barley and oats. (Bu) Vet. Med. Nauk. 2(10):997-1003. Ref. 1965. 41.8 V6468
English summary.
- 12379 TYTOK, V. O. Physiological activities of cattle rumen as induced by urea in cattle rations. (Uk) Visnyk Sil's'kohospodar. Nauk. 8:88-91. Aug.1965. 20 V82
Russian summary.
- 12380 VAREJCKO, J. Persistence of allergy in fasciolous cattle after treatment. Brno. Vysoka Sk. Zemedel. Sb. Rada B. Spisy Fak. Vet. 2: 137-141. Ref. 1966. 105.92 B833
- 12381 VELITOK, I. G. The tonic function of cow's udder. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:78-83. Ref. Aug. 1966. 20 V633
English summary.
- 12382 VYLICHEVA, L. V., and KHADZHIOLOV, A. A. Free nucleotides from the anterior and posterior lobes of bovine pituitary gland. (Rus) Biokhimiya 31(5):948-952. Ref. Sept./Oct. 1966. 385 B523
English summary.
- 12383 WILKIE, B. N. H., and ERICKSON, D. Lymphomatosis with cutaneous involvement in a heifer. Can. Vet. J. 7(6):132-133. June 1966. 41.8 R3224
- 12384 WUNSCH, A. The nerves of the hind legs of cattle and their topography. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(5):428-443. Ref. July 1966. 41.8 Z5
English summary.
- Miscellaneous
- 12385 ARMSTRONG, D. L. Healthy calves from the dairy herd. Agr. Northern Ireland 41(5):139-142. Sept.1966. 256.13 Ag82M
- 12386 BAKAKES, F. Economical analysis of milk production from dairy cattle on the Island of Rhodes in the year 1964. (Gre) Delt. Agrotikes Trapezes 147:24-28. (Cont.) Nov./Dec. 1965. 217 D38
- 12387 BIRKER, F. The use of fully mechanized evaluation methods in the milk performance testing organizations of the Federal Republic. (G) Tierzuechter 18(13):457-459. July 5,1966. 49 T445
Punched cards.
- 12388 BLANCHARD, R. P., FREEMAN, A. E., and SPIKE, P. W. Variation in lactation yield of milk constituents. J. Dairy Sci. 49(8):953-956. Ref. Aug.1966. 44.8 J822
In relation to environment.
- 12389 BONINI, P. Technical and economic aspects of the production of "baby beef" under the common conditions of farms in the upper Milano area. (It) Nuovo Prog. Vet. 21(8):384,386-388,390, 392,394-396. Apr.30,1966. 41.8 P942
- 12390 BRETH, F. E. Electronic calculators in service of dairy industry. (It) Inform. Zootec. 13(13):570-583. July 15,1966. 49 In3
Herd recording.
- 12391 CAMPANELLO, F. Little gain with calf cost so much. (It) Esso Agr. 15(3):12-13. June 1, 1966. 58.8 Es7
Meat production costs.
- 12392 DAWSON, W. H. M. Intensive beef production. Scot. Agr. 45(3):116-119. Summer 1966. 10 Sco828o
- 12393 GORSHKOV, L., and KOCHER, S. Effective use of peat as litter in cattle husbandry. (Rus) Zhivotnovodstvo 8:36-40. Aug.1966. 49 Z6
- 12394 HARASZTI, J. On the animal hygienic activities which are supporting the profitability of cattle breeding. (Hu) Magyar Allatorv. Lapja 21(8):361-363. Aug.1966. 41.8 V644
- 12395 HOFMANN, G. The breeder on the mountain of butter. (Ge) Tierzuechter 18(14):490-491. July 20,1966. 49 T445
Economy of milk production.
- 12396 KIMMO, I. Milk recording and progeny testing methods in Finland. (Sw) Nord. Jordbrugsforsk. 47(4):314-315. 1965. 11 N752
- 12397 KONTROLLNAMNDEN. Mjolkboskapskontrollen kontrollarett 1964/65 [Milk-butterfat recording in Sweden during the operational year 1/10 1964-30/9 1965]. Sweden Lanbruksstyrelsen. Medd. Ser. B, Lanbruksavd. 63.49 p. 1966. 11 Sw3Me
English summary.
- 12398 KORATH, G., and others. Investigation on milk proteins according to Kjeldahl and formal titration methods in cattle twins. (Ge) Arch. Tierzucht 9(4):277-294. Ref. 1966. 49 Ar23
J. Lenschow, C. Dannemann, and H. Steger, joint authors.
English summary.
- 12399 KULIN, S. Management relations of heifer rearing. (Hu) Magyar Mezogazdasag 21(42):17. Oct.19,1966. 19 M27
- 12400 MILLIKEN, M. Seasonality in milk production in Mauritius. Rev. Agr. Sci. 1966. 24 M44
- 12401 MITA, O. Avoiding lower volume of milk production with continuous mechanized milking. (Rum) Rev. Gosp. Agr. Stat 18(7):17-19. July 1966. 21 R32
- 12402 NIELSEN, E. Control and progeny testing methods in Denmark. (Da) Nord. Jordbrugsforsk. 47(4):314. 1965. 11 N752
Dairy cattle.
- 12403 ODEGARD, A. K. Milk recording and progeny testing in Norway. (No) Nord. Jordbrugsforsk. 47(4):315-317. 1965. 11 N752
- 12404 POLY, J., and POUTOUS, M. Execution of milk control—is it a new method? (Ge) Tierzuechter 18(13):462-463. July 5,1966. 49 T445

- 12405 RADCLIFFE, J. C., and LIEBELT, M. A. Successful calf rearing pays off. *S. Australia J. Agr.* 69(12):462-466. July 1966. 23 So84
- 12406 ROOS, A. Various types of control and progeny testing systems. (Sw) *Nord. Jordbrugsforsk.* 47(4):311-313. 1965. 11 N752
Dairy cattle.
- 12407 VOGT-ROHLF, O., and HOLST, F. Problems of milk performance testing in the performance calculation on the basis of monthly controls. (Ge) *Tierzüchter* 18(13):459-461. July 5, 1966. 49 T445
- 12408 WOELFFER, E. A. In the Japanese show-ring. *Hoards Dairyman* 111(21):1297. Nov. 10, 1966. 44.8 H65
- DOGS AND CATS**
- Breeds and Breeding
- 12409 DEUTSCHER PUDEL KLUB. *Zuchtbuch* [Stud-book], 1965. Sinsheim, 1965. 284 p. 48.9 D483
- Feeds and Feeding
- 12410 LAUERMANN, C. Reports from the practice. I. Artificial young dog rearing with a milk exchange product. (Ge) *Prakt. Tierarzt* 47(9):433-434. Sept. 1, 1966. 41.8 P882
- 12411 PAYNE, P. R., SEAMER, J., and SHORT, D. J. A diet for laboratory cats. *Vet. Rec.* 79(2):35-37. July 9, 1966. 41.8 V641
- Veterinary Medicine
- 12412 ANLSEN, A. C., and GUTTMAN, P. Lung neoplasms in whole-body X-irradiated Beagles. *Int. Conf. Cancer. Proc.*, 3d Conf.:359-368. 1965, pub. 1966. SF605.15
Includes discussion.
- 12413 ANNIS, J. R. Differentiating the cause of the acute abdomen in the canine patient. *Mod. Vet. Pract.* 47(9):34-38. Aug. 1966. 41.8 N812
- 12414 BADURA, R., and others. Acid-alkaline balance in general anaesthesia of dogs. (Pol) *Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk.* Weter. 19:79-88. Ref. 1966. 41.9 B753
A. Modrakowski, B. Osinski, and J. Utzig, joint authors.
English summary.
In blood.
- 12415 BAKER, K. P. Postnatal development of the dog's skin. *Brit. Vet. J.* 122(8):344-347. Aug. 1966. 41.8 V643
- 12416 BARRON, C. N., and SAUNDERS, L. Z. Visceral larva migrans [*Toxocara canis*] in the dog. *Pathol. Vet.* 3(4):315-330. Ref. 1966. 41.8 P27
- 12417 BREAZILE, J. E., BLAUGH, B. S., and NAIL, N. Experimental study of canine distemper myoclonus. *Amer. J. Vet. Res.* 27(120):1375-1379. Ref. Sept. 1966. 41.8 Am3A
- 12418 BROWN, R. J., and HALSTEAD, J. R. High-altitude canine oxygen mask. *Amer. Vet. Med. Ass. J.* 149(7):953-954. Oct. 1, 1966. 41.8 Am3
- 12419 BURROWS, R. B., and LILLIS, W. G. Treatment of canine and feline tapeworm infections with bunamidine hydrochloride. *Amer. J. Vet. Res.* 27(120):1381-1384. Sept. 1966. 41.8 Am3A
- 12420 CALIFORNIA UNIVERSITY. SCHOOL OF VETERINARY MEDICINE. The effects of X-irradiation on work capacity and longevity of the dog, by A. C. Andersen. Davis, California, 1965. 137 p. 444.9 C122E
Beagles.
- 12421 CERETTO, F. Primary polymorphocellular sarcoma of the kidney in dog, with metastatic nodule in the liver. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:53-69. Ref. 1964. 41.9 T843
English summary.
- 12422 COHEN, D., REIF, J. S., and RHODES, W. H. Epidemiologic studies of lung cancer in dogs. *Int. Conf. Cancer. Proc.*, 3d Conf.:165-180. 1965, pub. 1966. SF605.15
Includes discussion.
- 12423 COLERIDGE, H., and COLERIDGE, J. C. G. Aorticopulmonary glomus tissue in the cat. *Nature [London]* 211(5054):1187. Sept. 10, 1966. 472 N21
- 12424 COLLINS, D. R. A simple obstetrical technic for assisting with fetal delivery [of dogs]. *Vet. Med./Small Anim. Clin.* 61(5):455-458. May 1966. 41.8 M69
- 12425 CRANDELL, R. A., and YORK, C. J. New feline viruses; a review of their designations and significance. *Can. J. Comp. Med. Vet. Sci.* 30(9):256-259. Ref. Sept. 1966. 41.8 C162
- 12426 DELLA ROSA, R. J., PETERSON, G., and GIELOW, F. Strontium-90 in Beagle hair. *Nature [London]* 211(5050):777-779. Aug. 13, 1966. 472 N21
- 12427 DOUGLAS, J. R., and BAKER, N. F. Some host-parasite relationships of canine helminths. *Biol. Colloq. [Proc.]*, 26th Annu. Colloq.:97-115. 1965, pub. 1966. 442.9 B524
Toxocara canis.
- 12428 DOWNEY, R. S., and LIPTRAP, R. M. An unusual congenital cardiac defect in a dog. *Can. Vet. J.* 7(10):233-238. Oct. 1966. 41.8 R3224
- 12429 ELLIS, H. R. The need for feline rabies vaccination. *Mod. Vet. Pract.* 47(9):46-47. Aug. 1966. 41.8 N812
- 12430 ETTINGER, S. J., and TASHJIAN, R. J. The how-to of electrocardiography. *Mod. Vet. Pract.* 47(11):34-36. Oct. 1966. 41.8 N812
Chiefly in dogs.
- 12431 FABIAN, G., and PREUSS, F. Measurements on the endometrium of the cat in the different phases of the oestrous cycle. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(4):337-351. Ref. June 1966. 41.8 Z5
English summary.
- 12432 FORBES, L. S. The efficiency of bunamidine hydrochloride against young *Echinococcus granulosus* infection in dogs. *Vet. Rec.* 79(11):306-307. Sept. 10, 1966. 41.8 V641
- 12433 FOX, M. W. Achondroplasia in the dog. *Mod. Vet. Pract.* 47(11):48-50. Oct. 1966. 41.8 N812
- 12434 GARG, S. P., and MOULTON, J. E. The effects of actinomycin D on cytopathologic changes and production of infectious canine hepatitis virus in vitro. *Amer. J. Vet. Res.* 27(120):1395-1403. Ref. Sept. 1966. 41.8 Am3A
- 12435 GARTNER, K. Renal phosphate and calcium excretion in chronic interstitial nephritis in the dog. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(4):289-301. Ref. June 1966. 41.8 Z5
English summary.
- 12436 GREVE, J. H., and LEONARD, P. O. Hepatic flukes (*Platynosomum concinnum*) in a cat from Illinois. *Amer. Vet. Med. Ass. J.* 149(4):418-420. Ref. Aug. 15, 1966. 41.8 Am3
- 12437 HUROY, L., ELLETT, E. W., and O'HARA, P. J. Bilateral hydronephrosis resulting from a transitional epithelial carcinoma in a dog. *Amer. Vet. Med. Ass. J.* 149(4):412-417. Ref. Aug. 15, 1966. 41.8 Am3
- 12438 KISELEVA, N. V. Dogs-carriers of intestinal adenoviruses, affiliated in antigenic respect to such viruses in man. (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 6:48-54. Ref. June 1966. 448.3 Z4
English summary.
- 12439 KLYUEVA, E. V., SEMENOVA, E. V., and SELIMOV, M. A. Diagnostic value of the fluorescent antibody method in rabies. (Rus) *Vop. Virusol.* 3:278-282. Ref. May/June 1966. 448.8 P942
English summary.
Dogs and guinea pigs.
- 12440 KNECHT, C. D. A brief survey of progesterone involvement in utero-ovarian disorders. *Ill. Vet.* 9(1):3-4, 6-10. Winter 1966. 41.8 IL62
Dogs and cats.
- 12441 KOSTNER, M. Anabolic steroid treatment in renal insufficiency. (Ge) *Tierarztl. Umsch.* 21(8):411-412. Aug. 1, 1966. 41.8 T445
Dogs; treatment with Anadur.
- 12442 LUCKE, V. M., and SUMNER-SMITH, G. Aortic embolism in the cat. *Vet. Rec.* 79(8):236-239. Aug. 20, 1966. 41.8 V641
Treated by surgery.

- 12443 MALLO, G. L. Cutaneous manifestations of canine hypothyroidism. Iowa State Univ. Vet. 28(1):4-6. Ref. 1966. 41.8 V6425
- 12444 MCKELVIE, D. H., POWERS, S., and MCKIM, F. Microanalytical procedures for blood chemistry long-term study on Beagles. Amer. J. Vet. Res. 27(120):1405-1412. Ref. Sept. 1966. 41.8 Am3A
- 12445 MERZ, O. The use of K.-H.-3 geriatricum in veterinary medicine. (Ge) Prakt. Tierarzt 47(9):433. Sept. 1, 1966. 41.8 P882
- 12446 MODERN VETERINARY PRACTICE. Our panel reports: what, in your experience, is the common cause(s) for persistent, bilateral prolapse of the membrana nictitans in the cat? How do you treat this condition when it occurs in the apparent absence of any other ocular disease? Mod. Vet. Pract. 47(11):43-44. Oct. 1966. 41.8 N812
- Members: D. J. Vincent, T. R. DeGeer, J. V. Ferries, M. A. Jaffe, H. L. Guilbert, V. T. Oliver, H. H. Bond, V. L. Broussard, and H. Fisherman.
- 12447 MODERN VETERINARY PRACTICE. Panel report: what chemical poisonings (not including commonly used therapeutic agents) do you see in dogs most frequently? How are the cases diagnosed and have you been able to treat them successfully? Mod. Vet. Pract. 47(9):48-50. Aug. 1966. 41.8 N812
- Members: E. W. Stanton, R. E. Drew, R. J. Keough, D. Fitzpatrick, B. Marks, R. A. Meeks, J. D. Prewitt, and R. G. North.
- 12448 MUELLER, J. F. Host-parasite relationships as illustrated by the cestode *Spirometra mansoniensis*. Biol. Colloq. [Proc.], 26th Annu. Colloq.:15-58. Ref. 1965, pub. 1966. 442.9 B524 Especially cats.
- 12449 NAGARAJAN, V. V., and GANAPATHY, M. S. Studies on experimental nephritis in canines. Indian Vet. J. 43(6):698-706. Aug. 1966. 41.8 In2
- 12450 NAGODE, L. A., FRAJOLA, W. J., and LOEB, W. F. Enzyme activities of canine tissues. Amer. J. Vet. Res. 27(120):1385-1393. Ref. Sept. 1966. 41.8 Am3A
- 12451 NEWBERNE, P. M., RUSSO, R., and WOGAN, G. N. Acute toxicity of aflatoxin B₁ in the dog. Pathol. Vet. 3(4):331-340. Ref. 1966. 41.8 P27
- 12452 NIELSEN, S. W. Spontaneous canine pulmonary tumors. Int. Conf. Cancer. Proc., 3d Conf.: 151-164. Ref. 1965, pub. 1966. SF605.15 Includes discussion.
- 12453 NITSCHKE, T. The existence of a deep vein in the glans penis in the dog. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(5):474-476. July 1966. 41.8 Z5
- English summary.
- 12454 OTT, G. L. Hamster cell culture rabies vaccine. Vet. Med./Small Anim. Clin. 61(5):452-454. May 1966. 41.8 M69
- For use in dogs and cats.
- 12455 OYRZANOWSKA-POPLEWSKA, J. Complement fixation test in differential diagnosis of canine distemper and Rubarth's disease in dogs and foxes. (Pol) Pol. Arch. Weter. 9(1): 1-26. Ref. 1965. 41.8 P76
- English summary.
- 12456 PARK, J. F., CLARKE, W. J., and BAIR, W. J. Plutonium particle-induced neoplasia of the canine lung. I-II. Int. Conf. Cancer. Proc., 3d Conf.:331-355. Ref. 1965, pub. 1966. SF605.15
- Discussion, p.356-357.
- 12457 PARTHASARATHY, K. R., and CHANDRASEKHARAN, K. P. Fibrosarcoma associated with *Spirocerca lupi* infection in a dog. Indian Vet. J. 43(7):580-582. July 1966. 41.8 In2
- 12458 POZZI, L. The use of anabolizing steroids in the treatment of fractures in domestic animals of middle and small size. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:71-97. Ref. 1964. 41.9 T843
- English summary.
- Chiefly dogs and cats.
- 12459 PUTNAM, R. W. Occurrence of estrus in an ovariectomized cat. Can. Vet. J. 7(7): 155. July 1966. 41.8 R3224
- 12460 ROTTENBACHER, H., and SHIGLEY, R. F. Adrenocortical apoplexy in a dog. Amer. Vet. Med. Ass. J. 149(4):406-411. Ref. Aug. 15, 1966. 41.8 Am3
- 12461 SAGLAM, M. Functional microstructure of the inner ear muscles of dog (musculus tensor tympani and m. stapedius). (Ge) Zentralbl. Veterinarmed. Reihe A, 13(4):356-368. Ref. June 1966. 41.8 Z5
- English summary.
- 12462 SEEMANN, C. W. Repair of radial fractures in small dogs. Mod. Vet. Pract. 47(11):48. Oct. 1966. 41.8 N812
- By pinning.
- 12463 SERAFINI-FRACASSINI, A., and VOLPIN, D. Some features of the vascularization of the carotid body in the dog. Acta Anat. 63(4):571-579. 1966. 444.8 Ac82
- 12464 SKOPAKOFF, C. New observations on the effect of disturbed innervation and blood supply on the teeth of dogs. (Ge) Wien. Tierarztl. Monatsschr. 53(8):523-528. Aug. 1966. 41.8 T345
- English summary.
- 12465 SMITH, M. J. Efficacy of furazolidone in the treatment of topical bacterial infections in dogs. Vet. Med./Small Anim. Clin. 61(5):459-462. Ref. May 1966. 41.8 M69
- 12466 SOBIESZEK, A. A study on cortical spindle activity in dog. Two types of recovery of electrocortical activity after electric silence provoked by asphyxia. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(6):447-450. 1966. 512 W262
- 12467 SOLIMAN, M. K., EL AMROUSI, S., and KHAMIS, M. Y. Some aspects of anaesthesia in the dog. Zentralbl. Veterinarmed. Reihe A, 13(5):410-413. Ref. July 1966. 41.8 Z5
- Application of Ro 5-2807 and Baytanal.
- 12468 STAVROU, D. Colon carcinoma of a dog. (Ge) Wien. Tierarztl. Monatsschr. 53(7):449-453. Ref. July 1966. 41.8 T345
- English summary.
- 12469 STUNZI, H. The histopathology of feline lung cancer. Int. Conf. Cancer. Proc., 3d Conf.: 181-188. 1965, pub. 1966. SF605.15
- 12470 SUZUKI, T., and others. Anaphylactic shock and the secretion of adrenal 17-hydroxycorticosteroid in the dog. Nature [London] 211(5054): 1185-1186. Sept. 10, 1966. 472 N21
- K. Hirai, K. Otsuka, H. Matsui, and S. Ohukuzi, joint authors.
- 12471 SYMPOSIUM ON LIMB FRACTURES IN THE DOG AND CAT. [Papers, I-VI]. J. Small Anim. Pract. 7(2):135-139, 141-175. Ref. Feb. 1966. 41.8 J8292
- Contributors: N. R. Turnbull, L. C. Vaughan, H. E. Carter, A. N. Ormrod, W. B. Singleton, and J. Hickman.
- 12472 TEUNISSEN, G., and BLOCK-SCHURING, P. Diabetes mellitus of dog and cat. (Ge) Schweiz. Arch. Tierheilk. 108(6):409-427. Aug. 1966. 41.8 Sch9
- English summary.
- 12473 TONUMA, E. Some ataractic drugs as adjuvants to thiopental sodium anesthesia in small animals. Can. Vet. J. 7(6):128-131. Ref. June 1966. 41.8 R3224
- Chiefly dogs and cats.
- 12474 VOIGT, A., DIETZ, O., and SCHMIDT, V. Clinical and experimental investigations on the etiology of keratitis superficialis chronica (Überreiter). (Ge) Arch. Exp. Veterinarmed. 20(2):259-274. Ref. Apr. 1966. 41.8 Ex7
- Dogs.

Miscellaneous

- 12475 BOHN, H., MOLTZEN, H., and SASS, H. The arrangement and placement of houses and runs for dogs. (Da) Danske Dyrlægefor. Med. llemsbl. 49(16):76-83. Aug. 15, 1966. 41.9 D23
- 12476 MCCUSTION, W. R. Coprophagy: a quest for digestive enzymes. Vet. Med./Small Anim. Clin. 61(5):445-447. May 1966. 41.8 M69
- Chiefly in dogs and cats.

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 12477 ADAMS, C. E., and DOTT, H. M. Fur animals and rodents. (Ge) Tierzuchter 18(20):709-710. Oct. 20, 1966. 49 T445
Artificial insemination.
- 12479 JOHANSSON, I. Some results from the examination of newborn litter from Jet Black mink. (Sw) Vara Palsdjur 37(6):326. Aug. 15, 1966. 410 V42
Crossbred with Standard mink.

Feeds and Feeding

- 12479 AHMAN, G. Energy valuation of feed for mink. (Swe) Nord. Jordbrugsforsk. 47(4):276-279. 1965. 11 N752
Includes discussion.
- 12480 AULERICH, R. J., and SCHAIBLE, P. J. Now you can feed "spent" chickens. Nat. Fur News 38(9):16. Oct. 1966. 412.628 R59
- 12481 BEDNARZ, M., and others. Investigations on the nutritional value and the digestibility of mixed plant fodder meal in feeding minks. I. (Pol) Roczn. Nauk Roln. 87-B-2:275-289. Ref. 1965. 20.5 R59
K. Jakutowicz, M. Lewicka, and B. Slawinski, joint authors.
English summary.
- 12482 BOBROV, E. P. On new methods of supplementing rations of fur-bearing animals with trace elements and antibiotics. (Rus) Latv. PSR Zinat. Akad. Vestis 7:85-91. 1966. 511 R442
English summary.
Minks.
- 12483 CARLVANT, T. Some reflections on cooperative kitchen, its size and placement. (Sw) Vara Palsdjur 37(8):332, 337-338, 341-342, map. Aug. 15, 1966. 410 V42
Mink feeding.
- 12484 HELGEBOSTAD, A. How various fats in feed can influence fur quality. (No) Nord. Jordbrugsforsk. 47(4):364-365. 1965. 11 N752
Fox.
- 12485 KIRK, R. J., and ROBERTS, W. K. How dry meals affect growth and digestibility. Nat. Fur News 38(9):14-15, 28. Oct. 1966. 412.628 R59
Includes formulas.
- 12486 LALOR, R. J. Diet and fur growth. Nat. Fur News 38(9):11, 37. Oct. 1966. 412.628 R59
Minks.
- 12487 LEOSCHKE, W. L. Protein biological values area of many unknowns. Amer. Fur Breeder 39(11):20, 36. Nov. 1966. 410 Am33
In mink nutrition.
- 12488 MCCARTHY, B., and others. Pantothenic acid deficiency in the mink. J. Nutr. 89(4):392-398. Ref. Aug. 1966. 389.8 J82
H. F. Travis, L. Krook, and R. G. Warner, joint authors.
- 12489 VINOGRADOV, V. V. The reeds of the Akh-ghej lakes, their yields and significance for nutria raising. (Rus) Bot. Zhur. [Moscow] 51 (2):269-273. Feb. 1966. 451 R923

Veterinary Medicine

- 12490 BIEGUSZEWSKI, H. Protein metabolism in fur-bearing carnivore animals. I. (Pol) Roczn. Nauk Roln. 88-B-3:349-357. Ref. 1966. 20.5 R59
English summary.
Includes minks.
- 12491 BURGER, D., and HARTSOUGH, G. R. A "scrapie"-like disease of mink. U. S. Agr. Res. Serv. ARS 91-53:225-227. 1964, pub. 1966. A41.9 R315Ar
Includes discussion.
- 12492 CHWALIBOG, J., and URBANSKI, M. A case of infection with *Corynebacterium pyogenes* in a chinchilla. (Pol) Med. Weter. 22(6):371. June 1966. 41.8 M463

- 12493 GREENLEE, H. H. Ask the vet. Empress Chinchilla 22(6,i.e.5):26-27. May 1966. 412.628 N21
For disease control.
- 12494 GUNN, C. K. Wet belly disease in ranch bred mink. Amer. Fur Breeder 39(11):16-17, 36. Nov. 1966. 410 Am33
- 12495 HELGEBOSTAD, A. Anemia in standard mink and mutation mink; preliminary report. Nord. Veterinaarmed. 18(7/8):347-350. July/Aug. 1966. 41.8 N813
- 12496 HELGEBOSTAD, A. Anemia of standard and mutation mink. (No) Norsk Pelsdyrbl. 40(17):417-419. Sept. 5, 1966. 412.628 N812
- 12497 HELGEBOSTAD, A. Continued studies on deficiency anemia of mink during pregnancy and lactation. (No) Norsk Pelsdyrbl. 40(19):451-458. Oct. 5, 1966. 412.628 N812
- 12498 HENSON, J. B., and others. The sequential development of lesions in spontaneous Aleutian disease of mink. Pathol. Vet. 3(4):289-314. Ref. 1966. 41.8 P27
R. W. Leader, J. R. Gorham, and G. A. Padgett, joint authors.
- 12499 HLOND, S. Bovine tuberculosis bacilli in minks. (Pol) Roczn. Nauk Roln. 87-B-2:291-297. 1965. 20.5 R59
- 12500 KULL, K. E. Virus enteritis in Sweden. (Sw) Vara Palsdjur 37(8):331. Aug. 15, 1966. 410 V42
Minks.
- 12501 MURTI, G. S., COLES, E. H., and TWIEHAUS, M. J. Pathology of *Leptospira pomona* infection in the chinchilla (*Chinchilla laniger*). Amer. J. Vet. Res. 27(120):1437-1445. Ref. Sept. 1966. 41.8 Am3A
- 12502 RAMISZ, A., and ZWIERZCHOWSKI, J. The course and treatment of *Toxocara canis* in young Arctic foxes (*Alopex lagopus*) in fox-farm conditions. (Pol) Med. Weter. 22(4):204-208. Ref. Apr. 1966. 41.8 M463
English summary.
- 12503 STAMPA, S., and HOBSON, N. K. Control of some internal parasites of chinchillas. Amer. Vet. Med. Ass. J. 149(7):929-932. Oct. 1, 1966. 41.8 Am3
- 12504 TRAUTWEIN, G. W., and HELMBOLDT, C. F. Mastitis in mink due to *Staphylococcus aureus* and *Escherichia coli*. Amer. Vet. Med. Ass. J. 149(7):924-928. Ref. Oct. 1, 1966. 41.8 Am3
- 12505 TSIGALIDOU, V., SIMOTAS, A. G., and FASOULAS, A. Chromosomes of the coypu. Nature [London] 211(5052):994-995. Aug. 27, 1966. 472 N21
- 12506 WILCZYNSKI, M., and others. A case of poisoning with botulin toxin type C in minks. (Pol) Med. Weter. 22(6):354-356. Ref. June 1966. 41.8 M463
W. Owsięczuk, A. Olszewski, and W. Szymajda, joint authors.
- 12507 WILLIAMS, R. C., RUSSELL, J. D., and KENYON, A. J. Anti-gamma-globulin factors and immunofluorescent studies in normal mink and mink with Aleutian disease. Amer. J. Vet. Res. 27(120):1447-1454. Ref. Sept. 1966. 41.8 Am3A

Miscellaneous

- 12508 LARSON, M. R. High humidity—friend or foe? Empress Chinchilla 22(12):10-11. Nov. 1966. 412.628 N21
In chinchilla housing.
- 12509 QVIST, A. Pelting of mink. (Sw) Dansk Pelsdyravsl. 29(10):512-514, 517-520, 523-526. Oct. 20, 1966. 412.628 D23

HORSES AND MULESBreeds and Breeding

- 12510 AUSTRALIAN JOCKEY CLUB. The Australian stud book. Vol. 27. Sydney, 1966. 1167 p. 42.9 Au7
Victoria Racing Club, cooperating.

- 12511 BIELANSKI, W. Horses. (Ge) Tierzuchter 18 (20):704-707. Oct.20,1966. 49 T445 Artificial insemination.
- 12512 BORMANN, P. Comparison between the handicap weight and timing as measures of selection in Thoroughbred breeding. (Ge) Zuchtungskunde 38(7):301-310. Aug./Sept.1966. 49 Z8 English summary.
- 12513 BRZESKI, E., and KUROWSKI, S. Investigations on the development of horses. II. The "Poznan" horse. (Pol) Krakow, Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 6:21-32. Ref., map. 1965. 49.9 K852 English summary.
- 12514 CHACHULA, J. The Lowicz type horse formation process on the background of local breeding conditions. (Pol) Roczn. Nauk Roln. 87-B-2:191-216, map. Ref. 1965. 20.5 R59 English summary.
- 12515 ENSMINGER, E. M. Breeding horses in the United States. Veterinarian [Oxford] 41(1):47-55. June 1966. 41.8 V6467
- 12516 GRABOWSKI, J. Specific features and characteristics of raising Thoroughbred horses in Poland. (Pol) (Condensed.) Med. Weter. 22 (4):233-235. Apr.1966. 41.8 M463
- 12517 HADI, M. A. Studies on efficiency of reproduction in Indian stable horses. Indian Vet. J. 43 (8):721-726. Ref. Aug.1966. 41.8 I2
- 12518 KOWNACKI, M. Evaluation of the degree of inbreeding and relationship in certain breeds of horses, and the effect of inbreeding upon utility value of the horses. II. Roczn. Nauk Roln. 86-B-1:133-145. Ref. 1965. 20.5 R59
- 12519 MACWILLIAM, R. Progress of the Paso Fino. West. Horseman 31(11):32,100. Nov.1966. 42.8 W522
- 12520 MARCENAC, N. Feeding of the Blood Horse; influence of soil. (Fr) Rev. Elevage 21(8/9):57-58,61. (Cont.) Aug./Sept.1966. 49 B462 Soil-plant-animal relations in pasturing horses.
- 12521 SASIMOWSKI, E., and BUDZYNSKI, M. Measurement standards of horses of the malopolski type on an example of material qualified for the first volume of the studbook. (Pol) Roczn. Nauk Roln. 85-B-4:591-607. Ref. 1965. 20.5 R59 English summary.
- 12522 THOROUGHBRED BREEDERS' ASSOCIATION. Fiftieth annual report (1966). London, 1966. 16 p. 42.9 T39A
- 12523 THOROUGHBRED BREEDERS' ASSOCIATION. Statistical abstract 1966. London, 1966. 153 p. 42.9 T39S
- 12524 VARO, M. The correlation of traits in breeding horses: the mares. (Ge) Ann. Agr. Fenn. 5(2):100-113. 1966. 20 An7
- 12525 WALLIS, K. P. The breeding of sporting horses in Great Britain. (Ge) Tierzuchter 18 (19):660-663. Oct.5,1966. 49 T445 Includes discussion by C. Freiherr von Stenglin, Kiel, and J. Nissen.
- Feeds and Feeding
- 12526 ENSMINGER, E. M. Feeding horses in the United States. Veterinarian [Oxford] 41(1):41-46. June 1966. 41.8 V6467
- 12527 ZOLKIEWSKI, A. A critical analysis of fodder requirement and fodder utilization in Poznan halfbred horses farms. (Pol) Roczn. Nauk Roln. 87-B-2:223-229. Ref. 1965. 20.5 R59 English summary.
- Veterinary Medicine
- 12528 AUGUSTYNOWICZ, L., and others. The stimulating action of "Ferodex-Polfa" on erythropoiesis in foals. (Pol) Med. Weter. 22(6):353-354. June 1966. 41.8 M463 W. Malinowski, K. Pawlowski, and W. Staniewicz, joint authors.
- 12539 BADURA, R., and others. Gaseous exchange in the course of halothane anaesthesia of horses. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter. 19:69-77. Ref. 1966. 41.9 B753 A. Modrakowski, B. Osinski, and J. Utzig, joint authors. English summary.
- 12540 BOHN, F. K., and ZOLLER, A. Findings in a polytopic ventricle extrasystolia in a horse. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(16):307-309. Aug.15,1966. 41.8 B45 English summary.
- 12541 CHANNING, C. P. Progesterone biosynthesis by equine granulosa cells growing in tissue culture. Nature [London] 210(5042):1266. Ref. June 18,1966. 472 N21
- 12542 DANIELI, Y., and MAESTRO, M. Calcification of the superficial digital flexor tendon in a mule. Refuah Vet. 23(1):53. Mar.1966. 41.8 R25 Text also in Hebrew.
- 12543 DEBOUT, L. The mammals which belong to us. (Fr) Natur. Belg. 47(7):354-364. Aug./Sept.1966. 410.9 N21 The horse, its anatomy and history.
- 12544 DORSEN, C. A. VAN. Vaccination against equine influenza. (Do) Tijdschr. Diergeneesk. 91(11):112-113. Sept.1,1966. 41.8 T431 With reference to article by H. A. E. van Tongeren.
- 12545 ENGEL, R. E., CARTWRIGHT, S., and SPURRELL, F. A. Classification of circulating leukocytes in the normal Mexican burro. Amer. J. Vet. Res. 27(120):1478-1484. Ref. Sept. 1966. 41.8 Am3A
- 12546 GANOWICZ, M. Relation between intensity of exterior estrus symptoms, maturation of the graafian follicle and infection of the genital tract in mares during the copulation season. (Pol) Acta Agr. Silvestria. Ser. Zootech. 5:53-87. Ref. 1965. 49 Ac8 English summary.
- 12547 HARRIS, K. Surgical relief of colic in an equine—a case report. Iowa State Univ. Vet. 28(1):27-29. 1966. 41.8 V8425
- 12548 HEARN, H. J. Chronic infection of mammalian cells with VEE [Venezuelan equine encephalomyelitis] virus. U. S. Agr. Res. Serv. ARS 91-53:148-152. Ref. 1964, pub. 1966. A41.9 R315Ar Includes discussion.
- 12549 JOHNSON, A. W. Equine infectious anaemia; an annotation. Vet. Bull. 36(8):465-469. Aug. 1966. 41.8 T752 -Review of the literature.
- 12550 KUBITZA, G. Therapy of degenerative joint diseases of horses and dogs. (Ge) Tierarztl. Umsch. 21(8):402,407-408. Aug.1,1966. 41.8 T445 With Arterapon.
- 12551 LACHOWICZ, S. Lesions of the flexor tendons of the 3rd phalanx in horses studied by means of radiography. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter. 19:47-68. Ref. 1966. 41.9 B753 English summary.
- 12552 LAURIE, J. Equine wobbler syndrome—a case report. Iowa State Univ. Vet. 28(1):25-27. 1966. 41.8 V6425
- 12553 LEEMANN, W., ALMASY, F., and CONSTAM, G. R. Disturbance of zinc metabolism in a diabetic horse and a dog made diabetic with Alloxan. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(5):392-404. Ref. July 1966. 41.8 Z5 English summary.
- 12554 MALINOWSKA, A., and TOMICKI, Z. Activity of L-leucine aminopeptidase in the serum of healthy horses. (Pol) Pol. Arch. Weter. 9(1):155-163. Ref. 1965. 41.8 P76 English summary.
- 12555 MARKIEWICZ, K. Liver function in horses used for immune serum production. (Pol) Pol. Arch. Weter. 8(4):651-683. Ref. 1965. 41.8 P76 English summary. Chiefly against tetanus.

- 12556 MAROLT, J., CVETNIC, S., and MOLAN, M. Hemagglutination-inhibiting (HAI) antibodies against myxovirus para-influenza 3 (PI 3) in the serum of horses and cattle with periodic ophthalmia. (Ge) Deut. Tierarztl. Wochenschr 73(16):390-392. Ref. Aug. 15, 1966, 41.8 D482 English summary.
- 12557 MARTINEZ GOMEZ, F. Tridontophorus brochitubulatus n. sp. (Nematoda, Strongylinae) a new parasite of the horse. (Sp) Arch. Zootec., 15(58):164-173. Ref. Apr./June 1966, 49 Ar22 Intestinal worms.
- 12558 MILLER, R. M. Tranquilizing horses. West. Horseman 31(11):98,181. Nov.1966, 42.8 W522
- 12559 MISDORP, W. Leucosis of the horse. (Fl) Vlaams Diergeneesk. Tijdschr. 35(9/10):380-387. Ref. Sept./Oct.1966, 41.8 V84
- 12560 MONTGOMERY, MRS. R. H. Report on allergy heaves. West. Horseman 31(11):66,149-153. Nov.1966, 42.8 W522 Includes treatment.
- 12561 OLSEN, R. E., and PHILLIPS, T. N. Effects of phenothiazine and carbon disulfide on liver function in the horse. Amer. Vet. Med. Ass. J. 149(4):400-401. Aug.15,1966, 41.8 Am3 Used for gastrointestinal parasite control.
- 12562 PEREZ CATAN, E., and ROCCO, M. DI. Dermatitis contagiosa a Dermatophilus congolensis in equinos [Contagious dermatitis due to Dermatophilus congolensis in horses]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 2(12):161-171. 1965, 41.8 R3227 English summary.
- 12563 PODLIACHOUK, L., KAMINSKI, M., and DABOZ, Z. Blood groups and serum components in donkeys. (Fr) Ann. Biol. Anim. Biochim. Biophys. 5(4):445-450. Ref. 1965, 44.8 An75 English summary.
- 12564 RADOMINSKI, W. Investigations on the differential diagnosis of the equine infectious anaemia and leptospirosis of horses. (Pol) Pol. Arch. Weter. 9(2):389-406. Ref. 1965, 41.8 P76 English summary.
- 12565 SCHNEIDER, R. Intrinsic formation of enamel types in the teeth of the Equidae. (Ge) Zool. Anz. 176(2):71-97. Ref. Feb.1966, 41.0 Z7 Includes domestic horse.
- 12566 SZELIGOWSKI, E. Effects of duration and activity of burns-causing factor on the intensity of tissue lesions. (Pol) Pol. Arch. Weter. 8(4):755-762. Ref. 1965, 41.8 P76 English summary. In horses.
- 12567 TASKER, J. B., WHITEMAN, C. E., and MARTIN, B. R. Diabetes mellitus in the horse. Amer. Vet. Med. Ass. J. 149(4):393-399. Ref. Aug.15,1966, 41.8 Am3
- 12568 VERTER, W., MIX, H., and MULLER, J. Changes of cell values and some biochemical data of blood in sporting horses at walk, trot and at gallop. (Ge) Arch. Exp. Veterinarmed. 20(2):417-426. Ref. Apr.1966, 41.8 Ex7
- 12569 ZAKOPAL, J., and OULEHLA, J. The estimation of the photoelectric counter for blood cells and microhematocrit "Prema" and suitability of the cyanhemoglobin method for the study of animal blood. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 1:19-34. Ref. 1966, 105.92 B833 English summary. Horses.
- 12570 ZWOLINSKI, J. Remarks on the subject of serological conflict in horses. (Pol) Med. Weter. 22(4):235-236. Apr.1966, 41.8 M463
- Miscellaneous
- 12571 HUFF, A. N., and REYNOLDS, J. A. Horses—vehicle for education; the horse program is the common interest through which 3,000 Virginia youths pursue the greater benefits of 4-H personal development. Ext. Serv. Rev. 37(9):8-9. Sept.1966, 1 Ex892Ex
- 12572 KELLER, A. E. Baker County mounted posse. West. Horseman 31(11):87,179-180. Nov.1966, 42.8 W522 Oregon.
- 12573 KING, C. Handling steers: a good header makes a good heeler. West. Horseman 31(11):62-63,130,132-133. Nov.1966, 42.8 W522
- 12574 KLETTE, B. Policemen on horseback. West. Horseman 31(11):88-89,144-145. Nov.1966, 42.8 W522 San Francisco, California.
- 12575 KOWNACKI, M. Changes in ability of horses to show maximum draft force. Roczn. Nauk Roln. 85-B-2:313-322. Ref. 1965, 20.5 R59 Includes methods for measuring their force.
- 12576 SASIMOWSKI, E. New method of measuring pace length in draft horses. (Pol) Roczn. Nauk Roln. 88-B-3:341-348. Ref. 1966, 20.5 R59 English summary.
- LABORATORY ANIMALS, SMALL
- Breeds and Breeding
- 12577 BENTVELZEN, P. A. J., and SZALAY, G. Some genetic aspects of differences in susceptibility to the development of lung tumours between inbred strains of mice. Int. Conf. Cancer. Proc., 3d Conf.:835-844. Ref. 1965, pub. 1966, SF605.15 Includes discussion.
- 12578 INO, T. Relations between the number of corpora lutea of pregnancy, the number of fetuses, and the litter size of inbred strains and reciprocal hybrids in mice. Tokyo. Nat. Inst. Anim. Health Quart. 6(3):178-183. Fall 1966, 41.9 T575Q
- 12579 JOHNSON, F. N., and STRONG, L. C. Inbreeding, spontaneous lung tumors, and maternal age selection in mice. Int. Conf. Cancer. Proc., 3d Conf.:257-272. Ref. 1965, pub. 1966, SF605.15
- 12580 VENGE, O. Selection experiments with mice. (Da) Nord. Jordbrugsforsk. 47(4):299-303. 1965, 11 N752
- Feeds and Feeding
- 12581 COSTA, J. A. Lab animals provide feed potential. Feedstuffs 38(42):32. Oct.22,1966, 286.81 F322 Includes formulas.
- 12582 ERICHSEN, S. Norwegian standard stock diets for laboratory animals. (No) Nord. Veterinaarmed. 18(9):417-420. Sept.1966, 41.8 N813 English summary.
- 12583 MUNCK, L. Effects on mice of feeding with sprouted grain. (Sw) Nord. Jordbrugsforsk. 47(4):352-354. 1965, 11 N752 Effects on growth.
- Veterinary Medicine
- 12584 ARMSTRONG, B. K., and SOFTLY, A. Prevention of coprophagy in the rat, a new method. Brit. J. Nutr. 20(3):595-598. Ref. 1966, 389.8 B773 Possible cause of variable in nutrition studies.
- 12585 BALO, J. Lung tumours in laboratory animals indicating the tumour-promoting property of some drugs. Int. Conf. Cancer. Proc., 3d Conf.:623-636. Ref. 1965, pub.1966, SF605.15 Includes discussion.
- 12586 BARNECKI, W., and SLOWIK, J. Fixation of blood smears in Gomori's method and the incidence of alkaline phosphatase reactions of neutrocytes in white rats. (Pol) Wrocław. Wyzsza Szkoła Roln. Zeszyty Nauk, Weter. 19: 153-160. Ref. 1966, 41.9 B753 English summary.

- 12587 BATHER, R., FERGUSON, A. M., and LEONARD, A. Oncogenicity of Brysan stain Rous sarcoma virus for rodents. *Nature* [London] 211(5051):826-827. Ref. Aug. 20, 1966. 472 N21
Tested in mice.
- 12588 BIANCIFIORI, C., and others. Histogenesis of pulmonary tumours by hydrazine sulphate in BALB/c/Cb/Se substrain mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:881-895. Ref. 1965, pub. 1966. SF605.15
F. E. Giornelli-Santilli, U. Milia, and E. Bucciarelli, joint authors.
Includes discussion.
- 12589 BOERYD, B., and MELLGREN, J. Influence of blood clotting on pulmonary metastases of malignant tumors in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:933-939. 1965, pub. 1966. SF605.15
Includes discussion.
- 12590 BOYLAND, E. The biochemical mechanism of action of urethane. *Int. Conf. Cancer. Proc.*, 3d Conf.:799-802. Ref. 1965, pub. 1966. SF605.15
Carcinogenic to laboratory animals.
- 12591 BUBIEN, Z., and WARTENBERG, L. An attempt to use helienne in the treatment of experimental trichinellosis of guinea pigs. (Pol) *Wroclaw. Wyssza Szkoła Roln. Zeszyty Nauk. Weter.* 19:131-139. Ref. 1966. 41,9 B753
English summary.
- 12592 CLAYSON, D. B., and others. The induction of pulmonary tumours in BALB/c/Cb/Se mice by derivatives of hydrazine. *Int. Conf. Cancer. Proc.*, 3d Conf.:869-880. Ref. 1965, pub. 1966. SF605.15
C. Biancifiiori, U. Milia, and F. E. Giornelli-Santilli, joint authors.
Includes discussion.
- 12593 CRAWFORD, L. V. A minute virus of mice. *Virology* 29(4):605-612. Ref. Aug. 1966. 448.8 V81
- 12594 CROCKER, T. T., and NIELSEN, B. I. Effect of carcinogenic hydrocarbons on suckling rat trachea in living animals and in organ cultures. *Int. Conf. Cancer. Proc.*, 3d Conf.:765-787. 1965, pub. 1966. SF605.15
Includes discussion.
- 12595 CZERPAK, R. The effect of solganal B on the number of larvae of *Trichinella spiralis* Owen 1835. (Pol) *Med. Weter.* 22(6):331-333. Ref. June 1966. 41,8 M463
Tests with rats.
- 12596 DARBYSHIRE, J. H. Oncogenicity of bovine adenovirus type 3 in hamsters. *Nature* [London] 211(5044):102. July 2, 1966. 472 N21
- 12597 DICKINSON, A. G., and MACKAY, J. M. K. Genetical control of the incubation period in mice of the neurological disease, scrapie. *U. S. Agr. Res. Serv. ARS* 91-53:253-256. 1964, pub. 1966. A41.9 R315Ar
Includes discussion.
- 12598 DICKINSON, A. G., MACKAY, J. M. K., and ZLOTNIK, I. Transmission by contact of scrapie in mice. *U. S. Agr. Res. Serv. ARS* 91-53:259-263. 1964, pub. 1966. A41.9 R315Ar
From sheep.
Includes discussion.
- 12599 DONTENWILL, W., and WIEBECKE, B. Autoradiographic studies during experimental carcinogenesis of the respiratory tract of the golden hamster induced by diethylnitrosamine. *Int. Conf. Cancer. Proc.*, 3d Conf.:709-715. 1965, pub. 1966. SF605.15
- 12600 EKLUND, C. M., KENNEDY, R. C., and HADLOW, W. J. Evolution of scrapie virus infection in mice. *U. S. Agr. Res. Serv. ARS* 91-53:288-291. 1964, pub. 1966. A41.9 R315Ar
- 12601 FARNELL, D. R. Herniation of the seminal vesicles into the scrotum of the guinea pig. *Amer. Vet. Med. Ass. J.* 149(7):933-934. Oct. 1, 1966. 41,8 Am3
- 12602 GIBBS, G. J., GAJDUSEK, D. C., and MORRIS, J. A. Further observations in mice following inoculation of scrapie goat and sheep brain material. *U. S. Agr. Res. Serv. ARS* 91-53:292-298. 1964, pub. 1966. A41.9 R315Ar
Includes discussion.
- 12603 GREENBERG, S. R. The use of combined inhalation anesthesia in laboratory animal surgery. *Amer. Vet. Med. Ass. J.* 149(7):935-937. Oct. 1, 1966. 41,8 Am3
- 12604 GROSSBARD, L., WEKSLER, M., and SCHIMMEL, R. T. Electrophoretic properties and tissue distribution of multiple forms of hexokinase in various mammalian species. *Biochem. Biophys. Res. Commun.* 24(1):32-38. Ref. July 6, 1966. 442,8 B5236
Laboratory animals and cows.
- 12605 HESTON, W. E. The genetic aspects of lung tumors in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:XLIII-LVI. Ref. 1965, pub. 1966. SF605.15
- 12606 HOCH-IGETI, C. Enzyme studies of the lung of rats during pulmonary carcinogenesis by nitrosamine derivatives. *Int. Conf. Cancer. Proc.*, 3d Conf.:695-708. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 12607 HOLMAN, J., and SCHANZEL, H. Histochemistry of the acid phosphatases in the muscles of guinea pigs experimentally infected with the larvae of *Trichinella spiralis*. (Ge) *Brno. Vysoka Sk. Zemedel. Sb. Rada B. Spisy Fak. Vet.* 1:73-76. Ref. 1966. 105,92 B833
- 12608 JARRETT, E. E. E., JARRETT, W. F. H., and URQUHART, G. M. Immunological unresponsiveness in adult rats to the nematode *Nippostrongylus brasiliensis* induced by infection in early life. *Nature* [London] 211(5055):1310-1311. Ref. Sept. 17, 1966. 472 N21
- 12609 JUSZKIEWICZ, T., and others. Effects of geriocaine, novocaine, and panodine on some biological and chemical parameters in young and old rats, and in rats exposed to stress conditions. (Pol) *Pol. Arch. Weter.* 9(2):335-354. Ref. 1965. 41,8 P76
Z. Madejski, B. Stefaniak, and S. Patyra, joint authors.
English summary.
- 12610 KAMYSZEK, F. Treatment of fungal disease in guinea pigs. (Pol) *Med. Weter.* 22(6):338-340. June 1966. 41,8 M463
Chellifungin, Mycochlorin and undecylenic acid used for ringworm.
- 12611 KENYON, A. J., and others. Aleutian disease in the ferret. *Amer. Vet. Med. Ass. J.* 149(7):920-923. Oct. 1, 1966. 41,8 Am3
T. Magnano, C. F. Helmboldt, and L. Buks, joint authors.
- 12612 KINOSITA, R., and TANAKA, T. Induction of lung carcinoma by 4-nitroquinoline N-oxide. *Int. Conf. Cancer. Proc.*, 3d Conf.:717-728. Ref. 1965, pub. 1966. SF605.15
In mice.
- 12613 KMEN, A., LEIBETSEDER, J., and HARTMANN, G. Quantitative electron microscopical studies on liver mitochondria of rats following placental or testicular tissue injections. (Ge) *Wien. Tierarztl. Monatsschr.* 53(7):435-440. July 1966. 41,8 T345
English summary.
- 12614 KRZYMOWSKA, H. Erythropoiesis inhibition. II. The effect of plasma filtrates from rats injected with hemolysates on erythropoiesis inhibition in mice. (Pol) *Pol. Arch. Weter.* 10(1):63-77. Ref. 1966. 41,8 P76
English summary.
- 12615 LAMY, L., WONDE, T., and LAMY, H. Behavior of *Leishmania donovani* in the presence of macrophages of mice in vitro. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 265(8):671-673. Aug. 22, 1966. 505 P21
- 12616 LANGVAD, E. Inferon induction of lung tumours in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:897-904. 1965, pub. 1966. SF605.15
An iron-dextran polymer.
- 12617 LAVANDER, O. A., and BAUMANN, C. A. Selenium metabolism. V-VI. Toxicol. Appl. Pharmacol. 9(1):98-115. Ref. July 1966. 391,8 T662
V, Studies on the distribution of selenium in rats given arsenic; VI, Effect of arsenic on the excretion of selenium in the bile.

- 12613 MAGEE, P. N. Alkylation of nucleic acids in the lung and other organs by carcinogenic nitroso compounds. *Int. Conf. Cancer. Proc.*, 3d Conf.:651-664. Ref. 1965, pub. 1966. SF605.15
Of laboratory animals.
Includes discussion, p.665-666.
- 12619 MILLA, U. Early findings in pulmonary carcinogenesis by hydrazine sulphate. *Int. Conf. Cancer. Proc.*, 3d Conf.:863-868. 1965, pub. 1966. SF605.15
In mice.
Includes discussion.
- 12620 MORI-CHAVEZ, P. Spontaneous and induced pulmonary tumors of the mouse at high altitude. *Int. Conf. Cancer. Proc.*, 3d Conf.:845-861. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 12621 MORRIS, H. P. Induction of primary lung tumors in rats by N,N'-2,7-fluorenylenebisacetamide and related aromatic amines. *Int. Conf. Cancer. Proc.*, 3d Conf.:729-735. 1965, pub. 1966. SF605.15
- 12622 MARGAEVA, L. I. Development of tumors in Syrian hamsters infected with Shope rabbit papilloma virus. (Rus) *Vop. Virusol.* 2:194-197. Mar./Apr. 1966. 448.8 P942
English summary.
- 12623 NEDYALKOV, S., DRAGANOV, M., and PEICHEV, B. Guinea pig diseases caused by *Clostridium perfringens* type A. (Ge) *Arch. Exp. Veterinarmed.* 20(2):323-325. Apr. 1966. 41.8 Ex7
- 12624 NISHIMURA, K. Investigations on the rat lungworm, *Angiostrongylus cantansensis*, in the Ryukyu Islands. *Jap. J. Parasitol.* 15(3):44-50, map. Ref. June 1966. 436.8 J27
- 12625 NORMANDIN, D. K. Cytoplasmic changes in the crypt cells of the mouse small intestine. *Amer. Microscop. Soc. Trans.* 85(4):571-573. Oct. 1966. 440.9 Am33
- 12626 PANJEL, J., and CAYEUX, P. Anti-ribonucleic acid factors in the sera of germ-free animals. *Nature [London]* 211(5044):94-96. July 2, 1966. 472 N21
Rats.
- 12627 RABOTTI, G. F. Biology of lung tumors in BALB/cN mice: incidence, progression, electron microscopy and tissue culture studies. *Int. Conf. Cancer. Proc.*, 3d Conf.:239-256. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 12628 RIBACCHI, R., and GIRALDO, G. The role of the thymus in lung carcinogenesis by urethane in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:823-834. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 12629 SCHOENTAL, R. The induction of lung tumors in rodents by diazomethane and by N-methyl-N-nitrosourea: biochemical considerations. *Int. Conf. Cancer. Proc.*, 3d Conf.:637-650. Ref. 1965, pub. 1966. SF605.15
Discussion, p.665-666.
- 12630 SMITH, W. E., and MILLER, L. Tests for viral agents in bronchiolar cell carcinomas in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:441-444. 1965, pub. 1966. SF605.15
- 12631 SQUARTINI, F., OLIVI, M., and SEVERI, L. A reconsideration of lung tumors observed in the course of experiments on mammary carcinogenesis. *Int. Conf. Cancer. Proc.*, 3d Conf.:273-283. Ref. 1965, pub. 1966. SF605.15
Of mice.
- 12632 TAKAYAMA, S., and OOTA, K. Induction of malignant lung tumors in various strains of mice by oral administration of N-nitrosodimethylamine and N-nitrosodiethylamine. *Int. Conf. Cancer. Proc.*, 3d Conf.:877-894. Ref. 1965, pub. 1966. SF605.15
- 12633 TANNENBAUM, A. Production of diverse pulmonary neoplasms in the mouse by urethane: adenoma, adenomatosis, and squamous-cell tumor. *Int. Conf. Cancer. Proc.*, 3d Conf.:803-822. 1965, pub. 1966. SF605.15
Includes discussion.
- 12634 TOCCO, D. J., and others. Absorption, metabolism, and excretion of thiabendazole in man and laboratory animals. *Toxicol. Appl. Pharmacol.* 9(1):31-39. July 1966. 391.8 T662
C. Rosenblum, C. M. Martin, and H. J. Robinson.
- 12635 TSUBURA, Y., and KIMURA, A. Influence of age on the induction and growth of pulmonary tumors in mice. *Int. Conf. Cancer. Proc.*, 3d Conf.:737-754. Ref. 1965, pub. 1966. SF605.15
Includes discussion.
- 12636 WISERNY, A. Effects of protein content of the diet on the ribonucleic acid conversion of the rat liver. (Pol) *Rocz. Nauk Roln.* 85-B-2:187-195. Ref. 1965. 20.5 R59
German summary.
- 12637 WITENBERG, G., and LENGY, J. A case of natural infection of field rats with *Ornithobacterium turkestanica*. *Refuah Vet.* 23(1):74-67. Ref. Mar. 1966. 41.8 R25
Text also in Hebrew.
- 12638 WRENN, T. R., and others. Influence of prior pseudopregnancy on lactation and reproduction of rats. *J. Dairy Sci.* 49(8):1001-1003. Ref. Aug. 1966. 44.8 J822
W. R. DeLauder, J. R. Wood, and J. Bitman, joint authors.
- 12639 ZLOTNIK, I. The transmission of scrapie to mice and hamsters. *U. S. Agr. Res. Serv. ARS* 91-53:263-269. 1964, pub. 1966. A41.9 R315Ar
Includes discussion.

POULTRY

Breeds and Breeding

- 12640 CAVALIE, A., and MERAT, P. A new gene, modifying the form of rose combs, and its possible association with cock fertility. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(4):451-467. Ref. 1965. 442.8 An75
English summary.
- 12641 EISKONEN, A. Urjala Poultry Economic Research Station [Urjala Honskonomiska Forsksstation]. (Sw) *Honsgsden* 2:39-41. In *Tidskr. Lantman Andelsfolk* 19. Oct. 15, 1965. 20 T43
Breeding for eggs and meat.
- 12642 ERASMUS, J. E. Performance of crosses between inbred lines of the Black Australorp and White Leghorn breeds of fowl. *S. Afr. J. Agr. Sci.* 9(1):279-280. Mar. 1966. 24 Su3
- 12643 CAWECKI, K., LIPINSKA, H., and LAWNICZAK, L. The use of dried potato pulp with blood in fattening young cocks. (Pol) *Rocz. Nauk Roln.* 87-B-3:363-369. 1966. 20.5 R59
English summary.
- 12644 GIBES, C.Z. Investigation on eggshell load of different breeds of hens. (Pol) *Rocz. Nauk Roln.* 86-B-4:603-619. Ref. 1965. 20.5 R59
English summary.
- 12645 GROVE, D. Poultry. (Ge) *Tierzuchter* 18(20):701-703. Oct. 20, 1966. 49 T445
Artificial insemination.
- 12646 HENRY, W. R. Breeder growth vs. egg lay assumes new importance. *Broiler Indus.* 29 (10):64, 66, 68, 72, 74. Oct. 1966. 47.8 N45
- 12647 HOWES, J. R., and IVEY, W. D. Improved quail stocks developed at Auburn. *Highlights Agr. Res. [Ala. Sta.]* 13(2):14. Summer 1966. 100 ALIH
- 12648 HURNIK, J. Genetic foundations of autosexing. (Cz) *Drubeznictvi* 14(5):68-69. May 1966. 47.8 D843
Poultry.
- 12649 JUSZKIEWICZ, T., and others. Effects of injections of homogenized cow and calf pineal glands on some biochemical parameters of cockerels. (Pol) *Pol. Arch. Weter.* 9(1):71-78. Ref. 1965. 41.8 P76
Z. Rakalska, Z. Madejski, B. Stefaniak, and B. Mizak, joint authors.
English summary.
- 12650 KAWECKI, A. The effect of 4,4 dioxy alpha-beta diethylstilbene on the growth, development and sex of Leghorn chicks. (Pol) *Rocz. Nauk Roln.* 86-B-4:631-638. Ref. 1965. 20.5 R59
English summary.

- 12651 KOLSTAD, N., SETERLUND, W., and HAAR-SETH, H. Sex evidence in chicks after crossing White Leghorns and Brown Leghorns. (No) Nord. Jordbrugsforsk. 47(4):346-347. 1965. 11 N752
- 12652 KUIT, A. R. The State Breeding Station for Poultry [Station Experimentale d'Aviculture, Magneraud]. (Du) Veeleite Zultveiler. 9(3): 143-147. Mar. 1966. 49 V51
- 12653 LILL, A. A review of non-random mating behaviour in domestic poultry. Poultry Rev. 6 (3):51-56. Oct. 1966. 47.8 P8699
- 12654 LUND, S. Importance of age for feed consumption and slaughter quality of the Beltsville White turkey. (No) Nord. Jordbrugsforsk. 47 (4):347-348. 1965. 11 N752
- 12655 OLSEN, M. W. Segregation and replication of chromosomes in turkey parthenogenesis. Nature [London] 212(5060):435-436. Oct. 22, 1966. 47.2 N21
- 12656 RAKALSKA, Z., and JUSZKIEWICZ, T. Effects of hydroxyzone on the electrocardiogram of cockerels. (Pol) Pol. Arch. Weter. 10(1):79-92. 1966. 41.8 P76
English summary.
- 12657 RAO, F. A., KUMARASAMY, K., and RATHNASABAPATHY, V. Some factors associated with egg production in White Leghorn fowls. Indian Vet. J. 43(7):636-644. July 1966. 41.8 In2
- 12658 REUTT, R., CIESIELSKA, K., and ZUK, B. The appliance of a new method of the appraisal of the breeding value of hens. (Pol) Roczn. Nauk Roln. 88-B-3:333-340. 1966. 20.5 R59
English summary.
- 12659 SANNAN, F., SETERLUND, W., and KOLSTAD, N. Experiments with White Leghorns hatched at different intervals. (No) Nord. Jordbrugsforsk. 47(4):344-345. 1965. 11 N752
Effects on egg production.
- 12660 SARAZA ORTIZ, R., and others. Broiler turkey production by a French commercial breed, with notes on carcasses and tasting. (Sp) Arch. Zootec. 15(58):122-140. Ref. Apr./June 1966. 49 Ar22
F. Nino Larru, J. L. Sotillo Ramos, J. Callejo De La Puente, and J. M. Alvarez Valdeuza, joint authors.
English summary.
Broad Breasted Bronze.
- 12661 VARGA, Z. Problems of an increased breeding of turkeys. (Cz) Druzebnictvi 14(6):84-85. June 1966. 47.8 D843
- 12662 ZELENKA, J. Guinea fowl, poultry of the future. (Cz) Druzebnictvi 14(6):86-88. June 1966. 47.8 D843
- Feeds and Feeding
- 12663 AGARWALA, G. P., and AGARWALA, O. P. To compare the differences in growth rates of chicks up to five weeks of age by replacing mustard cake with penicillin mycelia waste in chick starter ration. Indian Poultry Gaz. 50(1): 28-30. Apr. 1966. 47.8 In22
- 12664 AGARWALA, O. P., and AGARWALA, G. P. To compare the differences in growth rate of chicks up to six weeks of age by replacing groundnut cake with maize gluten meal in chick starter ration. Indian Poultry Gaz. 50(1):18-20. Apr. 1966. 47.8 In22
- 12665 BACZKOWSKA, H., KAMINSKA, B., and ZGLOBICA, A. Response of broilers to high doses of alfalfa meal. (Pol) Roczn. Nauk Roln. 85-B-3: 405-413. 1965. 20.5 R59
English summary.
- 12666 BERIC, Z., and BALZER, I. Djelovanje nutritina na pH sadržaja tankog crijeva i retenciju vitamina A i vitamina E u jetri pilica. The effect of Nutrinon on pH level of small intestine content and retention of vitamin A and vitamin E in chicken's liver. Poljoprivredna Znanstvena Smotra 21(8):11 p. Ref. 1965. 21.5 Z13
English summary.
Antibiotic.
- 12667 BEZUHLIY, I. P., and PERFYLEVA, E. O. Haematological indices of cockerels and laying hens during feeding with mixed feeds enriched by antibiotics and vitamin B12. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:90-93. May 1965. 20 V82
Russian summary.
- 12668 BIELINSKI, K., and others. The influence of an addition of alfalfa fodder to the feed on the slaughter value and meat quality of fattened young geese. (Pol) Roczn. Nauk Roln. 87-B-2: 231-244. Ref. 1965. 20.5 R59
K. Bielinska, J. Kortz, and W. Slabon, joint authors.
English summary.
- 12669 BOLTON, W. The feeding of poultry. Roy. Agr. Soc. Engl. J. 126:206-220. 1965. 10 R81
Review of the literature.
- 12670 CAMPBELL, R. C. The chick assay of lysine. Biometrics 22(1):58-73. Mar. 1966. 44.2 B5224
- 12671 CARDA APARICI, P., and GARCIA PARTIDA, P. Effects of hypercholesterol diets on laying hens—correction with flavones. I-II. (Sp) Zootecnia 14(4):112-124; 15(1):55-66. Ref. Oct./Dec. 1965-Jan./Mar. 1966. 41.8 Z73
CIENCIALA, M., KAMINSKI, J., and KANIOK, R. Influence of terramycin and staphylococcine on the microflora of the alimentary duct in broilers. (Pol) Krakow, Wyższa Szkoła Roln. Zeszyty Nauk. Zootech. 6:33-54. Ref. 1965. 49.9 K852
English summary.
- 12672 DORN, M., BECKER, R., and TIETZE, F. Investigations on the nutritional spectrum of turkeys in forest pasture. (Ge) Arch. Geflügelzucht Kleintierkunde 15(4):215-227. 1966. 47.8 Ar22
English summary.
- 12673 DURIO, P., and others. Ashes, calcium, magnesium, manganese and phosphorus in the bones of growing chickens: the influence of hypoprotein rations administered with mineral and enzymatic mixtures. (It) Turin, Univ. Fac. Med. Vet. Ann. 14:319-324. Ref. 1964. 41.9 T843
C. Sarra, C. Patrucco, and A. C. Tosi, joint authors.
English summary.
- 12674 FERRANDO, R., MAINGUY, P., and ROUGUES, A. Total tentative interpretation of effects on vitelline coloration: a controlled contribution of different carotenoids of laying hens. (Fr) Acad. Sci. Comp. Rend. Ser. D, 265(8):676-678. Aug. 22, 1966. 505 P21
- 12675 FOSSON, R., PATRUCCO, C., and MALETTTO, R. Hypoprotein ration feeding of growing chickens: the influence exerted by complex mineral and enzymatic mixtures on the conversion index, on meat yield and on the development of some cavity organs. (It) Turin, Univ. Fac. Med. Vet. Ann. 14:307-312. 1964. 41.9 T843
English summary.
- 12676 FRITZ, Z., and PRES, J. Effect of methionine and lysine supplement to the ration with reduced amount of protein of animal origin in broiler feeding. (Pol) Roczn. Nauk Roln. 86-B-4:621-630. Ref. 1965. 20.5 R59
English summary.
- 12677 GALVEZ MORROS, J. F. Consequences of using feather meal as a source of protein in poultry nutrition. (Sp) Zootecnia 14(2):45-51. Ref. Apr./June 1965. 41.8 Z73
- 12678 GAWECKI, K., LIPINSKA, H., and DAMBEK, J. Deltamin kombi 1600 as a supplement to seasonal feed for hens. (Pol) Roczn. Nauk Roln. 87-B-3:369-374. 1966. 20.5 R59
English summary.
Vitamin compound and its results in hatching eggs.
- 12679 GAWECKI, K., and others. The use of oilcake meal from seeds of home-grown oil plants with special emphasis on rape seed in feeding chicks. (Pol) Roczn. Nauk Roln. 85-B-4:549-569. Ref. 1965. 20.5 R59
H. Lipinska, E. Furmanczyk, S. Godynicki, and C. Wiland, joint authors.
English summary.

- 12691 GRIFFITH, M., and YOUNG, R. J. Growth response of turkey poult to fractions of soybean meal. *J. Nutr.* 89(3):293-299, July 1966. 389.8 J82
- 12692 HARMS, R. H., DAMRON, B. L., and WALD-ROUP, P. W. Dried bakery product as an ingredient for poultry feeds. *Feedstuffs* 38(42): 42-43, Oct. 22, 1966. 286.81 F322
- 12693 HARTFIEL, W. On the energy evaluation of feed for poultry. (Ge) *Nord. Jordbrugsforsk.* 47(4):265-270. 1965. 11 N752
- 12694 HERSTAD, O. Investigation of the relative feed value of grain for broilers. (No) *Nord. Jordbrugsforsk.* 47(4):365-366. 1965. 11 N752
- 12695 HILL, E. G. Effect of dietary linoleate on chick liver fatty acids: dietary linoleate requirement. *J. Nutr.* 89(4):465-470. Ref. Aug. 1966. 389.8 J82
- 12696 HOFFMANN, Carotenoids for pigmentation of eggs and poultry. (Fr) *Agro-Serv.* 3:117-121. May/June 1966. 385 Ag86
- 12697 JENSEN, L. S., and MRAZ, F. R. Effect of chelating agents and high levels of calcium and phosphorus on bone calcification in chicks fed isolated soy protein. *J. Nutr.* 89(4):471-476. Ref. Aug. 1966. 389.8 J82
- 12698 KOHOUT, J. Antioxidants in feed concentrates for poultry. (Cz) *Drubeznictvi* 14(6):89-91, June 1966. 47.8 D843
- 12699 LEPKOVSKY, S., and others. Pancreatic amylase in chickens fed on soybean diets. *Brit. J. Nutr.* 20(3):421-437. Ref. 1966. 389.8 B773
- 12700 LISTER, D., COWEN, T., and MCCANCE, R. A. Severe undernutrition in growing and adult animals. 16. The ultimate results of rehabilitation: poultry. *Brit. J. Nutr.* 20(3):633-639. Ref. 1966. 389.8 B773
- 12701 LOHLE, K., and BOCK, M. Comparative investigations on some meat and liver quality characteristics in broilers and ducks. (Ge) *Arch. Geflügelzucht Kleintierkunde* 15(4):243-252. Ref. 1966. 47.8 Ar22
- 12702 LOPUCHOVSKY, J. Vitamin D in the nutrition of poultry. (Cz) *Drubeznictvi* 14(5):70-71. May 1966. 47.8 D843
- 12703 MUKHERJEE, R., and others. Studies on economic poultry rations. III. Observations on the inclusion of akra, sesame cake, mahua cake and a high level of berseem leaf meal in the ration of growing chicks. *Indian Vet. J.* 43(8):734-738. Aug. 1966. 41.8 In2
- 12704 H. R. Sharma, K. K. Pal, and S. Bose, joint authors.
- 12705 NEUDOERFFER, T. S., and LEA, C. H. Effects of dietary fish oil on the composition and stability of turkey depot fat. *Brit. J. Nutr.* 20(3): 581-594. Ref. 1966. 389.8 B773
- 12706 ORESNIK, M. Tests with feed concentrates for poultry. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(1):16-17. Jan. 15, 1966. 21.5 So14
- 12707 PANDA, N. C., and PRADHAN, S. C. Comparative feeding values of groundnut oil meal and mustard oil meal in chick starter rations. *Indian Vet. J.* 43(8):739-744. Ref. Aug. 1966. 41.8 In2
- 12708 PATRUCCO, C. Hypoprotein ration administered with mineral and enzymatic mixtures in growing chickens: findings on the cecal chemical composition of the muscular and hepatic tissues. (It) *Turin. Univ. Fac. Med. Vet.* Ann. 14:313-318. 1964. 41.9 T843
- 12709 English summary.
- 12710 PETERSEN, C. B. The energy problem in feeding of poultry. (Da) *Nord. Jordbrugsforsk.* 47(4):271-272. 1965. 11 N752
- 12711 PETERSEN, V. E. Evaluation of feed for growing chickens. (Da) *Nord. Jordbrugsforsk.* 47(4):275. 1965. 11 N752
- 12712 PETERSEN, V. E., and EMMANS, G. C. Feed energy and protein content. (Da) *Denmark. Landekon. Forsogslab. Arb.* 1965(fall meeting):166-174. 49.9 D41
- 12713 Feeding of broilers.
- 12714 PROTIVA, M. Nutritional needs of poultry and feed concentrates. (Cz) *Drubeznictvi* 13(12): 184-186. Dec. 1965. 47.8 D843
- 12715 RAO, G. V., and BOSE, S. The effect of withholding of feed and water on the absorption of yolk material in day-old chicks. *Indian Vet. J.* 43(7):634-636. July 1966. 41.8 In2
- 12716 REDDY, C. V., and others. Nutritional studies on mowha [*Madhuca longifolia*] residue. 1. Use in chick rations. *Indian Vet. J.* 43(7):644-651. July 1966. 41.8 In2
- 12717 S. M. Siddiqui, P. R. Narasimhalu, and S. A. Naqi, joint authors.
- 12718 RUSZCZYC, Z., and SLAWINSKI-JAMROZ, D. Copper sulphate as a supplement in broiler feeding. (Pol) *Rocz. Nauk Roln.* 85-B-4:521-526. Ref. 1965. 20.5 R59
- 12719 English summary.
- 12720 SAINZ Y SAINZ-PARDO, J. Amino acids in the nutrition of poultry and pigs: the use of synthetic amino acids. (Sp) *Col. Ofic. Vet. Prov. Barcelona. An.* 22(255):501-517. Ref. Sept. 1965. 41.9 C67
- 12721 SARRA, C., and others. Connections between the lipidic level of the ration and that of fats in the skeletons of growing chickens: observations and findings on fatty acids in the liver. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:325-332. Ref. 1964. 41.9 T843
- 12722 P. Durio, R. M. Turri, and C. Patrucco, joint authors.
- 12723 English summary.
- 12724 SHYMAN'SKA, O. A., and LIVAK, I. I. Increase of productivity in chickens induced by adding content of cattle rumen to feeding rations. (Uk) *Visnyk Sil'skohospodar. Nauk.* 5: 88-90. May 1965. 20 V82
- 12725 Russian summary.
- 12726 Egg production.
- 12727 SIMONCINI, F., and NANI, S. Influence of feed supplements containing rifamycin and tetracycline mycelia and distillers dried soluble on the growth of broilers. (It) *Zootec. Vet.* 20(11/12): 263-268. Nov./Dec. 1965. 41.8 Z7
- 12728 English summary.
- 12729 SMITH, G. H., and LEWIS, D. Arginine in poultry nutrition. 3. *Brit. J. Nutr.* 20(3):621-631. Ref. 1966. 389.8 B773
- 12730 SMITH, R. E. Importance of an accurate reference diet in the evaluation of proteins for chick growth using plasma amino acid titers. *J. Nutr.* 89(3):271-275. July 1966. 389.8 J82
- 12731 SONEVEND, G. Y. Increasing the effectiveness and economy of mixed feed. (Hu) *Malomipar Termenyforgalom* 13(4):143-147. July/Aug. 1966. 29.8 M292
- 12732 Includes effect of fat addition and amino acids in poultry nutrition.
- 12733 THOMSEN, K. V. Influence of feed fat on the fatty acid composition of egg fat. (Da) *Nord. Jordbrugsforsk.* 47(4):359-361. 1965. 11 N752
- 12734 TOMOV, A. Copper sulphate as a means of reducing the number of hen eggs with blood spots. (Bu) *Vet. Med. Nauk.* 2(9):855-859. Ref. 1965. 41.8 V6468
- 12735 English summary.
- 12736 In feed.
- 12737 TOT, M., BALOGH, E., and BOSZORMENYI, Z. Methionine utilization by New Hampshire chicken. (Hu) *Kiserletgyi Kozlemenyek* 59/B (3):31-49. Ref. 1965. 105.8 H89
- 12738 English summary.
- 12739 UOTILA, I. Whole grain as a source of energy for hens. (Sw) *Nord. Jordbrugsforsk.* 47(4): 272-274. 1965. 11 N752
- 12740 VERMEERSCH, G., and VANSCHOUBROEK, F. The mechanism of the growth depression by raw soybean meals in monogastric animals. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(3):201-221. Ref. May 1966. 41.8 V84
- 12741 English summary.
- 12742 Poultry.
- 12743 ZIELINSKA, B. Studies on the estimation of the quantity and quality of the natural food consumed by chickens on free range. (Pol) *Rocz. Nauk Roln.* 86-B-4:639-656. Ref. 1965. 20.5 R59
- 12744 English summary.

- 12713 ZNANIECKA, G., and SZYMKIEWICZ, M. Dehydrated raw potato meal as a substitute for corn meal in a broiler diet. I. Fattening of Cornish and Rhode Island chickens. (Pol) Roczn. Nauk Roln. 85-B-3:415-426. Ref. 1965. 20.5 R59
English summary.
- 12719 ZUCKER, H. Modern feed additives and quality production. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1390-1393. Sept. 15, 1966. 18 N39
With particular reference to poultry and beef cattle.
- Veterinary Medicine
- 12720 ABDALLAH, I. S., and WINKENWERDER, W. The house sparrow (*Passer domesticus* L.) as a carrier of vibrios. (Ge) Zentrabl. Veterinarmed. Reihe B, 13(4):338-344. Ref. Aug. 1966. 41.8 Z52
English summary.
From poultry.
- 12721 ADLAKHA, S. C. Etiology of infectious coryza of fowls. Indian Vet. J. 43(8):759-761. Aug. 1966. 41.8 In2
- 12722 AGARWAL, K. K., and RAO, S. B. V. Studies on the efficacy of whole blood plate agglutination tests in the diagnosis of chronic respiratory disease of poultry. III. Indian Vet. J. 43(8):678-685. Ref. Aug. 1966. 41.8 In2
- 12723 ALIAN, D., and MALKINSON, M. Spectrophotometric detection and measurement of sensitizing antibodies. Nature [London] 211(5048):493-496. Ref. July 30, 1966. 472 N21
Study of poultry.
- 12724 ALLEN, D. W. Avian myeloblastosis virus (AMV) biosynthesis in chick embryo cells; studies of the particles released by trypsin from the infected cells. Virology 30(1):1-9. Ref. Sept. 1966. 448.8 V81
- 12725 ALTANER, C., SMIDA, J., and THURZO, V. Comparison of the cytoplasmic antigens of fowl virus tumours. Neoplasma 13(1):23-30. Ref. 1966. 41.8 N353
- 12726 ANIMAL HEALTH TRUST (GREAT BRITAIN). POULTRY RESEARCH STATION (HOUGHTON). Analysis of post-mortem examination reports for calendar years 1964 and 1965. Avian Dis. 10(3):377-381. Aug. 1966. 41.8 Av5
Disease diagnosis.
- 12727 ANTONOVA, M. E. Disinfection of hatching eggs in the case of poultry mycoplasmosis. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8: 97-100. Aug. 1966. 20 V633
English summary.
- 12728 ARTEMICHEV, M. A. Retsepturnyi spravochnik po boleznyam ptits [Prescription manual for poultry diseases]. Moskva, Kolos, 1966. 151 p. SF995.A7
- 12729 ASH, R. J., and BUBEL, H. C. A method for the rapid assay of Newcastle disease virus. Nature [London] 211(5051):891-892. Aug. 20, 1966. 472 N21
- 12730 BALEV, P. Effect of the antibiotics on vitamin A and carotene contents of chick's liver. (Bu) Vet. Med. Nauk. 3(3):279-282. 1966. 41.8 V6468
English summary.
- 12731 BALL, W. D. Aggregation of dissociated embryonic chick cells at 3° C. Nature [London] 210(5040):1075-1076. June 4, 1966. 472 N21
- 12732 BENOIT, J., and others. Localization in the visible spectrum from the maximum retinal sensitivity zone to luminous radiation implicated in gonad stimulation in impuberal Pekin duck. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(1):62-64. July 4, 1966. 505 P21
C. Da Lage, B. Muel, C. Kordan, and I. Assenmacher, joint authors.
- 12733 BERENCSEI, GY., and SZABO, J. Infection tests on hens with different types of Mycobacterium tuberculosis. (Hu) Magyar Allatorv. Lapja 21(9):393-395. Sept. 1966. 41.8 V644
English summary.
- 12734 BERNATH, S. Occurrence of Salmonella bareilly infection in turkeys. (Hu) Magyar Allatorv. Lapja 21(9):402-404. Sept. 1966. 41.8 V644
English summary.
- 12735 BERNHARD, W., and others. Statement on the detection of viruses by electron microscopy in human leukaemic tissues and extracts and in similar material from domestic animals. World Health Organ. Bull. 34(6):953-954. 1966. 449.9 W892B
M. Benyesh-Melnick, J. Melnick, A. Birch-Andersen, A. F. Howatson, W. C. Cockburn, and S. G. Drozdov, joint authors.
In poultry and mice.
- 12736 BHATNAGAR, D. S., and GUPTA, B. K. The events in egg-laying. Indian Livestock 3(3):28-29, 31. July/Sept. 1965. 49 In23
- 12737 BISWAL, N., NAZERIAN, K., and CUNNINGHAM, C. H. A hemagglutinating fraction of infectious bronchitis virus. Amer. J. Vet. Res. 27(12):1157-1167. Ref. Sept. 1966. 41.8 Am3A
- 12738 BRION, A. Evolution of our knowledge on avian leukosis virus. (Fr) Rec. Med. Vet. 142(8):695-702. Aug. 1966. 41.8 R24
English summary.
- 12739 BULOW, V. VON. Infectious avian bronchitis. I. Virus cultivation in chick embryo kidney cells. (Ge) Zentrabl. Veterinarmed. Reihe B, 13(4):345-363. Ref. Aug. 1966. 41.8 Z52
English summary.
- 12740 BURMESTER, B. R. Review of the avian leukosis complex. U. S. Agr. Res. Serv. ARS 91-53:171-187. 1964, pub. 1966. A41.9 R315Ar
Includes discussion.
- 12741 BURMESTER, B. R., and FREDRICKSON, T. N. Some factors influencing the rate of contact transmission of Rous sarcoma virus. Avian Dis. 10(3):259-267. Aug. 1966. 41.8 Av5
- 12742 CALNEK, B. W. Leukosis in chickens is more than one disease. Farm Res. [N. Y. Sta.] 31(4):14, 16. Jan./Mar. 1966. 100 N48A
- 12743 CARPENTER, C. D. An up-to-date review on CRD. Indian Poultry Gaz. 50(1):1-9. Apr. 1966. 47.8 In22
- 12744 CARTWRIGHT, B. How Purina [Ralston Purina Co., St. Louis, Mo.] rid itself of PPLO in breeder flocks. Broiler Indus. 29(11):24-25, 28-29. Nov. 1966. 47.8 N45
- 12745 CHANEY, S. G., and KARE, M. R. Emesis in birds. Amer. Vet. Med. Ass. J. 149(7):938-943. Ref. Oct. 1, 1966. 41.8 Am3
Includes poultry.
- 12746 CHEVILLE, N. F., and MONLUX, W. S. Effect of vitamin E deficiency on avian encephalomyelitis in chickens. Amer. J. Vet. Res. 27(120):1413-1418. Sept. 1966. 41.8 Am3A
- 12747 CHOWDHURY, T. I. M. F., and others. Hemagglutination activity, embryo pathogenicity, and intracerebral pathogenicity of three strains of Newcastle disease virus following adsorption on chicken brain cells. Avian Dis. 10(3):273-281. Ref. Aug. 1966. 41.8 Av5
L. C. Grumbles, C. F. Hall, and A. I. Flower, joint authors.
- 12749 CHURCHILL, A. E., and BLAXLAND, J. D. Experiments with a live Newcastle disease vaccine administered in the drinking water of chickens. Vet. Rec. 79(2):30-35. Ref. July 9, 1966. 41.8 V641
- 12749 CLARKSON, M. J. Progressive serum protein changes in turkeys infected with Histomonas meleagridis. J. Comp. Pathol. 76(4):387-396. Ref. Oct. 1966. 41.8 J82
- 12750 CUENCA, C. L. DE. Relation between economic losses caused by diseases in poultry and the role of the veterinary profession for their control. (Sp) Zootecnia 14(2):34-44. Apr./June 1965. 41.8 Z73
- 12751 DAENGSVANG, S., THIENPRASITTHI, P., and CHOMCHERNGPAT, P. Further investigations on natural and experimental hosts of larvae of Gnathostoma spinigerum in Thailand. Amer. J. Trop. Med. Hyg. 15(5):727-729. Sept. 1966. 448.8 Am36
Includes poultry and ducks.

- 12752 DASHKEVYCH, S. M. Economic damages caused by tuberculosis in poultry. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:110-111. May 1965. 20 V82
Russian summary.
- 12753 DELFON R., I., and LUZ SORIANO, E. The normal karyotypes of *Gallus domesticus*. (Sp) Ciencia 25(1):17-19. 1966. 475 C48
English summary.
- 12754 DERZSY, D., SZEPE, L., and SZOKE, F. Investigation on the etiology of the so-called goose influenza. (Hu) Magyar Allatorv. Lapja 21(9): 388-389. Sept. 1966. 41,8 V644
English summary.
- 12755 DEVOS, A., and others. Experimental infections with *S. pullorum* and *S. typhimurium*. Experiments on contact infection, excretion of bacteria, serological reaction and localisation of salmonellae in chicks and pigeons. (Fl) Vlaams Diergeneesk. Tijdschr. 35(6):276-284. Ref. June 1966. 41,8 V84
J. Van Impe, N. Viaene, and L. Spanoghe, joint authors.
English summary.
- 12756 DOROSHKO, I. M., and BAIDEVL'YATOV, A. B. Experimental mycoplasmosis in poultry. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:94-99. May 1965. 20 V82
Russian summary.
- 12757 DZHANKOV, I., SUMROV, I., and DOUMANOV, Y. Immunological reactivity of chicks to *Treponema anserinum*, Sakharoff, 1891. (Bu) Vet. Med. Nauk. 3(2):165-169. 1966. 41,8 V6468
English summary.
- 12758 FADDOUL, G. P., and FELLOWS, G. W. A five-year survey of the incidence of Salmonellae in avian species. Avian Dis. 10(3):296-304. Ref. Aug. 1966. 41,8 Av5
- 12759 FITKO, R. Influence of thyroid function and gonadotropin upon gonads and endocrine glands in maturing chickens. (Pol) Pol. Arch. Weter. 9(2):355-372. Ref. 1965. 41,8 P76
English summary.
- 12760 FRELICH, A. Investigations on digestion of crude fibre by hens. (Pol) Roczn. Nauk Roln. 87-B:3:423-439. Ref. 1966. 20,5 R59
English summary.
- 12761 GARRY-ANDERSSON, S. A. Leukosis. (Sw) Honsgarden 2:54-56. In Tidskr. Lantman Andersfolk 19. Oct. 15, 1965. 20 T43
- 12762 GEORGIEV, B., and ARNAUDOV, D. Treatment of spirochaetosis with biovit. (Bu) Vet. Med. Nauk. 3(3):317-322. 1966. 41,8 V6468
English summary.
Of poultry.
- 12763 GIAVARINI, I. Chickens and blood groups. (It) Progr. Agr. [Bologna] 12(9):903-908. Sept. 1966. 58,8 P94
- 12764 GIBES, C., and CZECHOWICZ, B. Observations on the growth of wild ducks (*Anas platyrhynchos*). (Pol) Roczn. Nauk Roln. 85-B-4: 571-589. Ref. 1965. 20,5 R59
English summary.
Includes studies on domestic ducks.
- 12765 GORANOV, K. H., and TSVETKOV, A. Effect of biomyacin and biovit 40 on glucose resorption in chicks. (Bu) Vet. Med. Nauk. 2(9):879-883. Ref. 1965. 41,8 V6468
English summary.
- 12766 GRIMES, J. E., MOORE, R. W., and GRUMBLES, L. C. Agglutinating antigen from an ornithosis agent. I. Preparation method and tests with turkey sera. Avian Dis. 10(3): 342-347. Ref. Aug. 1966. 41,8 Av5
- 12767 GROSS, W. B. Electrocardiographic changes of *Escherichia coli*-infected birds. Amer. J. Vet. Res. 27(120):1427-1436. Sept. 1966. 41,8 Am3A
- 12768 GROTH, W., and FREY, H. A comparative study of the effects of deficiency of calcium, phosphorus or vitamin D on the bones, blood and endocrines of the chick. (Ge) Zentrabl. Veterinarmed. Reihe A, 13(4):302-319. Ref. June 1966. 41,8 Z5
English summary.
- 12769 GRUNDBOECK, M. Attempts on experimental transmission of osteopetrosis in fowls. (Pol) Pol. Arch. Weter. 10(1):113-117. 1966. 41,8 P76
English summary.
- 12770 HART, J. S., and ROY, O. Z. Respiratory and cardiac responses to flight in pigeons. Physiol. Zool. 39(4):291-306. Ref. Oct. 1966. 41,8 P58
- 12771 HEMSLEY, L. A. Mortality in broiler breeding stock, with particular reference to the effects of restricted feeding during the growing period. Vet. Rec. 79(6):163-165. Aug. 6, 1966. 41,8 V641
- 12772 HONORY, K. The influence of the environment on the level and distribution of vitamin A and carotenoids in the animal organism. (Pol) Pol. Arch. Weter. 9(2):323-333. Ref. 1965. 41,8 P76
English summary.
In fowl.
- 12773 HURWITZ, S., and BAR, A. Rate of passage of calcium-45 and yttrium-91 along the intestine, and calcium absorption in the laying fowl. J. Nutr. 89(3):311-316. July 1966. 389,8 J82
- 12774 HUTSON, L. R. Bagasse litter as a contributory factor in avian aspergillosis. Can. Vet. J. 7(6):117-120. Ref. June 1966. 41,8 R3224
- 12775 IKEDA, S., ASAHII, O., and OKA, M. Outbreaks of avian encephalomyelitis in chicks raised in Japan. Tokyo. Nat. Inst. Anim. Health Quart. 6(3):127-135. Ref. Fall 1966. 41,9 T575Q
- 12776 IORDANOV, KH. Salmonellosis in chicks caused by *Salmonella muenster*. (Bu) Vet. Med. Nauk. 3(1):47-53. Ref. 1966. 41,8 V6468
English summary.
- 12777 JONSSON, E. Regulation of egg production of hens with hormones. (Sw) Nord. Jordbrugsforsk. 47(4):343-344. 1965. 11 N752
- 12778 JUSKO-GRUNDBOECK, J. Changes in the level of protein fractions of hen sera in the course of vaccination with anti-Newcastle disease vaccine. (Pol) Pol. Arch. Weter. 9(2):285-302. Ref. 1965. 41,8 P76
English summary.
- 12779 KARCZEWSKI, W. The growth of ND (Newcastle disease) virus, LaSota strain, in the spinal cord of chicks. (Pol) Med. Weter. 22(6):334-336. June 1966. 41,8 M463
English summary.
- 12780 KASHIWAZAKI, M., and others. An outbreak of paratyphoid infection due to *Salmonella typhimurium* in adult chickens. Tokyo. Nat. Inst. Anim. Health Quart. 6(3):144-151. Ref. Fall 1966. 41,9 T575Q
S. Aoki, T. Horieuchi, S. Shoya, and S. Namio-ka, joint authors.
- 12781 KELLOFF, G., and VOGT, P. K. Localization of avian tumor [leukosis and sarcoma complex] virus group-specific antigen in [Rous sarcoma] cell and virus. Virology 29(3):377-384. Ref. July 1966. 448,8 V81
- 12782 KEMP, R. L., and REID, W. M. Staining techniques for differential diagnosis of histomoniasis and mycosis in domestic poultry. Avian Dis. 10(3):357-363. Aug. 1966. 41,8 Av5
- 12783 KISELEVA, N. P., and others. Purification of Newcastle disease virus and characteristics of viral RNA preparations. (Rus) Vop. Virusol. 2:223-231. Ref. Mar./Apr. 1966. 448,8 P942
M. G. Osipova, E. V. Matveeva, Ya. M. Selivanov, and T. I. Tikhonenko, joint authors.
English summary.
- 12784 KOBAKHIDZE, T. L. Results of the study on some morphological and biological properties of vibrios, isolated from poultry. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 43(3):729-736. Ref. Sept. 1966. 511 Ak146
- 12785 KOTTARIDIS, S. D., CHOMIAK, T. W., and LUGNIBUHL, R. E. A metabolism inhibition test (MIT) for Rous sarcoma virus antibodies. Avian Dis. 10(3):337-341. Ref. Aug. 1966. 41,8 Av5

- 12786 KRASNYKOV, H. A. Application of electron microscopy in study of agglutination reaction in ducklings affected by foot-and-mouth disease and infectious sinusitis. (Uk) Vysnyk Sil's'ko-hospodar. Nauk. 8:102-106. Aug. 1965. 20 V82 Russian summary.
- 12787 KUNYASU, C., and ANDO, K. Studies on the hemagglutination-inhibition test for Mycoplasma gallisepticum infection of chickens. Tokyo. Nat. Inst. Anim. Health Quart. 6(3):136-143. Ref. Fall 1966. 41.9 T575Q In Japan.
- 12788 KUPROWSKI, M. The influence of the quality of agar on the occurrence of haemolysis in cultures of *Candida albicans*. Zentrabl. Veterinarmed. Reihe B, 13(4):364-368. Aug. 1966. 41.8 Z52 In relation to blackhead of turkeys.
- 12789 LARSKI, Z. The action of garlic phytoncides on *Salmonella pullorum* in vitro and in vivo. (Pol) Pol. Arch. Weter. 8(4):631-650. Ref. 1965. 41.8 P76 English summary.
- 12790 LEACH, R. H., and BLAXLAND, J. D. The need for standardisation of serological techniques for the detection of *Mycoplasma gallisepticum* infection in poultry. Vet. Rec. 79(11):303-312. Sept. 10, 1966. 41.8 V641
- 12791 LEE, H. H., KAIGHN, M. E., and EBERT, J. D. Viral antigens in differentiating muscle colonies after infection with Rous sarcoma virus in vitro. Nat. Acad. Sci. Proc. 56(2):521-525. Ref. Aug. 15, 1966. 500 N21P In chick embryo.
- 12792 LEI, P., and MULAS, G. Thymus function and productive capacity; experimental studies in poultry husbandry. (Bu) Vet. Med. Nauk. 2(10):913-917. 1965. 41.8 V646 English summary.
- 12793 LENKEY, D. The prevention of virus hepatitis in a broiler duck farm. (Hu) Magyar Allatorv. Lapja 21(9):421-422. Sept. 1966. 41.8 V644 Immunization.
- 12794 LENSING, H. H., SMITS, W. H., and CLEEF, S. A. M. VAN. *Staphylococcus* infection in laying hens. (Du) Tijdschr. Diergeneesk. 91(16):1032-1036. Aug. 15, 1966. 41.8 T431 English summary.
- 12795 LIPKIND, M. A. Influence of some experimental conditions on plaque formation by the Newcastle disease virus. (Rus) Vop. Virusol. 3:260-266. Ref. May/June 1966. 448.8 P942 English summary.
- 12796 LOMNICZI, B. Infectious bronchitis of poultry. (Hu) Magyar Mezogazdasag 21(38):18-19. Sept. 21, 1966. 19 M27
- 12797 LUKERT, P. D. A plaque-reduction method for the detection of neutralizing antibodies for infectious bronchitis virus. Avian Dis. 10(3):305-313. Ref. Aug. 1966. 41.8 Av5
- 12798 MALLICK, B. B., and RAO, S. B. V. Treatment trials with netfin (brand of furazolidone) in an outbreak of fowl typhoid (*Salmonella gallinarum*) on a large poultry farm. Indian Poultry Gaz. 50(1):10-12. Ref. Apr. 1966. 47.8 In2
- 12799 MALVITA, H. C., and DEO, P. G. Effect of heavy primary infection on the subsequent light infection of *Ascaridia galli* (Schrank, 1788) Freeborn, 1923, in chicken. Indian Vet. J. 43(8):689-691. Aug. 1966. 41.8 In2
- 12800 MATEEV, M., STOILOVA, N., and OBRESHKOV, K. Investigations into avian pasteurellosis. II. Biochemical typing of the strains. (Bu) Vet. Med. Nauk. 3(1):67-72. Ref. 1966. 41.8 V646 English summary.
- 12801 MCLOUGHLIN, D. K. Observations on the treatment of *Trichomonas gallinae* in pigeons. Avian Dis. 10(3):288-290. Aug. 1966. 41.8 Av5
- 12802 MILLER, W. S. Studies of the response of White Carneau pigeons to respiratory and subcutaneous doses of Venezuelan equine encephalitis virus. Amer. J. Epidemiol. 84(2):181-182. Sept. 1966. 449.8 Am3
- 12803 MINCHEVA, N., and SHERKOV, S. Investigations into the immunity induced by *Eimeria tenella* in chicks. (Bu) Vet. Med. Nauk. 2(10):975-980. Ref. 1965. 41.8 V646 English summary.
- 12804 MOHAMED, Y. S., CHEMA, S., and BOHL, E. H. Studies on *Mycoplasma* of the "H" serotype (*Mycoplasma meleagridis*) in the reproductive and respiratory tracts of turkeys. Avian Dis. 10(3):347-352. Aug. 1966. 41.8 Av5
- 12805 MONREAL, G. The influence of the CELO virus on artificial infection with *Mycoplasma gallisepticum*. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(15):295-297. Ref. Aug. 1, 1966. 41.8 B45 English summary.
- 12806 MOTTET, N. K., and HALL, H. E. The intra-embryonic and extra-embryonic distribution of hydroxyproline in the hen's egg. J. Exp. Zool. 162(3):295-299. Ref. Aug. 1966. 410 J825
- 12807 MUSAEV, E. YU., and AKHUNDZADE, A. I. The effect of a growth stimulant of petroleum origin on the growth and development of chicks 30 to 60 days old. 5 p. Transl. 15236 Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Doklady 20(1):69-73. 1964.
- 12808 NAGY, F., and SWARTZ, G. E. The ultimobranchial body of the chick embryo. Amer. Microscop. Soc. Trans. 85(4):485-505. Ref. Oct. 1966. 440.9 Am33
- 12809 NAGY, G. Experiences on the production and application of the *Mycoplasma* antigen. (Hu) Magyar Allatorv. Lapja 21(9):400-401. Sept. 1966. 41.8 V644 English summary. *Mycoplasma gallisepticum* infection of poultry.
- 12810 NASONOV, YU. M. Changes with age in the transamination and proteolysis processes in duckling liver at early stages of ontogeny. (Uk) Ukr. Biokhim. Zhur. 38(4):389-391. Ref. 1966. 385 Uk72 English summary.
- 12811 ORLOVA, T. G. Adsorption and eclipse phase of the Newcastle disease virus in homogenates of tissues and cells of susceptible and non-susceptible animals. (Rus) Vop. Virusol. 5:568-573. Ref. Sept./Oct. 1965. 448.8 P942 English summary.
- 12812 PALATKA, Z., and TOTB, B. Investigation of some properties of Newcastle disease H-vaccine adsorbed to aluminum hydroxide. (Hu) Magyar Allatorv. Lapja 21(9):390-393. Sept. 1966. 41.8 V644 English summary.
- 12813 PARRY, R. T. Pasteurella infections in poultry. Poultry Rev. 6(3):43-50. Ref. Oct. 1966. 47.8 P8699 Chiefly *Pasteurella multocida*, *P. pseudotuberculosis*, and *P. haemolytica*, in causing fowl cholera.
- 12814 PEACOCK, I. R., and PEACOCK, A. Asbestos induced tumours in fowls. Int. Conf. Cancer. Proc., 3d Conf.:571-588. 1965, pub. 1966. SF605.15 Discussion, p.607-608.
- 12815 PETERSEN, C. B. Measurement of energy metabolism of growing broilers. (Da) Nord. Jordbrugsforsk. 47(4):350-352. 1965. 11 N752
- 12816 PICKRELL, J. A. Pathologic changes associated with experimental *Pasteurella anatipestifer* infection in ducklings. Avian Dis. 10(3):281-288. Ref. Aug. 1966. 41.8 Av5 Duck plague.
- 12817 POLERO DE MUSLERA, B. J., and SMIT-SAART, T. E. Comparación de la bronquitis infecciosa en la Republica Argentina [Study of infectious bronchitis in the Argentine Republic]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 2(5):63-73. 1965. 41.8 R3227 English summary.
- 12818 POLIN, D., and others. Tolerance of chickens to thiabendazole. Nature [London] 211(5050):753-754. Aug. 13, 1966. 472 N21 K. Kelley, E. Lehman, and W. H. Ott, joint authors.
- 12819 PRINCE, A. M. The biology of avian tumor viruses; cell integration and the neoplastic nature of tumors induced by these agents. Neoplasma 13(1):13-21. Ref. 1966. 41.8 N353

- 12820 PROHASZKA, L. The role of carotenoids and vitamin A in encephalomalacia. *Brit. J. Nutr.* 20(3):533-540. Ref. 1966. 389.8 B773 Chicks.
- 12821 PURCHASE, H. G., BURMESTER, B. R., and KUJUDYCH, I. The influence of the environment on avian leucosis. *Vet. Rec.* 79(6):160-162. Aug. 6, 1966. 41.8 V641
- 12822 RAO, K. V. N., and KATARIA, R. S. Colibacillosis in poultry. *Indian Poultry Gaz.* 50(1):33-34. Apr. 1966. 47.8 In22
- 12823 RASHEV, KR., and ANGELACHEV, A. Certain diseases of the respiratory system of birds. (Bu) *Vet. Med. Nauk.* 2(10):1031-1035. Ref. 1965. 41.8 V6468 English summary.
- 12824 RIGDON, R. H. Tumors produced by methylcholanthrene in the respiratory tract of the white Pekin duck. *Int. Conf. Cancer. Proc.*, 3d Conf.:755-764. Ref. 1965, pub. 1966. SF605.15
- 12825 ROSSI, C., and CANTINI, G. Diagnosis of the species causing coccidiosis in poultry. (It) *Nuovo Prog. Vet.* 21(10):482-486, 488, 490-492, 494-495. Ref. May 31, 1966. 41.8 P942 Species of *Eimeria*.
- 12826 ROZANSKA, M. Specificity of agglutination reaction in the detection of carriers of tuberculous bacilli in poultry. (Pol) *Med. Weter.* 22(4):193-196. Apr. 1966. 41.8 M463 English summary.
- 12827 RY'S, R., and BACZKOWSKA, H. Seasonal changes in yolk cholesterol of eggs among two strains of hens. (Pol) *Rocz. Nauk Roln.* 86-B-4:587-595. Ref. 1965. 20.5 R59 English summary. Comparison to cholesterol in blood.
- 12828 SANGER, V. L., BURMESTER, B. R., and MORRILL, C. C. Serum alkaline phosphatase levels in avian osteopetrosis. *Avian Dis.* 10(3):364-371. Ref. Aug. 1966. 41.8 Av5
- 12829 SATO, G., and ADLER, H. E. Bacteriological and serological observations on turkeys naturally infected with Arizona 7:1,7,8. *Avian Dis.* 10(3):291-295. Aug. 1966. 41.8 Av5
- 12830 SATO, G., and ADLER, H. E. Experimental infection of adult turkeys with Arizona group organisms. *Avian Dis.* 10(3):329-336. Aug. 1966. 41.8 Av5
- 12831 SAVOV, D. Investigations into pathogenic strains of *Escherichia coli* isolated from fowls. (Bu) *Vet. Med. Nauk.* 2(9):825-832. Ref. 1965. 41.8 V6468 English summary.
- 12832 SHERMAN, I. W., and MUDD, J. B. Malaria infection (*Plasmodium lophurae*): changes in free amino acids. *Science* 154(3746):287-289. Ref. Oct. 14, 1966. 47.0 Sc12 In ducks.
- 12833 SIMEK, V. Histomoniasis of turkeys. (Cz) *Drubeznictvi* 13(12):186-187. Dec. 1965. 47.8 D843
- 12834 SKALBA, D. Allotypic specificity in gamma- and beta-globulins of hen serum. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(3):159-162. 1966. 512 W262
- 12835 SKALBA, D. Antigenic differences in proteins of chicken sera. (Pol) *Rocz. Nauk Roln.* 86-B-4:597-602. Ref. 1965. 20.5 R59 English summary.
- 12836 SKULMOWSKA-KRYSZKOWSKA, D., and LARSKI, Z. The influence of antihistaminic drugs on multiplication of Newcastle disease virus (NDV). *Exp. Med. Microbiol.* 17(3):281-287. Ref. 1965. 448.8 Ex7Ae
- 12837 SLESINGER, L. Effect of lignosulphonates on blood picture, bile pigment and enzymatic activity in hens with hypochromic anemia. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(15):297-299. Ref. Aug. 1, 1966. 41.8 B45 English summary.
- 12838 SMITSAART, T. E., POLERO DE MUSLERA, B., and KASARI, K. Comprobación de la encefalomiелitis aviar en la Argentina [Study of avian encephalomyelitis in Argentina]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 2(4):53-62. Ref. 1965. 41.8 R3227 English summary.
- 12839 SMYSER, C. F., and others. Field and laboratory observations on *Salmonella heidelberg* infection in three chicken breeding flocks. *Avian Dis.* 10(3):314-329. Ref. Aug. 1966. 41.8 Av5 N. Adinarayanan, H. Van Roekel, and G. H. Snoeyenbos, joint authors.
- 12840 SPALATIN, J. S., and HANSON, R. P. Recovery of a Newcastle disease virus strain indistinguishable from Texas GB. *Avian Dis.* 10(3):372-374. Aug. 1966. 41.8 Av5
- 12841 SRINIVASAN, V. V., and RAO, S. B. V. The histopathological studies of chronic respiratory disease. II. *Indian Vet. J.* 43(7):576-579. Ref. July 1966. 41.8 In2
- 12842 STARCHER, B., and HILL, C. H. Isolation and characterization of induced ceruloplasmin from chicken serum. *Biochim. Biophys. Acta* 127(2):400-406. Ref. Oct. 31, 1966. 381 B522 Induced by stress.
- 12843 STECK, F. T., and RUBIN, H. The mechanism of interference between an avian leukosis virus and Rous sarcoma virus. I-II. *Virology* 29(4):628-653. Ref. Aug. 1966. 448.8 V81
- 12844 STIPKOVITS, L. Bacterial blood infection of baby chicks. (Hu) *Magyar Mezőgazdaság* 21(35):20. Aug. 31, 1966. 19 M27 *Escherichia coli*.
- 12845 STOICHEV, S. Electrophoretic study of sera from erythroblastosis and healthy chicks. (Bu) *Vet. Med. Nauk.* 3(2):185-194. Ref. 1966. 41.8 V6468 English summary.
- 12846 SUCCI, G., and VILLA, G. Observations on the injection of some hormones in chicks of both sexes. (It) *Zootec. Vet.* 21(5/6):120-132. May/June 1966. 41.8 Z7 English summary.
- 12847 SUGANO, M., CHINEN, I., and WADA, M. Further studies of the fatty acid specificity of cholesterol esterification in chicken serum; relative participation of classes of lipoproteins in laying hen serum. *J. Biochem.* 60(2):147-153. Ref. Aug. 1966. 385 J822
- 12848 SUMROV, I., DZHANKOV, I., and NIKOLOVA, M. A study of the role of Bursa fabricii in the immunity against spirochaetosis in fowl. (Bu) *Vet. Med. Nauk.* 3(3):311-316. Ref. 1966. 41.8 V6468 English summary.
- 12849 SWANSON, M. H. Reduce disease risk with sanitation. *Poultry Trib.* 72(10):28, 49. Oct. 1966. 47.8 B8642
- 12850 TEMESI, Z. Experiments on the etiology of goose influenza. (Hu) *Magyar Allatorv. Lapja* 21(9):385-388. Sept. 1966. 41.8 V644 English summary.
- 12851 THOMMES, R. C., and JUST, J. J. A re-evaluation of the effects of "hypophysectomy" by surgical decapitation on the glycogen content of the glycogen body of the developing chick embryo. *Endocrinology* 79(5):1021-1022. Ref. Nov. 1966. 448.8 En2
- 12852 TRAGER, G. W., and RUBIN, H. Mixed clones produced following infection of chick embryo cell cultures with Rous sarcoma virus. *Virology* 30(2):275-285. Oct. 1966. 448.8 V81
- 12853 TRUSZCZYNSKI, M., CIOSEK, D., and CAKALA, A. *Escherichia coli* antibodies in sera of hens showing symptoms of diseases of the respiratory system. (Pol) *Med. Weter.* 22(4):200-204. Ref. Apr. 1966. 41.8 M463 English summary. Especially mycoplasmosis.
- 12854 VEGH, E. On the improvement of fowl typhoid control. (Hu) *Magyar Allatorv. Lapja* 21(9):417-419. Sept. 1966. 41.8 V644 English summary.
- 12855 WALTON, J. R. In vivo transfer of infectious drug [antibiotics] resistance. *Nature [London]* 211(5046):312-313. July 16, 1966. 472 N21 *Escherichia coli* and *Salmonella typhimurium* in poultry.
- 12856 WIGHT, P. A. L. Histopathology of the skeletal muscles in fowl paralysis (Marek's disease). *J. Comp. Pathol.* 76(4):333-339. Ref. Oct. 1966. 41.8 J82

- 12857 WILLIAMS, B. J., and NEWKIRK, H. L. Pseudomonas infection of one-day-old chicks resulting from contaminated antibiotic solutions. *Avian Dis.* 10(3):353-356. Aug. 1966. 41.8 Av5 P. aeruginosa.
- 12858 WOERNLE, H. The use of the agar-gel diffusion technique in the identification of certain avian virus diseases. *Veterinarian [Oxford]* 4(1):17-26. Ref. June 1966. 41.8 V6467 Includes review of literature.
- 12859 WOOD, H. A., GARDNER, W. A., and TABER, E. A re-investigation of the effects of nilevar on the right gonad of the pullet. *Nature [London]* 211(5048):536-537. July 30, 1966. 472 N21
- 12860 YAMAMOTO, R., and CLARK, G. T. Intra- and interlock transmission of Haemophilus gallinarum. *Amer. J. Vet. Res.* 27(120):1419-1425. Sept. 1966. 41.8 Am3A
- 12861 YAMAMOTO, R., and ORTMAYER, H. B. Pathogenicity of Mycoplasma meleagridis for turkey and chicken embryos. *Avian Dis.* 10(3):268-272. Ref. Aug. 1966. 41.8 Av5
- 12862 YOUSSEF, M. K., MCFARLAND, L. Z., and WILSON, W. O. Ambient temperature effects on hypothalamic, rectal and skin temperatures in Coturnix. *Life Sci.* 5(20):1867-1896. Oct. 1966. 442.8 L62
- 12863 ZAGAREVSKII, I. S. Salmonellosey s'kokho-zaistvennykh ptits [Salmonella infections of farm poultry]. Moskva, Kolos, 1966. 120 p. SF995.Z3 Bibliography, p.114-120.
- Miscellaneous
- 12864 ANDERSSON, H. Good prospects for modern egg production. (Sw) Skaraborgs Lans Husallningssallsk. Tidsn. 3:44-46. June 1966. 11 Sk1 Farm management.
- 12865 ANDERSSON, P. Right brooding and hatching. (Sw) Honsgarden 2:56-57. In Tidskr. Lantman Andelsfolk 19. Oct. 15, 1966. 20 T43
- 12866 BARON, M. Poultry keeping in schools. Oxford, Pergamon Press, 1966. 134 p. (The Commonwealth and International Library of Science, Technology, Engineering, and Liberal Studies. Rural and Environmental Studies Division, 2546/66) SF487.B3
- 12867 BERGER, R. Battery and ground raising, a critical comparison. (Ge) Kraftfutter 49(9):450,452,454. Sept. 1966. 389.78 K85
- 12868 DAHL, O. T. Raising turkey on netting. (No) Fjortte 83(9):191-193. Sept. 1966. 47.8 T432
- 12869 EDGAR, S. A. Hatchery management affects poultry production. Highlights Agr. Res. [Ala. Sta.] 113(3):8. Fall 1966. 100 AL1H
- 12870 FINNE, L. Forced molting of first year layers. (Sw) Honsgarden 2:52. In Tidskr. Lantman Andelsfolk 19. Oct. 15, 1966. 20 T43
- 12871 HARRY, E. G., and GORDON, R. F. Egg and hatchery hygiene. *Veterinarian [Oxford]* 4(1):5-15. Ref. June 1966. 41.8 V6467
- 12872 HUSTON, T. M. The effect of environment on broiler production. Merck Agr. Memo 10(3):3-5. Winter 1965/66. 41.8 M53 Housing temperature.
- 12873 IMPE, J. VAN, and others. Comparative "in vitro" investigations on the antibacterial and antimycotic activity of the antiseptics: Deleqol, Dettol, Tego 51 and Tekresol. (Fl) Vlaams Diergeneesk. Tijdschr. 35(7/8):339-352. July/Aug. 1966. 41.8 V84 N. Vienne, A. Devos, and L. Spanoghe, joint authors. English summary. With relation to poultry housing sanitation.
- 12874 JORDAN, H. C. The real enemies of poultry profits. *Poultry Trib.* 72(11):19,66. Nov. 1966. 47.8 P842 Farm and labor management.
- 12875 KLEINTIERZUCHT in forschung und lehre, band 14: Celler Jahrbuch 1965 [Small animal rearing in research and teaching, volume 14: Celler Yearbook 1965]. Celle 1965. 81 p. 49 K676 Edited by A. Mehner for the Bundesforschungsanstalt fur Kleintierzucht. Includes research activities and publications on poultry and fur-animals.
- 12876 LAGERVALL, M. Hens on the floor or in battery. (Sw) Skaraborgs Lans Husallningssallsk. Tidsn. 4:70-71. Aug. 1966. 11 Ak1
- 12877 LEE-TANG, E., and SHERMAN, S. M. Memory consolidation of one-trial learning in chicks. *Nat. Acad. Sci. Proc.* 56(3):926-931. Sept. 15, 1966. 500 N21P
- 12878 LOHLE, K., and MULSOW, D. Investigations on the asymmetry of carcass and on some quality traits in broilers. (Ge) Arch. Gefluegelzucht Kleintierkunde 15(4):229-241. Ref. 1966. 47.8 Ar22 English summary.
- 12879 MINNESOTA. DEPT. OF AGRICULTURE. DIV. OF POULTRY INDUSTRIES. 1965-1966 final report, ninth Minnesota Random Sample Egg Production Test. St. Paul, 1966. 20 p. 47.9 M662
- 12880 OSTRANDER, C. E. Reducing odors—a big problem. *Cornell Poultry Pointers* 18(3):8-9. Sept. 1966. 47.8 C81 In poultry housing.
- 12881 PASCUAL-LEONE, A. M. Relation between poultry production and globulinic region of the electrophoresis of egg-whites, on starch gel in Leghorn hens. (Sp) Arch. Zootec. 15(58):141-163. Ref. Apr./June 1966. 49 Ar22 English summary.
- 12882 PETERSEN, V. E. The Progeny Testing Station for Poultry [Afkomprovestation for Hons] at Favholm. (Da) Denmark. Landokon. Forsogslab. Arb. 1965(fall meeting):198-211. 49.9 D41
- 12883 SCHOLES, N. W., and WHEATON, L. G. Critical period for detour learning in developing chicks. *Life Sci.* 5(20):1859-1865. Oct. 1966. 442.8 L62
- 12884 SPILER, E. Problems of veterinary sanitary inspection of poultry slaughterhouses. (Sl) Soc. Kmetijstvo Gostdarstvo 17(7):154-155. May 1966. 21.5 S04
- 12885 TELLO, M. P. Factors influencing egg production. (Por) Gaz. Agr. [Lourenco Marques] 18(200):17-19. Jan. 1966. 24 G25
- 12886 TIUSANEN, A. Deep litter. (Sw) Honsgarden 2:48. In Tidskr. Lantman Andelsfolk 19. Oct. 15, 1966. 20 T43 For poultry in Finland.
- 12887 TOTH, M., KRUDY, G., and VALTER, T. After-rearing of New Hampshire pullets in migrant and closed roosts and its effect on egg production. (Hu) Allattenyesztes 15(3):259-264. Sept. 1966. 49 AL57 English summary.
- 12888 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Farm poultry management. U. S. D. A. Farmers' Bull. 2197, slightly rev., 32 p. Sept. 1966. 1 AR84F
- 12889 VARADARAJULU, P., REDDY, V. B., and SUBBARAYUDU, D. Effect of egg-size, shape and specific gravity on hatchability in domestic fowl. *Indian Vet. J.* 43(7):629-633. Ref. July 1966. 41.8 In2
- RABBITS**
- Breeds and Breeding
- 12890 CZAJA-GUBRYNOWICZ, A. Fur quality comparison of improved and pure Polish White rabbit. (Pol) Roczn. Nauk Roln. 87-B:2-245-256. Ref. 1965. 20.5 R59 English summary.
- 12891 GULYAS, B. J. In vitro maintenance of rabbit sperm at room temperature. *Nature [London]* 211(5052):987. Aug. 27, 1966. 472 N21
- 12892 KAWINSKA, J. Growth rhythm of rabbits of the White Vienna and French Ram breeds. (Pol) Roczn. Nauk Roln. 87-B:2-257-273. Ref. 1965. 20.5 R59 English summary.

- 12893 KAWINSKA, J. Investigations on the utility value of rabbits of the "French Ram" breed. (Pol) Roczn. Nauk Roln. 85-B-3:427-444. Ref. 1965. 20.5 R59
English summary.
For meat production.
- 12894 MENZIES, W. J., and TURNBULL, K. E. The effect of stilboestrol dipropionate on reproduction in the rabbit. Australian J. Sci. 28(12): 462-463. June 1966. 475 Au72
Feeds and Feeding
- 12895 MOORE, J. H., and WILLIAMS, D. L. The effect of an atherogenic diet on plasma lipid composition and aortic atherosclerosis in two strains of New Zealand White rabbit. Brit. J. Nutr. 20(3): 571-580. Ref. 1966. 389.8 B773
Veterinary Medicine
- 12896 APPELEYARD, G., and WAY, H. J. Thiosemicarbazone-resistant rabbit pox virus. Brit. J. Exp. Pathol. 47(2):144-151. Apr. 1966. 448.8 B772
- 12897 BAILEY, J., and MCBEE, R. H. The magnitude of the rabbit caecal fermentation. Mont. Acad. Sci. Proc. 24:35-38. 1964, pub. 1965. 500 M762
- 12898 BECKER, C. H. Electron optical observations on the role of lung in the reproduction of Augesky's disease virus. (Ge) Arch. Exp. Veterinarmed. 20(2):339-350. Apr. 1966. 41.8 Ex7
Rabbits.
- 12899 BERNARD, J. First data on helminth parasites of domestic rabbits. *Oryctolagus cuniculus* L. in Tunisia. (Fr) Inst. Pasteur Tunis. Arch. 42 (2):193-204. June 1965. 448.3 In72
- 12900 BERTHELOU, M., and RAMPIN, D. Study of experimental intrauterine infection in the rabbit: its consequences. (Fr) Rev. Med. Vet. [Toulouse] 117(6):487-495. June 1966. 41.8 R32
English summary.
The question of reproduction.
- 12901 EDINGTON, N., and HOWELL, J. M. Changes in the nervous system of rabbits following the administration of sodium diethyldithiocarbamate. Nature [London] 210(5040):1060-1062. June 4, 1966. 472 N21
- 12902 FINDLAY, A. L. R. Sensory discharges from lactating mammary glands. Nature [London] 211(5054):1183-1184. Sept. 10, 1966. 472 N21
In rabbits.
- 12903 GELL, P. G. H., and KELUS, A. S. Lack of natural tolerance of allotypic gamma-globulins in rabbits. Nature [London] 211(5050):766-767. Ref. Aug. 13, 1966. 472 N21
- 12904 GRICUTE, L. Experimental pulmonary adenomatosis in rabbits. Int. Conf. Cancer, Proc., 3d Conf.:789-797. 1965, pub. 1966. SF605.15
Includes discussion.
- 12905 HOOPER, K. C. The metabolism of oxytocin during lactation in the rabbit. Biochem. J. 100(3):823-826. Sept. 1966. 382 B52
- 12906 KE, Y. H., and HO, M. Heterogeneity of rabbit serum interferons. Nature [London] 211(5048): 541-542. July 30, 1966. 472 N21
- 12907 KRYUKOVA, I. N. On two types of interaction of Rous sarcoma virus (Carr strain) with mammalian cells in vivo. Acta Virol. 10(5):440-449. Ref. Sept. 1966. 448.3 Ac85
Rabbits, rats and mice.
- 12908 MICHALSKA, Z. Experimental poisoning of rabbits with sodium chloride. (Pol) Med. Weter. 22(4):223-225. Ref. Apr. 1966. 41.8 M463
English summary.
- 12909 MIERZEJEWSKA, M. White blood cells in rabbits and swine infected with inactivated, lapinized and virulent strains of swine fever virus. (Pol) Pol. Arch. Weter. 8(4):612-629. Ref. 1965. 41.8 P76
English summary.
- 12910 MOORE, J. H., and WILLIAMS, D. L. Studies on the cholesterol esters of the adrenal glands and other tissues of the rabbit. Biochim. Biophys. Acta 125(2):352-366. Ref. Oct. 3, 1966. 381 B522
- 12911 MORAN, T. J. Effects of cortisone on pulmonary epithelium regeneration. Int. Conf. Cancer. Proc., 3d Conf.:923-932. 1965, pub. 1966. SF605.15
Rabbits.
Includes discussion.
- 12912 NOVAK, J., DYK, V., and ZAVADIL, R. Autumnal parasitofauna in the digestive organs of rabbits from South Moravia and South Slovakia. (Ge) Brno. Vysoka Sk. Zemedel. Rada B. Spisy Fak. Vet. 1:49-58. Ref. 1966. 105.92 B833
English summary.
- 12913 PREIBISCH, J. Morphology of lesions and cytochemical estimations of DNA in the brain of rabbits experimentally inoculated with virus of rabies and anti-rabies vaccine. I-II. (Pol) Pol. Arch. Weter. 9(1):197-225. Ref. 1965. 41.8 P76
English summary.
- 12914 SAVYTS'KYI, V. I. Change in aminotransferase activity under the effect of biogenic stimulants. (Ukr) Ukr. Biokhim. Zhur. 38(4):392-397. 1966. 385 UK72
English summary.
Rabbits.
- 12915 SORSBY, A., READING, H. W., and BUNYAN, J. Effect of vitamin A deficiency on the retina of the experimental rabbit. Nature [London] 210(5040):1011-1015. Ref. June 4, 1966. 472 N21
- 12916 SZEMEREDI, GY. On the development and control measures of rabbit pasteurellosis. (Hu) Magyar Allatorv. Lapja 21(8):366-367. Aug. 1966. 41.8 V644
- 12917 SZKUTNIK, Z. The influence of low environmental temperature on cellular blood elements and weight gain in rabbits. (Pol) Pol. Arch. Weter. 9(1):109-118. Ref. 1965. 41.8 P76
English summary.
- 12918 SZKUTNIK, Z. Protein fractions and electrolytes in blood serum of rabbits in low environmental temperature. (Pol) Pol. Arch. Weter. 9(1):99-108. Ref. 1965. 41.8 P76
English summary.
- 12919 TOTH, Z., and OBARA, T. The volume of blood circulating and the life of erythrocytes in rabbits. (Pol) Med. Weter. 22(6):369-371. June 1966. 41.8 M463

Miscellaneous

- 12920 TELLO, M. P. The domestic rabbit, its raising and exploitation. (Por) Gaz. Agr. [Lourenco Marques] 18(200):12-16. (Cont.) Jan. 1966. 24 G25
- 12921 TELLO, M. P. The domestic rabbit, its raising and exploitation. (Por) Gaz. Agr. [Lourenco Marques] 18(201):42-46. (Concl.) Feb. 1966. 24 G25

SHEEP AND GOATS

Breeds and Breeding

- 12922 ANTIC, A. Relations between some production properties of the Bardoka sheep breed of Metohija. (Se) Stokarstvo 20(3/4):153-157. Mar./Apr. 1966. 43.8 St6
Chiefly milk and wool production.
- 12923 BERRY, M. The Anglo-Nubian breed in Australia. Brit. Goat Soc. Year Book 1966:91. 40.19 B77
- 12924 BODY, D. R., SHORLAND, F. B., and GASS, J. P. The foetal and maternal lipids of Romney sheep. I-II. Biochim. Biophys. Acta 125(2):207-225. Ref. Oct. 3, 1966. 381 B522

- 12925 BONADONNA, T. The Palas Merino breed. (Il) *Agricoltura* 15(8):59-64. Aug. 1966. 16 Ag8226
- 12926 BONFERT, A. Goats and sheep. (Ge) *Tierzucht* 18(20):707-709. Oct. 20, 1966. 49 T445
Artificial insemination.
- 12927 CHMIELNIK, H. The influence of the castration time on the weight increase and slaughtering value of young wethers. (Pol) *Rocz. Nauk Roln.* 85-B-3:367-374. Ref. 1965. 20.5 R59
English summary.
Of the Polish Merino breed.
- 12928 CLARKE, J. N., and others. Hormonal synchronization of oestrus in Romney ewes during the breeding season. *New Zeal. Soc. Anim. Prod. Proc.*, 26th Annu. Conf. :107-121. 1966. 49.9 N483
E. M. Roberts, A. H. Carter, and A. H. Kirton, joint authors.
- 12929 CREPIN, P. The riddles of the Schwarzhals goat. (Fr) *Mouton* 21(8/9):79-80. Aug./Sept. 1966. 45.8 M86
- 12930 DICKINSON, A. G., and others. Genetical control of susceptibility to experimental challenge with scrapie in Cheviot sheep. *U. S. Agr. Res. Serv. ARS* 91-53:249-250. 1964, pub. 1966. A41.9 R315Ar
J. T. Stamp, C. C. Renwick, and W. Smith, joint authors.
- 12931 DICKINSON, A. G., and others. Scrapie in Suffolk sheep: a genetical investigation using experimental matings. *U. S. Agr. Res. Serv. ARS* 91-53:228-244. 1964, pub. 1966. A41.9 R315Ar
G. B. Young, J. T. Stamp, and C. C. Renwick, joint authors.
Includes discussion.
- 12932 DOWNES, A. M., and others. A study of the proteins of the wool follicle. *Australian J. Biol. Sci.* 19(2):319-333. Ref. Apr. 1966. 44.2.8 Au72
K. A. Ferguson, J. M. Gillespie, and B. S. Harrop, joint authors.
Studied with 35S in English Leicester X Merino crossbred rams.
- 12933 ELY, E. E. M. Handling a male. *Brit. Goat Soc. Year Book* 1966:26. 40.19 B77
Care.
- 12934 FREY, A., and WIECZOREK, J. Topography of the thickness of wool in fleece of Polish Merino sheep of the flock and the attempt to establish the representative place for this feature. (Pol) *Rocz. Nauk Roln.* 87-B-1:117-126. Ref. 1965. 20.5 R59
English summary.
- 12935 GORDON, W. S. Variation in susceptibility of sheep to scrapie and genetic implications. *U. S. Agr. Res. Serv. ARS* 91-53:53-68, map. 1964, pub. 1966. A41.9 R315Ar
- 12936 HALLGRIMSSON, S. Genetic variation within breeds in relation to fertility of sheep. (No) *Nord. Jordbrugsforsk.* 47(4):330-332. 1965. 11 N752
- 12937 JANCIC, S. Length of gestation in ewes of Pramenka sheep breed and of their F. Merino crosses. (Se) *Agron. Glas.* 15(7/8):521-527. Ref. 1965. 21.5 Ag84
English summary.
- 12938 KARETA, W., OSKOWSKI, M., and WIERZBOWSKI, S. An attempt at artificial insemination of sheep at the ram-testing stations. (Pol) *Med. Weter.* 22(6):342-345. Ref. June 1966. 41.8 M463
- 12939 KRISTOFFY, W. The effect of the crossing of Rumanian sheep breeds with the Merino rams on the wool production. (Rum) *Rev. Gosp. Agr. Stat* 18(7):24-25. July 1966. 21 R32
- 12940 MACIEJEWSKA, M. Wool keratoses of sheep of some Polish breeds and their crosses. (Pol) *Rocz. Nauk Roln.* 86-B-1:43-52. Ref. 1965. 20.5 R59
English summary.
- 12941 MCDONALD, M. F., and CH'ANG, T. S. Variation in ovarian activity of Romney Marsh ewes. *New Zeal. Soc. Anim. Prod. Proc.*, 26th Annu. Conf. :98-106. 1966. 49.9 N483
- 12942 MERCIK, I. Staple length influence on productivity of non-scoured and scoured fleece of sheep breeds Polish Merino and Czarnoglowka (Polish Blackheaded Mutton sheep). (Pol) *Rocz. Nauk Roln.* 86-B-3:477-484. Ref. 1965. 20.5 R59
English summary.
- 12943 MINAKOWSKI, W., and STRZEZEK, J. Electrophoretic separation of ram semen amino acids. (Pol) *Rocz. Nauk Roln.* 88-B-3:317-323. Ref. 1966. 20.5 R59
English summary.
- 12944 MUGGLI, J. Saanen and Toggenburg goats in Switzerland. *Brit. Goat Soc. Year Book* 1966:27-29. 40.19 B77
- 12945 NEWMAN, G. Goats at Compton. *Brit. Goat Soc. Year Book* 1966:37-38. 40.19 B77
Breeding and general care at the Institute for Research on Animal Diseases.
- 12946 OSTKOWSKI, M., NAWARA, W., and RZEPECKI, R. Wstępna ocena tryków rasy Merynos na podstawie badania wartości użytkowej potomstwa w owczarniach macierzystych za rok 1964. Preliminary Merino ram evaluation on the basis of the utility value of the progeny in maternal sheep flocks during 1964. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 193, 89 p. Ref. 1965. 49.9 K85W
English summary.
- 12947 OZKOCA, A. Studies about dilution and storage of ram semen. VI. (Tu) *Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi* 5(3/4):101-106. Ref. Sept./Dec. 1965. 49.9 An6
English summary.
- 12948 RADOMSKA, M. J. Comparative investigations on some methods of progeny testing of rams. I. Analysis of methods. (Pol) *Rocz. Nauk Roln.* 86-B-1:1-22. Ref. 1965. 20.5 R59
English summary.
- 12949 RADOMSKA, M. J. Comparative investigations on some methods of progeny testing in the sheep. II. Analysis of collection's characters. (Pol) *Rocz. Nauk Roln.* 86-B-3:459-476. Ref. 1965. 20.5 R59
English summary.
Of Polish Merino rams.
- 12950 ROBINET, A. H. Goat breeds and milk production in Africa. (Fr) *Mouton* 21(8/9):73-74. Aug./Sept. 1966. 45.8 M86
- 12951 SANDIKIOGLU, M., and OZCAN, K. Studies on the wool follicles of Rambouillet X Akkaraman ewes. (Tu) *Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi* 5(3/4):89-100. Sept./Dec. 1965. 49.9 An6
English summary.
- 12952 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. The flock book of Border Leicester sheep. Vol. 67. Perth, 1965. 438 p. 45.9 Sol
- 12953 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. The flock book of Border Leicester sheep. Vol. 68. Perth, 1966. 435 p. 45.9 Sol
- 12954 TANEJA, G. C. Fertility in sheep. I. Conception rate in relation to lamb survival. *Indian Vet. J.* 43(8):727-734. Aug. 1966. 41.8 In2
- 12955 UTKANLAR, N., and others. A study on some characteristics of Daglic's wool. (Tu) *Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi* 5(3/4):70-88. Ref. Sept./Dec. 1965. 49.9 An6
F. Imeryuz, S. Muftuoglu, and K. Oznacar, joint authors.
English summary.
- 12956 WALES, R. G., and RESTALL, B. J. The metabolism of ram spermatozoa in the presence of genital fluids of the ewe. *Australian J. Biol. Sci.* 19(1):199-209. Ref. Feb. 1966. 44.2.8 Au72
- 12957 WALES, R. G., and O'SHEA, T. The oxidative utilization of fructose and acetate by washed ram spermatozoa in the presence or absence of potassium and magnesium. *Australian J. Biol. Sci.* 19(1):167-180. Ref. Feb. 1966. 44.2.8 Au72

Feeds and Feeding

Veterinary Medicine

- 12959 DAVIES, H. L., SOUTHEY, I. N., and GOOD-ALL, D. W. Effect of stocking rate and lambing time on gestation length in sheep. *Nature [London]* 211 (5052):998-999. Aug. 27, 1966. 472 N21
- 12959 GAILLARD, B. D. E. Calculation of the digestibility for ruminants of roughages from the contents of cell-wall constituents. *Neth. J. Agr. Sci.* 14(3):215-223. Ref. Aug. 1966. 12 N3892
- 12960 GAWECKI, K., and FRELICH, A. Mushroom meals in feeding sheep. (Pol) *Rocz. Nauk Roln.* 87-B-3:375-382. 1966. 20.5 R59 English summary.
- 12961 IMANABADI, J., BORMANN, P., and WASSMUTH, R. Contribution to the problem of feeding fattening lambs according to a norm. (Ge) *Zuchtungskunde* 38(7):330-333. Aug./Sept. 1966. 49 Z8 English summary.
- 12962 LEDGER, F. The goat garden. *Brit. Goat Soc. Year Book* 1966:89-90. 40.19 B77 Feed crops.
- 12963 MUSANGI, R. S. Feed intake studies in ruminants. I. The digestibility of a tropical grass/legume herbage mixture during the dry season. *Sols Afr.* 10(2/3):313-316. May/Dec. 1965. 56.8 So4 Text also in French, p.317-320. Sheep.
- 12964 ORSKOV, E. R., and ALLEN, D. M. Utilization of salts of volatile fatty acids by growing sheep. 3-4. *Brit. J. Nutr.* 20(3):509-532. Ref. 1966. 389.8 B773 3. Effect of frequency of feeding on the utilization of acetate and propionate by young growing lambs; 4. Effects of type of fermentation of the basal diet on the utilization of salts of volatile fatty acids for nitrogen retention and body gains.
- 12965 PIETERSE, P. J. S., and others. The effect of various supplementary levels of urea and maize on nitrogen utilization by sheep fed poor quality roughage. *S. Afr. J. Agr. Sci.* 9(1):87-92. Mar. 1966. 24 Su3 S. F. Lesch, F. J. Oosthuizen, and D. P. LeRoux, joint authors.
- 12966 RUCKEBUSCH, Y., LAPLACE, J. P., and PERRET, J. P. Research on the nutritional behavior of ruminants. IV. The influence of water consumption. (Fr) *Rev. Med. Vet. [Toulouse]* 117(6):513-519. June 1966. 41.8 R32 English summary. Sheep studied.
- 12967 RUSZCZYC, Z., and others. The effect of urea, liquid ammonium sulphate and ammonium bisulphate added to the corn silage on the chemical composition, nutrient losses and utilization by sheep. (Pol) *Rocz. Nauk Roln.* 85-B-4:527-536. Ref. 1965. 20.5 R59 J. Pres, D. Slawinska-Jamroz, and Z. Fritz, joint authors. English summary.
- 12969 SEARLES, G. W. Vitamin B. *Brit. Goat Soc. Year Book* 1966:47. 40.19 B77 In goat nutrition.
- 12969 SPEDDING, C. R. W. Grazing management and the control of parasitism in sheep. *World Rev. Anim. Prod.* 2:92-99. Ref. Apr./June 1966. 49 W89
- 12970 WIGGINS, E. L. Finishing spring-born lambs in drylot. *Highlights Agr. Res. [Ala. Sta.]* 13 (2):3. Summer 1966. 100 AL1H
- 12971 ZALUSKA, K. Investigations on the alimentary nutritive value of a chemically prepared straw used in sheep nutrition. (Pol) *Rocz. Nauk Roln.* 86-B-1:23-42. Ref. 1965. 20.5 R59 English summary.
- 12972 ZIOLECKA, A. Faecal-index technique for estimating herbage consumption and digestibility by grazing wethers. (Pol) *Rocz. Nauk Roln.* 86-B-4:657-662. 1965. 20.5 R59 English summary.
- 12973 ABDUL-KARIM, R. W., NESBITT, R. E. L., and PRIOR, J. T. Study of the effects of experimentally induced endocrine insults upon pregnant and nonpregnant ewes. I. Fertil. Steril. 17(5):637-647. Ref. Sept./Oct. 1966. 448.8 F41 Effects of Ethamoxitriphenol (MER-25).
- 12971 ALIEV, A. A. Catheterization of portal and hepatic veins in sheep. (Rus) *Fiziol. Zh. SSSR*, I. M. Sechenova 52(9):1156-1160. Sept. 1966. 444.9 F58
- 12975 ANDERSON, R. C., and STRELIVE, U. R. Experimental cerebrospinal nematodiasis (*Pneumostromylus tenuis*) in sheep. *Can. J. Zool.* 44(5):889-894. Sept. 1966. 470 C16D
- 12976 ANDERSON, R. J. A review of scrapie program in the United States. U. S. Agr. Res. Serv. *ARS* 91-53:299-300. 1964, pub. 1966. A41.9 R315Ar Sheep.
- 12977 AYOUB, L. A. L. L. Jodstoffwechsel-Untersuchungen an Ziegen während der Laktation, Gravidität und nach intramuskulärer Zufuhr von Oestradiol mit Hilfe von Radio-Jod [Investigations on iodine metabolism of goats during lactation, pregnancy and following intramuscular administration of estradiol with the help of radio-iodine]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 1,101 p. 1966. 41.2 H198 Bibliography, p.69-80.
- 12979 BARKER, C. A. V. Synchronization of estrus in dairy goats by progesterin impregnated vaginal pessaries. *Can. Vet. J.* 7(10):215-218. Oct. 1966. 41.8 R3224
- 12979 BARR, M. A stroke of lightning. *Vet. Rec.* 79 (6):170-172. Aug. 6, 1966. 41.8 V641 Responsible for the death of sheep and horses.
- 12980 BASSETT, J. M., and WALLACE, A. L. C. Diluents for insulin standards in immuno-assay of insulin in undiluted ovine plasma by a double antibody technique. *J. Endocrinol.* 36(1):99-100. Sept. 1966. 448.8 J8293
- 12981 BLAXTER, K. L., CLAPPERTON, J. L., and MARTIN, A. K. The heat of combustion of the urine of sheep and cattle in relation to its chemical composition and to diet. *Brit. J. Nutr.* 20(3):449-460. 1966. 389.8 B773
- 12982 BOEV, B., and FILEV, F. Investigations into the pathogenic *Staphylococcus* in ewe's milk. (Bu) *Vet. Med. Nauk.* 2(2):1005-1011. Ref. 1965. 41.8 V6468 English summary. Affected with mastitis.
- 12983 BOHOSIEWICZ, M., and MIEDZOBRODZKI, K. Studies on the behaviour of urea, ammonia and pH in the rumen content of sheep following the administration of various urea doses. (Pol) *Wroclaw. Wyzsza Szkoła Roln.* Zeszyty Nauk. Weter. 19:141-151. 1966. 41.9 B753 English summary.
- 12984 BOYER, S. H., and others. Hemoglobins in sheep: multiple differences in amino acid sequences of three beta-chains and possible origins. *Science* 153(3743):1539-1543. Ref. Sept. 23, 1966. 470 Sc12 P. Hathaway, P. Pascasio, C. Orton, J. Bordley, and M. A. Naughton, joint authors.
- 12985 BROTHERSTON, J. G., and others. Tissue culture studies on scrapie. U. S. Agr. Res. Serv. *ARS* 91-53:282-287. 1964, pub. 1966. A41.9 R315Ar J. T. Vantis, J. M. K. Mackay, and A. Drysdale, joint authors. In sheep and goats.
- 12986 BROWN RIGG, P. W. Scabby mouth, painful disease of sheep. *S. Australia J. Agr.* 69(12):434-436. July 1966. 23 So84
- 12987 BRUNSDON, R. V. Importance of the ewe as a source of trichostrongyle infection for lambs: control of the spring-rise phenomenon by a single postlambing anthelmintic treatment. *New Zeal. Vet. J.* 14(4):3-125. Ref. Aug. 1966. 41.8 N483 Thiabendazole used.

- 12988 BRUNSDON, R. V. Internal parasites of sheep and their effects on production. New Zeal. Soc. Anim. Prod. Proc., 26th Annu. Conf.:165-181. 1966. 49.9 N483
- 12989 CAKALA, S. Effect of high temperature on the reticuloruminant motility in the goats. (Pol) Pol. Arch. Weter. 9(2):227-237. Ref. 1965. 41.8 P76
English summary.
- 12990 CIORDIA, H., BIZZELLI, W. E., and NEVILLE, W. E. The antihelmintic activity of naphthalen-1,10-diethyl-O-(naphthaloximido) phosphate in ewes. Ga. Vet. 18(3):13-15. May/June 1966. 41.8 G29
- 12991 COHRS, P. Infectious lung adenomatosis of sheep. Int. Conf. Cancer. Proc., 3d Conf.:295-300. Ref. 1965, pub.1966. SF605.15
Includes causes.
Discussion, p.311-314.
- 12992 CUNNINGHAM, A. J., SMITH, J. B., and MERCER, E. H. Antibody formation by single cells from lymph nodes and efferent lymph of sheep. J. Exp. Med. 124(4):701-714. Ref. Oct.1,1966. 448.8 J822
- 12993 CZERKAWSKI, J. W., BLAXTER, K. L., and WAINMAN, F. W. The effect of functional groups other than carboxyl on the metabolism of C₁₂ and C₁₄ alkyl compounds by sheep. Brit. J. Nutr. 20(3):495-508. 1966. 389.8 B773
- 12994 DAVIS, M., and others. 4-Cyano-2-iodo-6-nitrophenol—a new fasciolicide. Nature [London] 211(5051):882-883. Aug.20,1966. 472 N21
J. M. S. Lucas, J. Rosenbaum, and D. E. Wright, joint authors.
To control Fasciola hepatica in sheep and cattle.
- 12995 DEJNEKA, J., and ZIEBA, D. Contribution to the performance of canule fistulae on the rumen in sheep. (Pol) Wrocław, Wyższa Szkoła Roln. Zeszyty Nauk, Weter. 19:177-180. 1966. 41.9 B753
English summary.
- 12996 DEJNEKA, J., and others. Effect of wakening up by luminous and sonic stimuli on the motor activity of the rumen in sheep. (Pol) Wrocław, Wyższa Szkoła Roln. Zeszyty Nauk, Weter. 19:169-175. Ref. 1966. 41.9 B753
S. Gutowski, Z. Leroch, J. Wasilewski, and D. Zieba, joint authors.
English summary.
- 12997 DENNIS, S. M. Perinatal staphylococcal infections of sheep. Vet. Rec. 79(2):38-40. Ref. July 9,1966. 41.8 V641
Caused by Staphylococcus aureus in Australia.
- 12998 DICKINSON, A. G., and SMITH, W. Adaptation of the SSBP/1 scrapie agent from sheep to mice. U. S. Agr. Res. Serv. ARS 91-53:251-252. 1964, pub.1966. A41.9 R315Ar
Material from scrapie sheep brain.
- 12999 DICKINSON, A. G., and others. The distribution of scrapie in sheep of different ages. U. S. Agr. Res. Serv. ARS 91-53:207-213. 1964, pub. 1966. A41.9 R315Ar
G. B. Young, J. T. Stamp, and C. C. Renwick, joint authors.
Includes discussion.
- 13000 DICKINSON, A. G., YOUNG, G. B., and RENWICK, C. C. Scrapie; experiments involving maternal transmission in sheep. U. S. Agr. Res. Serv. ARS 91-53:244-248. 1964, pub.1966. A41.9 R315Ar
Includes discussion.
- 13001 DIPLOCK, P. T. Pregnancy toxemia in ewes. Power Farming Australia New Zeal. Better Farming Dig. 75(9):33. Sept.1966. 58.8 P87
- 13002 DOBSON, C. The demonstration of the antibodies in the intestinal mucus of sheep infected with Oesophagostomum columbianum by means of the percutaneous anaphylaxis test. Australian J. Biol. Sci. 19(2):339-340. Apr.1966. 442.8 Au72
- 13003 DOBSON, C. Immunofluorescent staining of globule leucocytes in the colon of the sheep. Nature [London] 211(5051):875. Aug.20,1966. 472 N21
Infected by Oesophagostomum columbianum.
- 13004 DOWNEY, N. E. Some relationships between trichostrongylid infestation and cobalt status in lambs. III. Trichostrongylus axei and Oestragia circumcincta infestation. Brit. Vet. J. 122(8):316-324. Ref. Aug.1966. 41.8 V643
- 13005 DRAPER, G. J. The hereditary mechanism in the causation of natural scrapie in sheep. I-IV. U. S. Agr. Res. Serv. ARS 91-53:136-147. 1964, pub.1966. A41.9 R315Ar
Includes discussion.
- 13006 FITKO, R., and others. Secretion of steroid hormones in sheep after prolonged administration of gonadotropin. (Pol) Pol. Arch. Weter. 9(2):269-283. Ref. 1965. 41.8 P76
L. Skrzeczewski, E. Stupnicka, R. Stupnicki, and E. Domanski, joint authors.
English summary.
- 13007 GANS, J. H. Renal excretion of urea in sheep. Amer. J. Vet. Res. 27(120):1279-1283. Ref. Sept.1966. 41.8 Am3A
- 13008 GILMOUR, N. J. L., and BROTHERSTON, J. G. Further studies on immunity to Mycobacterium johnei in sheep; relationship between hypersensitivity and host response to infection. J. Comp. Pathol. 76(4):341-349. Ref. Oct.1966. 41.8 J82
Includes use of vaccines.
- 13009 GORDON, W. S. Review of work on scrapie at Compton, England, 1952-1964. U. S. Agr. Res. Serv. ARS 91-53:19-40. Ref. 1964, pub.1966. A41.9 R315Ar
Study of sheep and goats at the Great Britain Agricultural Research Council Field Station at Compton.
Includes discussion.
- 13010 GORDON, W. S. Transmission of scrapie and evidence of spread of infection in sheep at pasture. U. S. Agr. Res. Serv. ARS 91-53:8-18. 1964, pub.1966. A41.9 R315Ar
Includes discussion.
- 13011 GUDENADOTTIR, M. Host-virus interaction in maedi infected sheep. Int. Conf. Cancer. Proc., 3d Conf.:381-391. Ref. 1965, pub.1966. SF605.15
- 13012 GUSTAFSON, D. P., and KANITZ, C. L. Long-term cell cultures from the brain of a sheep affected with scrapie. U. S. Agr. Res. Serv. ARS 91-53:69-92. 1964, pub.1966. A41.9 R315Ar
Includes discussion.
- 13013 HANKS, G. E., and others. Injury accumulation and recovery in sheep exposed to protracted cobalt-60 gamma radiation. Radiat. Res. 29(2):211-221. Ref. Oct.1966. 334.8 R11
E. J. Ainsworth, G. F. Leong, D. S. Nachtwey, and N. P. Page, joint authors.
- 13014 HARALAMBIEV, H., and others. Investigating immunogenic action of alcohol-inactivated Aujeszky virus on sheep. Bulgarska Akad. Nauk. Dokl. 19(5):441-444. Ref. 1966. 512 So2
K. Mermerski, I. Stoev, S. Simeonov, and M. Yotov, joint authors.
- 13015 HARTLEY, W. J. Some investigations into the epidemiology of ovine toxoplasmosis. New Zeal. Vet. J. 14(8):106-117. Ref. Aug.1966. 41.8 N483
- 13016 HOORENS, J., and OYAERT, W. Scrapie in sheep. (Fl) Vlaams Diergeneesk. Tijdschr. 35(7/8):313-317. July/Aug.1966. 41.8 V84
English summary.
- 13017 HOPKINS, L. L., and others. Therapeutic response of dystrophic lambs to selenium and vitamin E1. World Rev. Anim. Prod. 2:101-105. Ref. Apr./June 1966. 49 W89
A. L. Pope, C. A. Baumann, and T. Kowalczyk, joint authors.
- 13018 HOROWITZ, A., and VENZKE, W. G. Distribution of blood vessels to the postdiaphragmatic digestive tract of the goat: celiac trunk-gastro-duodenal and splenic tributaries of the portal vein. Amer. J. Vet. Res. 27(120):1293-1315. Ref. Sept.1966. 41.8 Am3A
- 13019 HOURIGAN, J. L. Scrapie in the United States and the scrapie eradication program. U. S. Agr. Res. Serv. ARS 91-53:340-360, map. 1964, pub.1966. A41.9 R315Ar
Of sheep and goats.

- 13020 IOSIFOV, K. A study of the activity of adenosinetriphosphatase and pyrophosphatases in certain tissues of lambs in the initial stage of muscular dystrophy. (Bu) Vet. Med. Nauk. 2 (10):1013-1016. Ref. 1965. 41.8 V6468 English summary.
- 13021 JAH, D., and SUBRAMANIAN, G. Incidence of *Eimeria* species in goats of Uttar Pradesh. Indian Vet. J. 43(7):588-591. Ref. July 1966. 41.8 In2
- 13022 JAKOB, W. Further experimental investigations on the pathogenesis of cerebral listeriosis of sheep. I. Pathological-anatomical findings in sheep following experimental infection with fresh isolated *Listeria* strains. (Ge) Arch. Exp. Veterinarmed. 20(2):367-381. Ref. Apr.1966. 31.8 Ex7
- 13023 JUSZKIEWICZ, T., and others. Some biochemical parameters during the treatment course of a liver fluke infection in sheep. (Pol) Pol. Arch. Weter. 9(2):251-267. Ref. 1965. 41.8 P76
Z. Madejski, B. Stefaniak, and B. Mizak, joint authors.
English summary.
- 13024 KATZ, M. L., and BERGMAN, E. N. Acid-base and electrolyte equilibrium in ovine pregnancy ketosis. Amer. J. Vet. Res. 27(12):1285-1292. Ref. Sept.1966. 41.8 Am34
- 13025 KING, T. L. The scrapie problem in the United States. U. S. Agr. Res. Serv. ARS 91-53:367. 1964, pub.1966. A41.9 R315Ar
In sheep.
- 13026 KOZNIEWSKI, S., and MALINOWSKA, A. Effects of hyper- and hypoglycemic levels of blood on rumen motility in the sheep. (Pol) Pol. Arch. Weter. 9(2):239-250. Ref. 1965. 41.8 P76
English summary.
- 13027 KUCSERA, GY. Comparative tests on the effectiveness and duration of immunity produced by lyophilized and fluid Aujeszky's disease vaccine. (Hu) Magyar Allatorv. Lapja 21(8):347-351. Aug.1966. 41.8 V644
English summary.
In sheep.
- 13028 LALOV, K. H., GORANOV, K. H., and TSVETKOV, A. Effect of biomyacin on certain processes in the stomach of lambs and ewes. (Bu) Vet. Med. Nauk. 2(9):815-823. Ref. 1965. 41.8 V6468
English summary.
- 13029 LEE, R. M. Genetic control of the hydrolysis of aromatic esters by sheep plasma A-esterase. Genet. Res. 7(3):373-382. Ref. June 1966. 443.8 G283
- 13030 LINDSAY, D. B., and BROWN, R. E. Acetone metabolism in sheep. Biochem. J. 100(3):589-592. Ref. Sept.1966. 382 B52
- 13031 LINN, P. L. The scrapie problem in the United States. U. S. Agr. Res. Serv. ARS 91-53:368-376. 1964, pub.1966. A41.9 R315Ar
In sheep.
Includes discussion.
- 13032 LUMSDEN, W. H. R., and MCNEILLAGE, G. J. C. Preservation of the infectious agent of tick-borne fever in the frozen state. J. Comp. Pathol. 76(4):413-416. Oct.1966. 41.8 J82
Cytoecetes phagocytophilia infestation of sheep and guinea pigs.
- 13033 MACKAY, J. M. K. Association of pleuropneumonia-like organisms (PPLO) with pulmonary adenomatosis in sheep-cultural and serological findings. Int. Conf. Cancer. Proc., 3d Conf.: 403-412. Ref. 1965, pub.1966. SF605.15
- 13034 MARSH, H. Progressive pneumonia of sheep in the United States and its relation to diseases of the jaagsiekte complex. Int. Conf. Cancer. Proc., 3d Conf.:285-294. Ref. 1965, pub.1966. SF605.15
Includes discussion. p.311-314.
- 13035 MATHARU, B. S. Dos and don'ts in dipping sheep. Indian Livestock 3(3):44-45. July/Sept.1965. 49 In23
Includes equipment.
- 13036 MCDANIEL, H. A., and MOREHOUSE, L. G. The diagnosis of scrapie. U. S. Agr. Res. Serv. ARS 91-53:41-52. Ref. 1964, pub.1966. A41.9 R315Ar
In sheep.
- 13037 MENAHAN, L. A., SCHULTZ, L. H., and HOEKSTRA, W. G. Relationship of ketone body metabolism and carbohydrate utilization to fat mobilization in the ruminant. J. Dairy Sci. 49(8):957-961. Ref. Aug.1966. 44.8 J822
Goats.
- 13038 MEPHAM, T. B., and LINZELL, J. L. A quantitative assessment of the contribution of individual plasma amino acids to the synthesis of milk proteins by the goat mammary gland. Biochem. J. 101(1):76-83. Ref. Oct.1966. 382 B52
- 13039 MOORE, R. W. "Ewe x side" of udder interactions in milk yield in relation to the number of lambs suckled. Nature [London] 211(5049):663-664. Aug.6,1966. 472 N21
- 13040 MOULD, D. L., and SLATER, J. S. An investigation into the nature of the causal agent of sheep scrapie and some observations on the biochemistry of the disease. U. S. Agr. Res. Serv. ARS 91-53:270-281. Ref. 1964, pub.1966. A41.9 R315Ar
- 13041 NIELSEN, K. Intestinal strongylosis. (Da) Danske Dyrlaegfor. Medlemsbl. 49(16):683-691. Ref. Aug.15,1966. 41.9 D23
Sheep and cattle.
- 13042 OGNJANOV, D. Experiments on the cultivation of the virus of ovine enzootic abortion on tissue culture. (Bu) Vet. Med. Nauk. 2(10):959-964. 1965. 41.8 V6468
English summary.
- 13043 PANKHURST, J. W., and SUTTON, D. O. Field trials with a new anthelmintic in lambs. Vet. Rec. 79(6):166-170. Aug.6,1966. 41.8 V641
Tetramisole used against worms infestation.
- 13044 PARRY, H. B. Artificial (post-inoculation) scrapie. I-III. U. S. Agr. Res. Serv. ARS 91-53:160-167. 1964, pub.1966. A41.9 R315Ar
Sheep.
Includes discussion.
- 13045 PARRY, H. B. The hereditary mechanism in the causation of natural scrapie in sheep. I-IV. U. S. Agr. Res. Serv. ARS 91-53:153-159, 168-171. 1964, pub.1966. A41.9 R315Ar
Includes discussion.
- 13046 PARRY, H. B. Natural scrapie of sheep: its occurrence and dissemination in the field. I-III. U. S. Agr. Res. Serv. ARS 91-53:117-135. 1964, pub.1966. A41.9 R315Ar
Great Britain.
Includes discussion.
- 13047 PARRY, H. B., BECK, E., and DANIEL, P. M. Natural (spontaneous) scrapie in sheep. I-II. U. S. Agr. Res. Serv. ARS 91-53:95-117. 1964, pub.1966. A41.9 R315Ar
I. Clinical manifestation and general incidence, treatment, and related syndromes, by H. B. Parry; II. The pathology of natural scrapie in sheep with particular reference to the neuromuscular system, by E. Beck, P. M. Daniel, and H. B. Parry.
Includes discussion.
- 13048 PARRY, H. B. Scrapie, natural and artificial; the nature of the problem. U. S. Agr. Res. Serv. ARS 91-53:93-94. 1964, pub.1966. A41.9 R315Ar
Sheep, in Great Britain.
- 13049 PAVLOV, N., and NESELIANOVA, A. Morphological changes in lambs affected with the ovine virus abortion. (Bu) Vet. Med. Nauk. 3(2):123-129. Ref. 1966. 41.8 V6468
English summary.
- 13050 PAVLOV, V. V. Problem of innervation of milk gland in ruminants. (Uk) Visnyk Sil'skohospodar. Nauk. 7:99-101. July 1965. 20 V82
Russian summary.
- 13051 PEREZ CATAN, E., and ROCCO, M. DI. Accion patogena de algunas bacterias y levaduras cromogenas aisladas de las lanas [Pathogenic action of some stain-causing bacteria and yeasts isolated from wool]. Rev. Invest. Agropecuar. Ser. 4. Patol. Anim. 2(11):149-159. 1965. 41.8 R3227
English summary.
Micrococcus spp. and Rhodotorula glutinis; includes similarity to mycotic dermatitis.

- 13052 RADLOFF, H. D., and SCHULTZ, L. H. Hormonal regulation of plasma free fatty acid concentration in ruminants. *J. Dairy Sci.* 49(8): 971-975. Ref. Aug. 1966. 44.8 J822
Goats used in the experiments.
- 13053 RAMYAR, H. Propagation of goat pox virus on monolayer cell cultures. *Zentralbl. Veterinarmed., Reihe B*, 13(4):334-337. Aug. 1966. 41.8 Z52
- 13054 RESTALL, B. J. The fallopian tube of the sheep. I-II. *Australian J. Biol. Sci.* 19(1):181-197. Ref. Feb. 1966. 44.2.8 Au72
- 13055 RETNASABAPATHY, A. Isolation of *Pseudomonas pseudomallei* from an aborted goat foetus. *Vet. Rec.* 79(6):166. Aug. 6, 1966. 41.8 V641
- 13056 SAHOO, B. N., and MOHANTY, G. C. Histopathological study of lesions in the lungs of sheep and goats encountered in the abattoir. 1. Study of lesions due to Fasciola. *Indian Vet. J.* 43(7):585-588. Ref. July 1966. 41.8 In2
- 13057 SAVOV, A. Effect of copper and lead compounds on the volatile fatty acids in the rumen and of glucose in the blood of sheep. *(Bu) Vet. Med. Nauk.* 2(9):795-802. Ref. 1965. 41.8 V6468
English summary.
- 13058 SCOTT, T. W., GOOD, B. F., and FERGUSON, K. A. Comparative effects of long-acting thyroid stimulator and pituitary thyrotropin on the intermediate metabolism of thyroid tissue in vitro. *Endocrinology* 79(5):949-954. Ref. Nov. 1966. 44.8.8 En2
Tested in sheep.
- 13059 SEMERDZHIEV, B., OGNANYANOV, D., and MAKAVEEVA-SIMOVA, E. A case of virus abortion in goat. *(Bu) Vet. Med. Nauk.* 3(2):115-121. 1966. 41.8 V6468
English summary.
- 13060 SHARMA, S. N., NILAKANTAN, P. R., and DHANDA, M. R. A preliminary note on pathogenicity and antigenicity of sheep and goat pox viruses. *Indian Vet. J.* 43(8):673-678. Ref. Aug. 1966. 41.8 In2
- 13061 SHINDAROV, D., and VASSILEVA, V. Cultivation of sheep abortion virus in tissue culture of tortoise lung (*Testudo graeca*). *Bulgarska Akad. Nauk. Dokl.* 19(3):237-240. 1966. 512 S02
- 13062 SHINDAROV, L., and SAVOV, S. The cultivation of sheep abortion virus in peritoneal tissue culture of a cold-blooded animal. *(Ge) Zentralbl. Veterinarmed., Reihe B*, 13(4):392-397. Aug. 1966. 41.8 Z52
English summary.
- 13063 STRS, J. A. Oxygen dissociation of sheep haemoglobins A and B in solution. *Nature [London]* 211(5048):533-534. July 30, 1966. 472 N21
- 13064 SOLDATENKOV, P. F., and SBRDOV, F. M. Effect of insulin on metabolism of sugar, volatile fatty acids and acetone bodies within the digestive tract wall in sheep. *(Rus) Fiziol. Zh. SSSR. I. M. Sechenova* 52(9):1124-1129. Ref. Sept. 1966. 44.8 F58
- 13065 SPRAVITSEV, N. KH. Biological peculiarities of cellulose destroying *Bacillus oemulskii* isolated from sheep cecum. *(Uk) Visnyk Sil's'koho hospodar. Nauk.* 5:104-107. May 1965. 20 V82
Russian summary.
- 13066 STAMP, J. T. Scrapie, a review of the problem. *U. S. Agr. Res. Serv. ARS 91-53:187-198.* Ref. 1964, pub. 1966. A41.9 R315Ar
In sheep.
Includes discussion.
- 13067 STORZ, J. Psittacosis-lymphogranuloma infection of sheep; antigenic structures and interrelations of PL agents associated with polyarthritis, enzootic abortion, intrauterine and latent intestinal infections. *J. Comp. Pathol.* 76(4):351-362. Ref. Oct. 1966. 41.6 J82
- 13068 SZABO, I., and SUVEGES, T. On the occurrence and control of lamb dysentery caused by *Clostridium perfringens* type B. *(Hu) Magyar Allatorv. Lapja* 21(8):337-339. Aug. 1966. 41.8 V644
English summary.
- 13069 TANKERSLEY, H. C., and WELLS, W. Rural preparedness for sheep producers. *PNW (Pacific Northwest Coop. Ext.) Bull.* 74, 8 p. June 1966. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.
Radioactive contamination.
- 13070 THORMAR, H. A study of maedi virus. *Int. Conf. Cancer. Proc.* 3d Conf.:393-402. Ref. 1965, pub. 1966. SF605.15
In Iceland.
- 13071 TITCHEN, D. A., REID, C. S. W., and Vlieg, P. Effects of intra-duodenal infusions of fat on the food intake of sheep. *New Zeal. Soc. Anim. Prod. Proc.* 26th Annu. Conf.:36-51. Ref. 1966. 49.9 N483
Includes discussion.
- 13072 TOMOV, T., and others. Investigations into the spread of *Clostridium perfringens* types A, C and D. *(Bu) Vet. Med. Nauk.* 2(10):927-932. Ref. 1965. 41.8 V6468
I. Ivanov, K. Surtmadzhiev, and M. Draganov, joint authors.
English summary.
Chiefly enterotoxemia in sheep.
- 13073 VIVIANI, R., GANDOLFI, M. G., and MICHELE, S. R. DI. Non-esterified, esterified and bound long chain fatty acids in rumen liquor of the sheep. *Zentralbl. Veterinarmed., Reihe A*, 13(5):385-391. Ref. July 1966. 41.8 Z5
- 13074 WELLS, K. F. Scrapie, its control and eradication in Canada. *U. S. Agr. Res. Serv. ARS 91-53:361-366.* 1964, pub. 1966. A41.9 R315Ar
Sheep.
Includes discussion.
- 13075 WIENER, G. Genetic and other factors in the occurrence of swayback in sheep. *J. Comp. Pathol.* 76(4):435-447. Oct. 1966. 41.8 J82
- 13076 YOUNG, G. B., and others. Field observations on scrapie incidence. *U. S. Agr. Res. Serv. ARS 91-53:199-206.* 1964, pub. 1966. A41.9 R315Ar
J. T. Stamp, C. C. Renwick, and A. G. Dickinson, joint authors.
Hereditary, chiefly in Suffolk sheep breeds.
- 13077 ZALEWSKA, E., and others. Studies on cachexia occurring in ruminants in the Noteć Valley. *(Pol) Pol. Arch. Weter.* 9(1):119-133. Ref. 1965. 41.8 P76
A. Klebowska, M. Luczycka, and E. Domanski, joint authors.
English summary.
Deficiencies in feed from peat soils given to sheep.
- 13078 ZIEBA, D., DEJNEKA, J., and LEROCH, Z. Effect of the stimulation of abomasum chemoreceptors on the rumen movements in sheep. *(Pol) Wroclaw, Wyzsza Szkoła Roln. Zeszyty Nauk. Weter.* 19:161-167. Ref. 1966. 41.9 B753
English summary.
- 13079 ZIPPER, J. Contribution to the question of so-called globule leucocytes. I. Occurrence and morphology. *(Ge) Zentralbl. Veterinarmed.* *Reihe A*, 13(4):329-336. Ref. June 1966. 41.8 Z5
English summary.
Includes sheep.

Miscellaneous

- 13080 ADALSTEINSSON, S. Historical data on Iceland's sheep industry. *Nat. Wool Grower* 56(11):10-11. Nov. 1966. 45.8 N21N
- 13081 BRITISH GOAT SOCIETY. Yearbook, 1966. Diss, Norfolk, 1966. 138 p. 40.19 B77
- 13082 GAAL, M. Milk yield of ewes during change-over from nursing to milking. *(Hu) Allattenyesztes* 15(3):273-279. Sept. 1966. 49 AL57
English summary.
- 13083 PARRY, H. B. Sheep records "vital." *Beef Sheep Farming* 3(8):12, 14. Oct. 1966. 43.8 B392
In Great Britain.
- 13084 RONNINGEN, K. Causes of variation in the flavor intensity of goat's milk. *(No) Nord. Jordbrugsforsk.* 47(4):332-333. 1965. 11 N752

- 13085 SALMON, J. M. Choosing judges. *Brit. Goat Soc. Year Book 1966*:22-26, 40.19 B77
- 13086 SCHLOLAUT, W. Sheep breeders travel to England. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81 (37):1396-1401, Sept.15,1966, 18 N39
Chiefly observations on sheep care.
- 13087 THWAITES, C. J. Fleece length and the reactions of sheep to wet and dry heat. *Nature [London]* 211(5052):997-998, Aug.27,1966, 472 N21
- 13088 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. A dairy goat for home milk production. U. S. D. A. Leaf. 538, slightly rev., 8 p. Oct.1966, 1 Ag84L
- SWINE
- Breeds and Breeding
- 13089 ANDERSEN, E. Linkage studies with nine blood-group loci in pigs. *Genetics* 53(5):943-948, Ref. May 1966, 442.8 G28
- 13090 BRANNANG, E. Description of method for calculation of breeding index of swine breeding herds. (Sw) *Svinskotsel* 56(9):256-257, 1966, 46.9 Sv2
- 13091 COZMUTA, V. The importance of intensive utilization of sows in state farms. (Rum) *Rev. Gosp. Agr. Stat* 18(5):27-29, May 1966, 21 R32
Breeding of swine on industrial basis.
- 13092 CSIRE, L. Effect of a protein diet during suckling on the subsequent performance and carcass quality Hungarian Yorkshire pigs. *Acta Agron. [Budapest]* 15(3/4):291-299, 1966, 19 Ac8
- 13093 CSIRE, L. Influence of weaning weight on the fattening and carcass results of Hungarian Yorkshire pigs. (Hu) *Kiserletugyi Koslemlenyek* 58/B(3):51-67, 1965, pub.1966, 105.9 H89
English summary.
- 13094 DOMANSKI, J. Connection of some phenotypic features of sows with their fertility. (Pol) *Rocz. Nauk Roln.* 85-B-3:395-404, Ref. 1965, 20.5 R59
English summary.
- 13095 DOMANSKI, J. Some phenotypic features indicating milk productivity in sows. (Pol) *Rocz. Nauk Roln.* 85-B-4:537-547, Ref. 1965, 20.5 R59
English summary.
Includes research methods.
- 13096 DOROSHKOV, V. B., and KISHTYMOVA, V. Y. Effect of transportation and storage duration on viability of boar semen. (Uk) *Visnyk Sil's'kohospodar. Nauk*, 8:80-88, Aug.1965, 20 V82
Russian summary.
- 13097 HAHN, R. Swine. (Ge) *Tierzuchter* 18(20):699-701, Oct.20,1966, 49 T445
Artificial insemination.
- 13098 KACZMARCZYK, J. Improvement of sows and boars on the breeding results and bacon standardization. (Pol) *Rocz. Nauk Roln.* 86-B-3:485-495, 1965, 20.5 R59
English summary.
- 13099 KALEV, G., and ZAGORSKI, D. Comparative experiments on storage of boar semen. (Bu) *Vet. Med. Nauk.* 3(2):171-176, Ref. 1966, 41.8 V6468
English summary.
- 13100 LANGHOLZ, H. J. Genetic affirmation of the performance fluctuations observed in swine stationary progeny testing. (Ge) *Nord. Jordbrugsforsk.* 47(4):338-339, 1965, 11 N752
- 13101 MICHALSKI, Z. Effect of twofold feeding upon growth and fodder utilization of young bred boars and gilts in conditions of their summer shanty rearing. (Pol) *Rocz. Nauk Roln.* 88-B-3:295-301, Ref. 1966, 20.5 R59
English summary.
- 13102 OKONSKI, J. Metabolism of calcium and phosphorus in 4-month-old boars. (Pol) *Rocz. Nauk Roln.* 86-B-3:529-538, Ref. 1965, 20.5 R59
English summary.
- 13103 OVERSKOTT, S. Organization of swine breeding in Norway. (Sw) *Svinskotsel* 56(9):237-240, 244,247-248, 1966, 46.9 Sv2
- 13104 PALLUDAN, B. Direct effect of vitamin A on boar testis. *Nature [London]* 211(5049):639-640, Ref. Aug.6,1966, 472 N21
- 13105 PILARCZYK, A. Iodine content of lard fat in slaughter swine of Pulawska breed at different ages. (Pol) *Rocz. Nauk Roln.* 85-B-2:299-304, Ref. 1965, 20.5 R59
English summary.
- 13106 RUSSIAN SFSR. UPRAVLENIE PO PLEMENNO-MU DELU I ISKUSSTVENNOMU OSEMENENIYU SEL'SKOKHOZYAISTVENNYKH ZHIVOTNYKH. Gosudarstvennaya plemennaya kniga svinei krupnoi beloi porody [State swine herdbook of Large White breed]. Vol. 16. Moskva, Rossel'-khozizdat, 1965, 76 p. 46.9 R92
- 13107 RUSSIAN SFSR. UPRAVLENIE PO PLEMENNO-MU DELU I ISKUSSTVENNOMU OSEMENENIYU SEL'SKOKHOZYAISTVENNYKH ZHIVOTNYKH. Gosudarstvennaya plemennaya kniga svinei krupnoi beloi porody [State swine herdbook of Large White breed]. Vol. 17. Moskva, Rossel'-khozizdat, 1965, 79 p. 46.9 R92
- 13108 SALEHAR, A. Pregnancy period of the Swedish Landrace swine breed. (Sl) *Soc. Kmetistvo Gozdarstvo* 16(14):339-340, Oct.15,1965, 21.5 So14
- 13109 SCHMIDT, L. Swine breeding and production in Great Britain. (Ge) *Tierzuchter* 18(19):665-667,670, Oct.5,1966, 49 T445
- 13110 SKJERVOLD, H. Planning of breeding work. (No) *Nord. Jordbrugsforsk.* 47(4):306-309, 1965, 11 N752
Swine.
- 13111 SUNDGREN, P. E. Current experiments with radiosonde in Swedish swine breeding. (Sw) *Nord. Jordbrugsforsk.* 47(4):333-335, 1965, 11 N752
- 13112 WILLEMS, C. M. Some practical problems in connection with artificial insemination of swine. (Du) *Vetsteelt Zuivelber.* 9(3):117-122, Mar.1966, 49 V51
- Feeds and Feeding
- 13113 BAKER, D. H., and others. Quantitative evaluation of the tryptophan, methionine and lysine needs of adult swine for maintenance. *J. Nutr.* 89(4):441-447, Ref. Aug.1966, 389.8 J82
D. E. Becker, H. W. Norton, A. H. Jensen, and B. G. Harmon, joint authors.
- 13114 BARNES, R. H., and others. Effect of severe protein-calorie malnutrition in the baby pig upon relative utilization of different dietary proteins. *J. Nutr.* 89(3):355-364, Ref. July 1966, 389.8 J82
W. G. Pond, E. Kwong, and I. Reid, joint authors.
- 13115 BIELINSKA, K., KORTZ, J., and TABISZEWSKI, J. Investigations on the influence of feeding level on the results of fattening of pigs of ham type. (Pol) *Rocz. Nauk Roln.* 85-B-4:505-519, Ref. 1965, 20.5 R59
English summary.
- 13116 BURGSTALLER, G. Is the fattening with potatoes a fattening method of vester year? (Ge) *Kartoffelbau* 17(6):178-180, June 1966, 75.8 K145
Swine.
- 13117 CANDLER, W. V. Problems in the economic interpretation of pig feeding experiments. *New Zeal. Soc. Anim. Prod. Proc.*, 26th Annu. Conf.: 86-97, 1966, 49.9 N483
- 13118 CSIRE, L. Comparison of fattening performances of pigs fed twice or three times daily. (Hu) *Allattenyesztes* 15(3):231-238, Sept.1966, 49 AL57
English summary.
- 13119 DANIELSON, M. Swine herds eating up profit. *Nebr. Univ. Coll. Agr. Home Econ. Quart. Serv. Farm Ranch Home* 13(2):19-20, Summer 1966, 100 N27N

- 13120 EGGUM, B. O. Protein evaluation. Amino acid composition in relation to biological value. (Da) Nord. Jordbrugsforsk. 47(4):257-260. 1965. 11 N752
Swine nutrition.
- 13121 EKSTROM, N., THOMKE, S., and SCHMEKEL, J. Utfodring av spammalsensilage. Feeding ensiled grain. Jordbruktstek. Inst. Meddel. 316, 58 p. 1966. 58.9 J762
English summary.
Swine and cattle.
- 13122 FALIU, L. Recent data about nutrition and diet of pig. (Fr) Rev. Med. Vet. [Toulouse] 117(4): 307-315. Apr. 1966. 41.8 R32
English summary.
- 13123 FEKETE, L. Influence of the crude-fibre content of feeds on the feces quantity of pigs. (Hu) Kiserletugyi Kozlemenyek 58/B(3):87-92. 1965, pub. 1966. 105.9 H89
English summary.
- 13124 FROLICH, A., and THOMKE, S. The surplus problem in amino acid trials. (Sw) Nord. Jordbrugsforsk. 47(4):261-264. 1965. 11 N752
Swine nutrition.
- 13125 FREESE. Dry and wet mash feeding in swine fattening. (Ge) Tierzucht 18(14):494-495. July 20, 1966. 49 T445
- 13126 GAWECKI, K., LIPINSKA, H., and ROSLIK, T. Zinc bacitracin as a supplement to mashes for pig and poultry. I-II. (Pol) Rocz. Nauk Roln. 87-B-3:303-336. Ref. 1966. 20.5 R59
English summary.
- 13127 GLAPS, J., and others. The influence of protein from various sources, applied without or with the addition of methionine as well as dry sugar beetroots and potato flakes for fattening results of the herd of swine. (Pol) Rocz. Nauk Roln. 87-B-1:135-152. Ref. 1965. 20.5 R59
F. Dejneka, I. Wislinska, and T. Borysow, joint authors.
English summary.
- 13128 GLAPS, J., RUSZCZYC, Z., and DEJNEKA, F. Self-feeding of pigs. II. The effect of pelleted feed. (Pol) Rocz. Nauk Roln. 86-B-3:517-528. Ref. 1965. 20.5 R59
English summary.
- 13129 GRAU, R., and FLEISCHMANN, O. On the influence of feeding vitamin E to swine on the keeping quality of fats and fat-containing products. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 130(5):277-291. Ref. 1966. 384 Z39
- 13130 HOJGAARD-OLSEN, N. J. Experiments with supplements of vitamin E for pregnant and nursing sows. (Da) Nord. Jordbrugsforsk. 47(4):357-358. 1965. 11 N752
Effects on milk yields.
- 13131 HOJGAARD-OLSEN, N. J., NIELSEN, H. E., and LINNEMANN, F. Varying protein rates for pregnant sows. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):6-15. 49.9 D41
- 13132 HOMB, T., and MATRE, T. Amino acid supplement in swine feeding. (No) Nord. Jordbrugsforsk. 47(4):260. 1965. 11 N752
- 13133 HOSER, S. The use of dried potato pulp with blood in fattening bacon pigs. (Pol) Rocz. Nauk Roln. 87-B-3:441-444. 1966. 20.5 R59
- 13134 KERESKES, B. Feeding experiment with fattening swine. (Hu) Magyar Mezogazdasag 21(36): 19. Sept. 7, 1966. 19 M27
Granulated feed.
- 13135 KIRCHGESSNER, M., and BURGSTALLER, G. Swine fattening on experimental farms. (Ge) Mitt. Deut. Landwirt.-Ges. 81(21):922, 924. May 26, 1966. 18 N39
- 13136 KIRSCH, W., and others. Linear programming comparison of root crops with customary feed supplement mixtures in a swine fattening test. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(4):254-262. July 1966. 389.78 Z3
W. Gmelin, M. Fender, and D. Pewson, joint authors.
English summary.
- 13137 KRAUTFORST, W., and KOZLOWSKI, M. Use of "fodder oxytetracycline" in pregnant and suckling sow feeding. (Pol) Med. Weter. 22(6): 361-363. June 1966. 41.8 M463
English summary.
- 13139 KUZMENKO, V. T., and POPOVYCH, I. V. Sugar beets in feeding of swine. (Uk) Visnyk Sil's'kohospodar. Nauk. 8:14-15. Aug. 1965. 20 V82
Russian summary.
- 13139 LANGBALLE, H. E. Sows and baby pigs. (Da) Naesgaardsbogen 52:41-45. 1965. 104 N12N
Feeding.
- 13140 LASHAS, V. L., VAGONIS, Z. I., and VALAITIS, V. K. The immunity and growth of swine, during intensive fattening. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:84-93. Ref. Aug. 1966. 20 V633
English summary.
- 13141 LEWICKI, C. Fish offals in pig feeding. VII. (Pol) Rocz. Nauk Roln. 88-B-3:325-332. Ref. 1966. 20.5 R59
English summary.
- 13142 LYSO, A. Floor or trough feeding of slaughter swine. (No) Nord. Jordbrugsforsk. 47(4):354-355. 1965. 11 N752
- 13143 MATRE, T., and HOMB, T. Copper supplement for slaughter pigs. (No) Nord. Jordbrugsforsk. 47(4):355-356. 1965. 11 N752
Effects on meat production.
- 13144 NIELSEN, A. J. Fungi-infected and moldy barley compared to first-class barley. (Da) Nord. Jordbrugsforsk. 47(4):280-286. Ref. 1965. 11 N752
Effects on growth and meat quality of swine.
- 13145 NIELSEN, H. E., and HASSELAGER, E. Moldy grain for early weaned baby pigs. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting):91-95. 49.9 D41
Effects on growth.
- 13146 NIELSEN, H. E., and HOJGAARD-OLSEN, N. J. Vitamin A for nursing sows. (Da) Denmark. Landokon. Forsogslab. Arb. 1965 (fall meeting): 16-18. 49.9 D41
- 13147 PRES, J., and FRITZ, A. Pig fattening with use of different sets of forage of vegetable origin. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 13:149-153. 1964, pub. 1965. 49.9 B75
English summary.
- 13148 RICHTER, K. One feeding daily for young fattening swine on grain. (Ge) Kraftfutter 49(9): 440-442. Sept. 1966. 389.78 K85
- 13149 SCHREINER, H. Feed swine on grain only once a day? (Ge) Gute Rat Futterungsfragen 5(4):2-5. Sept. 1966. 389.78 G98
- 13150 SMIRNOV, O. P. Effects of feed moisture on swine growth. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:85-88. May 1965. 20 V82
Russian summary.
- 13151 STRUNZ, K., and FRICKE, R. The composition of baby pig carcasses after ad libitum feeding with feed mixtures rich or poor in proteins. III. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(4):195-206. Ref. July 1966. 389.78 Z3
English summary.
- 13152 THOMKE, S. The effect of higher copper doses in the rearing of swine. (Ge) Tierzucht 18(13):465-466. July 5, 1966. 49 T445
- 13153 THOMKE, S. Influence of selenium and vitamin E supplement on meat quality of swine. (Sw) Nord. Jordbrugsforsk. 47(4):356-357. 1965. 11 N752
- 13154 TUMBLESON, M. E., and MEADE, R. J. Effect of source and level of dietary protein on liver enzyme systems in the young pig. J. Nutr. 89(4):487-494. Ref. Aug. 1966. 389.8 J82
- 13155 URBANYI, L. Analyses of the practical value of concentrates. (Hu) Kiserletugyi Kozlemenyek 58/B(3):75-82. 1965, pub. 1966. 105.9 H89
English summary.
In swine feeding.
- 13156 WAGENBACH, H. Swine fattening is still profitable. (Ge) Tech. Landwirt. 18(9):278, 280. Sept. 15, 1966. 58.8 T223
- 13157 WITCZAK, F. Studies on the feeding level of growing-finishing swine. III. Retention and utilization of nitrogen. (Pol) Rocz. Nauk Roln. 85-B-3:375-393. Ref. 1965. 20.5 R59
English summary.

- 13159 ZEIGERT, H. Results of dry and wet feeding in the rapid grain fattening of swine. (Ge) Arch. Tierzucht 9(4):333-349. Ref. 1966. 49 Ar32
English summary.
Veterinary Medicine
- 13159 ALEXANDROWICZ, S., KACZMAREK, A., and WIATROSZAK, I. Investigations on production of test sera for determining blood groups in pig. (Pol) Roczn. Nauk Roln. 86-B-4:553-565. Ref. 1965. 20.5 R59
English summary.
- 13160 BALINTFFY, L., HORVAY, M. S., and SIMON, F. Experiences with the "Chinofer 75" a Hungarian iron dextran preparation. (Hu) Magyar Allatorv. Lapja 21(9):409-412. Ref. Sept. 1966. 41.8 V644
English summary.
In anemia of piglets.
- 13161 BLAZEJEWSKI, L. Anemia in piglets caused by iron deficiency. (Pol) Med. Veter. 22(4):226-227. Apr. 1966. 41.8 M463
- 13162 BREAZILE, J. E., SWAFFORD, B. C., and THOMPSON, W. D. Study of the motor cortex of the domestic pig. Amer. J. Vet. Res. 27(120):1369-1373. Ref. Sept. 1966. 41.8 Am3A
- 13163 BROWN, W. R., KROOK, L., and POND, W. G. A new look at atrophic rhinitis. Mod. Vet. Pract. 47(9):39,42-45. Aug. 1966. 41.8 N812
- 13164 BURGELT, C. D. Histologische Untersuchungen der Schilddrüse des Schweines im Kreise Lemgo. 40. Beitrag zur geographischen Pathologie der Schilddrüse [Histological investigations on the thyroid gland of swine in the Lemgo district. 40. Contribution to geographic pathology of the thyroid gland]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 20,50 p. 1965. 41.2 H193
Bibliography, p.44-50.
- 13165 CARVAS, J. The effect of some economically significant stable diseases on the effectiveness of swine feeding and breeding. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B. Spisy Fak. Vet. 2:181-196. Ref. 1966. 105.92 B833
English summary.
- 13166 CERETTO, F. A case of chronic eosinophil myelosis in swine. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:99-117. Ref. 1964. 41.9 T843
French summary.
- 13167 CERETTO, F., and PENNA, R. On the lesions of tuberculosis-like mesenteric lymph nodes (caseous lymphadenitis) in normally slaughtered swine. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:281-291. Ref. 1964. 41.9 T843
English summary.
- 13169 CHAUDHARY, R. K., FISH, N. A., and BARNUM, D. A. Protection of piglets from immunized sows via colostrum against experimental L. pomona infection. Can. Vet. J. 7(6):121-127. Ref. June 1966. 41.8 R3224
- 13169 CHUDOBA-DROZDOWSKA, B., and KOZŁOWSKA, K. Measurements of skin temperatures in piglets. (Pol) Med. Veter. 22(6):356-360. Ref. June 1966. 41.8 M463
English summary.
- 13170 COGGINS, L. Growth and certain stability characteristics of African swine fever virus. Amer. J. Vet. Res. 27(120):1351-1358. Ref. Sept. 1966. 41.8 Am3A
- 13171 CONCELLON MARTINEZ, A. A general view of sanitary procedures in 1964, in relation to swine. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(247):31-35. Jan. 1965. 41.9 C67
From Boletín Informativo de la Cooperativa de Criadores de Ganado de Cerda.
- 13172 COTTEREAU, P. Arthritis in swine. (Fr) Rev. Med. Vet. [Toulouse] 117(4):269-278. Ref. Apr. 1966. 41.8 R32
English summary.
- 13173 COULON, J. General anesthesia of swine. (Fr) Rev. Med. Vet. [Toulouse] 117(4):279-283. Apr. 1966. 41.8 R32
English summary.
- 13174 CZARNOCKI, J. Interrelation between the increase of the total volume of circulating blood, erythropoiesis and the life span of red blood cells in piglets during the first weeks of life. (Pol) Roczn. Nauk Roln. 86-B-3:497-516. Ref. 1965. 20.5 R59
English summary.
- 13175 DASZYŃSKA, F., KRYŃSKI, A., and NYREK, S. Ceruloplasmin and copper in the serum of pigs. (Pol) Med. Veter. 22(6):363-366. Ref. June 1966. 41.8 M463
English summary.
- 13176 DAVIS, J. W., and LIBKE, K. G. Bordetellosis outbreak in Virginia swine. Southern Vet. 3(9):12-13. Sept. 1966. 41.8 So83
Caused by Bordetella bronchiseptica; bronchopneumonia was the chief disease.
- 13177 DRESEN, D. W. Swine brucellosis. Ga. Vet. 18(5):25-26,29. Sept./Oct. 1966. 41.8 G29
- 13179 DYE, O. D. Current status of hog cholera eradication in Georgia. Ga. Vet. 18(5):9. Sept./Oct. 1966. 41.8 G29
- 13179 EDEL, W., and others. Studies about the occurrence of Salmonella in pigs fattened with pellets and non-pelleted meal. (Du) Tijdschr. Diergeneesk. 91(15):962-966. Aug. 1, 1966. 41.8 T431
P. A. M. Guinee, M. Van Schothorst, and E. H. Kampelmacher, joint authors.
English summary.
- 13180 EDENS, J. D., and FOSTER, J. W. Immunization of swine with an endotoxin-containing preparation of Brucella suis. Amer. J. Vet. Res. 27(120):1327-1331. Ref. Sept. 1966. 41.8 Am3A
- 13181 ESTOLA, T., and SCHULMAN, A. Thermal inactivation of the SEP-agent at various temperatures. Nord. Veterinaermid. 18(7/8):351-353. July/Aug. 1966. 41.8 N813
Swine enzootic pneumonia.
- 13182 FUZEY, J. Some skin disorders in the pathology of swine. (Fr) Rev. Med. Vet. [Toulouse] 117(4):285-306. Apr. 1966. 41.8 R32
English summary.
- 13183 EVANS, L. E. Embryonic and fetal mortality in the porcine species. Iowa State Univ. Vet. 28(1):22-24. Ref. 1966. 41.8 V6425
- 13184 EWY, Z., and KOLCZAK, T. The plasma level of protein-bound iodine of pigs during the period of growth and during lactation in sows. (Pol) Roczn. Nauk Roln. 85-B-4:493-504. Ref. 1965. 20.5 R59
English summary.
- 13185 FLETCHER, O. J., SIKES, D., and PAPP, E. Pathologic effects of whole blood transfusions from arthritic to normal swine. Amer. J. Vet. Res. 27(120):1359-1367. Ref. Sept. 1966. 41.8 Am3A
- 13186 FRASER, A. F. Studies of piglet husbandry in Jamaica. II. Principal causes of loss between birth and weaning. Brit. Vet. J. 122(8):325-332. Ref. Aug. 1966. 41.8 V643
- 13187 FRAZIER, S. G. A case report—poisoning in swine due to rodenticide contaminated feed. (Pol) Roczn. Nauk Roln. 85-B-4:493-504. Ref. 1965. 20.5 R59
English summary.
- 13188 GENEV, KH., and others. Experiments on immunoprophylaxis in pig brucellosis. I. (Bu) Vet. Med. Nauk. 3(1):55-60. Ref. 1966. 41.8 V6468
T. Todorov, L. Khristoforov, M. Mateev, D. Chlev, and M. Milanov, joint authors.
English summary.
- 13189 GENOV, I. Production of hyperimmune serum against Aujeszky's disease with a Rousse vaccinal strain. (Bu) Vet. Med. Nauk. 2(10):1025-1030. Ref. 1965. 41.8 V6468
English summary.
From pigs.
- 13190 GIVEN, R. L., and others. A moisture isolation unit for swine. U. S. Agr. Res. Serv. ARS-42-118.8 p. July 1966. A58.9 R31
A. Oasing, S. R. Morrison, and H. Heitman, joint authors.
Metabolism stall.

- 13191 GORSHANOVA, E. N. Natural carrier state and humoral immunity in leptospirosis. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 6:59-63. Ref. June 1966. 448.3 Z4
Swine and cattle.
- 13192 GOTINK, W. M., SOEST, H. VAN, and ZIJLSTRA, J. The influence of a repeated worm-cure on growth and feed-intake of fattened pigs. (Du) Tijdschr. Diergeneesk. 91(17):1067-1074. Sept. 1, 1966. 41.8 T431
English summary.
- 13193 HAAN, C. DE, and OSINGA, A. Synchronization of estrus in swine. (Du) Veeleel Zuivelber. 9(3):123-131. Ref. Mar. 1966. 49 V51
- 13194 HANSARD, S. L., and others. Placental transfer and fetal utilization of calcium in developing swine. J. Nutr. 89(3):335-340. Ref. July 1966. 389.8 J62
H. Itoh, J. C. Glenn, and D. M. Thrasher, joint authors.
- 13195 HELLMANN, E. Report on mycobacteria determination from lymph node changes found in pigs and cattle suspected of tuberculosis. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(15):285-289. Ref. Aug. 1, 1966. 41.8 B45
English summary.
Mycobacterium avium, M. bovis and M. fortuitum isolated.
- 13196 HOOF, J. VAN. Investigation of the occurrence of Salmonella in healthy slaughter swine. (Fl) Vlaams Diergeneesk. Tijdschr. 35(7:8):318-325. July-Aug. 1966. 41.8 V84
French summary.
- 13197 HOORENS, J. Deaths after injection with iron-dextran in piglets. (Fl) Vlaams Diergeneesk. Tijdschr. 35(9/10):388-392. Ref. Sept./Oct. 1966. 41.8 V84
English summary.
- 13198 ILANCIC, D. Physiological properties of economic importance studied in various pig breeds with special regard to the thyroid gland. (Ge) Zuchtungskunde 38(7):319-329. Ref. Aug./Sept. 1966. 49 Z8
English summary.
- 13199 IOSIFOV, K., TSEKOVA, E., and MATLIEVA, M. On the chemical composition of foetal liquids in swine. (Bu) Vet. Med. Nauk. 2(9):849-854. Ref. 1965. 41.8 V648
English summary.
- 13200 JACKSON, J. F., and ATKINSON, M. R. The requirement for bivalent cations in formation of nicotinamide-adenine dinucleotide by nicotinamide mononucleotide adenyltransferase of pig-liver nuclei. Biochem. J. 101(1):208-213. Ref. Oct. 1966. 382 B52
- 13201 JOSEPH, R. L., and SANDERS, W. J. Leucine aminopeptidase in extracts of swine muscle. Biochem. J. 100(3):827-832. Ref. Sept. 1966. 382 B52
- 13202 JOUBERT, L., MACKOWIAK, C., and FONTAINE, J. Foot-and-mouth disease in swine. (Fr) Rev. Med. Vet. [Toulouse] 117(4):331-340, map. Apr. 1966. 41.8 R32
English summary.
- 13203 KALAB, K. Trichinosis findings in two swine in Vienna-St. Marx. (Ge) Wien. Tierarztl. Monatsschr. 53(8):550. Aug. 1966. 41.8 T345
- 13204 KEMENES, F. Leptospirosis of swine. (Hu) Magyar Mezőgazdaság 21(34):18. Aug. 24, 1966. 19 M27
- 13205 KHRISTOFOROV, L. On the diagnostic value of the passive hemagglutination test in brucellosis. II. Experiments with full antigens. (Bu) Vet. Med. Nauk. 2(10):965-973. Ref. 1965. 41.8 V646
English summary.
Of swine and sheep.
- 13206 KHRISTOV, S., KHRISTOFOROV, L., and KARADZHOV, I. On the value of the complement fixation test with enteroviruses isolated from pigs and sows. (Bu) Vet. Med. Nauk. 3(3):283-286. 1966. 41.8 V648
English summary.
- 13207 KITA, J. The effect of thermal stimuli on the opsonophagocytic reaction and complement system and the role of these stimuli in the pathogenesis of erysipelas. Pol. Arch. Weter. 10(1):1-18. Ref. 1966. 41.8 P76
- 13208 KOLCZAK, T., and PLJAROWSKI, A. Influence of methylthiouracil on the disappearance rate of glucose from blood after intravenous injection of glucose. (Pol) Roczn. Nauk Roln. 87-B:1-127-134. Ref. 1965. 20.5 R59
English summary.
- 13209 KOLCZAK, T. Measurement of turbidity of muscle water extract for estimation of the muscle degeneration degree. (Pol) Roczn. Nauk Roln. 88-B-3:303-315. Ref. 1966. 20.5 R59
English summary.
White muscle disease in swine.
- 13210 KUREK, C. Nutrition and pathogenesis of swine erysipelas. I. Appearance of Erysipelothrix insidiosa in the feces of pigs. (Pol) Pol. Arch. Weter. 8(4):535-546. 1965. 41.8 P76
English summary.
- 13211 KUREK, C. Nutrition and pathogenesis of swine erysipelas. II. Effect of high protein diet on the pathogenesis of swine erysipelas. (Pol) Pol. Arch. Weter. 8(4):709-745. Ref. 1965. 41.8 P76
English summary.
- 13212 LACHMAYR, F. Cryptorchism of swine. (Ge) Wien. Tierarztl. Monatsschr. 53(7):474-478. July 1966. 41.8 T345
- 13213 LAGNEAU, F. Agalactia of the sow. (Fr) Rec. Med. Vet. 142(8):673-694. Ref. Aug. 1966. 41.8 R24
English summary.
- 13214 LAWSON, G. H. K., and DOW, C. Porcine salmonellosis: a study of the field disease. J. Comp. Pathol. 76(4):363-371. Ref. Oct. 1966. 41.8 J82
Caused by Salmonella choleraesuis.
- 13215 L'ECUYER, C., and GREIG, A. S. Serological and biological studies on porcine enteroviruses isolated in Canada. Can. Vet. J. 7(7):146-154. Ref. July 1966. 41.8 R3224
- 13216 LOAN, R. W., and RODABAUGH, D. E. Serologic studies of hog cholera immunization. Amer. J. Vet. Res. 27(10):1333-1338. Sept. 1966. 41.8 Am3A
- 13217 LUDVIGSEN, J. B. Muscle degeneration of swine. (Da) Nord Jordbrugsforsk. 47(4):318-322. Ref. 1965. 11 N752
- 13218 MADRZAK, B. Discharge of blood into the muscle tissue of bacon pigs. (Pol) Med. Weter. 22(4):221-222. Apr. 1966. 41.8 M463
- 13219 MARKIEWICZ, Z., STANKIEWICZ, W., and TOMICKI, Z. The anti-anaemic action of the preparation "Ferrodox-Polfa" in piglets. (Pol) Med. Weter. 22(6):352-353. June 1966. 41.8 M463
- 13220 MATOV, K. The problem of the occurrence of muscle Trichinella in pig musculature and organs and trichinelloscopy. (Bu) Vet. Med. Nauk. 3(2):209-216. Ref. 1966. 41.8 V646
English summary.
- 13221 MCKAY, K. A., ABELSETH, M. K., and VANDREUMEL, A. A. Production of an enzootic-like pneumonia in pigs with "protoplasts" of Haemophilus parainfluenzae. Nature [London] 212(5060):359-360. Oct. 22, 1966. 472 N21
- 13222 MENCHACA, E. S. Eczematous skin lesions in baby pigs caused by excess of proteins in the ration. (Sp) Assoc. Argent. Criadores Cerdos. Rev. 45(526):29, 31-32. June 1966. 46.9 As5
- 13223 MEYER, R. C., WOODS, G. T., and SIMON, J. Pneumonitis in an enterovirus infection in swine. J. Comp. Pathol. 76(4):397-405. Ref. 41.8 J82
- 13224 MILANOV, M., and others. Research on brucellosis in pigs. IV. On the migration of Brucella suis var. danica in certain animals and birds. (Bu) Vet. Med. Nauk. 3(2):149-155. Ref. 1966. 41.8 V646
D. Chliev, V. Krustev, and M. Mateev, joint authors.
English summary.
- 13225 MOON, H. W., KORENSEN, D. K., and SAUTER, J. H. Escherichia coli infection of the ligated intestinal loop of the newborn pig. Amer. J. Vet. Res. 27(120):1317-1325. Ref. Sept. 1966. 41.8 Am3A

- 13226 MORGENSTERN, R. Untersuchung mit dem Hamagglutinationstest nach Segre zur serologischen Diagnose der Schweinepest am Lebenden Tier [Investigation with the hemagglutination test according to Segre for serological diagnosis of swine pest on live animal]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 34,45 p. 1965. 41.2 H198
Bibliography, p.35-44.
- 13227 MUYLLE, E., and others. Changes in the blood of slaughter-pigs. (Ge) Deut. Tierarztl. Wochenschr. 73(16):385-390. Ref. Aug.15, 1966. 41.8 D482
C. van den Hende, W. Oyaert, and I. H. Bouckaert, joint authors.
English summary.
Analysis of plasma constituents.
- 13228 MUYLLE, E., and OYAERT, W. Effect of coli endotoxin on some blood constituents of the pig. Zentralbl. Veterinarmed. Reihe A, 13(5):405-409. July 1966. 41.8 Z5
- 13229 NIELSEN, J. J. Pepsin-hydrochloric acid digestible nitrogen. (Da) Denmark, Landkon. Forsogslab. Arb. 1965(fall meeting):289-291. 49.9 D41
Chiefly swine.
- 13230 NIELSEN, N. C. Chronic proliferative and deforming polyarthritis in pigs. II. Pathological and bacteriological investigations. (Da) Nord. Veterinarmed. 18(9):385-416. Ref. Sept. 1966. 41.8 N813
English summary.
- 13231 OHLROGGE, J. Missbildungen beim Schwein [Malformations in swine]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 36,135 p. 1965. 41.2 H198
Bibliography, p.106-135.
- 13232 PENNA, R., and CEROTTO, F. Research on Salmonella of mesenteric lymph nodes of normally slaughtered swine. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:245-253. Ref. 1964. 41.9 T843
English summary.
- 13233 PHILIPP, H. J. Zur Feststellung von Staphylokokken bei Schlachtschweinen und Wege zur Verhütung des Befalls mit diesen Mikroorganismen [Determination of staphylococci in slaughter swine and methods for preventing infestation with these microorganisms]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 39, 103 p. 1965. 41.2 H198
Bibliography, p.74-102.
- 13234 PLESSE, W. Therapieversuche bei der sogenannten Oedemkrankheit des Schweines mit Cortisonen und Antihistaminica unter antibiotischem und chemotherapeutischem Schutz [Therapy trial in the so-called edema disease of swine with cortisone and antihistamines under antibiotic and chemotherapeutic protection]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 40,72 p. 1965. 41.2 H198
Bibliography, p.58-71.
- 13235 RISTIC, M., and others. Bentonite agglutination-inhibition test for transmissible gastroenteritis virus of swine. Amer. J. Vet. Res. 27(120):1345-1349. Ref. Sept. 1966. 41.8 Am3A
K. H. Sibinovic, S. Sibinovic, E. J. Ruitenbergh, and J. O. Alberts, joint authors.
- 13236 RONEUS, O. Studies on the aetiology and pathogenesis of white spots in the liver of pigs. Acta Vet. Scand. 7(sup.16), 112 p. 1966. 41.8 Ac87
Bibliography, p.107-112.
With special reference to ascarid infections.
- 13237 ROSA, W. A. J., and others. Algunas observaciones sobre ascariidiosis del cerdo [Some observations on ascariasis of swine]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 2(9):107-115. Ref. 1965. 41.8 R3227
R. Níez, R. Lukovich, and R. O. Gutierrez, joint authors.
English summary.
- 13238 RUHNKE, E. Behandlungsversuche mit einem Glukokortikoid bei der puerperalen Septikämie und Toxämie der Sauen in alternierender Reihe mit praxissublicher Therapie [Treatment trial with a glucocorticoid in the puerperal septicemia and toxemia of sows in alternating succession with usual practice therapy]. Hanover. Tierarztl. Hochsch. Inaug.-Diss 42,33 p. 1965. 41.2 H198
Bibliography, p.28-32.
Ciba 35:488-B.
- 13239 RYS, R., DUNIEC, H., and KUKLEWICZ, M. Relation between some biochemical indices in blood and weight gain of fattening pigs. (Pol) Roczn. Nauk Roln. 87-B-2:217-222. Ref. 1965. 20.5 R59
English summary.
- 13240 SAISSON, R. N blood group system of pigs. Nature [London] 211(5050):768. Aug.13, 1966. 472 N21
- 13241 SANCHEZ BOTIA, C. Present status of African swine fever. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(249):136-155. Mar. 1965. 41.9 C67
In Spain.
- 13242 SATSKOV, F. H. Changes in arterial system of swine head during infectious atrophic rhinitis. (Uk) Visnyk Sil'skohospodar. Nauk. 8:107-109. Aug. 1965. 20 V82
Russian summary.
- 13243 SCHOMBERG, D. W., and others. Identification of metabolites of progesterone-4-¹⁴C in domestic sow urine. Steroids 8(3):277-288. Ref. Sept. 1966. 381 St4
P. H. Jones, W. R. Featherston, and R. E. Erb, joint authors.
- 13244 SIBINOVIC, K. H., and others. Bentonite agglutination test for transmissible gastroenteritis of swine. Amer. J. Vet. Res. 27(120):1339-1344. Sept. 1966. 41.8 Am3A
M. Ristic, S. Sibinovic, and J. O. Alberts, joint authors.
- 13245 SIMONYI, E. Evaluation of swine fever antiserum in tissue cultures. (Hu) Magyar Allatorv. Lapja 21(8):343-347. Ref. Aug. 1966. 41.8 V644
English summary.
- 13246 SINK, J. D., and others. Preliminary investigation of certain aspects of myoclonia congenita in swine. Amer. J. Vet. Res. 27(120):1494-1497. Ref. Sept. 1966. 41.8 Am3A
M. D. Judge, R. G. Cassens, W. G. Hoekstra, R. H. Grummer, and E. J. Briskey, joint authors.
- 13247 SOLOMKIN, P. S. Preduprezhdenie zabolevani svinei [Prevention of diseases in swine]. Moskva, Kolos, 1965. 80 p. SF971.86
- 13248 TANHUAANPAA, E. Etiological observations on muscle degeneration of swine with special reference to grain and vitamin E. (Sw) Nord. Jordbrugsforsk. 47(4):322-324. Ref. 1965. 11 N752
- 13249 TOURNUT, J., LE BARS, H., and LABIE, C. Gastric lesions in the pig; the role of restraint in their etiology. (Fr) Rev. Med. Vet. [Toulouse] 117(4):365-388, map. Ref. Apr. 1966. 41.8 R32
English summary.
- 13250 TRUSZCZYNSKI, M. Investigations on the antigenic structure of a new serotype of Erysipelothrix insidiosa. (Pol) Pol. Arch. Weter. 9(1):27-38. Ref. 1965. 41.8 P76
English summary.
- 13251 VACHEV, B., and SEMOV, P. Role of Escherichia coli in gastroenteritis in newly-born pigs. (Bu) Vet. Med. Nauk. 2(9):885-891. 1965. 41.8 V6468
English summary.
- 13252 VEMMER, H., and GUTTE, J. O. Differences in the specific activity of the calcium of the various body parts of swine some time after parenteral injection of ⁴⁵Ca. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(4):233-247. Ref. July 1966. 389.78 Z3
English summary.

- 13253 VEMMER, H., GUTTE, J. O., and LENKEIT, W. Long term research on the retention of parenterally administered ^{45}Ca in swine. (Ge) Z. Tierphysiol. Tierernähr. Futtermittelkunde 21(4):247-253. Ref. July 1966. 389.78 Z3 English summary.
- 13254 VOLD, E. Relation between slaughter quality and the occurrence of abnormal light muscles of swine. (No) Nord. Jordbrugsforsk. 47(4): 324-326. 1965. 11 N752 Includes discussion.
- 13255 WACHTEL, W. The effect of 5-hydroxytryptamine on the blood pressure of swine. (Ge) Arch. Exp. Veterinarmed. 20(2):435-440. Ref. Apr. 1966. 41.8 Ex7
- 13256 WILSON, M. R., and PLUMMER, P. A survey of pig sera for the presence of antibodies to the psittacosis-lymphogranuloma-venerum group of organisms. J. Comp. Pathol. 76(4): 427-433. Ref. Oct. 1966. 41.8 J82
- 13257 WISSDORF, H., and NEURAND, K. The carpal joint of the pig; the morphological basis for the intraarticular injection. (Ge) Deut. Tierärztl. Wochenschr. 73(16):396.401-404. Ref. Aug. 15, 1966. 41.8 D482 English summary.
- 13258 WISSDORF, H. The tarsus of the pig. I-II. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(4): 369-383. Ref. June 1966. 41.8 Z5 English summary.
- 13259 WOLTER, H. Testing drug effect of Caulophyllum D 30. (Ge) Prakt. Tierarzt 47(9):431-432. Sept. 1, 1966. 41.8 P882 In labor pains of swine.
- 13260 ZELEN'SKIY, K. M. Correlation between morphological and biochemical blood indices and development of young pigs. (Uk) Visnyk Sil's'koho gospodar. Nauk. 4:95-97. Apr. 1965. 20 V82 Russian summary.
- 13261 ZIOLO, I. Myelinization of nerve fibres of pig spinal cord. Acta Anat. 61(2):298-320. Ref. 1965. 444.8 Ac82
- 13264 HENNIG, A., and ANKE, M. The composition of sow's milk in various lactational stages (raw nutrients, minerals, trace elements). (Ge) Arch. Tierzucht 9(4):321-331. Ref. 1966. 49 Ar23 English summary.
- 13265 HINTZ, H. F., HEITMAN, H., and ALBAUGH, R. Hot iron branding for hog identification. Calif. Agr. 20(5):4-5. May 1966. 100 C12Cag
- 13266 KOWALSKI, Z., and PANASIK, M. The comparison of living pig scores with post-slaughter estimation. (Pol) Roczn. Nauk Roln. 86-B-4: 577-586. Ref. 1965. 20.5 R59 English summary.
- 13267 LABIE, C. The problem of the quality of lean pork. (Fr) Rev. Med. Vet. [Toulouse] 117(4): 341-350. Apr. 1966. 41.8 R32 English summary.
- 13268 MAI, S. C. T.S.C. [Taiwan Sugar Corporation] hog raising program and its progress. Taiwan Sugar 13(1):14-18, 29. Jan./Feb. 1966. 65.8 T133
- 13269 PIASEK, Z., SZULC, W., and KOLAT, S. The ratio of the surface of lard and the surface of the longest back muscle on the cross section of loin behind the last rib as an index of musculature and the fatness of the carcass. (Pol) Roczn. Nauk Roln. 86-B-4:567-575. 1965. 20.5 R59 English summary.
- 13270 RERAT, A. Research on pig production in France. (Fr) World Rev. Anim. Prod. 2:39-65. Ref. Apr./June 1966. 49 W89 English summary.
- 13271 TANKERSLEY, H. C., and WELLS, W. Rural preparedness for swine producers. PNW (Pacific Northwest Coop. Ext.) Bull. 75, 8 p. June 1966. 275.29 W27Pn Joint publication of the Extension Services of Washington, Oregon, and Idaho. Radioactive contamination.
- 13272 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Raising a few hogs. U. S. D. A. Leaflet. 537, 8 p. May 1966. 1 Ag84L

Miscellaneous

- 13262 ALDEN, B. Slaughtering of pig at home. (Sw) Malmöhus Lans Hushallningssallsk. Kvartalskr. 4:396-400. 1965. 11 M29
- 13263 BOROWSKI, W. Investigation of measures in preventing deterioration of the physicochemical nature of soil of outdoor runs. (Pol) Roczn. Nauk Roln. 85-B-2:235-245. 1965. 20.5 R59 German summary. Chiefly swine enclosures.

ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry, references on industrial equipment with Agricultural Products, and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 13273 BALTZER, K. Functional planning. (Ge) Landmasch.-Markt 45(19):1173-1174. Sept.14, 1966. 58.8 L239
Farm layouts.
- 13274 BALTZER, K. Must fire protection be expensive? (Ge) Bauen Lande 17(8):205-206. Aug. 1966. 296.8 Ar1
- 13275 GELS, J. A. A farmyard concrete base of rubble and concrete. (Du) Landbouwmecanische 17(10):1039-1043. Oct.1966. 58.8 L2352
English summary.
- 13276 HAMP, F. Los Angeles County develops new constant-speed alternator. Fire Contr. Notes [Washington] 27(3):15. July 1966. 1 F766Fi
Fire control equipment.
- 13277 LEMAY, N. An inexpensive incinerator. Fire Contr. Notes [Washington] 27(3):15-16. July 1966. 1 F766Fi
Fire prevention in Wisconsin.
- 13278 MOORMAN, R. B., and KOWALSKI, R. E. For better fishing, control fish populations in farm ponds. Iowa Farm Sci. 21(4):5-7. Oct.1966. 275.28 I694
- 13279 MURDOCK, S. H. A pond or a puddle. J. Soil Water Conserv. 21(5):180-182. Sept./Oct.1966. 56.8 J822
- 13280 U. S. FOREST SERV. DIV. OF FIRE CONTROL. Fire defense in the United States; National Fire Coordination Study. Washington, 1966? 9 p. aTH9503.A2
In case of nuclear attack.

FARM MACHINES AND EQUIPMENT

- 13281 ANGLADETTE, M. A. The origin and evolution of some agricultural equipment in China. (Fr) Mach. Agr. Trop. 13:48-52. Jan./Mar. 1966. 58.8 M186
English summary.
- 13282 BABITSKII, V., GRITSENKO, A., and LOSEV, V. Organization of farm machinery repair in Czechoslovakia. (Rus) Tekh. Sel'skom Khoz. 10:88-91. Oct.1966. 58.8 M11
- 13283 BAGCHI, B. C., and BANERJEE, A. K. Machinery management. Indian Dairyman 18(8): 271-275. Aug.1966. 44.8 In282
Farm equipment.
- 13284 BALDINI, G. F. Mechanization and the dimensions of the farm land. (It) Macch. Motori Agr. 24(8):75-83. 1966. 58.8 M13
Economic aspects.
- 13285 BANC, I. Yields and the role of cooperative machines in the production of sugar beets and corn from 1963 to 1965. (Se) Landmasch 15(7):24-29. 1966. 280.28 Z13
- 13286 BARTLETT, G. S. Field mechanization. Sugar Azucar 61(11):14,16,18. Nov.1966. 65.8 F11
Sugarcane.
- 13287 BAUMANN, H. Development and trends in the farm machine market up to mid-year 1966. (Ge) Landmasch.-Markt 45(19):1182,1184, 1186. Sept.14,1966. 58.8 L239
- 13288 BLAZEK, J., and FIALA, J. The effect of physico-mechanical properties of silage on the performance of the upper unloaders. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedekotech. Inform. Zemedel. Tech. 39(5): 285-299. May 1966. 58.9 C333
English summary.
- 13289 CLARK, M. M. Plastic pipe on the farm. Nat. Agr. Plast. Conf. Proc., 6th Conf.:134-137. 1965. 309.9 N216

- 13290 CULPIN, C. English consultants cooperate in agricultural mechanization studies. (It) Macch. Motori Agr. 24(8):97-100. 1966. 58.8 M13
- 13291 CULPIN, C. Farm implements and machinery. Roy. Agr. Soc. Engl. J. 126:175-188. 1965. 10 R81
Review of the literature.
- 13292 DIFFIDENTI, G. A. Cooperation in zootechnics. (It) Inform. Zootec. 13(9):393-396. May 15,1966. 49 In3
Cooperative use of equipment.
- 13293 DIFFIDENTI, G. A. In "contract" of grain culture. (It) Trattorista 12(15/16):335-338. Aug.15 31,1966. 58.8 T69
Equipment.
- 13294 EXPLORING the 1967 western market. West. Farm Equip. 63(10):12-20. Oct.1966. 58.8 Im73
- 13295 FILLA, M. Organization of mechanized red-pepper production. (Hu) Kerteszet Szolesz. 15(14):16-17. July 1966. 80 K474
- 13296 GIBOR, Z. Export of Polish farm machinery U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 291.4 p. Aug.29,1966. (JPRS 37,311; TT 6663740) 173 J663Tree
Translation from Mechanizacja Rolnictwa 3: 12-13. May 1966.
CFSTI: \$1.00
- 13297 GOCKLER, L. Economic valuation of farm machines. (Hu) Magyar Mezogazdasag 21(31): 9. Aug.3,1966. 19 M27
- 13298 HAENCHEN, E. Pneumatic shears. (Ge) Obstbau [Berlin] 5(9):138-139. Sept.1965. 80 Ob79
For use in horticulture.
- 13299 HAMMER, W., and RUPRICH, W. Mechanization of the farmstead written large! (Ge) Mitt. Deut. Landwirt.-Ges. 81(25):1042-1044. June 23,1966. 18 N39
- 13300 KLAMKE, R. Mechanization of dairy cattle raising. (Ge) Deut. Landwirt. 17(8):396-400. Aug.1966. 18 D4822
Feeding, milk handling, and barn cleaning.
- 13301 KNOLL, I. Development of loading equipment. (Hu) Mezogazdasagi Vilagirdalom 8(4):349-354. Ref. 1966. 19 M577
Review of the literature.
- 13302 LEHNERT, W. Some problems of determination and evaluation of maintenance expenses in agricultural production cooperatives. (Ge) Deut. Agrartechn. 16(9):405-407. Sept.1966. 58.8 D482
- 13303 LEIN, M. Mechanization in field research. (Ge) Landwirt. Forsch. Sonderheft 20:54-59. Ref. 1966. 18 L2333A
- 13304 LUK'YANENKOV, L., and KOLDE, O. Mechanization of dairy farms in Estonian SSR. (Rus) Tekh. Sel'skom Khoz. 9:23-27. Sept.1966. 58.8 M11
- 13305 MAGNASCHI, P. Mechanization of sugar beet culture. (It) Esso Agr. 15(3):22-23. June 1, 1966. 58.8 Es7
- 13306 MOREL, R. A means of rural development: use of draft animals in the Prefecture of Ouaka (Central African Republic. (Fr) Mach. Agr. Trop. 13:3-27. Jan./Mar.1966. 58.8 M186
English summary.
- 13307 NIKL, L. The new maintenance problems to be solved by machine-tractor stations in Czechoslovakia. (Ge) Deut. Agrartechn. 402-403. Sept.1966. 58.8 D482
- 13308 NITSCHKE, K. Cooperation in the maintenance of agricultural machinery. (Ge) Deut. Agrartechn. 16(9):395-398. Sept.1966. 58.8 D482
- 13309 OGER, Y. Mechanization of pig pens for fattening pigs. (Fr) Rev. Med. Vet. [Toulouse] 117 (4):351-363. Apr.1966. 41.8 R32
English summary.
Chiefly feeding and cleaning equipment.
- 13310 PAOLA, G. DI. The mechanization of Italian agriculture in 1965. (It) Trattorista 12(15/16): 339-341. Aug.15/31,1966. 58.8 T69

- 13311 PEDERSEN, P. D. Cooperative mechanization with special reference to beet fields. (Da) Dyrker-Nyt 31:492-497. June 1966. 66.8 D99
- 13312 PELLIZZI, G. Efficient mechanization. (It) Agricoltura 15(8):33-40. Aug. 1966. 16 Ag8226
- 13313 PELLIZZI, G. Results of observations on farm mechanization of the Lombard Plain. (It) Bull. Agr. [Milano] 100(16):1-4. Sept. 15, 1966. 16 B87
- 13314 PELLIZZI, G. Results of observations on mechanization of farms on the Lombard Plain. (It) Bull. Agr. [Milano] 100(15):1-4. (Cont.) Aug. 31, 1966. 16 B87
- 13315 PETKOV, V. Status of mechanization in the Bulgarian agriculture. (Ge) Deut. Agrartech. 16(9):403-404. Sept. 1966. 58.8 D482
- 13316 PETRAKEV, A. Mechanization of the various agrotechnical processes for grapes; Bulgarian report. (Fr) Office Int. Vigne Vin. Bull. 39 (425/426):843-851. July/Aug. 1966. 390.8 B87
Presented at the 10th International Congress of Grapes and Wine, Tbilisi, 1962.
- 13317 PILGAARD, P. Mechanization of the dairy barn. (Da) Naesgaardsbogen 52:51-55. 1965. 104 N12N
- 13318 PIRTSKHALAISHVILI, S. KH. The agrotechnical preparation of tea plantations for mechanization. (Rus) Makharadzh. Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't. Subtrop. Kul't. 3:17-25. 1955. 68.19 M28
English summary.
- 13319 REBEL'SKII, S. I., and STERKIN, I. V. Industriya polei [Industry of the fields]. Moskva, Kolos, 1965. 240 p. S760.U4R4
Mechanization in USSR.
- 13320 RUNKI, P., and BORNCHEN, H. Plastics in agricultural machine and tractor construction. III. (Ge) Deut. Agrartech. 16(9):436-439. Sept. 1966. 58.8 D482
- 13321 SMITH, D. Mechanization in agriculture. (Sp) Sugar Azucar 61(10):82-86. Oct. 1966. 65.8 F11
Sugarcane.
- 13322 SPAIN. DIRECCION GENERAL DE AGRICULTURA. Censo de maquinaria agricola 1964 [Census of agricultural equipment 1964]. Madrid, 1965. 46 p. 263 Sp13
- 13323 VAVRA, A. Flow velocity of particles in pneumatic conveying. II. Experimental research. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39 (7):251-272. Ref. May 1966. 58.9 C333
English summary.
- 13324 VENEGAS, E. C., and HSIEH, S. C. Farm mechanization, agricultural labor force and agricultural development. Indus. Free China 26 (2):15-25. (Cont.) Ref. Aug. 25, 1966. 297.8 T99
- 13325 VENT, L. System of machines in the hop production in Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):373-384. July 1966. 58.9 C333
English summary.
- 13326 VILDE, A. A. Mechanization of sugar beet production in the Latvian SSR. (Rus) Sakhar. Svekla 9:4-7. Sept. 1966. 66.8 Su393
- 13327 VOIT, I. Work accumulation in the fall. (Hu) Magyar Mezogazdasag 21(38):8-9. Sept. 21, 1966. 19 M27
Proper utilization of equipment.
- 13328 WENK, A. Universal compensation system and compensation according to productivity in maintenance services of LPG. (Ge) Deut. Agrartech. 16(9):407-409. Sept. 1966. 58.8 D482
- 13329 WILSON, W. O. Poultry production. Sci. Amer. 215(1):56-62. 64. July 1966. 470 Sci25
Mechanization and automation, chiefly.
- 13330 YAVORSKII, A. Complex mechanization of dairy farm. (Rus) Tekh. Sel'skom Khoz. 9:27-30. Sept. 1966. 58.8 M11
- 13331 BOTOV, D. Distribution of feed on farms. (Rus) Tekh. Sel'skom Khoz. 10:26-29. Oct. 1966. 58.8 M11
- 13332 BYRNES, R. V. Better incubator fumigation. Power Farming Australia New Zeal. Better Farming Dig. 75(7):33. July 1966. 58.8 P87
With formaldehyde.
- 13333 DIEMEL, H. DLG-approved equipment for milking. (Ge) Landmasch.-Markt 45(20):1236-1237. Sept. 28, 1966. 58.8 L239
- 13334 DOLGOLEVETS, A. Automation of feed dosage by weight. (Rus) Tekh. Sel'skom Khoz. 10:39-40. Oct. 1966. 58.8 M11
- 13335 ELANSKAYA, N., and KERIMOV, N. Volume of vacuum in the pipeline during milking. (Rus) Tekh. Sel'skom Khoz. 9:30-31. Sept. 1966. 58.8 M11
- 13336 FEHER, K. Better utilization of milking machines and regular maintenance. (Hu) Magyar Mezogazdasag 21(37):18-19. Sept. 14, 1966. 19 M27
- 13337 GHOLSON, J. H., GELPI, A. J., and FRYE, J. B. Effect of a high-level and a low-level milk pipeline on milk fat acid degree values. J. Milk Food Technol. 29(8):248-250. Ref. Aug. 1966. 44.8 J824
- 13338 HAASE, H. Modern milk transportation. (Ge) Landmasch.-Markt 45(20):1232-1233. Sept. 28, 1966. 58.8 L239
On dairy farm.
- 13339 HAMMER, W. Water supply for farm animals. (Ge) Tierzuechter 18(19):674-676. Oct. 5, 1966. 49 T445
Equipment for swine and poultry watering.
- 13340 KUCHER, P., SOTNIKOV, V., and DANILENKO, I. Sanitation of the milking machines with steam. (Rus) Moloch. Prom. 11:34-37. Nov. 1966. 44.8 M734
- 13341 LIPATOV, N. Construction of centrifuges in the dairy industry. (Rus) Moloch. Prom. 11:16-18. Nov. 1966. 44.8 M734
- 13342 MEERK, A. M. Comments on milking systems. Dairymen's League News 50(21):6. Nov. 2, 1966. 44.8 D1432
Pipelines.
- 13343 RAMSAUER, G. Mechanisation and automation of feeding with potatoes. (Ge) Kartoffelbau 17(6):180-181. June 1966. 75.8 K145
Swine.
- 13344 RIEMANN, U. Grain groats distribution installations in fattening swine stalls. (Ge) Landtechnik 21(19):650-652. Oct. 1966. 58.8 L235
- 13345 WAGENER, B. Cleaning and disinfection of milking equipment. (Ge) Chem. Tech. Landwirt. 17(11):391-392. 394. 1966. 384 C4292

Cultivation and Tillage Equipment

- 13347 BATMANOV, A. Combined working apparatus for row crop cultivation. (Rus) Tekh. Sel'skom Khoz. 10:74-75. Oct. 1966. 58.8 M11
- 13348 CHINCHEVYCH, I. A. Harrowing in system of mechanized corn cultivation. (Uk) Visnyk Sil'skohospodar. Nauk. 4:28-31. Apr. 1965. 20 V82
Russian summary.
- 13349 GOTTWALD, A. Possibilities of the mechanized pruning. (Ge) Obstbauversuchung Alten Landes. Mitt. 21(5):191-195. May 1966. 85 J76
Pneumatic saws in fruit pruning.
- 13350 GUDZENKO, I. P. Mashiny dlya vozdevlyaniya i uborki kartofelya [Potato cultivation and harvesting equipment]. Moskva, Kolos, 1966. 239 p. Ref. S675.G8
- 13351 HARTMANS, D. Seedbed preparation for potatoes on heavy silt soil. (Lund) Danbougwechnisatie 17(10):1053-1057. Oct. 1966. 58.8 L2352
English summary.
- 13352 HAVELEC, S. The effects of the blade shapes of the rotary cultivators on the power requirements. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(5):301-308. May 1966. 58.9 C333
English summary.

Animal Husbandry Equipment

- 13331 ANGILEEV, O., RYBIN, G., and KRISYUK, V. Improving shearing equipment. (Rus) Tekh. Sel'skom Khoz. 9:31-33. Sept. 1966. 58.8 M11

- 13353 HORANSZKY, ZS. Modern support installation for grape. (Hu) Kerteszeti Szulesz. 15(16):5. Aug. 1966. 80 K474
- 13354 HORBATOV, I. A., and LAKHTIONOV, V. M. New construction of cultivator claws. (Uk) Visnyk Sil's'kohospodar. Nauk. 4:31-33. Apr. 1965. 20 V82
Russian summary.
- 13355 LONG, M. Pick the plow for your big power. Big Farmer 38(5):42-44. Fall 1966. 58.8 B46
Purchasing guide.
- 13356 MAUCH, A. Mechanical shaping of the fruit trees. (Ge) Tech. Gartenbau 2:1-2. Feb. 1966. 80 T223
- 13357 PALIERI, M., and RAMBELL, A. Plastics in the protection of wooden supports for grapes. (It) Prog. Agr. [Bologna] 12(7):701-703. July 1966. 58.8 P94
- 13359 SACHL, J. Mechanized pruning of hops. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):415-428. Ref. July 1966. 58.9 C333
English summary.
- 13359 SARKOZI, P. Theory and possibilities in fall tillage. (Hu) Mezogazdasagi Tech. 6(9):1-3. 1966. 58.8 M572
Equipment.
- 13360 SKLADAL, V., and MAKOVEC, K. Results of functional tests of machines for tillage of hops soils. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):397-413. July 1966. 58.9 C333
English summary.
- 13361 TARNAT, D. Multi-purpose buckrake. Power Farming Australia New Zealand. Better Farming Dig. 75(7):37,45. July 1966. 58.8 P87
Tillage.
- Fertilizing and Planting Equipment
- 13362 BABI, P. T. Mechanized formation of density by planting sugar beets. (Uk) Visnyk Sil's'kohospodar. Nauk. 7:27-35. July 1965. 20 V82
Russian summary.
- 13363 BALSER, R. L., and ROBERTSON, L. S. Past, present and future in design of ammonia application equipment. Agr. Ammonia News 16(6):56-57. Nov./Dec. 1966. 381 Ag82
Anhydrous ammonia.
- 13364 BANYAI, ZS. Mechanization problems in mineral fertilizer application. (Hu) Magyar Mezo-gazdasag 21(36):10-11. Sept. 7, 1966. 19 M27
- 13365 HORTON, D. B. 14 points to consider in a sound applicator maintenance program. Agr. Ammonia News 16(6):4,6. Nov./Dec. 1966. 381 Ag82
Fertilizers.
- 13366 MAMICHEV, V. YA. Mechanical methods in planting grown trees. (Rus) Sadovodstvo 9:15-16. Sept. 1966. 86 Sa13
Fruit.
- 13367 SACHL, J. Mechanization of hop planting. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):385-396. July 1966. 58.9 C333
English summary.
- 13368 THORP, C. E. The machinery I need for efficient soybean production. Soybean Dig. 26(12):37-38. Sept. 1966. 60.38 So9
For planting and harvesting.
- 13369 WOOLLEY, D. Aerial fertilizing will boom in Scandinavian forests. Agr. Chem. 21(10):47-48. Oct. 1966. 381 Ag8
- 13370 ZEHEITNER, and HAMMERSCHMID. Arrangement and performance figures of stable manure spreaders. (Ge) Traktor Landmasch. 28(11):645-650. Sept. 1, 1966. 58.8 T678Ag
- Harvesting Equipment
- 13371 ACSAY, F., and SARKOZI, K. Mechanical harvesting of sugar beets. (Hu) Magyar Mezo-gazdasag 21(39):9-10. Sept. 28, 1966. 19 M27
- 13372 AKIMEDOV, A., BURAKOV, V., and GARANI-NA, V. Mechanization of harvesting and loading of potatoes. (Rus) Tekh. Sel'skom Khcz. 9:11-14. Sept. 1966. 58.8 M11
- 13373 BAKOS, I. Mechanization of grape harvest-ing. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(9):348-354. Ref. Sept. 1966. 58.8 J29
English summary, p. 4 of content.
- 13374 BENNE, R. Utilization of single-seat vehicle to facilitate the harvest of strawberries. (Ge) Obstbau [Berlin] 6(2):26-29. Feb. 1966. 80 Ob79
- 13375 CATTABRIGA, D. Technique for forage har-vesting. (It) Macch. Motori Agr. 24(8):89-91. 1966. 58.8 M13
- 13376 CLAYTON, J. E., and WHITTEMORE, H. D. Mechanical harvesting of recumbent cane in Florida. Sugar Azucar 61(11):50-53. Nov. 1966. 65.8 F11
Text also in Spanish, p. 80-83.
- 13377 DEZSO, I. Organizational problems of table grape harvesting. (Hu) Kerteszeti Szulesz. 15(13):4-5. July 1966. 80 K474
Equipment and labor.
- 13378 GASPARETTO, E. First research on the opera-tion of a combined thresher-winnower for wheat. (It) Macch. Motori Agr. 24(8):53-59. 1966. 58.8 M13
- 13379 HALLEN, L. Better hay in an easier way. (Sw) Forsk. 6:1-11. 1966. 11 F77
Harvesting and drying equipment.
- 13380 HEIR, J. A. Power requirement of choppers. (No) Norsk Landbruk 10:14-16, 46-47. May 20, 1966. 11 N8122
- 13381 IVANOV, S. P., POPOV, B. N., and RASSIN-SKII, V. I. Is it proper to harvest cotton seeds mechanically? (Rus) Khlopkovodstvo 9:24-26. Sept. 1966. 72.8 K522
- 13382 JENCIC, R. Harvesting the fruit. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12):297-298. Aug. 20, 1965. 21.5 So14
Equipment.
- 13383 KARAMYSHEV, V. P., and SHERBAEV, KH. SH. Effectiveness of mechanical harvest-ing of cotton. (Rus) Khlopkovodstvo 9:10-12. Sept. 1966. 72.8 K522
- 13384 KEPNER, R. A., O'BRIEN, M., and CARLTON, A. B. Tests continued—mechanical harvesting of white asparagus. Calif. Agr. 20(5):8-11. May 1966. 100 C12Cg
- 13385 KONDRASHCHUK, K. New trailers for flax harvesting combines. (Rus) Len Konoplya 10:37-38. 1966. 73.8 L542
- 13386 LARSSON, K. Influence of distance of fall and bedding on the mechanical injuries of potatoes. (Sw) Sveriges Potatisodlars Riksförbund. Potatis 1966:46-49. 75.8 Sv2
During harvesting.
- 13387 MANFREDI, E., and CERA, M. Tests on mechanical harvesting of corn. (It) Prog. Agr. [Bologna] 12(9):857-882. Sept. 1966. 58.8 P94
- 13388 MANGERUD, K. Can the exact field chopper be simplified? (Ge) Landtechnik 21(19):654, 656. Oct. 1966. 58.8 L235
- 13389 MARKWARDT, E. D., LONGHOUSE, H. A., and MAYNARD, J. J. New Cornell catching frame for harvesting apples. Farm Res. [N. Y. Sta.] 31(4):8-9. Jan./Mar. 1966. 100 N48A
- 13390 ROGUCHII, I. Mechanized collecting of mint rootstocks. (Rus) Tekh. Sel'skom Khoz. 9:14-15. Sept. 1966. 58.8 M11
- 13391 SAFRAZBEKYAN, O. Two-phase harvesting of potatoes. (Rus) Tekh. Sel'skom Khoz. 10:17-19. Oct. 1966. 58.8 M11
Equipment.
- 13392 SAKOVITSEV, V. Improving the performance and reliability of wide-cutting windrowers. (Rus) Tekh. Sel'skom Khoz. 9:6-9. Sept. 1966. 58.8 M11
- 13393 SAYKIN, V. I. Proper use of combines. (Rus) Sakharn. Svekla 9:16-17. Sept. 1966. 66.8 Su393
Sugar beets.
- 13394 SCHAFFMAYER, H. Present status of beet harvesting technique. (Ge) Tech. Landwirt. 18(9):266, 270-271. Sept. 15, 1966. 58.8 T223
- 13395 SHPOLYANSKII, D. M., and others. Mechani-cal harvesting of fine-fiber cotton. (Rus) Khlopkovodstvo 9:14-16. Sept. 1966. 72.8 K522
R. I. Spevakov, S. Usarov, I. D. Shubin, and Kh. Kurbanov, joint authors.

- 13396 SLAVINSKII, E. M. Results of the study on application of the new cotton harvesting equipment. (Rus) Khlopkovodstvo 9:12-14. Sept. 1966. 72.8 K522
- 13397 SPELEERS, A., and HOED, J. Test for replacing wire by plastic, coconut fiber or sisal rope. (Fl) Belg. Hop 16(60):17-21. Oct. 1965. 70.8 B41
In connection with hop harvesting.
- 13398 STUDER, H. E., and others. Productivity improvement with picker aids for grape harvesting. Calif. Agr. 20(8):2-4. Aug. 1966. 100 C12Cag
J. J. Kissler, C. Lorenzen, and R. R. Parks, joint authors.
- 13399 TREFAS, L., and NAGY, F. Mechanization of coriander (*Coriandrum sativum* L.) harvesting. (Hu) Kiserletugyi Kozlemenyek 58/C(2): 95-107. Ref. 1965, pub. 1966. 105.9 H89
English summary.
- 13400 VAN DYNE, G. M. Use of a vacuum-clipper for harvesting herbage. Ecology 47(4):624-626. Summer 1966. 410 Ec7
- 13401 VECCHI, N. DE. The costs of pick-up baling. (It) Esso Agr. 15(3):14-15. June 1, 1966. 58.8 Es7
- 13402 ZOLDE, I. Mechanization of tomato harvesting. (Hu) Kerteszeti Szolész. 15(16):16-17. Aug. 1966. 80 K474
- Processing Equipment Used on the Farm
- 13403 ALLAKHVERDIEV, T., ZAKARYAN, M., and TAGIEV, T. Filbert cleaning equipment. (Rus) Tekh. Sel'skom Khoz. 9:55-56. Sept. 1966. 58.8 M11
- 13404 ANISKIN, V. I. Drying elite seed mechanically. (Rus) Selekt. Semenovodstvo 5:20-22. Sept./Oct. 1966. 61.9 Se5
- 13405 BROKAMP, L. Economic premises for the building of a potato drying establishment. (Ge) Kartoffelbau 17(4):112-113. Apr. 1966. 75.8 K145
- 13406 CALDERINI, G. Design of machine for retting hemp. (It) Macch. Motori Agr. 24(8):85-87. 1966. 58.8 M13
- 13407 DLKSTRA, H. Mobile grain drier for the contract firm. (Du) Loonbedrijf Land- Tuinbouw 19(9):781-783. Sept. 1966. 283.8 L87
Includes costs.
- 13408 FOOT, M. How to cut fuel costs using a hand-stoking system. Rhodesian Tobacco J. 18(9): 23-25. Sept. 1966. 69.8 R34
- 13409 FRIC, V., and MAKOVEC, K. Technology of hop drying in conveyor driers. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):429-443. Ref. July 1966. 58.9 C333
English summary.
- 13410 HENDERSON, S. M. Animal feed grinding and mixing plants. Agr. Eng. 47(10):548-549. Oct. 1966. 58.8 Ag83
- 13411 HIDVEGI, L. Preparation of good quality silage. (Hu) Magyar Mezőgazdaság 21(32):16-17. Aug. 10, 1966. 19 M27
Includes equipment.
- 13412 IVANOV, YA. Milk cooling equipment used on the farm in Denmark. (Rus) Moloch. Prom. 10:41-42. Oct. 1966. 44.8 M734
- 13413 KLEIN, J. The effect of drying on the quality of product. (Hu) Malomipar Termenyforgalom 13(4):148-153. July/Aug. 1966. 298.8 M292
Wheat.
- 13414 KOFOED, S. S., PEDERSEN, T. T., and HOBBERG, J. Grain drying by tractor-driven fan. Denmark. Vet.- Landbohøjsk. Arsskr., 1966: 207-225. 104 D41A
- 13415 KREYGER, J. Conservation of carotene in artificially dried green forage. (Du) Landbouwkundig Tijdschr. 78(1):33-37. Ref. Jan. 1966. 105.2 O3
- 13416 LUCIFERO, M. The Harvestore system on a cattle farm of the Chiana Valley. (It) Aliment. Anim. 10(8/9):387-398. Aug./Sept. 1966. 389.78 AL4
- 13417 LUGT, T. F. V. D. Stalk bruisers find little application in our country. (Du) Loonbedrijf Land- Tuinbouw 19(9):743, 745. Sept. 1966. 283.8 L87
For forage processing.
- 13418 MAKOVEC, K., and FRIC, V. Artificial control of moisture content of dried hops before packing. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(7):445-460. July 1966. 58.9 C333
English summary.
In drying process; includes equipment.
- 13419 MCKENZIE, B. A. A hot topic—cooling wet corn. Impl. Tractor 81(21):30. Oct. 7, 1966. 58.8 W41
- 13420 MUDRI, M., and PATAKI, V. Preparation of carbanimide silage with silo combine. (Hu) Magyar Mezőgazdaság 21(36):17-18. Sept. 7, 1966. 19 M27
- 13421 MYAND, A., and KHRAPACH, R. Artificial drying of sugar beet tops. (Rus) Tekh. Sel'skom Khoz. 9:18-20. Sept. 1966. 58.8 M11
- 13422 NAERLAND, G. O. Artificial drying of grass. (No) Norsk Landbruk 10:28-30, 40-41. May 20, 1966. 11 N8122
Equipment.
- 13423 OEHRING, J. Pipe milking and milk cooling being together. (Ge) Landmasch.-Markt 45 (2C):1229-1232. Sept. 28, 1966. 58.8 L239
Chiefly on cooling equipment.
- 13424 PLATONOV, I. Aggregate for preparation of silage from sugar beets. (Rus) Tekh. Sel'skom Khoz. 9:33-35. Sept. 1966. 58.8 M11
- 13425 RADIL, B. Some notions on potatoes injuries in the course of mechanical sorting. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(6): 349-358. June 1966. 58.9 C333
English summary.
- 13426 REJLEK, F., and RADIL, B. Post-harvest handling of potatoes and utilization of single grading lines. (Cz) Za Vysokou Urodu 14(8): 304-306. Aug. 1966. 64.8 Z12
- 13427 RUHMANN, H. Modern milk cooling. II. (Ge) Tierzucht 18(19):663-665. Oct. 5, 1966. 49 T445
Equipment.
- 13428 SANDEROD, P., and MANGERUD, K. Technical equipment for handling of silage. (No) Norsk Landbruk 10:12-13. May 20, 1966. 11 N8122
- 13429 SHVETS, D. S. Study on the process in preparation of grass meal. (Uk) Vysnyk Sil'skohospodar. Nauk. 7:34-38. July 1965. 20 V82
Russian summary.
Includes equipment.
- 13430 SKALIN, B. Experience with the processing of basic feed. (Sl) Soc. Kmetijstvo Gozdarstvo 17(7):149-151, 153. May 1966. 21.5 So14
Equipment.
- 13431 SZABO, L. Complex mechanization of corn harvesting. III. Possibilities for grading and sorting mechanization. (Hu) Magyar Mezőgazdaság 21(39):10-11. Sept. 28, 1966. 19 M27
- 13432 TIME, K. Artificial drying of hay. (No) Norsk Landbruk 10:6-8. May 20, 1966. 11 N8122
Equipment.
- 13433 TSCHERSCHKE, M., and IRMER, H. The use of equipment for preparation and distribution of liquefied feed mixtures. (Ge) Deut. Landwirt. 17(8):404-407. Aug. 1966. 18 D4822
- 13434 U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. Bulk cooling tanks on farms supplying Federal milk order markets. January 1966. U. S. Consum. Marketing Serv. C&MS-22, 16 p. Aug. 1966. A280.39 C762
- 13435 VAMOSI, J. Ventilation drying of corn on the cob. (Hu) Termelőszervekzetek Tanácsadoja 36:1-6. Nov. 7, 1966. 280.28 T272
- 13436 VOLOSHCHIK, D. P. Technology and mechanization of fresh hay silage preparation. (Rus) Zhivotnovodstvo 8:49-51. Aug. 1966. 49 Z6
- 13437 WILSON, B. Cheap grain cooling system. Power Farming Australia New Zeal. Better Farming Dig. 75(7):39. July 1966. 58.8 P87

- 13433 YEVDOKYMENKO, I. K. Determination of productivity of two-shaft fan mixer of continuous action. (Uk) Visnyk Sil'skohospodar. Nauk. 5: 12-15. May 1965. 20 V82
Russian summary.
Feed.
- 13439 ZELENKO, V. Improving the effectiveness of drying of flax seed-vessels. (Rus) Tekh. Sel'skom Khoz. 10:11-15. Oct. 1966. 58.8 M11
- 13440 ZOLDI, I. Tomato processing machine aggregates for large-scale production. (Hu) Kertesz Szolesz. 15(14):18-19. July 1966. 80 K474

Repair, Maintenance, and Construction Equipment

- 13441 BASEDOW, L. Building problems of workshops under cooperative conditions. (Ge) Deut. Agrartechn. 16(9):399-401. Sept. 1966. 58.8 D482
- 13442 BASEDOW, L. Buildings for washing, servicing, filling and sheltering agricultural machinery. (Ge) Deut. Agrartechn. 16(9):411-413. Sept. 1966. 58.8 D482
- 13443 BLANKEN, G. Emptying of pits for the manure-urine mixture and its bringing out. (Ge) Bauwesen 17(8):196,200-203. Aug. 1966. 296.8 Ar1
Equipment.
- 13444 CASSELL, E. A. Studies on chicken manure disposal. I. N. Y. State Dep. Health. Res. Rep. 12,128 p. 1966. 292.9 N483R
- 13445 CZVERNCZ, and PELLENYI. Welding of castings. (Hu) Mezogazdasagi Tech. 6(4):8-9. 1966. 58.8 M572
- 13446 FELLER, H. Development of farm mechanics between the two recent census. (Ge) Landmasch.-Markt 45(19):1188,1190. Sept. 14, 1966. 58.8 L239
- 13447 GUNZEL, B. Reorganization of the spare part supply for the socialistic agriculture of the German Democratic Republic. (Ge) Deut. Agrartechn. 16(9):424-425. Sept. 1966. 58.8 D482
- 13448 KYNAST, H. Mechanized movement of spare part materials. (Ge) Deut. Agrartechn. 16(9): 425-427. Sept. 1966. 58.8 D482
- 13449 MAZURKO, V., and PIKUS, E. Technology of manure handling in swine farms. (Rus) Tekh. Sel'skom Khoz. 10:20-26. Oct. 1966. 58.8 M11
- 13450 MELAMED, M., and KULIKOV, YU. Storage of machinery on open lots. (Rus) Tekh. Sel'skom Khoz. 10:52-55. Oct. 1966. 58.8 M11
- 13451 SELIVANOV, E. Concrete supports and pallets for storage of equipment. (Rus) Tekh. Sel'skom Khoz. 10:55-56. Oct. 1966. 58.8 M11
- 13452 WUSCHNER, G. Suitable use of oil reduces operating costs in agriculture. (Ge) Deut. Agrartechn. 16(9):417-419. Sept. 1966. 58.8 D482

Spraying and Dusting Equipment

- 13453 CARLTON, J. B., and ISLER, A. A. Development of a device to charge aerial sprays electrostatically. Agr. Aviation 8(2):44-47,50-51. Apr. 1966. 333.8 Ag8
- 13454 CROON, F. Spraying equipment for vegetable growing. (Fl) Tuinbouwberichten 29(11):484-486. Nov. 1965. 80 T817
- 13455 DUNNEBELL, H. Spraying equipment for chemical control. (Ge) Feldwirtschaft 7(4):213-215. Apr. 1966. 18 W763
Herbicides application in East Germany.
- 13456 HINGST, K. Innovations in plant protection technique. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (25):1039-1042. June 23, 1966. 18 N39
Equipment.
- 13457 KOVACS, I. Grape protection with airplane. (Hu) Kertesz Szolesz. 15(13):20-21. July 1966. 80 K474
Spraying.

- 13459 LABROUSSE, M. Materials for plant protection in the French-speaking developing countries, particularly in tropical Africa and Madagascar. (Fr) Mach. Agr. Trop. 12:3-10. Oct./Dec. 1965. 58.8 M186
English summary.
Sprayers and dusters.
- 13459 NOVAK, M. Equipment for the protection of terraced vineyards. (Sl) Soc. Kmetijstvo Gozdarstvo 17(10):220-223. Aug. 1966. 21.5 So14
Chiefly spraying equipment.
- 13460 NOVAK, M. Mechanized protection of terraced vineyards on slopes. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12):288-289. Aug. 20, 1965. 21.5 So14
Spraying equipment.
- 13461 SWINFORD, P. N. Equipment for weed control in soybeans. Soybean Dig. 26(12):39-40. Sept. 1966. 60.38 So9

Vehicles

- 13462 ALLES, K. Proper work with shaft coupling. 2. (Ge) Landmasch.-Markt 45(20):1247-1248. Sept. 28, 1966. 58.8 L239
- 13463 BAJOHR, W. A. More security and power through the four-wheel tractor. (Ge) Mitt. Deut. Landwirt.-Ges. 81(32):1223-1225. Aug. 11, 1966. 18 N39
- 13464 BERTONCELJ, M. Transportation of roughage into the housing with tied livestock. (Sl) Soc. Kmetijstvo Gozdarstvo 16(17):422-424. Dec. 11, 1965. 21.5 So14
Includes conveyors.
- 13465 COMAN, S. J. The lead acid vehicle battery. IV. Rhodesian Tobacco J. 18(9):61,63. Sept. 1966. 69.8 R34
- 13466 COUCH, I. R. Tractor testing in Australia. Rural Develop. 21:25-28. Sept. 1966. 281.8 R888
- 13467 DOHNE, E. Rapid coupling. (Ge) Tech. Landwirt. 18(9):258,260-262. Sept. 15, 1966. 58.8 T223
- 13468 ERNST, G. Not to overload the tractor. (Ge) DLZ-Landtech. Z. 17(10):652. Oct. 1966. 58.8 T677
- 13469 FERREYRA, D. E. Agricultural aviation in Argentina. Agr. Aviation 8(2):52-53. Apr. 1966. 333.8 Ag8
- 13470 FULSCHE, E., and SCHUTZE, H. Extension of oil change periods of tractor motors by stationary separation. (Ge) Deut. Agrartechn. 16(9):420-423. Sept. 1966. 58.8 D482
- 13471 HEFTI, J. Mechanization on slope: self propelling methods with garden tractors. (Ge) Traktor Landmasch. 28(11):681-688. (Cont.) Sept. 1, 1966. 58.8 T678Ag
- 13472 HORVATH, L. Repair of laminated springs. (Hu) Mezogazdasagi Tech. 6(8):6-7. 1966. 58.8 M572
Of farm vehicles.
- 13473 HORVATH, L. Repair of trailer. (Hu) Mezogazdasagi Tech. 6(4):4-5. 1966. 58.8 M572
- 13474 HOWARD, D. R. How to fly an ag plane by the seat of your diploma. Aerial Appl. 4(6):6-7. Aug. 1966. 333.8 Ae8
- 13475 INSTITUT NATIONAL DE GESTION ET D'ECONOMIE RURALE, SERV. D'ETUDES DE LA RENTABILITE DE LA MECANISATION AGRICOLE. Study of ensilage squads. (Fr) Organ. Gestion Entrep. Agr. 30(Etude 304), 9 p. Dec. 1965. 281.8 Or33
Costs of different tractor attachments.
- 13476 JENSEN, J. K. Are tractors noisy? Agr. Eng. 47(10):532-534. Oct. 1966. 58.8 Ag83
- 13477 JOHN, H. How to organize the service and maintenance of tractors in large-scale agriculture? (Ge) Deut. Agrartechn. 16(9):409-411. Sept. 1966. 58.8 D482
- 13478 KADAR, L. Diagnosing hydraulic failures without instruments. (Hu) Mezogazdasagi Tech. 6(6):6-7. 1966. 58.8 M572
On tractors.

- 13479 KAMMERLING, H. J. The change in tractor and equipment. (Ge) DLZ—Landtech. Z. 17 (10):639-642. Oct. 1966. 58.8 T677
- 13480 KOSEK, J., PICK, E., and VAVRA, V. Problems on the automatic steering of wheel tractors. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(6):311-332. June 1966. 58.9 C333 English summary.
- 13491 KOVACIK, J. Problem of properties of the underinflated tires on off-the-road ground. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(6):333-348. June 1966. 58.9 C333 English summary.
- On tractors.
- 13492 LEHOCZKY, L. Coupling of machines and operations. (Hu) Mezogazdasagi Tech. 6(8):1-3. 1966. 58.8 M572
- 13493 OEHRING, J. What can be expected from large tractors? (Ge) Landtechnik 21(19):664,666, 668. Oct. 1966. 58.8 L235
- 13494 PASENCHENKO, P. M. Side pulling of wheels and displacement of tractor during operation on slopes. (Uk) Visnyk Sil'skohospodar. Nauk. 4:33-37. Apr. 1965. 20 V82 Russian summary.
- 13495 PICK, E., and KOSEK, J. A study of the automatic steering of tractors on preselected trajectories. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(5):273-284. May 1966. 58.9 C333 English summary.
- 13496 ROSSI, A. Design meeting repair requirements in the tractor industry. (Ge) Deut. Agrartechn. 16(9):392-395. Sept. 1966. 58.8 D482
- 13497 SMITH, F. K. National Aviation Trades Association and National Aerial Applicators Association. Aerial Appl. 4(8):12,16. Aug. 1966. 333.8 Ae8
- 13498 STEFANELLI, G. Self-stabilized tractor and safety. (It) Prog. Agr. [Bologna] 12(7):667-682. July 1966. 58.8 P94
- 13499 STRUBE, H. Increase traction power—but how? (Ge) Chem. Tech. Landwirt. 17(9):307-308. 1966. 384 C4292 Tractors.
- 13490 VINCZE, J. Transportation problems of production cooperatives. (Hu) Magyar Mezogazdasag 21(32):5-6. Aug. 10, 1966. 19 M27
- 13491 WITTE, C. Elaboration of instruction for repairing tractors. (Ge) Deut. Agrartechn. 16(9):415-417. Sept. 1966. 58.8 D482

FARM STRUCTURES AND RURAL HOUSING

- 13492 BATES, D. W. How to build split ring trusses. Hord's Dairyman 111(21):1295. Nov. 10, 1966. 44.8 H65 Construction.
- 13493 BERGE, O. T. Lengthen the life span of your silo unloader. Hord's Dairyman 111(21):1296. Nov. 10, 1966. 44.8 H65
- 13494 FLUELER, J. Results of an enquiry on rural buildings in the Canton of Fribourg. (Fr) Agr. Romande (ser. B) 5(6):25-28, map. June 1966. 17 Ag8
- 13495 RIST, M., and others. "Aargau" settlement type—Switzerland. (Ge) Bauern Lande 17(9):217-224. Sept. 1966. 296.8 Ar1 W. Knoche, H. Burger, P. Zimmermann, and A. Zucol, joint authors. Farm building designs.
- 13496 SAPPOK, B. How far are the prefabricated houses that are offered usable for the farm? (Ge) Bauern Lande 17(3):53-56. Mar. 1966. 296.8 Ar1 Includes costs.
- 13497 STARK, R., and POHLMANN, H. Report on a tour of information to Belgium. (Ge) Bauern Lande 17(9):230,232-236. Sept. 1966. 296.8 Ar1 Buildings.

Animal Shelters and Animal Service Buildings

- 13498 ADAM, T. Comparative climatic examination of closed and open calf boxes. (Hu) Kiserletugyi Kozlemenyek 58/B(3):93-111. Ref. 1965, pub. 1966. 105.9 H89 English summary. Temperature, humidity, ventilation.
- 13499 AMBARTSUMYAN, V. Automatic regulation of light in poultry houses. (Rus) Tekh. Sel'skom Khoz. 9:49-50. Sept. 1966. 58.8 M11
- 13500 BEREK, G. Use of fencing in farrowing pens. (Hu) Allattenyeszties 15(3):239-246. Sept. 1966. 49 AL57 English summary. To prevent piglet losses.
- 13501 BLANKEN, G. Building types of fattening swine stalls. (Ge) Tierzucht 18(13):467-468. July 5, 1966. 49 T445 A pictorial report.
- 13502 BORUP, J. Heating of pigpens. (Da) Landbonyt 20(5):336-339. Oct. 1966. 11 L2322
- 13503 CLAYBAUGH, J. Cages for growing pullets. Poultry Trib. 72(11):26,43. Nov. 1966. 47.8 P8642
- 13504 COMBERG, G., and WOLFERMANN, H. F. The carbon dioxide, ammonia, and hydrogen sulfide content of air of cattle and swine stalls with gratings and slatted floors. (Ge) Arbgemeinsch. Landwirt. Bauwesen ALB-Ber. 22:19-25. 1964. 296.9 Ar1
- 13505 CORCELLE, M., and MAY, M. Two examples of transformation of old buildings. (Fr) Organ. Gestion Entrep. Agr. 33(Etude 334), 4 p. Apr. 1966. 281.8 Or33 Barns, including costs.
- 13506 GRZEGORZAK, A. Methodic investigations on the ventilation efficiency and the quantity of humidity addition in large closed cow barns. (Pol) Roczn. Nauk Roln. 65-B-2:247-263. Ref. 1965. 20.5 R59 English summary.
- 13507 HAASE, H. Healthy stall climate. (Ge) Landmasch.-Markt 45(19):1175-1177. Sept. 14, 1966. 58.8 L239 Chiefly on ventilation and lighting.
- 13508 HAMMER, W. Adaptable fattening swine stalls. (Ge) Bauern Lande 17(6):146-150. Ref. June 1966. 296.8 Ar1 Designs.
- 13509 HANSEN, H. E. Work in the dairy barn can be made easier. (Da) Landbonyt 20(5):340-344. Oct. 1966. 11 L2322 Mechanization.
- 13510 HILLIGER, H. G. Daily rhythm of air temperature and humidity of a cattle barn and its relation to those factors in the outside air. (Ge) Arbgemeinsch. Landwirt. Bauwesen ALB-Ber. 22:9-18. Ref. 1966. 296.9 Ar1
- 13511 JANOWSKI, T., and others. Zoohygienical evaluation of bullhouses in three artificial insemination stations for animals. (Pol) Kraw. Wyzsza Szkola Roln. Zeszyty Nauk. Zootech. 6:55-66. Ref. 1965. 49.9 K852 J. Kurowski, A. Maj, and H. Ostrowski, joint authors. English summary.
- 13512 KADLEC, J. E., and MORRIS, W. N. M. A comparison of swine growing-finishing building systems. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):24-35. Oct. 1966. 281.8 Am32
- 13513 KAPPETER, I., KERTESZ, F., and VARADI, J. A sertestartas epuletei [Buildings for swine rearing]. Budapest, Muszaki Konyvkiado, 1965. 272 p. (Mezogazdasagi Epites. No. 5) TH4930.K3 Includes feed processing equipment.
- 13514 KOCIS, J., and VARADI, J. Airing ventilators. (Hu) Mezogazdasagi Tech. 6(9):6-7. 1966. 58.8 M572 For livestock housing.

- 13515 MALINOWSKI, J., and others. Observation on loose rearing of young cattle in pens. (Pol) Roczn. Nauk Roln. 86-B-1:63-77. Ref. 1965. 20.5 R59
S. Kaminski, L. Staporek, and W. Jandl, joint authors.
English summary.
- 13516 MEHLER, A. Remodeling and building out of old buildings for closed cattle stanchion barns. III. (Ge) Landliche Bauberatung 10.4 p. In Deut. Landwirt. 17(8). Aug. 1966. 18 D4822
- 13517 NILSSON, L. Space requirements for layers. (Sw) Malmohus Lans Hushallningssallsk. Kvartalskr. 4:362-365. 1965. 11 M29
- 13518 OBER, J., and MITTRACH, B. Procedures for calculating the warmth of stalls. (Ge) Bauern Lande 17(4):90-92, 94. Apr. 1966. 296.8 Arl
- 13519 PARTHASARATHY, K. V., VISWANATHAN, M. P. Deep litter poultry house. Madras Inform. 21(8):11-14. Aug. 1966. 280.8 M26
- 13520 RIJKENBARG, G. J. H., and JONG, A. P. S. DE. Aspects of different types of housing for dairy farms. II. (Dut) Landbouwmecanische 17(10):1061-1066. Oct. 1966. 58.8 L2352
English summary.
Loose housing.
- 13521 ROBINSON, T. W. How successful are cow cubicles in practice? Agr. Northern Ireland 41(5):134-138. Sept. 1966. 256.13 Ag82M
- 13522 SAINSBURY, D. W. B. Housing of livestock. II. Veterinarian [Oxford] 41(1):29-32. June 1966. 41.8 V6467
- 13523 SCHUERHOLZ, H. The economy of stall temperatures in swine fattening. (Ge) Tierzuechter 18(13):469-470. July 5, 1966. 49 T445
- 13524 STIETENROTH, K., and BRANDT, J. Technical requirements in heating for the space-enclosing building components for cattle, swine, and hen stalls. (Ge) Arbemeinschaft. Landwirt. Bauwesen ALB-Ber. 22:3-8. 1964. 296.9 Arl
- 13525 TIUSANEN, A. Ventilation in the hen house. (Sw) Honsgarden 2:36-37. In Tidskr. Lantman Andersfolk 19. Oct. 15, 1965. 20 T43
- 13526 TJALLDEN, A. Sheepfolds. (Sw) Farskotsel 45(10):319-324. 1965. 45.9 Sv2
- 13527 U. S. AGRICULTURAL RESEARCH SERV. Farrow-to-finish swine unit: cooperative farm building plan No. 5993. U. S. D. A. Misc. Publ. 1036. 2 p. Sept. 1966. 1 Ag84M
- 13528 ZEMAN, J. Study of microclimate in the farrowing house for pigs. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B. Spisy Fak. Vet. 2:143-156. Ref. 1966. 105.92 B833
English summary.

Farmhouses and Farmsteads

- 13529 AAS, E. House and building milieu in our rural districts. (No) Norsk Landbruk 10:32-33, 36. May 20, 1966. 11 N8122
- 13530 BAASEN, E., and NOELL, H. Heat costs of a one-storey and two-storey dwelling with average and good heat protection. (Ge) Bauern Lande 17(3):57-62. Mar. 1966. 296.8 Arl
Insulation.
- 13531 BREUNIG, R. Examples of remodeling farmhouses. (Ge) Bauern Lande 17(3):74-77. Mar. 1966. 296.8 Arl
Layouts.
- 13532 DIEDERICH, G. Housing 1966. (Ge) Bauern Lande 17(6):155-159. June 1966. 296.8 Arl
Designs in Sweden.
- 13533 U. S. AGRICULTURAL RESEARCH SERV. 1 1/2 story dwelling: cooperative farm building plan No. 1179. U. S. D. A. Misc. Publ. 1034. 2 p. Oct. 1966. 1 Ag84M

Greenhouses and Plant Service Buildings

- 13534 AKOPYAN, R. Comparative evaluation of hydroponic units. (Rus) Tekh. Sel'skom Khoz. 10:7-11. Oct. 1966. 58.8 M11
- 13535 BESSEY, P. M. 1964 construction costs for a quarter acre, flat roof, plastic covered greenhouse for tomatoes. Nat. Agr. Plast. Conf. Proc., 6th Conf.:167-170. 1965. 309.9 N216

- 13536 COTTER, D. J., WALKER, J. N., and JENKINS, G. Construction cost for the Kentucky rigid frame greenhouse. Nat. Agr. Plast. Conf. Proc., 6th Conf.:171-173. 1965. 309.9 N216
- 13537 COTTER, D. J., and WALKER, J. N. Studies of humidities in plastic greenhouses. Nat. Agr. Plast. Conf. Proc., 6th Conf.:187-193. 1965. 309.9 N216
- 13538 COURTER, J. W. Comparison of annual ownership costs for plastic and glass greenhouses for production of tomatoes. Nat. Agr. Plast. Conf. Proc., 6th Conf.:174-178. 1965. 309.9 N216
- 13539 HINKLE, C. N., and MOELLER, C. F. Infrared transmission of clear plastic films. Nat. Agr. Plast. Conf. Proc., 6th Conf.:138-144. 1965. 309.9 N216
Used for greenhouses.
- 13540 JOHNSON, H. Plastic greenhouse construction costs in California. Nat. Agr. Plast. Conf. Proc., 6th Conf.:159-166. 1965. 309.9 N216
- 13541 KASSANDER, A. R., and others. Use of plastics in certain water production and conservation techniques. Nat. Agr. Plast. Conf. Proc., 6th Conf.:1-30. Ref. 1965. 309.9 N216
C. N. Hodges, T. L. Thompson, and A. W. Johnson, joint authors.
Greenhouse system and water desalting plant.
- 13542 LOON, H. L. VAN. Lighting of greenhouses and packing sheds. (Dut) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:120-123. 1966. 86 B65
- 13543 MASSEY, P. H. The National Agricultural Plastics Testing Program—phase I. Nat. Agr. Plast. Conf. Proc., 6th Conf.:147-151. 1965. 309.9 N216
Plastic greenhouses.
- 13544 NELSON, J. M. A study of the environment within a plastic greenhouse. Nat. Agr. Plast. Conf. Proc., 6th Conf.:179-183. 1965. 309.9 N216
Temperature.
- 13545 PERKINS, R. M., HOLLAND, A. H., and RODDA, E. D. Air supported plastic greenhouses. Nat. Agr. Plast. Conf. Proc., 6th Conf.:152-158. 1965. 309.9 N216
- 13546 PETRY, J. Experiences in the construction of buildings for the production of mushrooms. (Ge) Champignon 6(60):9-15. Aug. 1966. 80 C352
- 13547 REINA, A. The hot houses of Latina. (It) Esso Agr. 15(3):18-19. June 1, 1966. 58.8 Es7
- 13548 WALKER, J. N., and COTTER, D. J. Physical factors affecting the humidity in greenhouses. Amer. Soc. Agr. Eng. Pap. 66-405, 31 p. Ref. 1966. 290.9 Am32P

Storage Structures

- 13549 BARADA, L. Conditions for winter storage of potato. (Hu) Magyar Mezőgazdaság 21(39):15. Sept. 28, 1966. 19 M27
Includes structures.
- 13550 BORUZZI, M. Theoretical and practical problems of circular silos with horizontal plan. (Hu) Malomipar Termenyforgalom 13(4):157-161. July/Aug. 1966. 296.8 M292
- 13551 DORMAN, R. J. Know the function of safety relief valves. Agr. Ammonia News 16(6):10.12. Nov./Dec. 1966. 381 Ag82
Ammonia storage tanks.
- 13552 FERGUSON, S. Some factors determining site, size and design of anhydrous ammonia systems. Agr. Ammonia News 16(6):46A-46D. Nov./Dec. 1966. 381 Ag82
Storage systems.
- 13553 GAEBELER, Silos from building frames. (Ge) Bauern Lande 17(9):240-241. Sept. 1966. 296.8 Arl
Construction of prefabricated wooden silos.
- 13554 HENSEN, H. Planning of the storeroom in the agricultural household. (Ge) Bauern Lande 17(3):64-71. Mar. 1966. 296.8 Arl
Designs and layouts.
- 13555 KONIG, A., and WILCKE, J. Pressure equalizing system on airtight silos. (Ge) Landtechnik 21(19):656-662. Oct. 1966. 58.8 L235

- 13556 MAKARSHIN, L., ERLIKH, S., and AGAEVA, N. Structure for tobacco drying. (Rus) Tekh. Sel'skom Khoz. 9:20-22. Sept.1966. 58.8 M11
- 13557 NYGARD, A. The silo as preparation container and storage room for grass silage. (No) Norsk Landbruk 10:20-23. May 20,1966. 11 N8122

FARM UTILITIES

Electricity and Electrification

- 13559 BANTZER, A. The costs of connecting with the electricity supply network. (Ge) Bauen Lande 17(4):101-102. Apr.1966. 296.8 A1
- 13559 KHOMENKO, I. V., and DOROSH, I. Y. Role of electrification in material and technical development of agriculture. (Uk) Visnyk Sil's'-kohospodar. Nauk. 7:22-27. July 1965. 20 V82 Russian summary.
- 13560 MILLER, W. R. Selecting electric controls for farm use. Agr. Eng. 47(10):530-531,543. Oct. 1966. 58.8 Ag83
- 13561 NORTH CAROLINA. RURAL ELECTRIFICATION AUTHORITY. Annual progress report of rural electrification in North Carolina. July 1, 1966. Raleigh. 1966. 18 p. 335.9 N81
- 13562 RUDE, M. Electric current prices. (Ge) Tech. Landwirt. 18(9):272,274. Sept.15,1966. 58.8 T223
- 13563 T'AI-WAN TIEN LI KUNG SSU. Rural electrification in Taiwan. Taipei, 1966. 20 p. HD9688.T3T3
- 13564 TARAN, V. P. Determination of degree of tension of electric wiring in relation to work with welding equipment. (Uk) Visnyk Sil's'kohospodar. Nauk. 6:14-19. June 1965. 20 V82 Russian summary.

Heating, Lighting, and Radiation

- 13565 BARRETT, J. R., and DANIEL, W. H. Turf heating with electric cable. Agr. Eng. 47(10): 526-529. Oct.1966. 58.8 Ag83

Power Plants, Motors and Engines on the Farm

- 13566 BRANDT, R. G. Power requirements for soybean production. Soybean Dig. 26(12):44-45,48. Sept.1966. 60.38 S09
- 13567 LONG, M. E. Save fuel dollars--by knowing the compression ratio of your engine, the octane rating of your fuel, and condition of the engine. Hoard's Dairyman 111(21):1294. Nov.10,1966. 44.8 H65
- 13569 ONTARIO. HYDRO-ELECTRIC POWER COMMISSION. Fifty-eighth annual report for the year 1965. Toronto, 1966. 254 p..map. 335.9 On8
- 13570 RITCHIE, R. F. D. The development of water power in New Zealand. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:188-192, map. 1965. 290.9 Un35F

- 13570 ROMANELLO, G. It is possible to avoid the abuse of motors. (It) Esso Agr. 15(3):28-29. June 1,1966. 58.8 Es7
Proper lubrication.
- 13571 SHALLOW, P. G. D. Review of development of hydro-electric power in the Federation of Malaya, 1962-1964. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:186-187. 1965. 290.9 Un35F

Telephones

- 13572 CLAPP, N. M. A report on the REA telephone program. Telephony 171(17):116,118,120,150. Oct.22.1966. 335.8 T23

Water Supply

- 13573 ALSAYEGH, A. Y., HANSON, C. L., and ERICKSON, C. J. Western South Dakota; salt balance in livestock pond waters. S. Dak. Farm Home Res. 17(3):20-22,map. Ref. Summer 1966. 100 So825
- 13574 BELTEKY, L. Possibilities for the development of thermal water resources in Hungary. (Hu) Vizugyi Kozlem. 2:165-193,map. Ref. 1966. 290.9 H89
English summary, p.43-44 of summaries.
Includes farm utilization.
- 13575 CANTO, R. C. DEL. Financing water supply programs. (Sp) Ofic. Sanit. Panamer. Bol. 60 (2):120-132. Feb.1966. 449.9 P192B
English summary.
Includes rural water supply in Latin American Countries.
- 13576 HINCHLIFF, M. Water resources and the beef industry. Water Res. Found. Australia. Rep. 22:39-40. Oct.1965. 292.9 W296R
On the farm and in the processing industry.
- 13577 JACKSON, R. D., and VAN BAVEL, C. H. M. Water for survival: an unusual application of plastic film. Nat. Agr. Plast. Conf. Proc., 6th Conf.:38-41. 1965. 309.9 N216
Distillation of drinking water from plant and soil evapotranspiration moisture.
- 13579 JELINEK, I. Water supply for farm cattle farm. (Hu) Mezogazdasagi Tech. 6(8):8-9. 1966. 58.8 M572
- 13579 MATHIS, D. The payoff is water for Lovelock Valley ranchers. Ext. Serv. Rev. 37(9):6-7. Sept.1966. 1 Ex892Ex
Nevada.
- 13580 OROSZLANY, I. Study of the level of agricultural water management. (Hu) Vizugyi Kozlem. 2:194-215,map. Ref. 1966. 290.9 H89
English summary, p.44-46 of summaries.
- 13581 SHAFFERT, E. Machinery for water supply on pastures. (Rus) Tekh. Sel'skom Khoz. 10:46-48. Oct.1966. 58.8 M11
Pumps.
- 13582 WOODING, N. H. Stop corrosion in water pipes. Hoard's Dairyman 111(20):1223-1224. Oct.25,1966. 44.8 H65

ENTOMOLOGY

GENERAL ENTOMOLOGY
(EXCEPT TAXONOMIC AND GEOGRAPHIC)

- 13583 ANNUAL review of physiology, volume 28, edited by V. E. Hall, A. C. Giese, and R. R. Sonfenschein. Palo Alto, 1966. 571 p. Ref. 444.8 An7
Partial contents: Muscle, by D. R. Wilkie, p.17-38; Comparative physiology: learning in invertebrates, by J. V. McConnell, p.107-136; Some aspects of reproductive physiology, by C. W. Lloyd and J. Weisz, p.267-310.
Includes insects.
- 13584 BREYMEYER, A. Diurnal cycles of the macrofauna in age-different biocoenoses. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(4):211-213. 1966. 512 W262
Predatory arthropods.
- 13585 BUCHNER, P. Endosymbiosis of animals with plant microorganisms. Rev. 909 p. QH548.B83
Bibliography, p.839-889.
Chiefly insects.
Translation of Endosymbiose der Tiere mit Pflanzlichen Mikroorganismen.
- 13586 BULLOCK, J. A. The ecology of Malaysian caves. Malayan Natur. J. 19(1):57-64. May 1965. 409.6 M29
Includes insects.
- 13587 DEXTER, R. W. A. S. Packard's Annual Record of American Entomology, 1871-1873. Brooklyn Entomol. Soc. Bull. (n.s.)59/60:35-36. 1964/65, distributed 1966. 420 B79
- 13588 DOMINGUEZ, X. A., and others. General chemical study of six insects: *Epicauta polingi*, *E. lemniscata*, *Phyllophaga crinita*, *Murgantia histrionica*, *Melanoplus differentialis* and *Edessa reticulata*. (Sp) Ciencia 25(1):21-24. Ref. 1966. 475 C48
J. Mathieu, R. Rivera, and G. Leal, joint authors.
English summary.
- 13589 DUNN, F. L. Gua Anak Takun: ecological observations. Malayan Natur. J. 19(1):75-87. May 1965. 409.6 M29
Includes aquatic insects and other arthropods.
- 13590 FRANCE, CENTRE NATIONAL DE COORDINATION DES ETUDES ET RECHERCHES SUR LA NUTRITION ET L'ALIMENTATION. COMMISSION DE "NUTRITION CHEZ LES POECILO- THERMES." La nutrition chez les poecilo- thermes: reunions des 9, 10 et 11 decembre 1965 [Nutrition in the poekilotherms; meeting of December 9, 10, and 11, 1965]. Ann. Nutr. Aliment. 20(4):321-396. Ref. 1966. 389.8 An73
Includes papers on insects.
- 13591 HAMILTON, W. D. The moulding of senescence by natural selection. J. Theor. Biol. 12(1):12-45. Ref. Sept. 1966. 442.8 J8223
Includes insects.
- 13592 HOCKS, P., and WIECHERT, R. 20-Hydroxyecdysone isolated from insects. (Ge) Tetrahedron Lett, 29:2989-2993. Ref. July 1966. 385 T29
- 13593 JACOB, J. Intracellular deoxyribonucleic acid components in insect cells as revealed by electron microscopy. Nature [London] 211 (5044):36-38. Ref. July 2, 1966. 472 N21
- 13594 JENKIN, P. M., and HINTON, H. E. Apolysis in arthropod moulting cycles. Nature [London] 211(5051):871. Aug. 20, 1966. 472 N21
- 13595 KEISER, I. Insects and related arthropods in heraldry. Entomol. Soc. Amer. Bull. 12(3): 314-318. Sept. 1966. 423.9 En8
- 13596 KLOTS, A. B., and KLOTS, E. B. Living insects of the world. Garden City, New York, Doubleday, 1965. 304 p. Ref. QL463.K5
Includes colored illustrations.
- 13597 LEATHERDALE, D. A host catalogue of British entomogenous fungi: second supplement. Entomol. Mon. Mag. 101(1214/1216):163-164. Ref. July/Sept. 1965. 421 En86
- 13598 LEGAY, J. M. Direct microcalorimetry in insects. (Fr) Ann. Nutr. Aliment. 20(4):388-391. 1966. 389.8 An73
Includes discussion.
- 13599 LOWRY, G. R. Production and food of cut-throat trout in three Oregon coastal streams. J. Wildlife Manage. 30(4):754-767. Ref. Oct. 1965. 410 J827
Includes aquatic arthropods.
- 13600 MCCLURE, H. E. Microcosms of Batu caves. Malayan Natur. J. 19(1):65-74. May 1965. 409.6 M29
Includes insects.
- 13601 MEUSE, B. J. D. The voodoo lily [*Sauromatum guttatum*]. Sci. Amer. 215(1):80-87. July 1966. 470 Sci25
Emits odor that attracts insect pollinators.
- 13602 MEYER, J. Study of the application of some cybernetic models to the coordination of social insects. (Fr) Insectes Sociaux 13(2):127-138. June 1966. 421 In79
- 13603 MILES, P. W. A modification of Wigglesworth's model for the excretion of uric acid in insects, in the light of modern hypotheses of ion transport. J. Theor. Biol. 12(1):130-132. Sept. 1966. 442.8 J8223
- 13604 OLDROYD, H. Insects and their world. Ed. 2. London, British Museum (Natural History), 1966. 144 p. Ref. QL463.O4
Includes physiology and behavior.
- 13605 PALII, V. F. Metodika fenologicheskikh i faunisticheskikh issledovaniy nasekomykh [Phenological and faunistic methods of insect investigations]. Frunze, 1966. 177 p. Ref. QL496.P28
- 13606 PALII, V. F., and IBRAMOVA, K. Nasekomye, ikh zhizn' i znachenie [Insects, their life and importance]. Frunze, Ilim, 1965. 76 p. QL496.P3
Text in Kirghizian.
- 13607 PORSCH, O., and SCHIMITSCHEK, E. Insects as flower visitors. (Ge) Z. Angew. Entomol. 57(1):1-72. Ref. Feb. 1966. 421 Z36
- 13608 RYABOV, V. F., and MOSALOVA, N. I. Feeding habits of Limicolae (*Chettusia gregaria* Pall., *Vanellus vanellus* L., *Glareola nordmanni* Fischer-Waldh., *Charadrius asiaticus* Pall.) in regions of virgin lands. (Rus) Zool. Zhur. 45(6):910-918. 1966. 410 R92
English summary.
Includes insect food.
- 13609 RYAZANOVA, G. I. Studying insect flight by filming. (Rus) Zool. Zhur. 45(6):938-939. 1966. 410 R92
English summary.
- 13610 SABROSKY, C. W. Mounting insects from alcohol. Entomol. Soc. Amer. Bull. 12(3):349. Sept. 1966. 423.9 En8
- 13611 SUZUKI, A., and others. Structural elucidation of destruxin A. Agr. Biol. Chem. 30(5):517-518. May 1966. 385 Ag8B
S. Kuyama, Y. Kodaira, and S. Tamura, joint authors.
Metabolite from *Oospora destructor*, a pathogenic fungus for insects.
- 13612 TRANSVAAL MUSEUM, PRETORIA. Report for the year ending 31st March, 1965. Pretoria, 1965. 64 p. 515 T68A
Text also in Africans.
Includes entomology and botany.
- 13613 TRIPLEHORN, C. A. Entomology of Brazil in the view of a North American entomologist. (Port) Biologico 31(1):3-12. Jan. 1966. 442.8 B529
- 13614 WATSON, D. G., and others. Limnology of tundra ponds and Ogotoruk Creek. In Willimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.415-435, map. Ref. 1966. QH105.A4W5
W. C. Hanson, J. J. Davis, and C. E. Cushing, joint authors.
Includes aquatic insects.
- Arachnida, Myriapoda, etc.
- 13615 BREYMEYER, A. Relation between *Lycosa lugubris* (Walck.) (Araneida) and the other wandering spiders with regard to penetration of forest litter. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(4):215-217. 1966. 512 W262

- 13616 ELBADRY, E. A., and TAWFIK, M. S. F. Life cycle of the mite *Adactylidium* sp. (Acarina: Pyemotidae), a predator of thrips [Gynaikothrips ficorum] eggs in the United Arab Republic. Entomol. Soc. Amer. Ann. 59 (3):458-461. May 1966. 420 En82
- 13617 FRINGS, H., and FRINGS, M. Reactions of orb-weaving spiders (Argiopidae) to airborne sound. Ecology 47(4):578-588. Ref. Summer 1966. 41C Ec7
Araneus cavaticus, Argiope aurantia and A. avara.
- 13618 FURMAN, D. P. Biological studies on Haemolaelaps centrocarpus Berlese (Acarina: Laelapidae) with observations on its classification. J. Med. Entomol. 2(4):331-335. Ref. Jan. 1966. 421 J828
- 13619 GARRIGUES, R. Two galls from Hoggar. (Fr) Marcellia 32(3):139-151. Ref. Sept. 1965. 421 M33
On Atriplex halimus and Tamarix articulata probably caused by a mite.
- 13620 GRANGE, C. A., and PEARSON, R. G. Cuticular structure in the Phalangida. Nature [London] 211(5051):866. Aug. 20, 1966. 472 N21
Nemastoma lugubre, Leiobunum rotundum and Phalangium opilio.
- 13621 HALKKA, R., and HALKKA, O. Periodomorphosis of intersexual individuals in the diploped Schizophyllum sabulosum L. Rev. Suisse Zool. 73(2):267-281. May 1966. 410 R324
- 13622 JACK, K. M., and GIROT, B. Notes on the development of Hirstiella insignis, (Berlese) 1892. Acarologia 7(2):286-293. Apr. 1965. 434.8 Ac1
- 13623 KADY, M. Behavior of Tetranychus telarius L. on various host plants (Acarina). (Ge) Soc. Entomol. Egypte. Bull. 48:75-80. 1964, pub. 1965. 420 Eg9
- 13624 KADY, M. The effect of environmental factors on the spider mites Metatetranychus ulmi, Bryobia praetiosa and Tetranychus telarius in fruit stands (Acarina). (Ge) Soc. Entomol. Egypte. Bull. 48:81-94. 1964, pub. 1965. 420 Eg9
Includes ecology.
- 13625 KADY, M. Study of the biology of Tetranychus telarius L. complex on various host plants. (Ge) Soc. Entomol. Egypte. Bull. 48:49-59. 1964, pub. 1965. 420 Eg9
- 13626 KANWAR, U. The sperms of Arachnida. Panjab Univ. Res. Bull. (n.s.) 16(4):363-365. Dec. 1965. 513 Ea72
A structural study.
- 13627 KINZELBACH, R. On the washing of Ixurus dufouraeus Brulle (Scorpionida, Arachnida). (Ge) Zool. Anz. 176(1):12-23. Ref. Jan. 1966. 410 Z7
- 13628 KNULLE, W. Equilibrium humidities and survival of some tick larvae. J. Med. Entomol. 2 (4):335-338. Ref. Jan. 1966. 421 J828
Dermacentor andersoni, D. variabilis, and Amblyomma cajennense.
- 13629 KUNDIN, W. D., and others. Recovery of unengorged larval trombiculid mites (Acarina) from ground holes. Nature [London] 211(5054):1213. Sept. 10, 1966. 472 N21
M. Nachatram, R. W. Upham, and G. Rapmund, joint authors.
- 13630 LEBRUN, P. Contribution à l'étude écologique des oribates de la litière dans une forêt de Moyenne-Belgique [Contribution to an ecological study of the Oribatei from the litter of a central Belgian forest]. Inst. Roy. Sci. Natur. Belg. Mem. 153, 96 p. Ref. Mar. 31, 1965. 504 B835
- 13631 MADGE, D. S. The behaviour of Belba geniculosa Oudemans, and certain other species of oribatid mites in controlled temperature gradients. Acarologia 7(2):389-406. Ref. Apr. 1965. 434.8 Ac1
- 13632 MAZZOTTI, L. Natural enemies of Scorpionida. (Sp) Rev. Invest. Salud Publica 26(1):51-55. Jan./Mar. 1966. 449.9 M572
English summary.
Includes poultry and ducks.
- 13633 MCMURTRY, J. A., and JOHNSON, H. G. An ecological study of the spider mite Oligonychus punicae (Hirst) and its natural enemies. Hilgardia 37(11):363-402. Ref. May 1966. 100 C12H
Insects and mites as predators.
- 13634 MEINWALD, Y. C., MEINWALD, J., and EISNER, T. 1,2-Dialkyl-4 (3H)-quinazolinones in the defensive secretion of a millipede (Glomeris marginata). Science 154(3747):390-391. Oct. 21, 1966. 470 Sci2
1-methyl-2-ethyl-4 (3H)-quinazolinone and 1,2-dimethyl-4 (3H)-quinazolinone.
- 13635 MKULSKA, I., and KOKOCINSKI, W. A case of spontaneous fusion of legs in the spider Agelenalabyrinthica Clerck. (Fr) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(6):425-426. 1966. 512 W262
- 13636 MORI, H., and CHANT, D. A. The influence of humidity on the activity of Phytoseiulus persimilis Athias-Henriot and its prey, Tetranychus urticae C. L. Koch (Acarina: Phytoseiidae, Tetranychidae). Can. J. Zool. 44(5):863-871. Ref. Sept. 1966. 470 C16D
- 13637 NAEGELE, J. A., MCENROE, W. D., and SOANS, A. B. Spectral sensitivity and orientation response of the two-spotted spider mite, Tetranychus urticae Koch, from 350mu to 700mu. J. Insect Physiol. 12(9):1187-1195. Ref. Sept. 1966. 421 J825
Includes locomotion.
- 13638 NUTTING, W. B. Host-parasite relations: Demodicidae. Acarologia 7(2):301-316. Ref. Apr. 1965. 434.8 Ac1
Parasites of mammals.
- 13639 PETROV, V. G. Artificial breeding method for gamasid mites, Hirstionyssus musculi Johnst. (Rus) Zool. Zhur. 45(6):936-937. 1966. 410 J92
English summary.
Mice as hosts.
- 13640 POLLAK, P. M. Esterase activity in the Arachnida. Nature [London] 211(5048):546-547. July 30, 1966. 472 N21
- 13641 SMITH, G. T. Observations on the life history of the scorpion Urodacus abruptus Pocock (Scorpionida), and an analysis of its home sites. Australian J. Zool. 14(3):383-398. Sept. 1966. 410 Au73
- 13642 SUNDMAN, J. A., and MORRISON, E. O. A new host record [skunk] for Rhipicephalus sanguineus (Acarina: Ixodidae). Kans. Entomol. Soc. J. 39(2):354. Apr. 1966. 420 K13
- 13643 VERCAMMEN-GRANDJEAN, P. H. On the true nature of the "striate" solenidion in chiggers (Trombiculidae: Acarina). Acarologia 7(2):318-320. Ref. Apr. 1965. 434.8 Ac1
- 13644 WEYGOLDT, P. Mating behavior and spermatophore morphology in the pseudoscorpion Dиноcheirus tumidus Banks (Cheliferinea, Chernetidae). Biol. Bull. 130(3):462-467. June 1966. 442.3 B52
- 13645 WEYGOLDT, P. Spermatophore web formation in a pseudoscorpion. Science 153(3744):1647-1649. Sept. 30, 1966. 470 Sci2
Serianus.
- 13646 WHITCOMB, W. H., HITE, M., and EASON, R. Life history of the green lynx spider, Peucetia viridans (Araneida: Oxyopidae). Kans. Entomol. Soc. J. 39(2):259-267. Ref. Apr. 1966. 420 K13
- 13647 WHITE, L. D. Plant feeding mites of South Dakota. S. Dak. Agr. Exp. Sta. Tech. Bull. 27, 60 p., map. Ref. May 1966. 100 So82
Biology and taxonomy.

Coleoptera

- 13648 AERTS, F. E., and VERCAUTEREN, R. E. Specificity and mode of action of phenoloxidase from larvae of Tenebrio molitor. Enzymologia 28(1):1-20. Ref. Nov. 30, 1964. 390.08 En9
- 13649 ANGUS, R. B. A note on the swimming of Ba-gous himosus (Gyll.) (Col., Curculionidae). Entomol. Mon. Mag. 101(1214/1216):202. July/Sept. 1965. 421 En86

- 13650 BADAWY, A. Some factors affecting the fecundity and longevity of *Trogoderma granarium* Everts (Coleoptera: Dermestidae). Soc. Entomol. Egypte. Bull. 48:281-290. Ref. 1964, pub. 1965. 420 Egr
- 13651 BARLOW, C. A., and PERTTUNEN, V. Some effects of desiccation on locomotion of the grain beetle, *Stophilus granarius* L. (Coleoptera: Curculionidae). Can. J. Zool. 44(5):825-837. Sept. 1966. 470 C16D
- 13652 BICHUK, YU. P. Morphological properties of the agents of red [*Sorospora uvelia*] and orange [*Massospora cleoni* and *M. bothynoderi*] muscardine, fungal parasites of *Bothynoderes punctiventris*. (Ük) Mikrobiol. Zhur. 27(6): 31-36. Ref. 1965. 448.3 K54
English summary.
- 13653 BRAY, D. F. Variability and restrictions against inbreeding and unequal family size in control populations of *Tribolium*. Genet. Res. 7(1):122-129. Ref. Feb. 1966. 443.8 G283
Tribolium castaneum.
- 13654 BROVDII, V. M. Occurrence, ecology and preimaginal phases of development of *Galeruca tanacetii* L. (Ük) Akad. Nauk Ukr. RSR. Dopovid 4:539-542. Ref. 1966. 511 K54
English summary.
- 13655 BUCK, J., and BUCK, E. Biology of synchronous flashing of fireflies. Nature [London] 211 (5049):562-564. Ref. Aug. 6, 1966. 472 N21
- 13656 CHANSLER, J. F. Cold hardness of two species of Ips beetles. J. Forest. 64(9):622-624. Sept. 1966. 99.8 F768
On Ips confusus infesting Pinus edulis and Ips lecontei infesting Pinus ponderosa.
- 13657 CINOVSIS, J., and JEGINA, K. Activity and dissolution of apical cells of the click-beetles. (La) Latv. PSR Zinat. Akad. Vestis 6:86-93. Ref. 1966. 511 R442
English summary.
- 13658 CRESS, D. C. Observations on the mating habits of *Psamachus elongatus* (Coleoptera: Carabidae). Kans. Entomol. Soc. J. 39(2):231-232. Apr. 1966. 420 K13
- 13659 DAVIS, G. R. F. Replacement of RNA in the diet of *Oryzaephilus surinamensis* L. (Coleoptera: Silvanidae) by purines, pyrimidines, and ribose. Can. J. Zool. 44(5):781-785. Ref. Sept. 1966. 470 C16D
- 13660 DAWSON, P. S. Insect antennal development and the serrate gene in *Tribolium castaneum*. J. Theor. Biol. 12(1):133-139. Ref. Sept. 1966. 442.8 J8223
- 13661 DEGAVOTTO, L. R. Ciclo biologico de *Cyclocephala signaticollis* Burm. (Col. Scarabaeidae) y caracteres específicos de su larva (Life cycle of *Cyclocephala signaticollis* Burm. (Col. Scarabaeidae) and specific characteristics of its larva). Rev. Invest. Agropecuar. Ser. 5, Patol. Veg. 1(10):151-161. 1964. 464.8 R322
English summary.
Includes its importance as plant pest and host range.
- 13662 DUMBADZE, A. I. Contribution to the knowledge of *Oxythrya cinctella* Burm. biology in the eastern Georgia. (Geo) Akad. Nauk Gruz. SSR. Soobshch. 43(3):737-744. Sept. 1966. 511 Ak146
Russian summary.
- 13663 ERDMAN, H. E. Effects of X-rays on metamorphosis and adult life span of flour beetles. Nature [London] 211(5056):1427-1428. Ref. Sept. 24, 1966. 472 N21
Tribolium confusum.
- 13664 GRUM, L. Diurnal activity rhythm of starved Carabidae. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(6):405-411. 1966. 512 W262
- 13665 HEYNEMAN, R. A., and VERCAUTEREN, R. E. Activation of the latent phenoloxidase of *Tenebrio molitor*. Enzymologia 28(2):85-88. Ref. Dec. 31, 1964. 390.08 En9
- 13666 ITO, T., and FRAENKEL, G. The effect of nitrogen starvation on *Tenebrio molitor* L. J. Insect Physiol. 12(7):803-817. Ref. July 1966. 421 J825
- 13667 KASCHEF, A. H. The effects of high temperature on the stored-products beetles, *Stegobium paniceum* L. and *Gibbium psyllodes* Czemp. (Coleoptera: Anobiidae and Ptinidae). Soc. Entomol. Egypte. Bull. 48:269-272. 1964, pub. 1965. 420 Egr
- 13668 LEFKOVITCH, L. P. The effects of adult emigration on populations of *Lasioderma serricorne* (F.) (Coleoptera, Anobiidae). Oikos 15(2):200-210. Ref. 1966. 410 O14
- 13669 LOXTON, R. G. Notes on the biology and feeding of *Apodius plagiatus* (L.) (Coleoptera: Scarabaeidae). Entomologist [London] 99 (1235):91-97. Apr. 1966. 421 En8
- 13670 MAJESKI, Z. Observations of the leaving of winter places by *Blastophagus piniperda* L. (Coleoptera, Scolytidae). (Pol) Sylwan 109(3): 33-36. 1965. 99.8 Sy52
English summary.
Includes *Clerus formicarius* as predator.
- 13671 MARTINEZ, A., and BARRERA, A. Discovery of anophthalmus and apterous *Cryptopagidae*, associated with mammals. (Insecta, Coleoptera). (Sp) Ciencia 25(1):11-16. 1966. 475 Ka4
English summary.
New spp. in *Loberopsyllus* n. g.
- 13672 NAIR, K. S. S., and KARNAVAR, G. K. Distribution of fat body around the air sacs and muscle fibres in the imago of *Oryctes rhinoceros*. Nature [London] 211(5054):1207-1208. Sept. 10, 1966. 472 N21
- 13673 PANT, N. C., and DANG, K. Effect of different carbohydrates on the growth and development of *Tribolium castaneum* Herbst. Indian J. Entomol. 27(4):432-441. Ref. Dec. 1965. 420 In23
- 13674 PITMAN, G. B., RENWICK, J. A. A., and VITE, J. P. Studies on the pheromone of *Ips confusus* (LeConte). IV. Isolation of the attractive substance by gas-liquid chromatography. Boyce Thompson Inst. Contrib. 23(6):243-250. Ref. Apr./June 1966. 451 B69
- 13675 RUHM, W. Host range difficulties of a nematode species [*Micoletskyia araucariae*] associated with bark beetles (Scolytoidea, Coleoptera). (Ge) Z. Parasitenk. 26(3):230-253. Ref. 1965. 442.8 Z33F
- 13676 SCHERF, H. *Fomes fomentarius* and *Cis nitidus*. (Ge) Natur. Mus. 96(3):89-98. Mar. 1966. 509 F866
- 13677 SIERPINSKI, Z. New data concerning the biology of *Phaenops cyanea* F. (Pol) Sylwan 109 (5):65-70. 1965. 99.8 Sy52
English summary.
Wood pests.
- 13678 SILVERSTEIN, R. M., RODIN, J. O., and WOOD, D. L. Sex attractants in frass produced by male *Ips confusus* in ponderosa pine. Science 154(3748):509-510. Oct. 28, 1966. 470 Sc12
- 13679 SZUJECKI, A. Description of the first larva of *Staphylinus* (*Platydacus*) *stercorarius* Ol. (Coleoptera, Staphylinidae) and notes on the biology of this species. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(4):241-245. 1966. 512 W262
- 13680 SZUJECKI, A. Notes on the appearance and biology of eggs of several *Staphylinidae* (Coleoptera) species. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(3):169-175. 1966. 512 W262
- 13681 SZUJECKI, A. Notes on the morphology of larvae of *Ocypus similis* semialatus (J. Mull.) (Coleoptera, Staphylinidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(3):177-180. 1966. 512 W262
- 13682 TAKENOUCHI, Y. Tetraploid and pentaploid races of the Japanese parthenogenetic weevil, *Catapionus gracilicornis* Roelofs (Curculionidae, Coleoptera). Annot. Zool. Jap. 39(1):47-54, map. Ref. Mar. 1966. 410 An79
- 13683 TRAVIS, J., and MCELROY, W. D. Isolation and sequence of an essential sulphydryl peptide at the active site of firefly [*Lampyridae*] luciferase. Biochemistry 5(7):2170-2176. Ref. July 1966. 381 B523
- 13684 WELLSO, S. G. Sexual attraction and biology of *Xenorhipis brendeli* (Coleoptera: Buprestidae). Kans. Entomol. Soc. J. 39(2):242-245. Apr. 1966. 420 K13

- 13685 WILLSON, R. B. Interference of the snail *Physa sayii* with equilibrium in *Tropisternus glaber* (Coleoptera; Hydrophilidae). *Mich. Entomol.* 1(1):12. July 1966. Q1461.M5
- 13686 WYLIE, W. D. Plum curculio [*Conotrachelus nenuphar*] nonfruit hosts and survival (Coleoptera: Curculionidae). *Kans. Entomol. Soc. J.* 39(2):218-222. Apr. 1966. 420 K13
- 13687 ZOCH, E. Comparative paper chromatographic research on the enzymatic degradation of carbohydrates by the larvae of *Bostrychus typographus* and *Pieris brassicae*. (Ge) *Enzymologia* 28(3):129-138. Ref. Feb. 15, 1965. 390.08 En9
English summary.
- 13688 ZWOLINSKA-SNIATALOWA, Z., and KRZYMANSKA, J. The influence of some vitamins on the physiology of Colorado potato beetle (*Leptinotarsa decemlineata* Say); final report of research conducted under grants authorized by Public Law 480 for the United States Department of Agriculture. *Poznan, Institute of Plant Protection, 1965. 173 p. QL597.Z9*
- Diptera**
- 13689 BARLOW, J. S. Effects of diet on the composition of body fat in *Musca domestica* L. *Can. J. Zool.* 44(5):775-779. Ref. Sept. 1966. 470 C16D
- 13690 BURKHARD, R. K., and KLAASSEN, D. H. A comparative study of the amino acid composition of insoluble mitochondrial proteins. *Compar. Biochem. Physiol.* 18(1):231-235. Ref. May 1966. 444.8 C73
Includes *Musca domestica*.
- 13691 CANTWELL, G. E., SHORTINO, T. J., and ROBBINS, W. E. The histopathological effects of certain carcinogenic 2-fluorenamine derivatives on larvae of the house fly. *J. Invertebrate Pathol.* 8(2):167-174. Ref. June 1966. 421 J826
- 13692 CARNEY, G. C. The effects of different isolation media on the respiration and morphology of housefly sarcosomes. *J. Insect Physiol.* 12(9):1093-1103. Ref. Sept. 1966. 421 J825
Includes effect of sucrose.
- 13693 CHILDRESS, C. C., and SACKTOR, B. Pyruvate oxidation and the permeability of mitochondria from blowfly flight muscle. *Science* 154(3746):268-270. Ref. Oct. 14, 1966. 470 Sci2
- 13694 CROUSE, H. V. An inducible change in state on the chromosomes of *Sciara*: its effect on the genetic components of the X. *Chromosoma* 18(2):230-253. 1966. 442.8 C46
- 13695 GELPERIN, A. Investigations of a foregut receptor essential to taste threshold regulation in the blowfly. *J. Insect Physiol.* 12(7):829-841. Ref. July 1966. 421 J825
Phormia regina.
- 13696 GLUKHOVA, V. M. The gonotrophic cycle in biting midges of the genus *Culicoides* (Diptera, Heleidae) in the Karelian ASSR. 24 p. Ref. (TT 63-23617) Transl. 15273
Translation from *Akademiyu Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik* 18:239-254. 1958.
Issued by CFSTI.
- 13697 GORNOSTAEVA, R. M. Gonotrophic cycle of biting midges *Lasihelea sibirica* Bujan. (Diptera, Heleidae). (Rus) *Entomol. Obozrenie* 44(4):770-784. Ref. 1966. 421 R322
- 13698 HINTON, H. E. The spiracular gill of the fly *Eutanyderus* (Tanyderidae). *Australian J. Zool.* 14(3):365-369. Ref. Sept. 1966. 410 Au73
- 13699 KARCZEWSKI, J. The contribution to knowledge of puparia of flies from the family Tachinidae, Diptera, which hibernates under a litter in pine stands. (Pol) *Sylvan* 109(6):37-46. 1965. 99.8 Sy52
English summary.
- 13700 KIM, K. C., and COOK, E. F. A comparative external morphology of adult *Sphaeroceridae* (Diptera). *Entomol. Soc. Amer. Misc. Publ.* 5(2):77-100. Ref. June 1966. 420 En82M
- 13701 KRACZKIEWICZ, Z. Early stages of the oogenesis of *Rhabdophaga saliciperda* (Cecidomyiidae, Diptera). (Fr) *Chromosoma* 18(2):208-229. 1966. 442.8 C46
English summary.
- 13702 KRYSAN, J. L., and CHADWICK, L. E. The molecular weight of cholinesterase from the house fly, *Musca domestica* L. *J. Insect Physiol.* 12(7):781-787. Ref. July 1966. 421 J825
- 13703 LIMA-DE-FARIA, A., and MOSES, M. J. Ultrastructure and cytochemistry of metabolic DNA in *Tipula*. *J. Cell Biol.* 30(1):177-192. Ref. July 1966. 442.8 J828
Tipula oleracea.
- 13704 LINLEY, J. R. Field and laboratory observations on the behavior of the immature stages of *Culicoides furens* Poey (Diptera: Ceratopogonidae). *J. Med. Entomol.* 2(4):385-391. Ref. Jan. 1966. 421 J828
- 13705 MAMAEV, B. M. Oligomerization of tarsal segments in paedogenetic gall-midges (Diptera, Cecidomyiidae). (Rus) *Zool. Zhurn.* 45(6):942-944. 1966. 410 R92
English summary.
- 13706 MEHENDALE, H. M., DAUTERMAN, W. C., and HODGSON, E. Phosphatidyl carnitine: a possible intermediate in the biosynthesis of phosphatidyl beta-methylcholine in *Phormia regina* (Meigen). *Nature [London]* 211(5050):759-761. Ref. Aug. 13, 1966. 472 N21
- 13707 OVAZZA, M., COZ, J., and OVAZZA, L. Study of *Simulium damnosum* Theobald, 1903 populations (Diptera, Simuliidae) in zones of non permanent breeding places. (Fr) *Soc. Pathol. Exot. Bull.* 58(5):938-990. Ref. Sept./Oct. 1965. 448.9 Sol3
In Sudan.
- 13708 PAINTER, T. S. The role of the E-chromosomes in *Cecidomyiidae*. *Nat. Acad. Sci. Proc.* 56(3):853-855. Ref. Sept. 15, 1966. 500 N21P
In *Miastor*.
- 13709 PRICE, G. M., and BOSMAN, T. The electrophoretic separation of proteins isolated from the larva of the blowfly, *Calliphora erythrocephala*. *J. Insect Physiol.* 12(7):741-745. July 1966. 421 J825
- 13710 PRICE, G. M. The in vitro incorporation of [¹⁴C] valine into fat body protein of the larva of the blowfly, *Calliphora erythrocephala*. *J. Insect Physiol.* 12(7):731-740. Ref. July 1966. 421 J825
- 13711 ROTHFELS, K., and FREEMAN, M. The salivary gland chromosomes of three North American species of *Twinnia* (Diptera; Simuliidae). *Can. J. Zool.* 44(5):937-945. Sept. 1966. 470 C16D
Twinnia tibblesi, *T. nova* and *T. biclavata*.
- 13712 RUBTSOV, I. A. A new parasitic species from among gnats, and errors in the instinct of the host. (Rus) *Akad. Nauk SSSR. Dokl.* 169(5):1236-1238. 1966. 511 P444A
Mesomermis brevis on *Prosimulium* isos identified before as *P. hirtipes* Fries.
- 13713 RUSSO-CAIA, N. DI S. Latest autoradiographic observations on the incorporation of labelled precursors of nucleic acids and proteins into the fat bodies of *Musca domestica* L. (It) *Rome. Accad. Naz. Lincei. Atti. Rendic.* 37(6):518-520. Dec. 1964. 507 R66
Tritium as tracer.
- 13714 SABROSKY, C. W. Opposition to the proposed designation of a type-species for *Phasia Latreille*. *Z.N.(S.)* 1706. *Bull. Zool. Nomencl.* 23(1):9-11. Apr. 29, 1966. 410 S874
- 13715 SEKERIS, C. E., and LANG, N. Protein biosynthesis in insects: the in vitro building-in of amino acids in protein through fractions from the epidermal cells of the blowfly *Calliphora erythrocephala*. (Ge) *Hoppe-Seyler's Z. Physiol. Chem.* 342(1/3):161-165. 1965. 384 Z38
- 13716 SHCHERBAKOV, E. S. On nucleolar polymorphism in the natural population of *Odagmia ornata*. (Rus) *Tsitologiya* 8(4):510-513. Ref. July/Aug. 1966. 442.8 T78
English summary.
- 13717 TAKAHASHI, F., and PIMENTEL, D. pH changes in various housefly media. *Can. Entomol.* 98(6):633-635. June 1966. 421 C16

- 13719 TAUBER, M. J., and TAUBER, C. A. Behavior and cyclic activity associated with pupation of *Phytomyza lanati* Spencer (Diptera; Agromyzidae). *Can. J. Zool.* 44(5):793-798. Sept. 1966. 470 C16D
Pest of *Heracleum lanatum*.
- 13719 VENKATRAMAN, T. V., and EL TAHIR, EL T. A gall forming trypetid (Diptera) from the Sudan. *Entomologist [London]* 99(1235):89-90. Apr. 1966. 421 En8
Life history of a *Dacus* sp. on *Asclepias curassavica*.
- 13720 WEBB, D. W. Limnological features of Cedar Lake, Manitoba. *Can. Fish. Res. Board. J.* 22(5):1123-1136, map. Ref. Sept. 1965. 442.9 C16J
Includes Chironomidae and mayflies.
- 13721 XEROS, N. The chromosomes and virogenic stroma in the nucleopolydrosis of *Tipula paludosa*. *J. Invertebrate Pathol.* 8(2):240-249. Ref. June 1966. 421 J826
- Culicidae**
- 13722 BRUST, R. A. Gynandromorphs and intersexes in mosquitoes (Diptera; Culicidae). *Can. J. Zool.* 44(5):911-921. Ref. Sept. 1966. 470 C16D
Aedes spp.
- 13723 GOODING, R. H. Physiological aspects of digestion of the blood meal by *Aedes aegypti* (Linnaeus) and *Culex fatigans* Wiedemann. *J. Med. Entomol.* 3(1):53-60. Ref. Apr. 1966. 421 J828
- 13724 HOPLA, C. E. The feeding habits of Alaskan mosquitoes. *Brooklyn Entomol. Soc. Bull. (n.s.)* 59/60:88-127. 1964/65, distributed 1966. 420 B79
Bibliography, p.115-120.
- 13725 JONES, M. D. R., FORD, M. G., and GILLETT, J. D. Light-on and light-off effects on the circadian flight activity in the mosquito *Anopheles gambiae*. *Nature [London]* 211(5051):871-872. Aug. 20, 1966. 472 N21
- 13726 LUCZAK, J., and DĄBROWSKA-PROT, E. Experimental studies on the reduction of the abundance of mosquitoes by spiders. I. Intensity of spider predation on mosquitoes. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):315-320. 1966. 512 W262
- 13727 MIMS, C. A., DAY, M. F., and MARSHALL, I. D. Cytopathic effect of Semliki Forest virus in the mosquito *Aedes aegypti*. *Amer. J. Trop. Med. Hyg.* 15(5):775-784. Ref. Sept. 1966. 448.8 Am326
- 13723 RIORDAN, D. F. Effects of high-intensity light flashes on mortality and reproduction of *Aedes aegypti* L. (Diptera; Culicidae). *Can. J. Zool.* 44(5):895-902. Sept. 1966. 470 C16D
- 13729 RIOUX, J. A., and others. Autogenous character of *Culex pipiens pipiens* L. in an epigeal biotope on Diarba Island. (Fr) *Inst. Pasteur Tunis. Arch.* 42(1):1-8. Ref. Mar. 1965. 448.3 In72
B. Juminer, M. Kchouk, and H. Croset, joint authors.
- 13730 SALAMA, H. S. The function of mosquito taste receptors. *J. Insect Physiol.* 12(9):1051-1060. Ref. Sept. 1966. 421 J825
Aedes aegypti.
- Drosophila**
- 13731 ANDERSON, W. W. Genetic divergence in M. Vavilov's experimental populations of *Drosophila pseudoobscura*. 3. Divergence in body size. *Genet. Res.* 7(2):255-266. Ref. Apr. 1966. 443.8 G283
Through the effect of temperature.
- 13732 AYALA, F. J. Evolution of fitness. I. Improvement in the productivity and size of irradiated populations of *Drosophila serrata* and *Drosophila birchii*. *Genetics* 53(3):883-895. Ref. May 1966. 442.8 G28
X-rays.
- 13733 CHURCH, R. B., and ROBERTSON, F. W. Biochemical analysis of genetic differences in the growth of *Drosophila*. *Genet. Res.* 7(3):383-407. Ref. June 1966. 443.8 G283
Drosophila melanogaster.
- 13734 CHURCH, R. B., and ROBERTSON, F. W. A biochemical study of the growth of *Drosophila melanogaster*. *J. Exp. Zool.* 162(3):337-361. Ref. Aug. 1966. 410 J825
- 13735 DAVID, J., and MERLE, J. Influence of fertilization of the female *Drosophila* on its physiology. (Fr) *Ann. Nutr. Aliment.* 20(4):332-338. 1966. 389.8 An73
- 13736 DAVID, J., and CLAVEL, M. F. Physiological role of folic acid in *Drosophila* studied by means of a specific antagonist. (Fr) *Ann. Nutr. Aliment.* 20(4):339-347. 1966. 389.8 An73
Includes discussion.
- 13737 DUKE, E. J. Further studies on the inheritance of lymph proteins in *Drosophila melanogaster*. *Genet. Res.* 7(3):287-294. Ref. June 1966. 443.8 G283
By electrophoresis.
- 13738 FOURCHE, J. Respiratory metabolism in the course of development of *Drosophila melanogaster*. (Fr) *Ann. Nutr. Aliment.* 20(4):383-388. 1966. 389.8 An73
Includes discussion.
- 13739 FOX, A. S., and YOON, S. B. Specific genetic effects of DNA in *Drosophila melanogaster*. *Genetics* 53(5):897-911. Ref. May 1966. 442.8 G28
- 13740 FRASER, A. S. Variation of scutellar bristles in *Drosophila*. XII. Selection in scute lines. *Australian J. Biol. Sci.* 19(1):147-154. Feb. 1966. 442.8 Au72
- 13741 GEIGER, H. R., and MITCHELL, H. K. Salivary gland function in phenol oxidase production in *Drosophila melanogaster*. *J. Insect Physiol.* 12(7):747-754. July 1966. 421 J825
- 13742 GOTZ, K. G. Behavior analysis of the visual system of the *Drosophila*. (Ge) *Max-Planck-Ges. Forderung Wiss. Mitt.* 6:346-365. Ref. 1965. 509 G712M
- 13743 HADORN, E. Constancy, variation and type of determination and differentiation in cells of the male genital apparatus of *Drosophila melanogaster* in continuous culture. *In vivo*. (Ge) *Develop. Biol.* 13(3):424-509. Ref. June 1966. 442.8 D49
- 13744 JOHNSTON, N. V. The pattern of abdominal microchaetae in *Drosophila [melanogaster]*. *Australian J. Biol. Sci.* 19(1):155-166. Ref. Feb. 1966. 442.8 Au72
- 13745 LEE, W. R., and others. Stability of *Drosophila [melanogaster]* chromosomes to radioactive decay of incorporated phosphorus-32. *Genetics* 53(5):809-822. Ref. May 1966. 442.8 G28
C. K. Oden, C. A. Bart, C. W. Debney, and R. F. Martin, joint authors.
- 13746 MAMPELL, K. A mode of differentiation based on genes of variable expression. *Genetica* 36(4):362-377. 1965. 442.8 G282
Drosophila.
- 13747 MANNING, A. Corpus allatum and sexual receptivity in female *Drosophila melanogaster*. *Nature [London]* 211(5055):1321-1322. Sept. 17, 1966. 472 N21
- 13748 MILKMAN, R. D. The genetic basis of natural variation. VIII. Synthesis of cve polygenic combinations from laboratory strains of *Drosophila melanogaster*. *Genetics* 53(5):863-874. Ref. May 1966. 442.8 G28
- 13749 MITCHELL, H. K. Phenol oxidases and *Drosophila* development. *J. Insect Physiol.* 12(7):755-765. Ref. July 1966. 421 J825
Drosophila melanogaster.
- 13750 NARDA, R. D. Genetical relationship and isolating mechanisms in the ananassae species subgroup (Sophophora, *Drosophila*). II. Reproductive isolating mechanisms and relationship among *D. ananassae*, *D. bipunctata* and *D. malerkotliana*. *Panjab Univ. Res. Bull. (n.s.)* 16(4):347-359. Ref. Dec. 1965. 513 Ea72

- 13751 NARDA, R. D. The role of odour in the sexual isolation between two members of the ananasae species subgroup (Sophophora, Drosophila). Panjab Univ. Res. Bull. (n.s.) 16(4):343-345. Dec. 1965. 513 Ea72
Sex attractants effects on *Drosophila melanogaster* and *D. bipunctata*.
- 13752 PITTEDRIGH, C. S. The circadian oscillation in *Drosophila pseudoobscura* pupae; a model for the photoperiodic clock. Z. Pflanzenphysiol. 54(4):275-307. Ref. Mar. 1966. 450 Z32
- 13753 PREVOSTI, A. Chromosomal polymorphism in western Mediterranean populations of *Drosophila subobscura*. Genet. Res. 7(2):149-158. Ref. Apr. 1966. 443.8 G283
- 13754 RITOSSA, F. M., and ATWOOD, K. C. Unequal proportions of DNA complementary to ribosomal RNA in males and females of *Drosophila simulans*. Nat. Acad. Sci. Proc. 56(2):496-499. Ref. Aug. 15, 1966. 500 N21P
- 13755 SPERLICH, D. Equilibria for inversions induced by X-rays in isogenic strains of *Drosophila pseudoobscura*. Genetics 53(5):835-842. Ref. May 1966. 442.8 G28
- 13756 SPICKETT, S. G., and THODAY, J. M. Regular responses to selection. 3. Interaction between located polygenes. Genet. Res. 7(1):96-121. Ref. Feb. 1966. 443.8 G283
Drosophila melanogaster.
- 13757 THOMAS, R. E., and ROBERTS, P. A. Comparative frequency of X-ray induced crossover-suppressing aberrations recovered from oocytes and sperm of *Drosophila melanogaster*. Genetics 53(5):855-862. Ref. May 1966. 442.8 G28
- 13758 WADDINGTON, C. H., and ROBERTSON, E. Selection for developmental canalisation. Genet. Res. 7(3):303-312. Ref. June 1966. 443.8 G283
Drosophila melanogaster.
- 13759 YOUNG, S. S. Y., and LEWONTIN, R. C. Differences in bristle-making abilities in scute and wild-type *Drosophila melanogaster*. Genet. Res. 7(3):295-301. Ref. June 1966. 443.8 G283
- 13760 YULE, W. N., PARPUS, E. V., and HOFMANN, I. Toxicology of plant-translocated maleic hydrazide; lack of effects on insect reproduction. J. Agr. Food Chem. 14(4):407-409. Ref. July/Aug. 1966. 381 J8223
Feeding tests on *Drosophila melanogaster* and *Musca domestica*.
- Hemiptera (Heteroptera and Homoptera)
- 13761 ANNECKE, D. P. Biological studies on the immature stages of soft brown scale, *Coccus hesperidum* Linnaeus (Homoptera; Coccidae). S. Afr. J. Agr. Sci. 9(1):205-227. Ref. Mar. 1966. 24 Su3
- 13762 BEARDS, G. W., and STRONG, F. E. Photo-period in relation to diapause in *Lygus hesperus* Knight. Hilgardia 37(10):345-362. Ref. Mar. 1966. 100 C12H
- 13763 BENNET-CLARK, H. C. Abdominal stretch and inhibition of moulting in *Rhodnius prolixus* (Hemiptera). J. Insect Physiol. 12(9):1019-1028. Ref. Sept. 1966. 421 J825
- 13764 CHAN, A. W. K., CROW, W. D. Chemical constituents of *Eriococcus confusus* Maskell. Australian J. Chem. 19(9):1701-1708. Sept. 1966. 475 Au73
- 13765 CHELLIAH, S., and BASHEER, M. Biological studies of *Peregrinus maidis* (Ashmead) (Araopidae: Homoptera) on sorghum. Indian J. Entomol. 27(4):466-471. Dec. 1965. 420 In23
- 13766 COLES, G. C. Studies on the hormonal control of metabolism in *Rhodnius prolixus* Stal. II. The fifth-stage insect. J. Insect Physiol. 12(9):1029-1037. Ref. Sept. 1966. 421 J825
- 13767 CUMBER, R. A. Factors influencing population levels of *Scolytopa australis* Walker (Hemiptera-Homoptera, Ricaniidae) in New Zealand. New Zeal. J. Sci. 9(2):336-356. May. June 1966. 514 N482
- 13768 EDWARDS, J. S. Defence by smear: supercooling in the cornicle wax of aphids. Nature [London] 211(5044):73-74. July 2, 1966. 472 N21
- 13769 EWEN, A. B. Endocrine dysfunctions in *Adelphocoris lineolatus* Goetz (Hemiptera; Miridae) caused by a fungus (*Entomophthora* sp.). Can. J. Zool. 44(5):873-877. Ref. Sept. 1966. 470 C16D
Entomophthora grylli.
- 13770 JASIC, J. Some results of the ecologic study of *Perillus bioculatus* Fabr. (Heteroptera, Pentatomidae). (Cz) Entomol. Probl. 6:5-35. Ref. 1966. QL461.E5
English summary.
- 13771 KAREEM, A. A., and BASHEER, M. Correlation studies on the effects of weather factors on the possible dispersal of aphids. Indian J. Entomol. 27(4):455-459. Ref. Dec. 1965. 420 In23
- 13772 KHALIFA, A., and EL-DIN, N. S. Biological and ecological study on *Aphis gossypii* Glover (Hemiptera: Aphididae). Soc. Entomol. Egypte. Bull. 48:131-153. Ref. 1964, pub. 1965. 420 Eg9
- 13773 KHALIFA, A., and EL-KHIDR, E. Biological study on *Trialeurodes lubia* and *Bemisia tabaci* (Aleyrodidae). Soc. Entomol. Egypte. Bull. 48:115-129. Ref. 1964, pub. 1965. 420 Eg9
- 13774 KHANNA, S. Development of male genitalia in *Dysdercus koenigii* (F.) (Hemiptera: Pyrrhocoridae). Indian J. Entomol. 27(4):490-491. Dec. 1965. 420 In23
- 13775 LIPA, J. J. Miscellaneous observations on protozoan infections of *Nepa cinerea* Linnaeus including descriptions of two previously unknown species of Microsporidia, *Nosema bialovestiana* sp. n. and *Thelohania nepae* sp. n. J. Invertebrate Pathol. 8(2):158-166. Ref. June 1966. 421 J826
- 13776 LIPA, J. J. *Nosema leptocoris* sp. n., microsporidian parasite of *Leptocoris trivittatus* (Say) (Hemiptera). J. Invertebrate Pathol. 8(2):250-251. June 1966. 421 J826
- 13777 MOREAU, J. P. Biting behavior of certain sapsucking Homoptera, Jassidae, and Aphididae. (Fr) Ann. Nutr. Aliment. 20(4):325-332. Ref. 1966. 389.8 An73
Includes discussion.
- 13778 POLIVANOVA, E. N. Relation between the size of eggs of Eurygaster integriceps Put. and their drought-resistance at various temperatures. (Rus) Akad. Nauk SSSR. Dokl. 170(1):195-197. 1966. 511 P444A
- 13779 PUCHKOVA, L. V. Morphology and biology of the egg of terrestrial bugs (Hemiptera). (Rus) Vses. Entomol. Obshch. Tr. 51:75-132. Ref. 1966. 420 R92
- 13780 SCHAEFERS, G. A. How aphids feed. Farm Res. [N. Y. Sta.] 32(1):8-9. Apr./June 1966. 100 N48A
- 13781 SCHENKE, G. The speed of swimming, frequency of kicking and steering of *Corixa punctata* Illig. (Ge) Zool. Anz. 176(1):5-12. Jan. 1966. 410 Z7
- 13782 SEXTON, O. J., HOGGER, C., and ORTLEB, E. Anolis carolinensis: effects of feeding on reaction to aposematic prey. Science 153(3740):1140. Sept. 2, 1966. 470 Sc12
Oncopeltus fasciatus and *Photinus pyralis* as prey.
- 13783 SHARMA, M. L. Contribution à l'étude de *Longiunguis donacis* (Pass.) (Aphididae-Homoptera) et des fluctuations de ses populations en Provence maritime [Contribution to the study of *Longiunguis donacis* (Pass.) (Aphididae-Homoptera) and its population fluctuations in coastal Provence]. Paris, Institut National de la Recherche Agronomique, 1965. 121 p., map. Ref. QL523.A655
English summary.
These—Paris
Includes life history on its host plant *Arundo donax*.
- 13784 TERANDO, M. L., and FEIR, D. Protein concentration in the hemolymph of the large milkweed bug, *Oncopeltus fasciatus* (Dallas). Compar. Biochem. Physiol. 18(1):163-168. May 1966. 444.8 C73

- 13785 TEREZNYKOVA, YE. M. Phenological observations on Coccoidea (Insecta, Homoptera) of the Ukrainian Polesye. (Uk) Akad. Nauk Ukr. RSR, Dopovidy 4:542-545, 1966. 511 K54 English summary.
- 13786 TEREZNYKOVA, YE. M. Food plants of Coccoidea (Insecta, Homoptera) of Ukrainian Polesye. (Uk) Akad. Nauk Ukr. RSR, Dopovidy 7: 961-965, 1966. 511 K54 English summary.
- 13787 WAGHRAY, R. N., and SINGH, S. R. Effect of N, P and K on the fecundity of groundnut aphid, *Aphis craccivora* Koch. Indian J. Entomol. 27 (3):331-334, Ref. Sept.1965. 420 In23 Excerpt from thesis. Nitrogen, phosphorus and potassium.
- 13788 WAGNER, E. The genus *Compisdolon* Reuter, 1899 (Heteroptera, Miridae). (Ge) Notulae Entomol. 45(4):113-137. Ref. 1965. 421 N84 Includes *Compisdolon* (*Apsinthophylus*) n. sgen. and n. spp. in *Compisdolon* (*Chamaepsallus*) n. sgen.
- Hymenoptera
- (SEE ALSO APICULTURE AND APIS MELLIFERA)
- 13789 ASKEW, R. R. Observations on the British species of *Megastigmus* Dalman (Hym., Torymidae) which inhabit cynipid oak galls, Entomologist [London] 99(1236):124-128, Ref. May 1966. 421 En8 *Megastigmus dorsalis* and *M. stigmatizans*.
- 13790 AVASTHY, P. N., and CHAUDHARY, J. P. Studies on *Parasierola* sp. [Bethylidae] a parasite of army worm [*Pseudaletia unipuncta*]. Indian J. Entomol. 27(4):414-422, Ref. Dec. 1965. 420 In23
- 13791 BARONI-URBANI, C. Some observations on the nomadism of *Aphaenogaster picens* Baroni, with special regard to the orientation (Hymenoptera, Formicidae). (It) Insectes Sociaux 13(2):69-86, Ref. June 1966. 421 In79 English summary.
- 13792 BATRA, S. W. T. Nesting behavior of *Halictus scabiosae* in Switzerland (Hymenoptera, Halictidae). Insectes Sociaux 13(2):87-92, June 1966. 421 In79
- 13793 BOBB, M. L. The biology of *Mastrus argeae* (Viereck) (Hymenoptera: Ichneumonidae), a parasite of pine sawfly (*Neodiprion pratti* pratii) prepupae. Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:53-62. 1964/65, distributed 1966. 420 B79
- 13794 BRIAN, M. V. Studies on caste differentiation in *Myrmica rubra* L. I. Larval developmental sequences. Insectes Sociaux 12(4):347-362, Dec. 1965. 421 In79
- 13795 BROODRYK, S. W., and DOUTT, R. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). II. The biology of *Coccophagoides utilis* Doutt (Hymenoptera: Aphelinidae). Hilgardia 37(9):233-254. Mar. 1966. 100 C12H
- 13796 BUCHER, G. E., and BRACKEN, G. K. Fungus disease of adult parasitic insects [*Exeristes comstockii*] caused by *Torula nigra* (Marpmann). J. Invertebrate Pathol. 8(2):193-204. Ref. June 1966. 421 J826
- 13797 COURET, P. Observations on Venezuelan myrmecophytes. (Sp) Soc. Cienc. Natur. La Salle. Mem. 26(73):5-40. (Cont.) Jan./Apr. 1966. 516 C173 Melastomaceae, Caesalpinaceae and Boraginaceae.
- 13798 COYLE, F. A. Defensive behavior and associated morphological features in three species of the ant genus *Paracryptocercus*. Insectes Sociaux 13(2):93-104, June 1966. 421 In79 *Paracryptocercus umbraculatus*, *P. multispinosus* biguttatus and *P. multispinus*.
- 13799 EVANS, H. E., and KURCZEWSKI, F. E. Observations on the nesting behavior of some species of Tachytes (Hymenoptera: Sphecidae, Larinae). Kans. Entomol. Soc. J. 39(2):323-332. Ref. Apr. 1966. 420 K13
- 13800 FINNEY, G. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). V. The culture of *Coccophagoides utilis* Doutt, a parasite of *Parlatoria oleae* (Colvee). Hilgardia 37(9):337-343. Mar. 1966. 100 C12H
- 13801 HAPP, G. M., and MEINWALD, J. Biosynthesis of monoterpenes in an ant (*Acantomys claviger*). Advances Chem. Ser. 53:27-33. Ref. 1966. 381 Ad93
- 13802 HELLEN, W. Tenthredinoidea (Hymenoptera) from Andorra. (Ge) Notulae Entomol. 45(4): 155-156. 1965. 421 N84
- 13803 ISHAY, J., and SCHWARZ, J. On the nature of the sounds produced within the nest of the oriental hornet, *Vespa orientalis* F. Insectes Sociaux 12(4):383-387, Dec. 1965. 421 In79
- 13804 JACKSON, D. J. Observations on the biology of *Caraphractus cinctus* Walker (Hymenoptera: Mymaridae), a parasitoid of the eggs of *Dytiscidae* (Coleoptera). III. The adult life and sex ratio. Roy. Entomol. Soc. London. Trans. 118(2):23-49. Ref. June 17, 1966. 420 L84
- 13805 KUNDU, G. G., and others. New record of *Diaeretiella rapae* (Curtis) as a parasite of mustard aphid, *Lipaphis erysimi* (Kalt.) (Hymenoptera: Aphididae). Indian J. Entomol. 27(4): 497-498. Dec. 1965. 420 In23 V. K. Sharma, R. K. Anand, and S. Rai, joint authors.
- 13806 KURCZEWSKI, F. E. *Tachysphex terminatus* preying on *Tettigoniidae*—an unusual record (Hymenoptera: Sphecidae, Larinae). Kans. Entomol. Soc. J. 39(2):317-322. Ref. Apr. 1966. 420 K13
- 13807 LEVIEUX, J. Preliminary notes on the hunting columns of *Megaponera foetens* F. (Hymenoptera, Formicidae). (Fr) Insectes Sociaux 13 (2):117-216. June 1966. 421 In79 English summary. As predators of termites.
- 13808 LIN, N. The use of emergence holes of the cicada killer [*Sphecius speciosus*] as nest burrows by *Tachytes* [elongatus] (Hymenoptera: Sphecidae). Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:82-84. 1964/65, distributed 1966. 420 B79
- 13809 LIN, N. The use of sand grains by the pavement ant *Tetramorium caespitum* while attacking halictine bees [*Lasioglossum zephyrum*]. Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:30-34. 1964/65, distributed 1966. 420 B79
- 13810 MEHRA, B. P. Host-relationship of genus *Anastatus* Motschulsky (Eupelmidae) and its Indian species. Indian J. Entomol. 27(3):369-373. Ref. Sept. 1965. 420 In23
- 13811 MICHENER, C. D. The bionomics of a primitively social bee, *Lasioglossum versatum* (Hymenoptera: Halictidae). Kans. Entomol. Soc. J. 39(2):193-217. Ref. Apr. 1966. 420 K13
- 13812 MICHENER, C. D. Evidence of cooperative provisioning of cells in *Exomalopsis* [solani] (Hymenoptera: Anthophoridae). Kans. Entomol. Soc. J. 39(2):315-317. Apr. 1966. 420 K13
- 13813 MICHENER, C. D., KERFOOT, W. B., and RAMIREZ, B. W. Nests of *Neocorynura* in Costa Rica (Hymenoptera, Halictidae). Kans. Entomol. Soc. J. 39(2):245-256. Apr. 1966. 420 K13 Chiefly *Neocorynura fumipennis*.
- 13814 OESER, R. The presence of an abdominal joint with mechanoreceptors in aculeate Hymenoptera. (Ge) Naturwissenschaften 53(8):208. Apr. 1966. 474 N213
- 13815 OLBERG, G. Care for its brood and behavior in colonies of *Sphex maxillosus*. (Ge) Natur Mus. 96(1):1-8. Jan. 1966. 509 F856 Includes nests.
- 13816 ORDWAY, E. The bionomics of *Augochlorella striata* and *A. persimilis* in eastern Kansas (Hymenoptera: Halictidae). Kans. Entomol. Soc. J. 39(2):270-313. Ref. Apr. 1966. 420 K13 Life histories.
- 13817 ORDWAY, E. Caste differentiation in *Augochlorella* (Hymenoptera, Halictidae). Insectes Sociaux 12(4):291-308. Ref. Dec. 1965. 421 In79 *Augochlorella striata* and *A. persimilis*.

- 13818 PAGDEN, H. T. Raids by *Vespa tropica*. Malay. Natur. J. 19(4):238-239. Dec.1965. 409.6 M29
On *Parischnogaster mellyi*.
- 13819 PATEL, R. K., and GANGRADE, G. A. New hosts of *Bracon hebetor* Say (Braconidae: Hymenoptera). Indian J. Entomol. 27(3):365-366. Sept.1965. 420 In23
- 13820 SALT, R. W. Relation between time of freezing and temperature in supercooled larvae of *Cephus cinctus* Nort. Can. J. Zool. 44(5):947-952. Sept.1966. 470 C16D
- 13821 SANWALD, R. Mixed colonies of ants on Long Island, N. Y. Brooklyn Entomol. Soc. Bull. (n.s.)59/60:81. 1964/65, distributed 1966. 420 B79
Lasius neoniger and *Acanthomyops murphyi*.
- 13822 SHENEFELT, R. D. A contribution towards knowledge of the world literature regarding Braconidae (Hymenoptera: Braconidae). (Ge) Beitr. Entomol. 15(3/4):243-500. Oct.1965. 421 B392
English summary.
- 13823 SOULIE, J., and DICKO, L. D. Monogyny of certain colonies of ants of the *Crematogaster* tribe (Hymenoptera, Formicoidea, Myrmecidae). III. (Fr) Insectes Sociaux 13(2):139-144. June 1966. 421 In79
English summary.
- 13824 STOCKHAMMER, K. A. Nesting habits and life cycle of a sweat bee, *Augochlora pura* (Hymenoptera: Halictidae). Kans. Entomol. Soc. J. 39(2):157-192. Ref. Apr.1966. 420 K13
- 13825 SUGONYAEV, E. S. Specialization of chalcidoid parasites (Hymenoptera, Chalcidoidea) inhabiting Lecanidae (Homoptera, Coccoidea), and its practical importance. (Rus) Zool. Zhur. 45(6):865-874. Ref. 1966. 410 R92
English summary.
- 13826 SZEKESY, V. Fly larvae in *Andrena* adults. (Ge) Deut. Entomol. Ges. Mitt. 24(4):72-73. Oct.31,1965. 420 D482
Sphinxapata in *Andrena* ovata.
- 13827 WARD, P. A raid on a *Stenogaster* nest by a hornet *Vespa tropica*. Malay. Natur. J. 19(2/3):152. Sept.1965. 409.6 M29
- 13828 WOLF, H. Aid to observation and trapping sand wasps and bees. (Ge) Deut. Entomol. Ges. Mitt. 24(4):66-67. Oct.31,1965. 420 D482
- Lepidoptera
- (SEE ALSO SERICULTURE AND THE SILKWORM)
- 13829 ADKISSON, P. L. Internal clocks and insects diapause. Science 154(3746):234-241. Ref. Oct.14,1966. 476 Sci2
In *Pectinophora gossypiella*.
- 13830 AZAM, K. M., and ALI, M. H. Morphology of larva of *Dichocrocis punctiferalis* Guen., the castor shoot and capsule borer with special reference to its chaetotaxy (Lepidoptera: Pyralidae). Indian J. Entomol. 27(4):428-431. Dec. 1965. 420 In23
- 13831 BEN-SHAKED, Y., and HARPAZ, J. Protection of a susceptible insect host against a nuclear-polyhedrosis virus by ether extracts from insect larvae. J. Invertebrate Pathol. 8(2):283-285. June 1966. 421 J826
Prodenia litura and *Tenebrio molitor*.
- 13832 CROW, P. N. An early butterfly. Entomologist [London] 99(1235):90. Apr.1966. 421 En8
Vanessa urticae in February.
- 13833 DAVID, W. A. L., and GARDINER, B. O. C. Persistence of a granulosis virus of *Pieris brassicae* on cabbage leaves. J. Invertebrate Pathol. 8(2):180-183. June 1966. 421 J826
- 13834 DICKSON, C. G. C. The life history of *Xanthopan morgani* (Wlk.) (Lepidoptera: Sphingidae). Entomol. Soc. Southern Afr. J. 28(2):230-232. Dec.31,1965. 420 En86
- 13835 ESTES, Z. E., and FAUST, R. M. Silicon content of intact nuclear polyhedra from the corn earworm, *Heliothis zea*. J. Invertebrate Pathol. 8(2):145-149. June 1966. 421 J826
- 13836 FAUST, R. M. Content of nucleic acid in intact nuclear polyhedral bodies isolated from virus-infected beet armyworms, *Spodoptera exigua* (Lepidoptera: Noctuidae). J. Invertebrate Pathol. 8(2):273-274. June 1966. 421 J826
- 13837 GUDAUSKAS, R. T., and CANERDAY, T. D. Pathogenicity of *Spicaria rileyi* to *Pseudoplusia includens*. J. Invertebrate Pathol. 8(2):277. June 1966. 421 J826
- 13838 HARRAP, K. A., and others. A noninclusion virus of *Gonometa podocarpi* (Lepidoptera: Lasiocampidae). J. Invertebrate Pathol. 8(2):270-272. June 1966. 421 J826
J. F. Longworth, T. W. Tinsley, and K. W. Brown, joint authors.
- 13839 HARSHBARGER, J. C., and MOORE, B. S. Some effects of X-irradiation on larvae of *Galleria mellonella*. J. Invertebrate Pathol. 8(2):277-279. June 1966. 421 J826
- 13840 HUDDART, H. The effect of potassium ions on resting and action potentials in lepidopteran muscle. Compar. Biochem. Physiol. 18(1):131-140. Ref. May 1966. 444.8 C73
- 13841 IGNOFFO, C. M. Effects of age on mortality of *Heliothis zea* and *Heliothis virescens* larvae exposed to a nuclear polyhedrosis virus. J. Invertebrate Pathol. 8(2):279-282. June 1966. 421 J826
- 13842 IGNOFFO, C. M. Effects of temperature on mortality of *Heliothis zea* larvae exposed to sublethal doses of a nuclear-polyhedrosis virus. J. Invertebrate Pathol. 8(2):290-292. June 1966. 421 J826
- 13843 KALSHOVEN, L. G. E. The biology of *Casmapra kalshoveni* Diakonoff, an oecophorid borer. Tijdschr. Entomol. 109(3):87-88. 1966. 421 T21
- 13844 KIND, T. V. Morphological investigation of the neurosecretory system of *Spilosoma menthas-tri* Esp. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:24-39. Ref. 1965. 442.9 L542V
English summary.
- 13845 LAIGO, F. M., and PASCHKE, J. D. A microsporidian, *Thelohania* sp., in *Pieris rapae*. J. Invertebrate Pathol. 8(2):269-270. June 1966. 421 J826
- 13846 LAIGO, F. M., and PASCHKE, J. D. Variations in total hemocyte counts as induced by a nosemosis in the cabbage looper, *Trichoplusia ni*. J. Invertebrate Pathol. 8(2):175-179. June 1966. 421 J826
Caused by *Nosema* sp.
- 13847 LEFKOVITCH, L. P. A population growth model incorporating delayed responses. Bull. Math. Biophys. 28(2):219-233. Ref. June 1966. 442.8 B872
Includes *Lasioderma sericorne*.
- 13848 LOCKE, M. The structure and formation of the cuticulin layer in the epicuticle of an insect, *Calpodex ethlius*. J. Morphol. 118(4):461-494. Ref. Apr.1966. 450 P692
- 13849 MARSH, J. C. S. A migration of *Catopsilia pomona* (Fab.) (Lepidoptera; Pieridae) in Malaya during June 1963. Malay. Natur. J. 19(2/3):153-156. Sept.1965. 409.6 M29
- 13850 MARTIGNONI, M. E., and MILSTEAD, J. E. Hypoproteinaemia in a noctuid larva [*Peridroma saucia*] during the course of a granulosis. J. Invertebrate Pathol. 8(2):261-263. June 1966. 421 J826
- 13851 MATHUR, S. B., SRIVASTAVA, R. P., and RAO, B. R. S. Beauveria densa, pathogenic for the larvae of *Chilo zonellus*. J. Invertebrate Pathol. 8(2):274-276. June 1966. 421 J826
- 13852 MORRIS, O. N. Incorporation of radioactive uridine into the RNA of the lepidopteran *Barathra brassicae*. J. Invertebrate Pathol. 8(2):259-261. June 1966. 421 J826
- 13853 NARBEL-HOFSTETTER, M. Cytology of the eggs resulting from the crossing of the parthenogenetic female of *Luffia ferchaultella* Steph. with the male of *Luffia lapidella* Goetz (Lepidoptera, Psychidae). (Fr) Chromosoma 18(2):153-200. Ref. 1966. 442.8 C46
English summary.

- 13854 NASR, EL S. A., and NAGUIB, M. A. Effect of relative humidity on rate of oviposition and longevity of the adult stage of the greasy cutworm, *Agrotis ypsilon* Rotf. (Lepidoptera: Noctuidae). Soc. Entomol. Egypt. Bull. 48:177-178. 1964, pub. 1965. 420 Egr
- 13855 NIKOLOVA, V., and NATSKOVA, V. Morphological and biological studies on *Pardia cynosbatella* L. and *Notocella roborana* Illg. (Lepidoptera, Tortricidae). (Bu) *Raznovedni* Nauk. 3(1):135-146. 1966. 64.8 R18
English summary.
- 13856 OBERLANDER, H., and SCHNEIDERMAN, H. A. Esterase changes during the activation of pupal brains of the saturniid moth, *Hyalophora cecropia*. Nature [London] 212(5060):432-433. Oct. 22, 1966. 472 N21
- 13857 ORTUNO MARTINEZ, A., and HERNANSAEZ RABAY, A. Influence of temperature on the biological cycle of citrus flower moth (*Prays citri*. Mill.). (Sp) An. Edoafol. Agrobiol. 25 (3/4):193-204. Mar./Apr. 1966. 506 Sp12
English summary.
- 13858 PAN, Y. S., YANG, S. L., and CHUANG, C. C. Reproductive potential of the sugarcane grey borer, *Eucosma schistaceana* Snellen, (Lepidoptera: Olethreutidae). Taiwan Sugar 12(4):23-29. Ref. Oct./Dec. 1965. 65.8 T133
- 13859 PLANTEVIN, G. Aspects of cellular migration in ovary culture in *Galleria mellonella*. (Fr) Ann. Nutr. Aliment. 20(4):360-366. Ref. 1966. 389.8 An73
Includes discussion.
- 13860 ROBERTS, D. W. Toxins from the entomogenous fungus *Metarrhizium anisopliae*. I. Production in submerged and surface cultures, and in inorganic and organic nitrogen media. J. Invertebrate Pathol. 8(2):212-221. Ref. June 1966. 421 J826
Galleria mellonella test insect.
- 13861 ROEDER, K. D. Acoustic sensitivity of the noctuid tympanic organ and its range for the cries of bats. J. Insect Physiol. 12(7):843-859. Ref. July 1966. 421 J825
Caenurgina erechetea and *Catocala*.
- 13862 ROEDER, K. D. A differential anemometer for measuring the turning tendency of insects in stationary flight. Science 153(3744):1634-1636. Sept. 30, 1966. 470 Sci2
Studied with moths.
- 13863 ROMENKO, T. M. Effect of the feeding conditions on the development, growth and fecundity of *Malacosoma neustrium*. (Uk) Akad. Nauk Ukr. RSR. Dopovidy 4:545-547. 1966. 511 K54
English summary.
- 13864 ROMENKO, T. M. Growth of *Malacosoma neustrium* L. caterpillars depending on feeding on various fodder plants. (Uk) Akad. Nauk Ukr. RSR. Dopovidy 5:676-678. 1966. 511 K54
English summary.
- 13865 SARLET, L. G. Description of the eggs of Belgian Lepidoptera. (Fr) Lambillionea 65 (7/8):78-80. (Cont.) May 25, 1966. 420 N15
- 13866 SCHNEIDERMAN, H. A., and SCHECHTER, A. N. Discontinuous respiration in insects. V. Pressure and volume changes in the tracheal system of silkworm pupae. J. Insect Physiol. 12(9):1143-1170. Ref. Sept. 1966. 421 J825
Hyalophora cecropia.
- 13867 SCHOONHOVEN, L. M., and DETHIER, V. G. Sensory aspects of host-plant discrimination by lepidopterous larvae. Arch. Neer. Zool. 16(4):497-530. Ref. May 1966. 410 Ar27
- 13868 SCHWENKE, W. On the parasites of the young larvae of the noctuid *Panolis flammea* Schiff. (Ge) Anz. Schadlingskunde 38(10):153-156. Ref. Oct. 1965. 421 An9
English summary.
Ichneumonidae.
- 13869 SEKUL, A. A., and COX, H. C. Sex pheromone in the fall armyworm, *Spodoptera frugiperda* J. E. Smith. BioScience 15(10):670-671. Ref. Oct. 1965. 500 Am322A
- 13870 SIDDIQI, Z. A., RAM, S., and ROHATGI, K. K. Studies on life and seasonal history of stalk borer of sugarcane, *Chilo auricilia* Dugl. in Bihar. Indian J. Entomol. 27(4):442-449. Dec. 1965. 420 In23
- 13871 SOHI, G. A. S., and VERMA, G. C. Feeding habits of *Phyllocnistis citrella* Stainton in relation to the anatomical structure of the [citrus] leaf. Indian J. Entomol. 27(4):483-485. Dec. 1965. 420 In23
- 13872 SOMME, L. The effect of temperature, anoxia, or injection of various substances on haemolymph composition and supercooling in larvae of *Anagasta kuehniella* (Zell.). J. Insect Physiol. 12(9):1069-1083. Ref. Sept. 1966. 421 J825
- 13873 STUMPF, H. F. Mechanism by which cells estimate their location within the body. Nature [London] 212(5060):430-431. Oct. 22, 1966. 472 N21
Of *Galleria mellonella*.
- 13874 WALTERS, D. R., and WILLIAMS, C. M. Re-aggregation of insect cells as studied by a new method of tissue and organ culture. Science 154(3748):516-517. Oct. 29, 1966. 470 Sci2
Antheraea polyphenus.
- 13875 WILKINSON, R. S. The David-Gardiner method of feeding lepidopterous larvae on a semi-synthetic diet. Mich. Entomol. 1(1):26-28. July 1966. QL461.M5

Orthoptera

- 13876 BORISOVA, A. E. Rearing *Locusta migratoria manilensis* Mey and *Locusta migratoria migratoria* L. on semisynthetic media. (Rus) Zool. Zhur. 45(6):858-864. Ref. 1964, pub. 1965. 410 R92
English summary.
- 13877 BROOKS, M. A., and RICHARDS, K. On the in vitro culture of intracellular symbiotes [bacteroids] of cockroaches. J. Invertebrate Pathol. 8(2):150-157. Ref. June 1966. 421 J826
Periplaneta americana and *Leucophaea maderae*.
- 13878 CASSIR, P. A contribution to the study of photomotoric reactions of the migratory locust *Locusta migratoria migratorioides* (R. et F.); their sensory determinism. (Fr) Insectes Sociaux 12(4):363-381. Ref. Dec. 1965. 421 In79
English summary.
- 13879 CHAPLAIN, R. A. Indication for an allosteric effect of adenosine diphosphate in actomyosin gels from insect fibrillar flight muscle. Arch. Biochem. Biophys. 115(3):450-461. Ref. Sept. 9, 1966. 381 Ar2
Tests with *Lethocerus cordofanus* or *L. maximus*.
- 13880 CHETTYRKINA, I. A. Biology of the injurious Crimean grasshopper, *Isophya taurica* Br.-W. (Orthoptera, Tettigoniidae). (Rus) Vses. Entomol. Obsch. Tr. 51:3-45. Ref. 1966. 420 R92
- 13881 COSENS, D. J. Visual sensitivity in the light- and dark-adapted compound eye of the desert locust. J. Insect Physiol. 12(7):871-890. Ref. July 1966. 421 J825
Schistocerca gregaria.
- 13882 DERR, R. F., and RANDALL, D. D. Trehalase of the differential grasshopper, *Melanoplus differentialis*. J. Insect Physiol. 12(9):1105-1114. Ref. Sept. 1966. 421 J825
- 13883 EDWARDS, J. S., and GOMEZ, D. Bound acetyl cholinesterase in the central nervous system of *Acheta domesticus* (L.) (Orthoptera). J. Insect Physiol. 12(9):1061-1068. Ref. Sept. 1966. 421 J825
- 13884 ELDEFRAWI, M. E., and O'BRIEN, R. D. Permeability of the abdominal nerve cord of the American cockroach to fatty acids. J. Insect Physiol. 12(9):1133-1142. Ref. Sept. 1966. 421 J825
Periplaneta americana.
- 13885 EWING, A. W., and MANNING, A. Some aspects of the efferent control of walking in three cockroach species. J. Insect Physiol. 12(9):1115-1118. Ref. 1966. 421 J825
Gromphadorhina portentosa, *Periplaneta americana* and *Nauphoeta cinerea*.

- 13886 HAFEZ, M., and IBRAHIM, M. M. On the biology of the immature forms of the desert grasshopper, *Sphingonotus carinatus* Sauss., in Egypt (Orthoptera: Acrididae). Soc. Entomol. Egypte. Bull. 48:219-227. 1964, pub.1965. 420 Eg9
- 13887 HAFEZ, M., and IBRAHIM, M. M. On the ecology and biology of the desert grasshopper, *Sphingonotus carinatus* Sauss., in Egypt (Orthoptera: Acrididae). Soc. Entomol. Egypte. Bull. 48:193-217. Ref. 1964, pub.1965. 420 Eg9
- 13888 HAFEZ, M., and IBRAHIM, M. M. Studies on the behaviour of the desert grasshopper, *Sphingonotus carinatus* Sauss., toward humidity and temperature. Soc. Entomol. Egypte. Bull. 48:223-248. 1964, pub.1965. 420 Eg9
- 13889 HILL, L., MORDUE, W., and HIGHNAM, K. C. The endocrine system, frontal ganglion, and feeding during maturation in the female desert locust. J. Insect Physiol. 12(9):1197-1208. Ref. Sept.1966. 421 J825
Schistocerca gregaria.
- 13890 JOHN, B., and HEWITT, G. M. A polymorphism for heterochromatic supernumerary segments in *Chorthippus parallelus*. Chromosoma 18(2):254-271. Ref. 1966. 442.8 C46
- 13891 MARUYAMA, K. Effect of magnesium on the adenosinetriphosphatase activity of insect actomyosin at low ionic strength. Compar. Biochem. Physiol. 18(3):481-487. Ref. July 1966. 444.8 C73
Periplaneta americana.
- 13892 MICHELSEN, A. Pitch discrimination in the locust ear: observations on single sense cells. J. Insect Physiol. 12(9):1119-1131. Ref. Sept. 1966. 421 J825
Schistocerca gregaria.
- 13893 MILLS, R. R., and COCHRAN, D. G. Purification and properties of myokinase from cockroach thoracic muscle mitochondria. Compar. Biochem. Physiol. 18(1):37-45. Ref. May 1966. 444.8 C73
Periplaneta americana.
- 13894 MILLS, R. R., GREENSLADE, F. C., and COUCH, E. F. Studies on vitellogenesis in the American cockroach. J. Insect Physiol. 12(7):767-779. Ref. July 1966. 421 J825
Periplaneta americana.
- 13895 EL-MINAWI, S. F., and LEHETA, M. F. On the effect of Co⁶⁰ gamma radiation on the desert locust (Orthoptera: Acrididae). Soc. Entomol. Egypte. Bull. 48:5-10. 1964, pub. 1965. 420 Eg9
Schistocerca gregaria.
- 13896 EL-MINAWI, S. F. On the effect of incubation temperature on viability of eggs of the desert locust, *Schistocerca gregaria* Forskal. Soc. Entomol. Egypte. Bull. 48:11-19. Ref. 1964, pub.1965. 420 Eg9
- 13897 EL-MINAWI, S. F., and HASSANEIN, M. EL S. Radiophosphorus in labelling the desert locust for population estimation. Soc. Entomol. Egypte. Bull. 48:27-36. 1964, pub.1965. 420 Eg9
Schistocerca gregaria.
- 13898 ODHIAMBO, T. R. The fine structure of the corpus allatum of the sexually mature male of the desert locust. J. Insect Physiol. 12(7):819-828. Ref. July 1966. 421 J825
Schistocerca gregaria.
- 13899 ROUSSEL, J. P. The role of corpora allata in the pigmentation of *Gryllus bimaculatus* DeG. (Fr.) J. Insect Physiol. 12(9):1085-1092. Ref. Sept.1966. 421 J825
English summary.
- 13900 SATIJA, R. C., and SHARMA, S. P. Studies on the brain of *Poecilocus pictus* F. and *Mantis religiosa*. I. Panjab Univ. Res. Bull. (n.s.)16 (4):292-297. Ref. Dec.1965. 513 Ea72
- 13901 STEVENSON, J. P. Motile streptococci from the desert locust, *Schistocerca gregaria*. J. Invertebrate Pathol. 8(2):258-259. June 1966. 421 J826
- 13902 STEVENSON, J. P. The normal bacterial flora of the alimentary canal of laboratory stocks of the desert locust, *Schistocerca gregaria* Forskal. J. Invertebrate Pathol. 8(2):205-211. Ref. June 1966. 421 J826
- 13903 STOLYAROV, M. V. Peculiarities of biology of *Isophya redenbacheri* Ad. (Orthoptera, Tettigoniidae) in Adzharia. (Rus.) Vses. Entomol. Obsch. Tr. 51:46-74. Ref. 1966. 420 R92
- 13904 SUGA, N. Ultrasonic production and its reception in some Neotropical Tettigoniidae. J. Insect Physiol. 12(9):1039-1050. Ref. Sept.1966. 421 J825
- 13905 THOMAS, K. K., and NATION, J. L. RNA, protein and uric acid content of body tissues of *Periplaneta americana* (L.) as influenced by corpora allata during ovarian development. Biol. Bull. 130(3):442-449. Ref. June 1966. 442.8 B52
- 13906 ULRICH, H. Catch and grab apparatus of *Mantipsa*—compared with *Mantis*. (Ge) Natur Mus. 95(12):499-508. Ref. Dec.1965. 509 F856
Mantipsa styriaca and *Mantis religiosa*.
- 13907 VEEN, K. H. Oral infection of second-instar nymphs of *Schistocerca gregaria* by *Metarrhizium anisopliae*. J. Invertebrate Pathol. 8(2):254-256. June 1966. 421 J826
- 13908 WOLSTENHOLME, D. R., and MEYER, G. F. Some facts concerning the nature and formation of axial core structures in spermatids of *Gryllus domesticus*. Chromosoma 18(2):272-286. Ref. 1966. 442.8 C46

Smaller Orders

- 13909 BERNHARDT, S. A. Observations on case-building by *Nemotaulius hostilis* (Hagen) larvae (Trichoptera: Limnephilidae). Brooklyn Entomol. Soc. Bull. (n.s.)59/60:63-76. Ref. 1964/65, distributed 1966. 420 B79
- 13910 BHATTNAGAR, R. D. S., and SINGH, K. I. Anatomy of the male and female reproductive system of the earwig *Labidura riparia* (Pallas); (Labiduridae; Dermaptera). Panjab Univ. Res. Bull. (n.s.)16(4):327-332. Ref. Dec.1965. 513 Ea72
- 13911 BORNEMISSZA, G. F. Observations on the hunting and mating behaviour of two species of scorpion flies (Bittacidae: Mecoptera). Australian J. Zool. 14(3):371-382. Ref. Sept. 1966. 414 Au73
Harpobittacus australis and *H. nigriceps*.
- 13912 CORBET, P. S. Parthenogenesis in caddisflies (Trichoptera). Can. J. Zool. 44(5):981-982. Ref. Sept.1966. 470 C16D
In *Amphipsyche senegalensis*, *Psychomyia flavida* and *Apatania zonella*.
- 13913 FUDALEWICZ-NIEMCZYK, and RICHARD, C. Organogenesis of adult nerves and tracheae of the termite *Reticulitermes lucifugus santonen-sis* Feyt. (Fr) Insectes Sociaux 12(4):309-320. Ref. Dec.1965. 421 In79
English summary.
- 13914 HAAS, G. E. A technique for estimating the total number of rodent fleas in cane fields in Hawaii. J. Med. Entomol. 2(4):392-394. Jan. 1966. 421 J828
- 13915 HAFEZ, M., and EL-MOURSAY, A. A. On the biology of *Klugina aristata* Klug (Neuroptera: Nemopteridae). Soc. Entomol. Egypte. Bull. 48:183-191. 1964, pub.1965. 420 Eg9
- 13916 HOWSE, P. E. On the significance of certain oscillatory movements of termites. Insectes Sociaux 12(4):335-345. Dec.1965. 421 In79
Zoeternopsis angusticollis; communication.
- 13917 JOHNSON, C. Environmental modification of habitat selection in adult damselflies. Ecology 47(4):674-676. Ref. Summer 1966. 410 Ec7
Hetaerina americana, *Hyponeura lugens* and *Ischnura*.
- 13918 KIM, K. C. The nymphal stages of three North American species of the genus *Enderleinellus* Fahrenholz (Anoplura: Hoplopleuridae). J. Med. Entomol. 2(4):327-330. Ref. Jan.1966. 421 J828
Enderleinellus longiceps, *E. marmotae*, and *E. suturalis*.
- 13919 KRAMPITZ, H. E. Observation on the laboratory rearing of *Leptopsylla segnis* Schönherr, 1811 (Insecta, Siphonaptera). (Ge) Z. Parasitenk. 26(3):197-214. Ref. 1965. 442.8 Z33F

- 13920 LEE, S. S. The life history of *Psoquilla marginipunctata* (Hagen), a dimorphic psocopteran. *Malayan Natur. J.* 19(4):214-222. Dec.1965. 409,6 M29
- 13921 LESTAGE, J. A. The skill of building in cadis worms [Trichoptera]. (Fr) *Natur. Belg.* 47(7):321-329. Aug./Sept.1966. 410,9 N21
- 13922 MEHRA, B. P. Biology of *Chrysopa madestes* Banks (Neuroptera: Chrysopidae). *Indian J. Entomol.* 27(4):398-407. Ref. Dec.1965. 420 In23
- 13923 MEHROTRA, P. N., and SEN, S. K. Hydrogen-ion concentration in the alimentary canal of certain dragonflies (Odonata). *Indian J. Entomol.* 27(4):494-496. Ref. Dec.1965. 420 In23
Sypnietrum flaveolum, Libellula depressa, and Orthetrum coerulescens.
- 13924 MOORE, B. P. Isolation of the scent-trail pheromone of an Australian termite. *Nature [London]* 211(5050):746-747. Aug.13,1966. 472 N21
Nasutitermes exitiosus.
- 13925 PARSONS, W. M., SCHLICHTING, H. E., and STEWART, K. W. In-flight transport of algae and protozoa by selected Odonata. *Amer. Microscop. Soc. Trans.* 85(4):520-527. Ref. Oct. 1966. 440,9 Am33
- 13926 SMYTHE, R. V., and COPPEL, H. C. Pathogenicity of externally occurring fungi to Reticulitermes flavipes. *J. Invertebrate Pathol.* 8 (2):266-267. June 1966. 421 J826
- 13927 SMYTHE, R. V., and COPPEL, H. C. Some termites may secrete trail-blazing attractants to lead others to food sources. *Pest Contr.* 34(10):73-74,76-78. Ref. Oct.1966. 449,8 Ex8
- 13928 SUOMALAINEN, E. Achiassmatic oogenesis in Trichoptera. (Ge) *Chromosoma* 18(2):201-207. Ref. 1966. 442,8 C46
English summary.
- 13929 TONAPI, G. T. The respiratory currents in the tracheal system of *Pantala flavescens* Fabr. (Odonata). *Indian J. Entomol.* 27(4):481-483. Dec.1965. 420 In23
- 13930 WATERS, T. F. Production rate, population density, and drift of a stream invertebrate [*Baetis vagans* (Ephemeroptera)]. *Ecology* 47 (4):595-604, map. Ref. Summer 1966. 410 Ec7

TAXONOMIC AND GEOGRAPHIC ENTOMOLOGY

- 13931 BEI-BIENKO, G. YA., ed. *Biologiya i sistematika nekotorykh vrednykh i poleznykh nasekomykh SSSR* [Biology and systematics of some insect pests and beneficial insects of the USSR]. *Vses. Entomol. Obshch. Tr.* 51,206 p. Ref. 420 R92
- 13932 BEKKER, E. G. *Teoriya morfologicheskoi evolyutsii nasekomykh* [Theory of morphological evolution in insects]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1966. 327 p. Ref. QL494.B4
- 13933 DERWESH, A. I. A preliminary list of identified insects and some arachnids of Iraq. *Baghdad. Dir. Gen. Agr. Res. Proj. Tech. Bull.* 112, i.e. 21,123 p. 1965. 22,5 Ir17
- 13934 FAUST, R. M., and ESTES, Z. E. Silicon content of the parasporal crystal of several crystalliferous bacteria. *J. Invertebrate Pathol.* 8 (2):141-144. June 1966. 421 J826
Chiefly *Bacillus thuringiensis* pathogenic to insects.
- 13935 GABLER, H. Particular features of the distribution of insect species in the national forest "Ostuf der Muritz." (Ge) *Arch. Freunde Naturgesch. Mecklenb.* 11:73-78. Ref. 1965. 474 Ar2
- 13936 NIKOLOVA, V. Contribution to the study on the mesofauna in a meadow Chestnut soil in Sofia area. (Bu) *Rastenievudni Nauk.* 3(4):111-117. 1966. 64,8 R18
English summary.
Chiefly insects.
- 13937 ROSSEM, G. VAN. *Insekten. Hexapoda; algemeene inleiding* [Insects—Hexapoda; general introduction]. Ned. Natuurhist. Ver. Wetensch. Mededel. 63,43 p. Ref. May 1966. 410,9 N28
English summary.
Physiology and taxonomy.
- 13938 SAYED, M. T., ROSTOM, Z. M. F., and KASHEF, A. H. Contributions to the insect fauna of some oases of the Egyptian western desert. *Soc. Entomol. Egypte. Bull.* 48:259-267. Ref. 1964, pub.1965. 420 Eg9
- 13939 TORNE, E. Experiences fixing and preserving small soil arthropods. (Ge) *Deut. Entomol. Ges. Mitt.* 24(4):67-69. Oct.31,1965. 420 D482
- 13940 VEEN, K. H., and FERRON, P. A selective medium for the isolation of *Beauveria tenella* and of *Metarrhizium anisopliae*. *J. Invertebrate Pathol.* 8(2):268-269. June 1966. 421 J826
From insect carcasses.
- 13941 WATSON, D. G., DAVIS, J. J., and HANSON, W. C. Terrestrial invertebrates. In *Willmovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska*, p.565-584, map. 1966. QH105.A4W5
Chiefly arthropods.

Arachnida, Myriapoda, etc.

- 13942 ABD-EL-HAMID, M. E. The redescription of *Damaeus onustus* (C. L. Koch, 1844) (Acarina, Oribatei). (Ge) *Zool. Anz.* 176(1):43-51. Ref. Jan.1966. 410 Z7
- 13943 ANDRE, M. *Hirstiella Zacher, 1941* (Tetranychidae) ought to be invalidated because of incorrectness. (Fr) *Acarologia* 7(2):294. Apr. 1965. 434,8 Ac1
Hirstiella Berlese, 1920 should retain its priority.
- 13944 AOKI, J. I. A remarkable new oribatid mite from south Japan (Cryptostigmata, Tokunoepehidae, fam. nov.). *Acarologia* 8(2):358-364. Apr.1966. 434,8 Ac1
Includes *Tokunoepehus mizusawai* n. g., n. sp.
- 13945 ATYEO, W. T., and GAUD, J. The chaetotaxy of sarcophagid feather mites (Acarina: Analgoidea). *Kans. Entomol. Soc. J.* 39(2):337-346. Apr.1966. 420 K13
- 13946 BESSELING, A. J. Hydrachnida from the southern part of Limburg. (Du) *Natuurhist. Genoot. Limburg. Natuurhist. Maandbl.* 55(5):72-76. May 25,1966. 409,6 N2123N
Taxonomy and distribution.
- 13947 BOCZEK, J. Studies on mites (Acarina) living on plants in Poland. VII. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):335-341. 1966. 512 W262
Includes n. spp. in Diptacrus.
- 13948 CHAMBERLIN, R. V. A new genus in the chilo-pod family Dignathodontidae with proposal of two subfamilies (Chilopoda; Geophilomorpha). *Biol. Soc. Wash. Proc.* 79:215-220. Aug.15, 1966. 500 W272
Agathothinae n. sfam., and Dignathodontinae n. sfam.
- 13949 CHRYSANTHUS, F. On the identity of *Coelotes atropos* (Walckenaer), saxatilis (Blackwall) and terrestris (Wider) (Araneida, Agelenidae). *Tijdschr. Entomol.* 108(3):61-71. Ref. 1965. 421 T21
- 13950 CHRYSANTHUS, P. Spiders from Limburg. VIII. (1961-1965). (Du) *Natuurhist. Genoot. Limburg. Natuurhist. Maandbl.* 55(10):156-157. Oct.26,1966. 409,6 N2123N
- 13951 CLIFFORD, C. M., and HOOGSTRAAL, H. *Ixodes transvaalensis* n. sp. from a rodent nest in the Republic of South Africa (Acarina: Ixodidae). *J. Med. Entomol.* 2(4):372-373. Jan. 1966. 421 J828
- 13952 COOKE, J. A. L. The identification of females of the British species of *Erigone* (Araneae, Linyphiidae). *Entomol. Mon. Mag.* 101 (1214/1216):195-196. July/Sept.1965. 421 En86
- 13953 DENIS, J. *Erigonidae, XXXIII. The genus Scotargus Simon* (Araneae). (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser.2)37(6):975-982. Ref. 1965. 410,9 P213
- 13954 FAIN, A. Cave mites from the Congo. I. *Trogloptes luciae* n. sp., n. g. coming from a grotto at Thyssville. (Fr) *Rev. Zool. Bot. Afr.* 73(3/4):397-400. June 30,1966. 410 R326

- 13955 FAIN, A. Notes on the genus *Notoedres* Raillet, 1893 (Sarcoptidae, Sarcoptiformes). (Fr) *Acarologia* 7(2):321-342, Ref. Apr. 1965, 434.8 Ac1
Includes *Notoedres* (*Notoedres*) *oudemansi* n. sp. and *Jansnotoedres* n. sp.
- 13956 FAIN, A. On a case of scabies in a mole rat (*Cryptomys hottentotus*) produced by a mite of the genus *Psorergates* (Psorergatidae, Trombidiformes). (Fr) *Acarologia* 7(2):295-300, Apr. 1965, 434.8 Ac1
Psorergates (*Psorobia*) *zumpti* n. sp.
- 13957 FAIN, A. *Procnemidocoptes jansseni* n. g., n. sp., and *Neocnemidocoptes* n. g., modification of *Knemidokoptidae*, cuticle parasites of birds (Acarina, Sarcoptiformes). (Fr) *Rev. Zool. Bot. Afr.* 73(3/4):390-396, June 30, 1966, 410 R326
- 13958 FEIDER, Z. New Trombiculidae (Acariformes) larvae, parasites of small mammals. (Fr) *Zool. Anz.* 176(2):106-123, Feb. 1966, 410 Z7
New spp. in *Neotrombicula*, *Microtrombicula*, *Leptotrombidium*.
- 13959 GAUD, J. Plumiculous Sarcoptiformes (Analgoidea), parasites on Cuculiformes birds in Africa. (Fr) *Rev. Zool. Bot. Afr.* 73(3/4):317-338, June 30, 1966, 410 R326
Includes n. spp. in *Coraciacarus*, *Scutalgus* n. g. and *Coccylichus* n. g.
- 13960 GRANDJEAN, F. *Fosseremus quadripartitus* nov. nom. (Oribatei). *Acarologia* 7(2):343-375, Ref. Apr. 1965, 434.8 Ac1
Redescription of *Damaeolus lacinatus* de Paoli, 1908; includes *Damaeolidae* n. fam.
- 13961 HAMMEN, L. VAN DER. The oribatid family Phthiracaridae. IV. The leg chaetotaxy of Phthiracarus anonyum Grandjean. *Acarologia* 7(2):376-381, Ref. Apr. 1965, 434.8 Ac1
- 13962 JEZEQUEL, J. F., and JUNQUA, C. The spiders of the Great Western Erg (Algerian Sahara). (Fr) *Paris. Mus. Nat. Hist. Natur.* Bull. (ser. 2) 37(6):966-974, 1965, 410.9 P213
Includes n. spp. in *Cerbalus* and *Cerbalopsis* n. g.
- 13963 KAROL, S. A new species of the genus *Araneus* (Araneae, Argiopidae). (Fr) *Ankara. Univ. Fac. Sci. Commun. (ser. C)* 10:111-114, 1966, 330.9 An4
Araneus karabagi.
- 13964 KRANTZ, G. W. A review of the genus *Neopodocinum* Oudemans 1902 (Acarina: Macrochelidae). *Acarologia* 7(2):139-226, Ref. Apr. 1965, 434.8 Ac1
Includes n. spp.
- 13965 LAWRENCE, R. F. Two new Solifugae (Arachnida) from Algerian North Africa. *Paris. Mus. Nat. Hist. Natur. Bull.* (ser. 2) 37(6):983-988, 1965, 410.9 P213
Oparbella junquana n. sp. and *Biton vachoni* n. sp.
- 13966 LEGENDRE, R. A small collection of Archaea godfreyi Hewitt 1919 (Araneida) from the Musee Royal de l'Afrique Central (Tervuren). (Fr) *Rev. Zool. Bot. Afr.* 73(3/4):276-282, Ref. June 30, 1966, 410 R326
- 13967 LIVSHITS, I. Z., and MITROFANOV, V. I. Taxonomic position of species in the genus *Bryobia* C. L. Koch, 1836, and a description of five new species (Bryobiidae, Acariformes). (Rus) *Zool. Zhur.* 45(6):836-849, 1966, 410 R92
English summary.
- 13968 MCDANIEL, B., and PRICE, M. A. A new species of *Microlichus* from the cattle egret (*Bubulcus ibis*) in Texas (Acarina: Epidermoptidae). *Kans. Entomol. Soc. J.* 39(2):237-241, Apr. 1966, 420 K13
Microlichus bubulcus n. sp.
- 13969 MOREL, P. C., and VASSILADES, G. Description of the Argas hoogstraali n. sp. from Madagascar (Acarina, Ixodoidea). (Fr) *Acarologia* 7(2):268-273, Apr. 1965, 434.8 Ac1
- 13970 MOREL, P. C. Description of the Haemaphysalis tauffliebi n. sp. from Central Africa (Acarina, Ixodoidea). (Fr) *Acarologia* 7(2):281-285, Apr. 1965, 434.8 Ac1
- 13971 MOREL, P. C. Redescription of *Ixodes djaronensis* Neumann, 1907 (Acarina, Ixodoidea). (Fr) *Acarologia* 7(2):274-280, Apr. 1965, 434.8 Ac1
- 13972 MORITZ, M. New oribatids (Acarini) from Germany. II. *Multiploia laniseta* n. sp. (Ge) *Zool. Anz.* 176(2):127-132, Feb. 1966, 410 Z7
- 13973 MOSS, W. W., and FUNK, R. C. Studies on the developmental chaetotaxy of Dyscynotus hystricinus n. g., n. sp. (Acarini: Mesostigmata: Laelaptoidea). *Acarologia* 7(2):235-267, Ref. Apr. 1965, 434.8 Ac1
- 13974 MOULDER, B. C. Spiders of Illinois: additional species. III. *State Acad. Sci. Trans.* 59(3):294-295, 1966, 500 IL6
- 13975 NEWELL, I. M., and RYCKMAN, R. E. Species of *Pimeliaphilus* (Acarini: Pterygosomidae) attacking insects, with particular reference to the species parasitizing Triatominae (Hemiptera: Reduviidae). *Hilgardia* 37(12):403-436, Ref. May 1966, 100 C12H
Includes n. spp.
- 13976 PABLOS, F. Armadillidae of northeastern Spain. (Sp) *Spain. Inst. Biol. Acta Publ.* 38:59-63, map, Ref. June 1965, 442.9 Sp13
English summary.
Armadillo officialis.
- 13977 RACK, C. Description of *Pygmephorus ignotus* Krczal 1959 and four new species of Pygmotidae from Hamburg (Acarina, Trombidiformes). (Ge) *Hamburg. Naturwiss. Ver. Abhandl. Verhandl. (n.s.)* 9:17-30, 1964, pub. 1965, 509 H173Ab
Pygmephorus vetus n. sp., *P. piliasper* n. sp., *P. hassi* n. sp. and *P. fageus* n. sp.
- 13978 RAMSAY, G. W. Two new oribatid mites (Acarini) from a New Zealand pasture. *New Zeal. J. Sci.* 9(2):416-425, June 1966, 514 N482
Zygoribatula magna n. sp. and *Multoribates schelorbatoidea* n. sp.
- 13979 SAMBINAK, K. The revision of the genus *Cosmoglyphus* Oudemans 1932, the same time a contribution to the problem of copra itch. (Ge) *Zool. Anz.* 176(1):27-42, Ref. Jan. 1966, 410 Z7
Includes n. spp.
- 13980 SAMBINAK, K. Two interesting hypopi living on insects (Acarini, Acariacidae). (Ge) *Zool. Anz.* 176(2):124-127, Feb. 1966, 410 Z7
Acotyledon abnorme n. sp. on *Coparis lunaris* and *Kanoetus cubanus* n. g. n. sp. on *Passalus interstitialis*.
- 13981 SCHUSTER, R. O., and GRIGARICK, A. A. New Tarigrada from Western North America. II. *Echiniscus*. *Biol. Soc. Wash. Proc.* 79:127-129, Aug. 15, 1966, 500 W272
Echiniscus becki n. sp.
- 13982 SUMMERS, F. M. Key to families of the Raphignathoidea (Acarina). *Acarologia* 8(2):226-229, Ref. Apr. 1966, 434.8 Ac1
- 13983 SUSKI, Z. W. Tarsonemid mites on apple trees in Poland. V. *Tarsonemus hermes* n. sp. (Acarina, Tarsonemidae). *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):327-333, 1966, 512 W262
- 13984 TRAUB, R., and NADCHATRAM, M. A revision of the genus *Chatia* Brennan, with synonymic notes and descriptions of two new species from Pakistan (Acarina: Trombiculidae). *J. Med. Entomol.* 2(4):373-383, Ref. Jan. 1966, 421 J828
Chatia wissemanni n. sp. and *C. nurahmani* n. sp.
- 13985 VERCAMMEN-GRANJEAN, P. H. A note apropos a new name, *Ericotrombidium* (Trombiculidae, Acarina). (Fr) *Acarologia* 8(2):286, Apr. 1966, 434.8 Ac1

Coleoptera

- 13986 ABDULLAH, M. A revision of the genus *Sterops* Steven, with a proposed new subfamily Steropinae of the family Anthicidae (Coleoptera). *Entomol. Mon. Mag.* 10(1214/1216):206-216, Ref. July/Sept. 1965, 421 En86
Includes n. spp.

- 13987 ALLEN, A. A. Annotated corrections to the list of British species of Leiodes Latr. (Col., Leiodidae). Entomol. Mon. Mag. 101 (1214/1216):178-184. Ref. July/Sept.1965. 421 En86
- 13988 ALLEN, A. A. *Biblopectus minutissimus* Aube (Col., Pselaphidae) in Devon. Entomol. Mon. Mag. 101(1214/1216):201. July/Sept.1965. 421 En86
- 13989 ALLEN, A. A. *Lithocharis nigriceps* Kr. (Col., Staphylinidae) in Somerset and Surrey. Entomol. Mon. Mag. 101(1214/1216):201. July/Sept. 1965. 421 En86
- 13990 ALLEN, A. A. Notes on records of two species of Bembidion (Col., Carabidae). Entomol. Mon. Mag. 101(1214/1216):177. July/Sept.1965. 421 En86
Bembidion lunatum and B. octomaculatum.
- 13991 BASILEWSKY, P. Carabids (Coleoptera) collected by Mr. C. Koch in Somalia. (Fr) Munich, Mus. G. Frey. Entomol. Arb. 15(1):81-90. 1964. 420 M923
Includes *Lipostrotia laeviceps* n. sp. and *Trianogenius kochi* n. sp.
- 13992 BOKERMANN, W. C. A. A new species of Chlamisus from Madagascar (Coleoptera, Chrysomelidae, Chlamisinae), XIX. Munich, Mus. G. Frey. Entomol. Arb. 15(1):78-80. 1964. 420 M923
Chlamisus madagascariensis n. sp.
- 13993 BREUNING, S. Description of some new forms of the genus Carabus L. (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):106-107. 1964. 420 M923
- 13994 BREUNING, S. New Lamidae from the G. Frey museum (Coleoptera, Cerambycidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):91-97. 1964. 420 M923
Includes n. spp. in *Mesosa* (*Salmia*), *Mesosa*, *Sorbia*, *Mutatoceps*, *Paridactus*, *Frea* (*Crosotofrea*), *Niphona*, *Pterolophia*, *Pseudoterinaea*, *Cicatrixestola*, *Ostodes*, *Acartus*, *Exocentrus* (*Pseudocentrus*), *Miaena* and *Obereopsis*.
- 13995 BUCK, F. D. Some Antichidae (Col.) from Southern Rhodesia including a species new to science. Entomol. Mon. Mag. 101(1214/1216):192-194. July/Sept.1965. 421 En86
Mecynotarsus feminus n. sp.
- 13996 CHAPIN, E. A., and AHMAD, R. A new species of coccinellid feeding on scale insects in West Pakistan. 1. Entomophaga 11(2):213-215. 1966. 421 En835
Pseudoscymnus simmondsi n. sp. a predator of *Pinnaeus strachani* on *Ficus palmata*.
- 13997 DELEVE, J. Revision du genre *Microdinodes* et description d'un genre nouveau (Coleoptera Elmiphidae). XII. Contribution à l'étude des Dryopoidea (Revision of the genus *Microdinodes* and the description of a new genus (Coleoptera, Elmiphidae). XII. Contribution to the study of Dryopoidea. Mus. Roy. Afr. Cent. Ann. Sci. Zool. 140, 57 p. Ref. 1965. 515 M97A
Includes n. spp., *Paramicrodinodes* n. sgen., and n. spp. in *Eumicrodinodes* n. g.
- 13998 DELKESKAMP, K. Contribution to the knowledge of the Erotylidae (Coleoptera). 35. Supplement to the "Secondary sex characters of the Erotylidae." (Ge) Deut. Entomol. Ges. Mitt. 24(4):64-65. Oct.31,1965. 420 D482
- 13999 ENDRODI, S. Description of a new Lucanidae from the Ivory Coast (Coleoptera). (Ge) Rev. Zool. Bot. Afr. 73(3/4):273-275. June 30,1966. 410 R326
Prosopocoilus decellei n. sp.
- 14000 ESPANOL, F. Cavernicolous Carabidae of the Iberian Peninsula and Balearic Islands (Coleoptera, Caraboidea). (Sp) Spain. Inst. Biol. Apl. Publ. 38:123-151. Ref. June 1965. 442.9 Sp13
French summary.
Includes *Geotrechus* (*Geotrechidius*) *ubachi* n. sp.
- 14001 FAGEL, G. Contribution to the study of Staphylinidae. XCV. The Ethiopian *Paederus*. (Fr) Rev. Zool. Bot. Afr. 73(3/4):255-272. June 30, 1966. 410 R326
- 14002 FERREIRA, M. C. Catalogo dos coleopteros de Mocambique. [Catalog of the Coleoptera of Mozambique]. Rev. Entomol. Mocambique 6 (2):533-1008, map. (Concl.) Ref. 1963, pub. 1966. 421 R3294
- 14003 FOSTER, G. N. Aquatic Coleoptera in East Sussex. Entomol. Mon. Mag. 101(1214/1216):197. July/Sept.1965. 421 En86
- 14004 FRENET, L. The Cicindela. (Fr) Natur. Belg. 47(7):329-332. Aug./Sept.1966. 410.9 N21
- 14005 FREY, G. A new Indian Onthophagus (Coleoptera, Copridae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):290. 1964. 420 M923
Onthophagus hemipygus n. sp.
- 14006 FREY, G. New Melolonthinae from the Museum Frey (Coleoptera). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):129-133. 1964. 420 M923
Includes n. spp. in *Trochilus*, *Gama*, *Hyposerica* and *Ancystrosoma*.
- 14007 FREY, G. Two new Apogonia species from New Guinea, according to the determination keys (Coleoptera, Melolonthidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):277-278. 1964. 420 M923
Apogonia vossi n. sp. and *Apogonia lanata* n. sp.
- 14008 FURSCH, H. Race formation in the species *Chnootriba similis* and *maderi* (Col. Coccinellidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):108-110, map. 1964. 420 M923
- 14009 FURSCH, H. Synonymy of *Chelomenes lunata* F. and *sulphura* Ol. (Col. Coccinellidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):98-99. 1964. 420 M923
- 14010 GONZALEZ, M. Revision of the genus *Bulbalcephalus* Capimont (Coleoptera, Curculionidae). (Sp) Spain. Inst. Biol. Apl. Publ. 38:65-77. Ref. June 1965. 442.9 Sp13
English summary.
Includes n. spp.
- 14011 HAAF, E. Alcides from Java, Sumatra and Malaya (Coleoptera, Curculionidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):1-77, map. 1964. 420 M923
Includes n. spp.
- 14012 HAAF, E. Alcides of the Indo-Chinese subcontinent (Coleoptera, Curculionidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):134-220, map. 1964. 420 M923
Includes n. spp.
- 14013 HAAF, E. New Alcides species from East Africa and New Guinea (Coleoptera, Curculionidae). (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):291-295. 1964. 420 M923
Alcides inops n. sp., Alcides wirthi n. sp. and Alcides lemniscatus n. sp.
- 14014 HARDE, K. W., and KOSTLIN, R. Contribution to the beetle fauna in the Württemberg region. (Ge) Ver. Vaterland. Naturkunde Württemb. Jahresh. 120:246-267. Dec.1,1965. 509 W96
- 14015 HENDRICH, S., S., and BOLIVAR Y PIEL-TAIN, C. Discovery of a new cavernicolous Mexiphodrus in Hidalgo State (Mexico), Mexiphodrus gertschi n. sp. (Coleoptera, Carabidae). (Sp) Ciencia 25(1):7-10. 1966. 475 C48
English summary.
- 14016 HERVE, P. Description of one new species of the genus *Mayetia* Muls. et Rey from the region of Maures (Var). (Col. Pselaphidae). (Fr) Entomops 1:23-27. First Q.1965. QL461.E53
Mayetia maurettensis n. sp.
- 14017 HERVE, P. Research on the fauna of the soil; description of a new species of the genus *Amauropidius* Jean. (Col. Pselaphidae). (Fr) Entomops 1:28-31. First Q.1965. QL461.E53
Amauropidius tholini n. sp.
- 14018 JEDLICKA, A. New species of the family Carabidae (Coleoptera) from the collection of the Austrian expedition on Karakoram. II. (Ge) Munich, Mus. G. Frey. Entomol. Arb. 15(1):286-289. 1964. 420 M923
Includes n. spp. in *Harpalus* (*Phenginus*) and *Cymindis*.

- 14019 JOHNSON, C. *Caenoscelis subdeplanata* Bris. (Col., Cryptophagidae): a beetle new to Britain. Entomologist [London] 99(1236):129-131. May 1966. 421 En8
- 14020 JOHNSON, C. A few interesting Coleoptera in Nantgwynant, Caerns. Entomol. Mon. Mag. 101(1214/1216):184. July/Sept. 1965. 421 En86
- 14021 JOHNSON, C. The identity of *Triaxagus seriatus* Blair (Col., Trixagidae). Entomol. Mon. Mag. 101(1214/1216):216. July/Sept. 1965. 421 En86
A synonym of *T. carinifrons*.
- 14022 JOHNSON, C. New Coleoptera records for Lancashire and Cheshire, 1965. Entomologist [London] 99(1236):113-115. May 1966. 421 En8
- 14023 JOHNSON, C. Some amendments to the British list of Anisotomidae (Col.). Entomologist [London] 99(1235):106. Apr. 1966. 421 En8
- 14024 JOHNSON, C. The Stephansian species of the family Clambidae (Col.), together with a revised British list of the family. Entomol. Mon. Mag. 101(1214/1216):185-188. July/Sept. 1965. 421 En86
- 14025 JOHNSON, C. Taxonomic notes on British Coleoptera. 3. *Quedius infuscatus* Erichs. erroneously recorded as British (Staphylinidae). Entomologist [London] 99(1236):121-123. May 1966. 421 En8
- 14026 KEVAN, D. K. *Anthonomus rubi* Herbst var. *brunneipennis* Curtis a separate species (Col., Curculionidae). Entomol. Mon. Mag. 101(1214/1216):203-205. July/Sept. 1965. 421 En86
- 14027 KEVAN, D. K. *Helophorus aequalis* C. G. Thomson a distinct species—not a variety of *H. aquaticus* (Linnaeus) (Col., Hydrophilidae). Entomol. Mon. Mag. 101(1214/1216):165-168. July/Sept. 1965. 421 En86
- 14028 KORGE, H. A remarkable *Ocypus* species [*Ocypus chevrolati zimmermanni*] from Switzerland (Coleoptera, Staphylinidae). (Ge) Deut. Entomol. Ges. Mitt. 24(4):69-71. Oct. 31, 1965. 420 D482
- 14029 KULZER, H. On new Tenebrionidae species (Coleoptera). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 15(1):221-276. 1964. 420 M923
Includes n. spp. in *Neocabiratus* n. g., *Loboderus*, *Chaetopsis*, *Ischnodactylus*, *Probatiscus*, *Adavrus*, *Hypophloeus* (Paraphloeus), *Choastes*, *Othryoneus*, *Cophodema*, *Adelodemus*, *Cestrinus*, *Caedius*, *Ulodes*, *Platydesma*, *Bolbophanes*, and *Exangelutius*.
- 14030 LAMEERE, A. The animals of Belgium. (Fr) Natur. Belg. 47(7):365-370. Aug./Sept. 1966. 410.9 N21
Coleoptera.
- 14031 MORRIS, M. G. *Otiorynchus ligustici* (L.) Col., Curculionidae in Shropshire, with notes on its recorded distribution in Britain. Entomol. Mon. Mag. 101(1214/1216):169-171, map. Ref. July/Sept. 1965. 421 En86
- 14032 NELSON, G. H. Notes on the Buprestidae. IV. With a new synonym in *Chrysobothris*. Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:37-41. 1964/65, distributed 1966. 420 B79
- 14033 OCHS, J. Note on *Chrysocarabus solieri* Dejean and its subspecies. (Fr) Entomops 3:67-69. First Q. 1965. QL461.E53
- 14034 OCHS, J. Note on some Coleoptera Carabidae from the southeast of France; description of 4 new subspecies. (Fr) Entomops 1:14-15. First Q. 1965. QL461.E53
- 14035 PETROVITZ, R. New *Ateneus* speices (Coleoptera, Scarabaeidae). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 15(1):279-285. 1964. 420 M923
- 14036 PHILP, E. G. *Syagrius intrudens* Waterh. (Col., Curculionidae) recorded from Kent. Entomol. Mon. Mag. 101(1214/1216):196. July/Sept. 1965. 421 En86
- 14037 POTOTSKAYA, V. A. Larva of *Philonthus elegantulus* Luzé (Coleoptera, Staphylinidae). (Rus) Zool. Zhur. 45(6):939-942. 1966. 410 R92
English summary.
- 14038 REICHARDT, H. *Galerita Gouan*, 1770 (Pisces): proposed addition to the official index together with addition of *Galerita Fabricius*, 1801, to the official list. Z.N.(S.) 1739. Bull. Zool. Nomencl. 23(1):60-61. Apr. 29, 1966. 410 B374
Galerita Fabricius (Coleoptera).
- 14039 SABROSKY, C. W., and ZIMMERMAN, E. C. *Trypetesinae* and *Trypetesini* (Lacordaire): proposed emendation of family-group names under the plenary powers (Insecta, Coleoptera). Z.N.(S.) 1733. Bull. Zool. Nomencl. 23(1):46-47. Apr. 29, 1966. 410 B374
- 14040 SANTORO, F. H., and VIEDMA, M. G. DE. Lyctidae of the Spanish institute of entomology [Instituto Espanol de Entomologia] (Coleoptera). (Sp) Graellsia 21:85-87. Jan./Dec. 1965. 421 G75
- 14041 SCHEDL, K. E. New bark and timber beetles forwarded by the Commonwealth Institute of Entomology; 200th contribution to the morphology and taxonomy of Scolytoidea. Novos Taxa Entomol. 38:3-15. Feb. 1965. 421 N853
Includes n. spp. in *Hylesinus*, *Rhopalopseion*, *Hapalogenius*, *Polygraphus*, *Cryphalophorus*, *Stephanoderes*, *Pytophorus*, *Mimips*, *Xyleborus* and *Periomatus*.
- 14042 SCHERER, G. A contribution to the study of Neotropical Eumolpidae (Coleoptera, Chrysomelidae, Eumolpinae). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 15(1):111-128. 1964. 420 M923
Includes n. spp. in *Chalcophana*, *Coytiara*, *Pygocolaspis*, *Freycolaspis* n. g., *Colaspis*, and *Rhabdopteris*.
- 14043 SCHERER, G. A new Distigmoptera which Charles Darwin captured during his journey on the "Beagle": included is a new *Hypolampsia* and a new *Sparnus* species (Coleoptera, Chrysomelidae, Alticinae, Monoplatini). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 15(1):296-301. 1964. 420 M923
Distigmoptera darwini n. sp., *Hypolampsia bryanti* n. sp. and *Sparnus bicolor* n. sp.
- 14044 STOCKMANN, S. *Leptacinus sulcifrons* Steph. found in Finland. (Fi) Notulae Entomol. 45(4):153. 1965. 421 N84
- 14045 TARRIER, M. Description of two new subspecies of Carabidae from the Alpes-Maritimes. (Fr) Entomops 3:70-73. First Q. 1965. QL461.E53
Of *Archicarabus nemoralis* and *Dysmictocarus solieri*.
- 14046 WEGELIUS, A. *Trogoderma angustum* Sol. found in Finland. (Fi) Notulae Entomol. 45(4):156. 1965. 421 N84
- 14047 WITTMER, W. Twenty seventh contribution to the study of Malacodermata (Coleoptera). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 15(1):190-195. 1964. 420 M923
Includes n. spp. in *Malthodes*, *Cephaloncus* and *Ebaeus*.
- 14048 YOUNG, R. M. A new species of *Polypheyla* and a designation of two lectotypes (Coleoptera: Scarabaeidae, Melolonthinae). Kans. Entomol. Soc. J. 39(2):233-236. Apr. 1966. 420 K13
Polypheyla devestiva n. sp.

Diptera

- 14049 ALEXANDER, C. P. New species of Eriopterini crane flies from southern Asia (Tipulidae: Diptera). Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:1-22. 1964/65, distributed 1966. 420 B79
New spp. in *Baeoura* and *Erioptera*.
- 14050 AUBROOK, F. W. *Pamponerus germanicus* (L.) (Dipt., Asilidae) in north Lancs. Entomol. Mon. Mag. 101(1214/1216):205. July/Sept. 1965. 421 En86
- 14051 BOT, J. Census of a *Dacina* population (Diptera: Trypetidae). Entomol. Soc. Southern Afr. J. 28(2):166-178. Ref. Dec. 31, 1965. 420 En86

- 14052 COLLIN, J. E. A revision of the British species of *Cetema* Hendel (Diptera, Chloropidae), with two species new to science. *Entomologist [London]* 99(1236):116-120. May 1966. 421 En8
Cetema paramyopina n. sp. and *C. transversa* n. sp.
- 14053 DRABER-MONKO, A. A new species [*Siphona ryszardi*] of the genus *Siphona* Meig. (Diptera, Muscidae) from Mongolia. (Ge) *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(4):225-232. Ref. 512 W262
- 14054 EGSEBOEK, W., and ROER, H. *Nycteribia kolenatii* Theodor (bat fly) new to Denmark (Dipt. Nycteribiidae). (Da) *Flora Fauna* 71(4):147-148, map. Dec. 1965. 410 P662
German summary.
- 14055 EICHLER, W. Two new evolutionary terms for speciation in parasitic animals. *Syst. Zool.* 15(3):216-218. Sept. 1966. 410 Sy8
Culicidae, Siphonaptera and Mallophaga.
- 14056 FONSECA, E. C. M. D'. A new species of *Della* (Dipt., Anthomyiidae) attacking onions in Egypt and Iraq. *Entomol. Mon. Mag.* 101(1214/1216):198-199. July/Sept. 1965. 421 En86
Della alliaria n. sp.
- 14057 FOOTE, R. H. Notes on the types of Tephritidae described by R. W. Doane (Diptera). *Entomol. Soc. Wash. Proc.* 68(2):120-126. Ref. June 1966. 420 W27
- 14058 GRIFFITHS, G. C. D. The Agromyzidae (Diptera) of Greenland. *Meddelelser Gronland* 170(4), 32 p. Ref. 1966. 502 C792
Includes n. spp. in *Cerodontha* and *Phytomyza*.
- 14059 HARMSTON, F. C. New Dolichopodidae from Oregon (Diptera). *Kans. Entomol. Soc. J.* 39(2):223-226. Apr. 1966. 420 K13
New spp. in *Tachytrechus*, *Diostracus*, *Asyndetus*, and *Campsiocnemus*.
- 14060 HUCKETT, H. C. Arctic Muscidae from the Cape Thompson region of Alaska (Diptera). *Brooklyn Entomol. Soc. Bull. (n.s.)* 59/60:46-50, map. 1964/65, distributed 1966. 420 B79
Includes *Fucellia biseriata* n. sp.
- 14061 KANEKO, A., and TAKADA, H. *Drosophila* survey of Hokkaido. XXI. Description of a new species, *Drosophila neokadai* sp. nov. (Diptera, Drosophilidae). *Annot. Zool. Jap.* 39(1):55-59. Mar. 1966. 410 An79
- 14062 KHALAF, K. T. Notes on the taxonomy of Culicoides from Louisiana (Diptera: Ceratopogonidae). *Kans. Entomol. Soc. J.* 39(2):227-231. Apr. 1966. 420 K13
- 14063 LINDNER, E. Stratiomyiidae from the Congo in the Musée Royal de l'Afrique Centrale in Tervuren, with a key to the subfamily of African Pachygasterinae. (Ge) *Rev. Zool. Bot. Afr.* 73(3/4):351-384. Ref. June 30, 1966. 410 R326
Includes n. spp. in *Neopachygaster*, *Chrysochroma*, *Heraclina*, *Pediceolina*, and *Aspidacanthina* n. g., *Hypoxycera* n. g., *Psapharomydops* n. g.
- 14064 MAMAEV, B. M. New and little known Palaeartic gall midges of the tribe Porricomydini (Diptera, Cecidomyiidae). (Rus) *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(3):213-239. Ref. May 20, 1966. 420 C33
English summary.
Includes n. spp. in *Johnsomomyia*, *Dialactes*, *Wyattella* n. g., *Kromomyia*, *Diceromyia*, *Hilversidia* n. g., *Bryocrypta*, *Pseudepidosis* n. g., *Parepidosis*, and *Monopidosis* n. g.
- 14065 NIELSEN, E. T., and NIELSEN, H. T. Observations on mosquitoes in Greenland. *Meddelelser Gronland* 170(3), 26 p. Ref. 1966. 502 C792
Aedes nearcticus and *A. nigripes*.
- 14066 PARMENTER, L. Amendments to the list of British Diptera. *Entomol. Rec. J. Variation* 78(5):128-129. May 1966. 421 En89
- 14067 PEDERSEN, E. T. The parasite fly, *Servillia ursina* Meig. (Diptera), new to Denmark. (Da) *Flora Fauna* 72(3):90-92. Sept. 1966. 410 F662
English summary.
- 14069 PERFIL'EV, P. P. Moskity (semeistvo Phlebotomidae) [Flies (family Phlebotomidae)]. Fauna SSSR, *Nasekomye Dvukrylye* 3(2), 383 p. 1966. 428 P27
Bibliography, p. 196-237.
Chiefly taxonomy and biology.
- 14069 RICHARDS, O. W. New Sphaeroceridae (Diptera) from the Kivu district, with a revision of the genus *Aluligera* Richards. *Rev. Zool. Bot. Afr.* 73(3/4):201-254. Ref. June 30, 1966. 410 R326
New spp. in *Aluligera*, *Leptocera*, *Safaria*, and *Kabaria* n. g.
- 14070 RIOUX, J. A., JUMINER, B., and GIBILY, H. *Phlebotomus* (*Phlebotomus*) *chadlii* n. sp. (Diptera, Psychodidae). *Ann. Parasitol. Humaine Com.* 41(1):63-98. Ref. Jan./Feb. 1966. 436.8 An7
Text in French.
- 14071 ROBACK, S. S. A new *Procladius* species with description of the immature stages (Dipt., Chironomidae). *Entomol. News [Philadelphia]* 77(7):177-184. July 1966. 421 En88
Procladius wilhmi n. sp.
- 14072 SPENCER, K. A. Notes on the African Agromyzidae (Diptera). 6. *Entomol. Soc. Southern Afr. J.* 28(2):233-276. Ref. Dec. 31, 1965. 420 En86
Includes n. spp. in *Ophiomyia*, *Melanagromyza*, *Phytobia*, *Liriomyza*, *Pseudonapomyza*, and *Napomyza*.
- 14073 SPENCER, K. A. Some Agromyzidae (Diptera) from Sicily. *Entomol. Mon. Mag.* 101(1214/1216):172-177. Ref. July/Sept. 1965. 421 En86
- 14074 STACKELBERG, A. A. The main characteristics of the dipteran fauna of north-western Europe. *Notulae Entomol.* 45(4):145-148. Ref. 1965. 421 N84
- 14075 STEYSKAL, G. C. The genus *Eumecosomyia* Hendel (Diptera, Otitidae). *Entomol. Soc. Wash. Proc.* 68(2):100-102. June 1966. 420 W27
Includes *E. hambletoni* n. sp.
- 14076 THOMPSON, F. C. A new *Sphagina* from Nepal (Diptera: Syrphidae). *Brooklyn Entomol. Soc. Bull. (n.s.)* 59/60:42-45. 1964/65, distributed 1966. 420 B79
Sphagina hansonii n. sp.
- 14077 TJEDER, B. Notes on *Ormosia brevinervis* (Lundstr.) (Diptera, Tipulidae). *Notulae Entomol.* 45(4):149-153, map. 1965. 421 N84
Taxonomy and geographic distribution.
- 14078 TOKUNAGA, M. Biting midges of the *Palpomyiinae* from New Guinea (Diptera: Ceratopogonidae). *Pacific Insects* 8(1):101-152. May 10, 1966. 421 P11
Includes n. spp. in *Jenkinshelea*, *Heteromyia*, *Clinohela*, *Echinohelea*, *Xenohelea*, *Dicrohelea*, *Homohelea*, *Johannsenomyia*, *Palpomyia*, *Nilobezzia*, *Bezzia*, and *Probezzia*.
- 14079 VERDCOURT, B. *Oxycera dives* Low (Dipt., Stratiomyidae) in Inverness. *Entomol. Mon. Mag.* 101(1214/1216):216. July/Sept. 1965. 421 En86
- 14080 ZAITSEV, V. F. Revision of parasitic flies of the genus *Hemipenthes* Lw. (Diptera, Bombyliidae) from the Palearctic Region. (Rus) *Vses. Entomol. Obshch. Tr.* 51:157-205. Ref. 1966. 420 R92
Includes n. spp.

Hemiptera (Heteroptera and Homoptera)

- 14081 ALLEN, A. A. *Eupteryx tenella* Fall. (Hem., Cicadellidae) in southeast London—a probable addition to the Kent fauna. *Entomol. Mon. Mag.* 101(1214/1216):194. July/Sept. 1965. 421 En86
- 14082 ARNOUD, BROTHIER, *Ranatra linearis* L. (Du) *Naturhist. Genoot. Limburg. Naturhist. Maandbl.* 55(10):151-155. Oct. 26, 1966. 409.6 N213N
- 14083 CHENG, L. The Malayan pond-skaters [Gerriidae]. *Malayan Natur. J.* 19(2/3):115-123. Ref. Sept. 1965. 409.6 M29

- 14084 DRAKE, C. J. A new species of laeburg from China (Hemiptera: Tingidae). Biol. Soc. Wash. Proc. 79:135-137, Aug. 15, 1966. 500 W272
Hegesisdemus habrus n. sp.
- 14085 EASTOP, V. F. A taxonomic study of Australian Aphidoidea (Homoptera). Australian J. Zool. 14(3):399-592. Sept. 1966. 410 Au73
Bibliography, p. 552-561.
Includes n. spp. in Aphis and Casimira n. g.
- 14086 GALVAO, A. B., SILVA E SOUZA, A. H. D. A., and LIMA, R. R. D. Triatoma williamsi n. sp. (Hemiptera, Triatominae). (Por) Rev. Brasil. Malariol. Doencas Trop. 17(4):363-366. Oct./Dec. 1965. 448.8 R3283
- 14087 HOLMAN, J. Contributions to the taxonomy of the genus Aphis (Homoptera, Aphididae). I-II. Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(1):40-61; (2):91-110. Jan., Mar. 1966. 420 C33
Includes n. spp.
- 14088 KELTON, L. A. Two new species of Keltonia Knight, with a key to known species (Hemiptera: Miridae). Can. Entomol. 98(6):668-670. June 1966. 421 C16
Keltonia clinopodi n. sp. and K. knighti n. sp.
- 14089 LANSBURY, I., and LESTON, D. The distribution of Sigara striata (L.) (Hem., Corixidae) in Britain. Entomol. Mon. Mag. 101 (1214/1216):161-162, map. July/Sept. 1965. 421 En86
- 14090 LANSBURY, I. A revision of the Stenocephaliidae Dallas 1852 (Hemiptera-Heteroptera). Entomol. Mon. Mag. 101(1214/1216):145-160. (Concl.) Ref. July/Sept. 1965. 421 En86
Includes n. sp. in Dicrancephalus.
- 14091 LEONARD, D. E. Biosystematics of the Leucopertus complex of the genus Blissus (Heteroptera: Lygaeidae). Conn. Agr. Exp. Sta. Bull. 677, 47 p., map. Ref., p. 45-47. Mar. 1966. 100 C76st
- 14092 LOWE, A. D. Some records of aphids including six species not previously recorded from New Zealand. New Zeal. J. Sci. 9(2):357-360. June 1966. 514 N482
- 14093 MASSEE, A. M. A further capture of Xanthochilus quadratus (F.) (Hem., Lygaeidae) in Devon. Entomol. Mon. Mag. 101(1214/1216):202. July/Sept. 1965. 421 En86
- 14094 MASSEE, A. M. Two more additions to the list of Kent Hemiptera-Heteroptera. Entomol. Mon. Mag. 101(1214/1216):160. July/Sept. 1965. 421 En86
The mirids Strongylocoris luridus on Jasione montana and Macrolophus rubi on brambles.
- 14095 MUNTING, J. New and little known armoured scales (Homoptera: Diaspididae) from South Africa. 2. Entomol. Soc. Southern Afr. J. 28 (2):179-216. Ref. Dec. 31, 1965. 420 En86
New spp. in Andaspis, Aonidia, Dentachionaspis, Fulaspis, Rolaspis, Scleromytilus, Tar-gionia, and Tecaspis.
- 14096 NIELSON, M. W. A synopsis of the genus Col-ladonus (Homoptera: Cicadellidae). Kans. Entomol. Soc. J. 39(2):333-336. Ref. Apr. 1966. 420 K13
- 14097 ORSZAGH, I. A contribution to the study of Heteroptera fauna of "Jursky sur" and the adjacent slopes of the Little Carpathians. (Cz) Entomol. Probl. 6:37-75, map. Ref. 1966. QL461. E5
English summary.
Taxonomy and distribution.
- 14098 REYNE, A. Observations on some Indonesian scale insects. Tijdschr. Entomol. 108(6):145-188. Ref. 1965. 421 T21
Biology of Hippococcus and n. spp. in Clero-plastes, Drosicha, Monophlebulus and Buchne-ricoccus n. g.
- 14099 SCHAEFFER, C. W. An abdominal anomaly in a coreid (Hemiptera: Heteroptera), with some phylogenetic notes. Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:77-80. 1964/65, distributed 1966. 420 B79
- 14100 SCUDDER, G. G. E. Neocoryphus Scudder, a new genus of Lygaeinae (Hemiptera: Lygaei-dae). Entomol. Soc. Brit. Columbia. Proc. 62: 34-37. 1965. 420 B77
- 14101 TROLLE, L. New Danish cicadellids (Hemip-tera, Cicadellidae). (Da) Flora Fauna 72(3): 93-100. Sept. 1966. 410 F662
English summary.
- 14102 UESHIMA, N. Cytotaxonomy of the Triatominae (Reduviidae, Hemiptera). Chromosoma 18(1): 97-122. Ref. 1966. 442.8 C46
Includes meiosis.
- 14103 WAGNER, E. On the genus Teratocoris Fieber, 1858 (Heteroptera, Miridae). (Ge) Notulae Entomol. 45(4):138-144. 1965. 421 N84
- 14104 WOODROFFE, G. E. Charagochilus weberi Wagner (Hem., Miridae) new to Britain. Entomol. Mon. Mag. 101(1214/1216):200-201. July/Sept. 1965. 421 En86
- 14105 WOODROFFE, G. E. Piesma spargulariae sp. n. (Hem. Piesmatidae) from the Isles of Scilly. Entomologist [London] 99(1235):107-110. Apr. 1966. 421 En8
- 14106 WOODROFFE, G. E. A record of Cymus glan-dicolar Hahn (Hem., Berytinidae) from chalk grassland. Entomol. Mon. Mag. 101 (1214/1216):188. July/Sept. 1965. 421 En86
- 14107 ZAK-OGAZA, B. A note on some scale insects (Homoptera, Coccoidea) of the Hungarian fauna. Acta Agron. [Budapest] 15(1/2):79-83. Ref. 1966. 19 Ac8

Hymenoptera

- 14108 ANNECKE, D. P. Records and descriptions of African Encyrtidae. 3. (Hymenoptera: Chalcidoidea). Entomol. Soc. Southern Afr. J. 28(2): 217-229. Dec. 31, 1965. 420 En86
New spp. in Ooencyrtus, Neocladia, Micro-terys, and Metaphycus from the Republic of South Africa.
- 14109 BOHART, R. M. New species of cuckoo wasps bred from twigs in Western North America (Hymenoptera; Chrysididae). Biol. Soc. Wash. Proc. 79:131-134. Aug. 15, 1966. 500 W272
Trichrysis devosor, n. sp., Chrysis barri n. sp., and Chrysis irwini n. sp.
- 14110 BOHART, R. M. Withdrawal of application for the designation of a type-species for Stizus Latreille (1802-1803). Z.N. (S.) 1710. Bull. Zool. Nomencl. 23(1):7-8. Apr. 29, 1966. 410 B874
- 14111 BURKS, B. D. Comment on the proposed designation of a type-species for Prospaltella Ashmead, 1904. Z.N. (S.) 1713. Bull. Zool. Nomencl. 23(1):11. Apr. 29, 1966. 410 B874
- 14112 BUSCHINGER, A. Leptothorax (Mychothorax) kutteri n. sp., a social parasite of ants (Hymenoptera, Formicidae). (Ge) Insectes Soci-iaux 12(4):327-334. Dec. 1965. 421 In79
English summary.
Parasite of Leptothorax (Mychothorax) acer-vorum.
- 14113 CARLSON, R. W. A new Nearctic Triclistus (Hymenoptera: Ichneumonidae). Mich. Entomol. 1(1):20-22. July 1966. QL461. M5
Triclistus minutus n. sp.
- 14114 DASCH, C. E. Ichneumon-flies of America north of Mexico. 5. Subfamily Diplazoninae. Amer. Entomol. Inst. Mem. 3, 304 p., map. Ref. 1964. 420 Am34
Chiefly parasites of Syrphidae including Xestopelta n. g. and n. spp. in Diplazon, Syr-phophilus n. g., Tyrmophorus, Homotropus, Enizemum, Syrphoctonus, Campocraspedon, Phthorima, Promethes, and Sussaba.
- 14115 DE BACH, P. Some species of Aphytis Howard (Hymenoptera: Aphelinidae) in Greece. Inst. Phytopathol. Benaki, Ann. (n.s.) 7(1):5-18. 1964. 464.9 At4
- 14116 DOUTT, R. L. Studies of two parasites of olive scale, Parlatoria oleae (Colvee). I. A taxonomic analysis of parasitic Hymenoptera reared from Parlatoria oleae (Colvee). Hil-gardia 37(9):219-231. Ref. Mar. 1966. 100 C12H
Includes Coccophagoides comperi n. sp., C. utilis n. sp., and Anthemus inconspicuus n. sp.

- 14117 DZHANELIDZE, B. M. Ichneumonidae (Hymenoptera) found for the first time in Georgia. (Geo) Akad. Nauk Gruz. SSR. Soobshch. 43 (3):745-746. Sept.1966. 511 Ak146
Russian summary.
- 14118 FELTON, J. C. *Pristiphora breadalbanensis* (Cam.) (Hym., Tenthredinidae) in Wales. Entomol. Mon. Mag. 101(1214/1216):194. July/Sept.1965. 421 En86
- 14119 GUIGLIA, D. Hymenoptera Scolioidae; results of the scientific expedition of Dr. Fred Keiser to Ceylon. (It) Naturforsch. Ges. Basel. Verhandl. 76(2):315-324. Ref. Dec.31,1965. 508 B29
- 14120 HELLEN, W., and DESSERT, P. A contribution to the study of Proctotrupoidea (Hymenoptera). VIII. Two new Aphanogmus species from Finland. (Fr) Notulae Entomol. 45(4):105-112. 1965. 421 N84
English summary.
Aphanogmus polymorphus n. sp. and Aphanogmus dolichocerus n. sp.
- 14121 HOGH, G. Local distribution of a fern [*Pteridium aquilinum*] sawfly *Strongylogaster multicinctus* (Hymenoptera: Tenthredinidae). Kans. Entomol. Soc. J. 39(2):347-354. Apr.1966. 420 K13
Michigan.
- 14122 KENNEDY, P. C. A new species of Mnioes (Hymenoptera; Ichneumonidae) from the United States. Mich. Entomol. 1(1):17-19. July 1966. QL461.M5
Mnioes lunatus n. sp.
- 14123 KLUG, B. Hymenoptera of Tuniberg, Mooswald and Rieselfeld; a comparative faunistic and ecological study of the three extreme biotypes of the southern part of the Upper Rhine valley. (Ge) Freiburg. Naturforsch. Ges. Ber. 55(1):5-225, map. Ref. June 1965. 509 F88B
Includes collecting.
- 14124 MENKE, A. S., BOHART, R. M., and VECHT, J. VAN DER. *Podalonia Spinola*, 1853 (Hymenoptera, Sphecidae): proposed suppression under plenary powers in favour of *Podalonia Fernald*, 1927, with *Amorphila violaceipennis* Lepelletier, 1845, as type species. Z.N.(S.) 1712. Bull. Zool. Nomencl. 23(1):48-51. Apr.29,1966. 410 B874
- 14125 NIKOL'SKAYA, M. N., and YASNOSH', V. A. Afelinidy evropeiskoi chasti SSSR i Kavkazra (Chalcidoidea, Aphelinidae) [Aphelinidae of European USSR and the Caucasus (Chalcidoidea)]. Akad. Nauk SSSR. Zool. Inst. Opredeletel' Faune SSSR 91,294 p. Ref. 1966. 410.9 P444
Includes n. spp. in *Aphytis*, *Physcus* and *Coccophagus*.
- 14126 PERKINS, J. F. Comments on the type-species of *Trypichostus* Foerster, 1868. Z.N.(S.) 1712. Bull. Zool. Nomencl. 23(1):8. Apr.29, 1966. 410 B874
- 14127 RAO, B. R. S., and RAMAMANI, S. Biology of *Cirrospiloideus phyllocnistoides* (Narayanan) and description of a new species, *Scotolinx quadristriata* (Hymenoptera: Eulophidae) as parasites of *Phyllocnistis citrella* Stainton. Indian J. Entomol. 27(4):408-413. Dec.1965. 420 In23
- 14128 RATTINK, H. Het geslacht *Tenthredo* Linne, 1746 (Hym., Tenth.). in *Nederland [The genus Tenthredo Linne, 1746 (Hym., Tenth.) in the Netherlands]*. Ned. Natuurhist. Ver. Wetensch. Mededel. 62.40 p. map. Ref. Mar.1966. 410.9 N28
English summary.
Includes geographic distribution.
- 14129 RICHARDS, O. W., and WALOFF, N. Some records of *Mymaridae* (Hymenoptera, Chalcidoidea) from Silwood Park, Berks. Entomol. Mon. Mag. 101(1214/1216):202. July/Sept.1965. 421 En86
- 14130 SNELLING, R. R. Studies on North American bees of the genus *Hylaeus*. 2. Description of a new subgenus and species (Hymenoptera; Colletidae). Biol. Soc. Wash. Proc. 79:139-144. Aug.15,1966. 500 W272
Hylaeus (*Prospella*) n. sgen., and *Hylaeus hurdi* n. sp.
- 14131 VALENTINE, E. W. A new species of *Centrodora* (Hymenoptera, Aphelinidae) parasitic upon the eggs of *Scolypopa australis* Walker (Hemiptera, Ricaniidae). New Zeal. J. Sci. 9(2):331-335. June 1966. 514 N482
Centrodora scolypopae n. sp.
- 14132 YOSHIMOTO, C. M. The Hawaiian Thysaninae (Hym.: Chalcidoidea: Encyrtidae). Pacific Insects 7(4):703-704. Dec.30,1965. 421 P11

Lepidoptera

- 14133 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 78(5,sup.):295-(299). (Cont.) May 1966. 421 En89
- 14134 COUCHMAN, L. E. Comment on the proposed designation of a type-species for *Pithecopis* Horsfield, 1828. Z.N.(S.) 1675. Bull. Zool. Nomencl. 23(1):6-7. Apr.29,1966. 410 B874
- 14135 DE WORMS, C. G. M. British Lepidoptera collecting, 1965. Entomologist [London] 99 (1235):98-105. Apr.1966. 421 En8
- 14136 DICKSON, C. G. C. A new species of *Poecilmitis* Butler (Lepidoptera, Lycaenidae) from the Great Karroo. Entomol. Rec. J. Variation 78(5):109-110. May 1966. 421 En89
Poecilmitis beaufortia n. sp.
- 14137 DIERL, W. *Lindneria semireducta* gen. et spec. nov. (Lep. Psychidae); eine neue bemerkenswerte Psychide aus Südafrika [a new, noteworthy psychid from South Africa]. Opusc. Zool. 85,8 p. Dec.15,1965. 410 Op7
- 14138 DUFAY, C. *Amata mariana albionica* subsp. nov.; new observations on this species in Upper Provence (Lep. Ctenuchidae). (Fr) Entomops 3:93-97. First Q. 1965. QL461.E53
- 14139 DUJARDIN, F. Descriptions of new subspecies and forms of *Zygaena* F. from Western and southern Europe and North Africa. 3. (Fr) Entomops 1:16-22. First Q. 1965. QL461.E53
- 14140 DUJARDIN, F. Description of a new subspecies of *Lycia isabellae* Harr., [*L. i. strobilini*] new species for France (Lep. Geometridae). (Fr) Entomops 1:3-7. First Q. 1965. QL461.E53
- 14141 DUJARDIN, F. Descriptions of new subspecies and forms of *Zygaena* F. from Western and southern Europe and North Africa. (Fr) (Concl.) Entomops 2:33-64. First Q. 1965. QL461.E53
- 14142 DUJARDIN, F. *Papilionidea*: species from France and sub-species from the Alpes-Maritimes. (Fr) Entomops 3:77-92. First Q. 1965. QL461.E53
- 14143 EVANS, G. O., and CHINA, W. E. *Coenonympha ochracea* Edwards, 1861 (Insecta, Lepidoptera): designation of a neotype under the plenary powers. Bull. Zool. Nomencl. 23(1):31-32. Apr.29,1966. 410 B874
- 14144 HACKRAY, J. Fauna of Belgium; new acquisitions of Lepidoptera. (Fr) *Lambillionea* 65(7/8):75-76. May 25,1966. 420 N15
- 14145 HERBULOT, C. Description of three new *Geometridae* from the Congo. (Fr) *Lambillionea* 65(7/8):72-75. May 25,1966. 420 N15
Nopia pectinata n. sp., *Geolyces polyglena* n. sp., *Miantochora fontanei* n. sp.
- 14146 HOLST, P. L., and PALLESEN, G. Finds of Microlepidoptera in Denmark in 1964. (Da) Flora Fauna 71(4):162-164. Dec.1965. 410 P662
- 14147 JANMOULLE, E. New species for the Belgian fauna. (Fr) *Lambillionea* 65(7/8):49-50. (Cont.) May 25,1966. 420 N15
Mompha nodicolella.
- 14148 KAABER, S., and NORGAARD, I. Finds of Macrolepidoptera in Denmark in 1965. (Da) Flora Fauna 72(3):119-124. Sept.1966. 410 P662
- 14149 LÆVER, E. DE. A few notes on the fauna of the Ordesa Valley. Lepidoptera. (Fr) *Lambillionea* 65(7/8):67-72. May 25,1966. 420 N15
- 14150 LÆVER, E. DE. *Scopula confinaria* H. Schiff., f. *sacrarbia* B. Haas. *Lambillionea* 65 (7/8): 50-51. May 25,1966. 420 N15
Text in French.

- 14151 LARSEN, K. *Eucosma aspidiscana* Hb., a torcid moth new to the Danish fauna. (Da) Flora Fauna 72(3):110. Sept. 1966. 410 F662
- 14152 LEINFEST, J. Two new subspecies of *Zygaena* from the Besses-Alpes. (Fr) Entomops 3:74-76. First Q. 1965. QL461.E53
Of *Zygaena erythrus* and *Z. charon*.
- 14153 LEUSCHNER, R. H. California coastal *Eupithecia* with description of a new species (Geometridae). J. Res. Lepidoptera 4(3):191-197. Sept. 1965. 421 J827
Eupithecia karenae n. sp.
- 14154 OBRAZTSOV, N. S. The genera of Palearctic Tortricidae. III. Additions and corrections. 2. (Ge) Tijdschr. Entomol. 108(1):1-40. Ref. 1965. 421 T21
English summary.
Includes Kawabeia n. g.
- 14155 POVOLNY, D. A type revision of some Old-World species of the tribe Gnorimoschemini with a special regard to pests (Lepidoptera). Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(2):128-148. Ref. Mar. 20, 1966. 420 C33
Includes *Ephysteris* (Ochrodia) n. sgen. and *Synthesiopalpa* n. g.
- 14156 REIPRICH, A. Further discoveries of butterflies in the region of "Slovensky raj" and the neighborhood of Spisska Nova Ves. (Cz) Entomol. Probl. 6:125-153. Ref. 1966. QL461.E5
English summary.
Collecting and taxonomy.
- 14157 ROUGBOT, P. C. Two Orthogoniopitulum (Lepidoptera, Attacidae) new in Gabon. (Fr) Biol. Gabonica 1(3):273-276. 1965, 410 B523
Includes n. spp.
- 14158 SCHMIDT-KOEHL, W. New contributions on the Macrolepidoptera fauna of Upper Andalusia in the Provinces of Granada, Almeria and Malaga (South Spain). (Ge) Entomol. Z. 76(1/2):1-15. Ref. Jan. 15, 1966. 421 En85
- 14159 SUTTON, S. L. South Caspian insect fauna, 1961. II. Migration, status and distribution of certain insect species in northern Persia. Roy. Entomol. Soc. London. Trans. 118(3):51-72, map. Ref. June 17, 1966. 420 L84
Lepidoptera and Odonata.
- 14160 TAYLOR, J. S. Notes on Lepidoptera in the Eastern Cape Province. 5. Entomol. Soc. Southern Afr. J. 28(2):137-154. Ref. Dec. 31, 1965. 420 En86
Includes host plants and taxonomic description.
- 14161 VIETTE, P. New or little known Noctuidae from Madagascar (Lepidoptera). I. (Fr) Lambillionea 65(7/8):51-66. May 25, 1966. 420 N15
Includes n. spp. in *Polyesdesma*, *Rhynchodes*, *Marcipa*, *Paralephana*, *Deinhyena*, *Ugia*, *Melanophthalma*, *Antiopebia*, *Episaris*, *Singara* and *Marapana*.
- 14162 VIETTE, P. Trifid noctuids (Lep. Noctuidae) collected by Dr. Fred Keiser in Madagascar. (Fr) Naturforsch. Ges. Basel. Verhandl. 76(2):269-274. Dec. 31, 1965. 508 B29
- 14163 WILKINSON, R. S. The invention of "sugaring" for moths in nineteenth-century England. Mich. Entomol. 1(1):3-11. Ref. July 1966. QL461.M5
- Orthoptera**
- 14164 BEIER, M. The African species of the *Amytta* Karsch genus group. (Saltatoria, Tettigoniidae, Meconeminae). (Ge) Beitr. Entomol. 15(3/4):203-242. Oct. 1965. 421 B392
English summary.
Includes *Amyttosia* n. g., *Gonamytta* n. g. and n. spp. in *Amyttina* n. g., *Amyttella* n. g., *Proamytta* n. g., *Amytta* n. g., *Amyttopsis* n. g., *Amytta*, and *Aneipetia*.
- 14165 ROY, R. Focusing on the genus *Prohierodula* (Insecta, Mantodea). (Fr) Biol. Gabonica 1(3):289-296. 1965. 410 B523
Prohierodula laticollis, *P. grassei*, and *P. ornatiipennis*.
- 14166 WALKER, T. J. Cricket songs reveal new species. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):10-12. July 1966. 100 F66Su
- Smaller Orders**
- 14167 BALINSKY, B. I. A new species of *Orthetrum* (Odonata) from Southern Africa. Novos Taxa Entomol. 39:3-7. Mar. 1965. 421 N853
Orthetrum robustum n. sp.
- 14168 EMERSON, K. C., and STOJANOVICH, C. J. A new species of Mallophaga from the water mongoose. Kans. Entomol. Soc. J. 39(2):313-315. Apr. 1966. 420 K13
Fellicola rahmi n. sp.
- 14169 FISCHER, F. C. J. Trichopterorum catalogus. Vol. VI. Calamoceratidae, Philorheithridae, Odontoceridae, Leptoceridae. I. Amsterdam, 1965. 242 p. Ref. 432 T73
- 14170 LANGFORD, T. E. Mayflies (Ephemeroptera) in Lincolnshire. Entomol. Mon. Mag. 101 (124/1216):189-191. July/Sept. 1965. 421 En86
- 14171 LIEFTINCK, M. A. *Macromia splendens* (Pictet, 1843) in Europe with notes on its habits, larva, and distribution (Odonata). Tijdschr. Entomol. 108(2):41-59. Ref. 1965. 421 T21
- 14172 LIEFTINCK, M. A. Notes on Odonata of Madagascar, with special reference to the Zygoptera and with comparative notes on other faunal regions. Naturforsch. Ges. Basel. Verhandl. 76(2):229-256. Ref. Dec. 31, 1965. 508 B29
Includes n. spp. in *Nesolestes*, *Protolestes*, *Platycnemis*, and *Agriocnemis*.
- 14173 LIEFTINCK, M. A. Some Odonata of Rapa Island, with descriptions of three Polynesian species of *Ischnura* Charpentier. Tijdschr. Entomol. 109(4):39-102. 1966. 421 T21
Ischnura thelmiae n. sp., *Ischnura taitensis* and *Ischnura spinicauda*.
- 14174 MEINANDER, M. List of the Plecoptera of eastern Fennoscandia. Soc. Fauna Flora Fenn. Fauna Fenn. 19, 38 p., map. Ref. 1965. 511 S01
- 14175 PAULSON, D. R. New records of Bahamian Odonata. Fla. Acad. Sci. Quart. J. 29(2):97-110. Ref. June 1966. 500 F66
- 14176 PINHEY, E. Notes on African Odonata, particularly type material. Rev. Zool. Bot. Afr. 73 (3/4):283-308. June 30, 1966. 410 R326
Includes n. spp. in *Macromia*.
- 14177 POPHAM, E. J. Genera and species of the Dermaptera, 1. Introduction and the Parisolabinae. Entomologist [London] 99(1236):132-135. Ref. May 1966. 421 En8
- 14178 RIES, M. D., and CRUDEN, W. New records for *Anax longipes* Hagen (Odonata). Entomol. News [Philadelphia] 77(7):187-188. July 1966. 421 En88
Virginia and Oklahoma.
- 14179 ROONWAL, M. L., and MAITI, P. K. First record of termite genus *Postelectrotermes* (Kalotermitidae) from India, with description of a new species. Indian J. Entomol. 27(3):255-261. Sept. 1965. 420 In23
Postelectrotermes bhimi n. sp.
- 14180 ROOT, D. W. A new Northeastern caddisfly species of the genus *Phylocentropus* (Trichoptera: Psychomyiidae). Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:85-87. 1964/65, distributed 1966. 420 B79
Phylocentropus hansonii n. sp.
- 14181 SOWA, R., and GRODZINSKI, Z. *Brachyptera starmachi* n. sp. Plecoptera recently found in the Carpathian Mountains. (Fr) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(6):427-432. 1966. 512 W262
- 14182 THORNTON, I. W. B., and HARRELL, J. C. Air-borne Psocoptera trapped on ships and aircraft. 2. Pacific ship trappings, 1963-64. Pacific Insects 7(4):700-702. Dec. 30, 1965. 421 P11
- 14183 TRAVER, J. R. A new species of the subgenus *Iron* from Mexico (Ephemeroptera: Heptageniidae). Brooklyn Entomol. Soc. Bull. (n.s.) 59/60:23-29. 1964/65, distributed 1966. 420 B79
Epeorus (Iron) *metlacensis* n. sp.

- 14184 WISEMAN, J. S. A new species of *Osborniella* (Mallophaga: Menoponidae) from Trinidad. *Kans. Entomol. Soc. J.* 39(2):355-356. Apr. 1966. 420 K13
Osborniella clayae n. sp.
- 14185 YAMAMOTO, T., and ROSS, H. H. A phylogenetic outline of the caddisfly genus *Mysticidae* (Trichoptera: Leptoceridae). *Can. Entomol.* 98 (6):627-632. Ref. June 1966. 421 C16
 Includes n. spp.
- INSECT CONTROL
- 14186 ABEZGAUZ, I. Z., and others. Quantitative determination of the commercial chlorophors content in aqueous solutions. (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 7:29-31. July 1966. 448.3 Z4
 A. I. Tunik, A. I. Ionova, and S. E. Emelina, joint authors.
 English summary.
- 14187 ABOUL-NASR, A. Effect of some chemicals upon the heart of the German cockroach, *Blattella germanica* (L.) (Orthoptera: Blattidae). *Soc. Entomol. Egypte, Bull.* 48:95-102. Ref. 1964, pub. 1965. 420 Eg9
 Carbon tetrachloride, ammonium hydroxide and DDT.
- 14188 ADAMOVIC, V. M. Aromatic amines as spray reagents in the thin-layer chromatography of chlorinated organic pesticides. *J. Chromatography* 23(2):274-279. Ref. July 1966. 475 J824
- 14189 AFFIFI, A. M. Bioassay of three bacterial insecticides on the base of *Bacillus thuringiensis* Berliner, using its original host *Anagasta kuhniella* Z. as a test insect. *Soc. Entomol. Egypte, Bull.* 48:103-109. Ref. 1964, pub. 1965. 420 Eg9
- 14190 ANDERSON, R. F., and ROGOFF, M. H. Crytalliferous bacteria as insect toxicants. *Advances Chem. Ser.* 53:65-79. Ref. 1966. 381 Ad93
Bacillus thuringiensis.
- 14191 ANDREEV, S. V., MARTENS, B. K., and MOLCHANOVA, V. A. Light traps and their application in practice and in research work. (Rus) *Zool. Zhur.* 45(6):850-857. 1966. 410 R92
 English summary.
 Chiefly for pest control and collections.
- 14192 BALLSCHMITTER, K., and TOLG, G. Metabolism of Thiodan® insects. (Ge) *Angew. Chem.* 78(16):775-776. Aug. 21, 1966. 384 Z33
 Tested on *Pachytius migratoria* migratorioides.
- 14193 BECKMAN, H., and ALLEN, P. T. Analysis of pyrethrins. *Advances Chem. Ser.* 53:51-64. Ref. 1966. 381 Ad93
- 14194 BECKMAN, H., and WINTERLIN, W. Separation and detection of submicrogram quantities of pesticides by an improved TLC [thin-layer chromatography] technique. *Bull. Environ. Contamination Toxicol.* 1(3):78-85. May/June 1966. RA1270, P35A1
 Organic phosphorus insecticides.
- 14195 BEIRNE, B. P. The Research Institute, Belleville. *Can. Dep. Agr. Res. Br. Entomol. Newslett.* 44(10):1-2. Oct. 1, 1966. 423.92 C16
 A one-subject, one-objective Institute, devoted to insect pest control.
- 14196 BEVENUE, A., and BECKMAN, H. The examination of toxaphene by gas chromatography. *Bull. Environ. Contamination Toxicol.* 1(1):1-5. Jan./Feb. 1966. RA1270, P35A1
 Insecticide residues.
- 14197 BILLINGS, S. C. Consolidated list of approved common names of insecticides and certain other pesticides. *Entomol. Soc. Amer. Bull.* 12 (3):356-357. Sept. 1966. 423.9 En8
 Additions of proprietary and common names as approved by the Insecticide Terminology Committee of the Entomological Society of America.
- 14198 BROOKS, G. T. Progress in metabolic studies of the cyclodiene insecticides and its relevance to structure-activity correlations. *World Rev. Pest Contr.* 5(2):62-84. Summer 1966. 79.8 W89
 Review of the literature.
- 14199 CANTWELL, G. E., and FRANKLIN, B. A. Inactivation by irradiation of spores of *Bacillus thuringiensis* var. *thuringiensis*. *J. Invertebrate Pathol.* 8(2):256-258. June 1966. 421 J826
- 14200 DAVIS, B. N. K., and HARRISON, R. B. Organochlorine insecticide residues in soil invertebrates. *Nature [London]* 211(5056):1424-1425. Sept. 24, 1966. 472 N21
 Includes insects, chiefly Carabidae.
- 14201 GILLESPIE, D. M. Some toxic effects of malathion on *Daphnia*. *Mont. Acad. Sci. Proc.* 24: 11-17. Ref. 1964, pub. 1965. 500 M762
Daphnia magna.
- 14202 HOLMES, K. C., and MONRO, R. E. Studies on the structure of parasporal inclusions from *Bacillus thuringiensis*. *J. Mol. Biol.* 14(2): 572-581. Ref. Dec. 1965. 442.8 J8224
- 14203 IBRAHIM, F. B., and CAVAGNOL, J. C. Insecticide determinations: ultraviolet spectrophotometric method for fenitrothion. *J. Agr. Food Chem.* 14(4):369-371. July/Aug. 1966. 381 J8223
- 14204 JACOBSON, M. Natural insect attractants and repellents, new tools in pest control. *Advances Chem. Ser.* 53:17-26. Ref., p. 24-26. 1966. 381 Ad93
- 14205 JEGINA, K. Mechanism of the effect of insecticides on the development of sex cells in click beetles. (Rus) *Latv. PSR Zinat. Akad. Vestis* 7:80-84. Ref. 1966. 511 R442
 English summary.
 Vofatox and hexachlorane used.
- 14206 KEILBACH, R. Die tierischen Schädlinge Mitteleuropas mit kurzen Hinweisen auf ihre Bekämpfung [The animal pests of central Europe with brief suggestions for their control]. Jena, Fischer, 1966. 764 p. SB931.K4
 Bibliography, p. 670-733.
 Chiefly arthropods but includes rodents and nematodes.
- 14207 LABRECQUE, G. C. Status of research with chemosterilants. *Ass. Southern Feed, Fert. Pesticide Contr. Off. Off. Publ.*, 1964/65: 69-71. 389.79 As7
- 14208 LEE, D. F., and others. Interference with the determination of aldrin and benzene hexachloride residues by gas chromatography. *Nature [London]* 211(5048):521-522. July 30, 1966. 472 N21
 J. Britton, B. Jeffcoat, and R. F. Mitchell, joint authors.
- 14209 LESKI, R. Studies on the different susceptibility of red spiders to acaricides and the cholinesterases in red spiders as influenced by acaricides; final technical report, Dec. 5, 1960-Dec. 5, 1965. *Skjerniewice*, 1965. various paging. SB951.L4
 Project No.-E21-ENT-5; Grant No.-FG-PO-115.
- 14210 MCCURDY, B. Pyrethrum: nature's own insecticide. *Int. Trade Forum* 2(3):31-32, 38. Sept. 1966. 286.8 In84
 Industry.
- 14211 MENZIE, M. Metabolism of pesticides. *U. S. Fish Wildlife Serv. Spec. Sci. Rep. Wildlife* 97, 274 p. May 1966. 156.2 Sp33
 Bibliography, p. 177-265.
 Includes deterioration in insects, plants, and animals.
- 14212 MONTOYA, E. L., and IGNOFFO, C. M. Laboratory technique and apparatus for testing viruses applied as dusts. *J. Invertebrate Pathol.* 8(2):251-254. June 1966. 421 J826
 Nuclear polyhedrosis virus of *Heliothis zea* and *H. virescens*.
- 14213 MOORE, J. B. Chemistry and biochemistry of pyrethrins. *Advances Chem. Ser.* 53:39-50. Ref. 1966. 381 Ad93
- 14214 MUSTAFA, A., and others. Insecticide determination: Colorimetric determination of O,O-dimethyl (1-hydroxy-2,2,2-trichloroethyl) phosphonate and its higher homologs. *J. Agr. Food Chem.* 14(5):503-505. Ref. Sept./Oct. 1966. 381 J8223
 M. M. Sidky, Z. I. El-Darawy, and H. Kamel, joint authors.

- 14215 NELSON, S. O. Electromagnetic energy, new ways to control insects. *Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home* 13(2):15-16. Summer 1966. 100 N27N
- 14216 OTT, D. E., and GUNTHER, F. A. Automated determination of orthophosphate: an application designed especially for the combusted product of organophosphorous pesticide residues. *Bull. Environ. Contamination Toxicol.* 1(3):90-96. May/June 1966. RA1270.P35A1
- 14217 PAYNE, L. K., STANSBURY, H. A., and WEIDEN, M. H. J. Insecticide synthesis: the synthesis and insecticidal properties of some cholinergic trisubstituted acetalsdehyde O-(methylcarbamoyl) oximes. *J. Agr. Food Chem.* 14(4):356-365. Ref. July/Aug. 1966. 381 J823
- 14218 PIEDADE, J. R., YONEDA, H., and SOUZA, D. DE. A. Chemical analysis of carbamate pesticides. (Por) *Biologico* 31(10):220-221. Oct. 1965. 442.8 B529
Insecticides.
- 14219 WINTERINGHAM, F. P. W., and FOWLER, K. S. Substrate and dilution effects on the inhibition of acetylcholinesterase by carbamates. *Biochem. J.* 101(1):127-134. Ref. Oct. 1966. 382 B52
- 14220 ZWEIF, G., and HITT, J. Rapid screening for the detection of organophosphate pesticides for water quality surveillance. *N. Y. State Dep. Health. Res. Rep.* 13, 29 p. May 1966. 292.9 N483F
A research report fulfilling contract No. C19019.
- Pests of Animals and Man
- 14221 APTE, F. I. C. Summary of recent abstracts. VII. Rickettsial diseases. *Trop. Dis. Bull.* 63(8):825-832. Aug. 1966. 448.8 T752
Includes insect vectors.
- 14222 BAIN, O. Biological particularities of the filaria *Dipetalonema vitae* in the intermediate host. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 265(8):657-659. Aug. 22, 1966. 505 P21
In *Ornithodoros tartakovskyi*.
- 14223 BALAZS, T., and KUPFER, D. Effect of DDT on the metabolism and production rate of cortisol in the guinea pig. *Toxicol. Appl. Pharmacol.* 9(1):40-43. July 1966. 391.8 T662
- 14224 BALL, G. H. Adaptation of the malarial parasite, particularly to its insect host. *Biol. Colloq. [Proc.]*, 26th Annu. Colloq.:73-96. Ref. 1965, pub. 1966. 442.9 B524
Plasmodium relictum and host *Culex tarsalis*.
- 14225 BARKER, P. S., and MORRISON, F. O. The basis of DDT tolerance in the laboratory mouse. *Can. J. Zool.* 44(5):879-887. Ref. Sept. 1966. 470 C16D
Lipid content.
- 14226 BARON, R. L., CASTERLINE, J. L., and ORZEL, R. In vivo effects of carbamate insecticides on mammalian esterase enzymes. *Toxicol. Appl. Pharmacol.* 9(1):6-16. Ref. July 1966. 391.8 T662
- 14227 BLAGI, F., BIAGI, A. M. DE B. DE, and BELTRAN, H., F. Hourly activity of anthropophilic *Phlebotomus* in the Yucatan Peninsula. (Sp) *Rev. Invest. Salud Publica* 26(1):73-77. Jan./Mar. 1966. 449.9 M572
English summary.
In relation to leishmaniasis caused by *Leishmania mexicana*.
- 14228 BRADY, U. E., and STERNBURG, J. Recovery of cholinesterase activity in organophosphate-treated insects. *J. Insect Physiol.* 12(9):1171-1185. Ref. Sept. 1966. 421 J825
Musca domestica and *Periplaneta americana*.
- 14229 BRYUKHANOVA, L. V., and DARSKAYA, N. F. Observations on marmot fleas, *Ceratophyllus tesquorum* and *Neopsylla setosa* during hibernation of their hosts. (Rus) *Mater. Poznaniya Fauny Flory SSSR. Novaya Ser. Otd. Zool.* 40(7):145-176. 1965. 411 M411
English summary.
- 14230 BUCHERL, W. *Latrodectus* and *latrodectism* in South America. I. Description of the male population of *Latrodectus Walckener*, 1805, from the beaches of Rio de Janeiro and Guanabara. (Por) *Butantan. Inst. Mem.* 32:95-99. 1965. 448.9 B97
English summary.
- 14231 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts. VI. Plague. *Trop. Dis. Bull.* 63(7):721-728. July 1966. 448.8 T752
Xenopsylla cheopis as vector.
- 14232 BUSSIERAS, J. Existence in France of some cases of cattle pediculosis with *Solenopotes capillatus*. (Fr) *Rev. Med. Vet. [Toulouse]* 29(3):209-212. Ref. Mar. 1966. 41.8 R32
English summary.
- 14233 CASALS, J., and others. A current appraisal of hemorrhagic fevers in the USSR. *Amer. J. Trop. Med. Hyg.* 15(5):751-764, map. Sept. 1966. 448.8 Am326
H. Hoogstraal, K. M. Johnson, A. Shelokov, N. H. Wiebenga, and T. H. Work, joint authors.
Includes wildlife reservoirs and arthropod vectors.
- 14234 CHAUDHURI, R. P. Some insect tormentors of livestock. II. Black-flies, louse-flies, and mosquitoes. *Indian Livestock* 3(3):17-19. July/Sept. 1965. 49 In23
Includes chemical control.
- 14235 CHIN, W., CONTACOS, P. G., and BUXBAUM, J. N. The transmission of a West African strain of *Plasmodium ovale* by *Anopheles freeborni* and *Anopheles maculatus*. *Amer. J. Trop. Med. Hyg.* 15(5):690-693. Ref. Sept. 1966. 448.8 Am326
To man.
- 14236 CHRISTENSEN, J. F., and HOWARTH, J. A. Anaplasmosis transmission by *Dermacentor occidentalis* taken from cattle in Santa Barbara County, California. *Amer. J. Vet. Res.* 27(120):1473-1475. Sept. 1966. 41.8 Am3A
- 14237 COLEMAN-COOKE, J. The harvest that kills; an urgent warning about man's use of toxic chemicals on the land. London, Odhams, 1965. 208 p. Ref. SB959.C6
Toxicity of insecticides to wildlife.
- 14238 COLLINS, W. E., and others. Blood parasites of birds at Wateree, South Carolina. *J. Parasitol.* 52(4):671-673. Aug. 1966. 448.8 J824
G. M. Jeffery, J. C. Skinner, A. J. Harrison, and F. Arnold, joint authors.
Includes Simuliidae and mosquitoes as vectors.
- 14239 CWILICH, R., and HADANI, A. Poultry lice in Israel. *Refuah Vet.* 23(1):66-63. Mar. 1966. 41.8 R25
Text also in Hebrew.
- 14240 DERBENEVA-UHOVA, V. P., LINEVA, V. A., and DROBOZINA, V. P. The development of DDT-resistance in *Musca domestica* and *Protophormia terraenovae*. *World Health Organ. Bull.* 34(6):939-952. Ref. 1966. 449.9 W892R
- 14241 DIAZ NAJERA, A. Tropical mosquitoes of Mexico. (Sp) *Rev. Invest. Salud Publica* 26(1):57-59. Jan./Mar. 1966. 449.9 M572
English summary
Vectors of arthropod borne viruses.
- 14242 EICHLER, W. Biological hazards from environmental poisoning caused by insecticides and the responsibility of the biologists. (Ge) *Biol. Rundsch.* 3(5/6):227-241. Ref. 1965. 442.8 B5272
- 14243 EMERSON, T. E., and HINSHAW, L. B. Peripheral vascular effects of the insecticide endrin. *Can. J. Physiol. Pharmacol.* 43(4):531-539. Ref. July 1965. 444.8 C16
Dogs.
- 14244 FOX, I., FOX, R. I., and BAYONA, I. G. Fleas feed on lizards in the laboratory in Puerto Rico. *J. Med. Entomol.* 2(4):395-396. Jan. 1966. 421 J828
Ctenocephalides felis and *Xenopsylla cheopis*.
- 14245 GABRIEL, A. Geographic problems of malaria. (Ge) *Anz. Schädigungskunde* 38(10):145-150. Oct. 1965. 421 An9
Includes control of *Anopheles* spp.

- 14246 GIBSON, L. G. Systemic grub control doesn't cost—it pays. *Can. Cattlemen* 29(11):24. Nov. 1966. 49 C16
Hypoderma control.
- 14247 GINGRICH, R. E., and ESCHLE, J. L. Preliminary report on the larval development of the horn fly, *Haematobia irritans*, in feces from cattle given fractions of a commercial preparation of *Bacillus thuringiensis*. *J. Invertebrate Pathol.* 8(2):285-287. June 1966. 421 J826
- 14248 GRATZ, N. G. The effect of the development of dieldrin resistance on the biotic potential of house flies in Liberia. *Acta Trop.* 23(2):108-136. Ref. 1966. 475 Ac8
- 14249 GREBENYUK, R. V. Iksodovye kleshchi (Parasitiformes, Ixodidae) Kirgizii; ekologo-biologicheskaya kharakteristika, vrednosnoe znachenie i osnovny bor'by s nimi [Ixodid ticks (Parasitiformes, Ixodidae) from Kirghizia; ecological and biological characteristics, harmful effects, and basic methods of control]. *Frunze, Ilim*, 1966. 328 p. Ref. Q1458.A2G7
- 14250 GROKHOVSKAYA, I. M., and SIDOROV, V. E. Concerning the mutual adaptation of ticks (*Ornithodoros lahorensis* Neum.) and of the causative agent of tick-borne typhus (*Dermacentor sibiricus*). (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 6:133-138. June 1966. 448.3 Z4
English summary.
- 14251 GROKHOVSKAYA, I. M., IGNATOVICH, V. F., and SIDOROV, V. E. Susceptibility of ticks of the superfamily Ixodoidea to Rickettsia prowazekii. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(3):299-304. May/June 1966. 448.3 M469
English summary.
Alveonasus canestrinii, Hyalomma asiaticum and Dermacentor pictus.
- 14252 HAAS, G. E. Cat flea [Ctenocephalides felis]—mongoose relationships in Hawaii. *J. Med. Entomol.* 2(4):321-326. Ref. Jan. 1966. 421 J828
- 14253 HADAWAY, A. B., and BARLOW, F. Relationships between some physical properties of insecticides and their intrinsic and contact toxicities to adult mosquitos, Anopheles stephensi list. *PANS (Pest Articles News Sum.)* Sect. A, *Insect Cont.* 12(3):197-210. Aug. 1966. 423.92 G798
- 14254 HALSTEAD, S. B. Mosquito-borne haemorrhagic fevers of South and South-East Asia. *World Health Organ. Bull.* 35(1):3-15, map. Ref. 1966. 449.9 W892B
Chiefly Aedes aegypti as vector.
- 14255 HOPPINGARNER, R. A., GUYER, G. E., and KRAUSE, D. H. The Mackinac Island fly problem. I. History of insecticide use and characterization of resistance. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):559-564. May 1966. 100 M58S
- 14256 INSTITUT PASTEUR, DE TUNIS. Report on activities during 1964. (Fr) *Inst. Pasteur Tunis. Arch.* 42(2):227-335. Ref. June 1965. 448.3 In72
Includes entomology and veterinary medicine.
- 14257 IVANOVA, L. V., and STAVROVSKAYA, V. L. Preliminary data of a field trial of a new repellent—piperidilamid m-citral acid. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(3):320-323. May/June 1966. 448.8 M469
English summary.
In control of Aedes and Mansonia.
- 14258 JOCHIM, M. M., and JONES, R. H. Multiplication of bluetongue virus in Culioides variipennis following artificial infection. *Amer. J. Epidemiol.* 84(2):241-246. Ref. Sept. 1966. 449.8 Am3
- 14259 JOESTEN, M. D., and HILL, R. A. Toxicity studies: toxicity of metal complexes of octamethylpyrophosphoramide in water and dimethyl sulfoxide. *J. Agr. Food Chem.* 14(5):512-514. Sept./Oct. 1966. 381 J8223
Tests on mice.
- 14260 KAIRE, G. H. Isolation of tick paralysis toxin from Ixodes holocyclus. *Toxicon* 4(2):91-97. Aug. 1966. 391.8 T66
- 14261 KISS, L. Ticks and diseases. (Hu) *Erdo* 15(8):370-373. Aug. 1966. 99.8 Er22
Occupational diseases of forest labor.
- 14262 KNOWLTON, G. F. Fly control. *Utah. State Univ. Ext. Entomol. Mimeo Ser.* 109, 3 p. Sept. 1966. 275.29 U1En
Organophosphorus insecticides.
- 14263 KONNO, J., and others. Cyclic outbreaks of Japanese encephalitis among pigs and humans. *Amer. J. Epidemiol.* 84(2):292-300, map. Ref. Sept. 1966. 449.8 Am3
K. Endo, H. Agatsuma, and N. Ishida, joint authors.
Culex tritaeniorhynchus as vector.
- 14264 KRAL, F. Sarcoptic scabies and demodectic mange. *Southwest. Vet.* 18(3):219-221. Spring 1965. 41.8 So82
- 14265 LABRECQUE, G. C., and others. Effectiveness of hempa as a house fly chemosterilant. *J. Med. Entomol.* 3(1):40-43. Apr. 1966. 421 J828
P. B. Morgan, D. W. Meifert, and R. L. Fye, joint authors.
- 14266 LAGRAULET, J. Some biological characteristics of Simuliidae vectors of human onchocerciasis in Guatemala. (Fr) *Soc. Pathol. Exot. Bull.* 58(5):950-954. Sept./Oct. 1965. 448.9 So13
Simulium ochraceum, S. metallicum and S. callidum.
- 14267 LANDAU, I., and KILLICK-KENDRICK, R. Rodent plasmodia of the Republique Centrafricaine: the sporogony and tissue stages of Plasmodium chabaudi and P. berghei yoelii. *Roy. Soc. Trop. Med. Hyg. Trans.* 60(5):633-649. Ref. 1966. 448.9 R813
Anopheles stephensi as vector.
- 14268 LARA AGUILERA, R. Antropofilia de Simulium (Psilopelmia) pseudocallidum, Diaz Najera, 1965 (Diptera: Simuliidae). [Anthropophilism of Simulium (Psilopelmia) pseudocallidum, Diaz Najera, 1965 (Diptera: Simuliidae)]. *Acta Zool. Mex.* 8(2), 2 p. May 10, 1966. 410 Ac84
- 14269 LODHA, K. R. Studies on sarcoptic mange in camels (Camelus dromedarius). *Vet. Rec.* 79(2):41-43. July 3, 1966. 41.8 V641
Caused by Sarcoptes scabiei cameli and treated with DDT, Co-ral and lindane in India.
- 14270 LUCENA, D. T. DE. The introduction of Triatoma infestans Klug, 1934 in Pernambuco. (Por) *Rev. Brasil. Malariol. Doencas Trop.* 17(4):407-413. Ref. Oct./Dec. 1965. 448.8 R3283
English summary.
- 14271 MADEJSKI, Z., and JUSZKIEWICZ, T. Effects of Ekatin poisoning on some biochemical indices in chickens. (Pol) *Pol. Arch. Weter.* 10(1):93-101. Ref. 1966. 41.8 P76
English summary.
- 14272 MARCHETTE, N. J. Rickettsiosis (tick typhus, Q-fever, urban typhus) in Malaya. *J. Med. Entomol.* 2(4):339-371, map. Ref. Jan. 1966. 421 J828
Tick-borne zoonoses with wild rodents and small mammals as reservoirs.
- 14273 MARYLAND, UNIVERSITY. DEPT. OF ZOOLOGY. Index catalogue to Russian, central and Eastern European, and Chinese literature in medical entomology. Volume X. Miscellaneous arthropod-borne and arthropod-associated diseases. by G. Anastos, V. N. Andrews, A. M. Brown, V. R. Campbell, A. Elbi, B. Y. Foote, M. B. Mace, A. M. Schindler, D. B. Segal, and R. R. Thacker. College Park, Maryland, 1966. 97 p. 241.74 M36
- 14274 MARYLAND, UNIVERSITY. DEPT. OF ZOOLOGY. Index catalogue to Russian, central and Eastern European, and Chinese literature in medical entomology. Volume XI. Control measures for arthropods of medical importance, by G. Anastos, V. N. Andrews, A. M. Brown, V. R. Campbell, A. Elbi, B. Y. Foote, M. B. Mace, A. M. Schindler, D. B. Segal, and R. R. Thacker. College Park, Maryland, 1966. 202 p. 241.74 M36
- 14275 MAZZOTTI, L. Three themes on the investigation of Triatomidae. (Sp) *Rev. Invest. Salud Publica* 26(1):89-90. Jan./Mar. 1966. 449.9 M572
Includes transmission of Trypanosoma cruzi.

- 14276 MILLER, R. F., and LOOMIS, E. C. Control of hornflies [*Haematobia irritans*] on range cattle with systemic insecticides. Calif. Agr. 20(8): 8-10. Aug. 1966. 100 C12Cag
Control with ronnel.
- 14277 MIRANDA, F., and others. Molecular complexes presented by animal neurotoxins. I. Neurotoxins of scorpion venom (*Androctonus australis Hector* and *Buthus occitanus tuncanus*). (Fr.) Toxicon 4(2):123-144. Ref. Aug. 1966. 391.8 T66
H. Rochat, C. Rochat, and S. Lissitzky, joint authors.
English summary.
- 14278 MIRANDA, F., and others. Trials on purification of the neurotoxins of the venom of a South American scorpion (*Tityus serrulatus* L. and M.) by chromatographic methods. (Fr.) Toxicon 4(2):145-152. Ref. Aug. 1966. 391.8 T65
H. Rochat, C. Rochat, and S. Lissitzky, joint authors.
English summary.
- 14279 MIROLYUBOVA, L. V., KUDRYASHOVA, N. I., and TARASEVICH, L. V. The use of fluorescent-serological method for determination of natural tsutsugamushi fever infection of mites (*Trombicula*). (Rus.) Zh. Mikrobiol. Epidemiol. Immunobiol. 7:36-38. July 1966. 448.3 Z4
English summary.
- 14280 MURRAY, W. D. Cooperative work helps multi-targeted Delta MAD [Mosquito Abatement District] achieve urban-rural control. Pest Contr. 34(9):30, 34, 36. Sept. 1966. 449.8 Ex8
Mosquitoes and other insect vectors in Tulare County, California.
- 14281 MURRAY, W. D. Crew size, mobility improves coverage in urban rural district. Pest Contr. 34(10):58, 63-64, 66, 68. Oct. 1966. 449.8 Ex8
Mosquito control in California.
- 14282 NEPOKLONOV, A. A., and TALANOV, G. A. Preparations used in control of hyalomera in cattle. (Rus.) Khim. Sel'skom Khoz. 4(4):46-48. Apr. 1966. 385 K524
- 14283 NUSSENZWEIG, R., and others. Studies on sporozoite-induced infections of rodent malaria. III. The course of sporozoite-induced Plasmodium berghei in different hosts. Amer. J. Trop. Med. Hyg. 15(5):684-689. Ref. Sept. 1966. 448.8 Am326
R. Herman, J. Vanderberg, M. Yoeli, and H. Most, joint authors.
From Anopheles stephensi.
- 14284 ONCUL, S., MERIC, I., and SINCER, N. An investigation about Przhivalskiana silenus (Brauer) observed among the Angora goats. (Tu) Ankara. Lalahan Zootek. Arastirma Enstitusu, Dergisi 5(3/4):59-69. Ref. Sept./Dec. 1965. 49.9 An6
English summary.
- 14285 OPPENOORTH, F. J. Origin of resistance to insecticides. (Du) Loonbedrijf Land-Tuinbouw 19(9):773, 775, 777. Sept. 1966. 283.8 L87
With reference to DDT resistance of houseflies.
- 14286 OSSI, G. T. High lights on malaria eradication programme in Iraq in 1961. Bull. Endemic Dis. 7(3/4):1-9. Nov. 1965. 448.9 Irl
Anopheles stephensi, A. superpictus and A. sacharovi as vectors; control with DDT.
- 14287 PATYK, S. Suitability of the organic phosphorus preparation Z-50 in the destruction of larvae of the bot fly [*Hyoderma*] in cattle. (Pol) Med. Weter. 22(4):209-210. Apr. 1966. 41.8 M463
- 14288 PHILLIPS, W. E. J. Effects of dieldrin on the metabolism of vitamin A and carotene in the rat. Can. J. Physiol. Pharmacol. 43(4):649-656. Ref. July 1965. 444.8 C16
- 14289 PICK, F. Analysis of the infectious power of saliva of hematophagous Reduviidae having experimentally induced poliomyelitis virus. (Fr) Soc. Pathol. Exot. Bull. 56(5):840-841. Sept./Oct. 1965. 443.9 Sol3
Triatoma infestans.
- 14290 PIPPIN, W. F., and SHIMADA, T. Ectoparasites from Rattus norvegicus (Erxleben) on Iwo Jima, volcano islands. J. Med. Entomol. 2(4):384. Jan. 1966. 421 J828
Mites, lice, and fleas.
- 14291 RIOS-CASTRO, R. Participation of the community in the eradication of malaria. (Sp) Ofic. Sanit. Panamer. Bol. 60(3):247-252. Mar. 1966. 449.9 P192B
English summary.
Includes spraying of homes with residual insecticides in Latin America.
- 14292 SCHOOF, H. F., and others. Studies with dichlorvos residual fumigant as a malaria eradication technique in Haiti. I-II. Amer. J. Trop. Med. Hyg. 15(5):661-671. Sept. 1966. 448.8 Am326
W. Mathis, R. T. Taylor, H. W. Brydon, W. J. Goodwin, P. Cavalié, and E. Limousin, joint authors.
Anopheles albimanus as vector.
- 14293 SELF, L. S., and PANT, C. P. Insecticide susceptibility and resistance in populations of Anopheles gambiae, Culex fatigans and Aedes aegypti in southern Nigeria. World Health Organ. Bull. 34(6):960-962. 1966. 449.9 W892B
- 14294 SMART, J. J., JORDAN, K., and WHITTICK, R. J. A handbook for the identification of insects of medical importance. Ed. 4. London, British Museum (Natural History), 1965. 303 p. Ref. QL463.S6
- 14295 SPURGEON, V. D. Fish to control malaria. Madras Inform. 21(8):4-5. Aug. 1966. 280.8 M26
Mosquito control.
- 14296 STEIN, W. J., MILLER, S., and FETZER, L. E. Studies with dichlorvos residual fumigant as a malaria eradication technique in Haiti. III. Toxicological studies. Amer. J. Trop. Med. Hyg. 15(5):672-675. Sept. 1966. 448.8 Am326
To man.
- 14297 STREET, J. C., WANG, M., and BLAU, A. D. Drug effects on dieldrin storage in rat tissue. Bull. Environ. Contamination Toxicol. 1(1):6-15. Jan./Feb. 1966. RA1270.P35A1
- 14298 SYMPOSIUM on recent developments in the control of some arthropods of public health and veterinary importance. Entomol. Soc. Amer. Bull. 12(3):319-348. Ref. Sept. 1966. 423.9 En8
Moderator: A. W. Buzicky; Livestock insects, by O. H. Graham and R. L. Harris; Biting flies, by D. L. Collins; Cockroaches, by J. M. Grayson; Mosquitoes, by H. F. Schoof; Muscoid flies [chiefly Musca domestica], by J. R. Anderson.
- 14299 TALAAT, S. M., AMIN, N., and EL MASRY, B. A comparative study of Dioxerex and tartar emetic in the treatment of urinary schistosomiasis. Roy. Soc. Trop. Med. Hyg. Trans. 60(5): 579-584. Ref. 1966. 448.9 R813
- 14300 TOMASI, K. Control of flying pests in pasturing cattle and in open stall. (Ge) Schweiz. Arch. Tierheilk. 108(8):436-440. Aug. 1966. 41.8 Sch9
English summary.
Chiefly chemical.
- 14301 VARELA, G., and BUENTELLO, L. Study on the infection and transmission of Rickettsia quintana by Cimex lectularius. (Sp) Rev. Invest. Salud Publica 26(1):23-26. Jan./Mar. 1966. 449.9 M572
English summary.
To man.
- 14302 WHETSTONE, R. R., and others. 2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate, a new insecticide with low toxicity to mammals. J. Agr. Food Chem. 14(4):352-356. Ref. July/Aug. 1966. 381 J8223
D. D. Phillips, Y. P. Sun, L. F. Ward, and T. E. Shellenberger, joint authors.
SD 6447.
- 14303 WHO INTER REGIONAL SEMINAR ON MOSQUITO-BORNE HAEMORRHAGIC FEVERS IN THE SOUTH-EAST ASIA AND WESTERN PACIFIC REGIONS. 1964. Summaries of papers. World Health Organ. Bull. 35(1):35-94. 1966. 449.9 W892B
- 14304 WOOD, D. E., and SUITOR, E. C. In vitro development of microfilariae of Macacnema formosana in mosquito cell cultures. Nature [London] 211(5051):868-870. Aug. 20, 1966. 472 N21
Aedes aegypti.

Pests of Plants

Forest Pests

- 14305 ASHALL, C., and CLARK, D. P. Expanding co-operation in locust research between Anti-Locust Research Centre and the Commonwealth Scientific and Industrial Research Organisation in Australia. PANS (Pest Articles News Sum.) Sect. A, Insect Contr. 12(3):160-161. Aug. 1966. 423,92 G798
Grasshoppers and Cicadidae control.
- 14306 BARON, S. The teeth of the desert. (It) Agricoltura 15(8):65-72. Aug. 1966. 16 Ag8226
International control of Schistocerca gregaria.
- 14307 CARL, K., and ZWOLFER, H. Study of the biological control of some weeds and insect pests in agriculture and horticulture. II. Report on the work of the European station of the Commonwealth Institute of Biological Control at Delemont, Switzerland. I. (Ge) Anz. Schädlingkunde 38(6):81-87. June 1965. 421 An9
- 14308 CHABOUSSOU, F. Nutritional requirements of phytophagous Tetranychidae and their trophic swarming following pesticidal treatments. (Fr) Ann. Nutr. Aliment. 20(4):348-351. 1966. 389,8 An73
- 14309 GANGWERE, S. K. Relationships between the mandibles, feeding behavior, and damage inflicted on plants by the feeding of certain acridids (Orthoptera). Mich. Entomol. 1(1):13-16. July 1966. QL461.M5
21 spp. of grasshoppers were studied.
- 14310 HENEIN, S., HASSANEIN, M. H., and KAMEL, A. A. M. Evaluation of *Prodenia litura* F. response to certain hydrocarbon insecticides (Lepidoptera; Noctuidae). Soc. Entomol. Egypte. Bull. 48:171-176. Ref. Dec. 1965. Chlorinated.
- 14311 KADY, M. The resistance of *Tetranychus telarius* L. complex to chemical control materials on various host plants (Acarina). (Ge) Soc. Entomol. Egypte. Bull. 48:61-73. 1964, pub. 1965. 420 Eg9
- 14312 KIRKOV, K. Biology and control of *Opatrum sabulosum* L. (Coleoptera, Tenebrionidae). (Bu) Rastenievudni Nauk. 2(1):165-172. 1965. 64,8 R18
English summary.
Plant pest.
- 14313 RALLS, J. W., GILMORE, D. R., and CORTES, A. Metabolism in plants: fate of radioactive O,O-diethyl O-(2-isopropyl-4-methylpyrimidin-6-yl) phosphorothioate on field-grown experimental crops. J. Agr. Food Chem. 14(4):387-392. Ref. July/Aug. 1966. 381 J8223
Diazinon.
- 14314 SCHIEFERDECKER, H. Investigations of the application of *Trichogramma* (Hymenoptera, Trichogrammatidae) in agriculture and forestry. (Ge) Biol. Rundsch. 3(5/6):253-255. 1965. 442,8 B5272
Against insects.
- 14315 SEN, A. C. A survey of the pentatomid bugs on the economic plants in the Ranchi District. Indian J. Entomol. 27(4):488. Dec. 1965. 420 In23
- 14316 TEREZNIKOVA, YE. M. Economic importance of coccids (Insecta, Homoptera, Coccoidea) of the Ukrainian Polesye. (Uk) Akad. Nauk Ukr. RSR. Dopovidy 5:678-681. 1966. 511 K54
English summary.
Plant pests.
- 14317 TERSKOV, I. A., and KOLOMIETS, N. G. Sve-toye lovshiki i ikh ispol'zovanie v zaschite rastenii [Light traps and their use in plant protection]. Moskva, Nauka, 1966. 145 p. Ref. SB959.T4
Insects.
- 14318 UBIRZSY, G. Integrated plant protection and its biological bases. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(3/4):315-354. 1966. 19 B855
Review of the literature.
Insect pest control.
- 14319 ARSENESCU, M. Considerations on the evolution of the brown tail moth (*Euproctis chrysorrhoea* L.) areas of its populations and distribution in Rumania during 1954-1965. (Rum) Rev. Padurilor 81(6):334-337, map. June 1966. 99,8 R327
English summary, p.2 following p.369.
As pest of forest.
- 14320 THE BALSAM woolly aphid in British Columbia. Pulp Pap. Mag. Can. 67(10):WR507-WR509. Oct. 1966. 302,8 P96
Chermes piceae attacking Abies grandis, A. amabilis and A. lasiocarpa.
- 14321 BEDFORD, E. C. G. An attempt to control the Seychelles scale, *Icerya seychellarum* (Westw.) (Homoptera: Coccidae), in South Africa by introducing *Cryptochaetum monophlebi* Skuse (Diptera: Cryptochaetidae). Entomol. Soc. Southern Afr. J. 28(2):155-165. Ref. Dec. 31, 1965. 420 En88
Pest of *Castanospermum australe* and other ornamental plants.
- 14322 BEDNYI, V. D. Peculiarities of mass reproduction of *Evterpia buoliana* Schiff. in pine forests near the Donets river. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:79-81. May 1965. 20 V82
Russian summary.
Includes control with DDT.
- 14323 BROWN, J. M. B., and BEVAN, D. The great spruce bark beetle; *Dendroctonus micans*, in north west Europe. Great Brit. Forest. Comm. Bull. 38,41 p., map. Ref. 1966. 99,9 G795
- 14324 CADAHIA, D. Radiation in applied entomology. (Sp) Montes 22(128):159-168. Mar./Apr. 1966. 99,8 M763
Effects on sterilization and mortality of insects and effects on wood resistance to insects.
- 14325 CONNOLA, D. P. Summary report on study of resistance in eastern white pine to white pine weevil attack in New York. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:72. 1965, pub. 1966. 99,9 N8123
Pinus strobus resistance to *Pissodes strobi*.
- 14326 D'AGNOLO, A. Entomological problems in British Columbia, Canada. (Ge) Anz. Schädlingkunde 38(9):129-130. Sept. 1965. 421 An9
Forest pest control.
- 14327 DISSESCU, G. Contribution to the forecasting of main pests in the hardwood forests of Rumania. (Rum) Rev. Padurilor 81(5):273-276. Ref. May 1966. 99,8 R327
English summary.
- 14328 DOMINK, J. Experiments on the possibility of insect feeding in the wood of yew (*Taxus baccata* L.). (Pol) Sylwan 109(6):55-60. 1965. 99,8 Sy52
English summary.
Hylotrups bajulus, Anobium punctatum and Leptura rubra.
- 14329 GASS, R. D. Forest insects in Missouri. Mo. Log. 19:36-39. 1966. 99,8 M696
Pests.
- 14330 HERVE, P. Decline of the maritime pines in the Maures (Var); bibliographic note. (Fr) Entomops 3:98-101. First Q. 1965. QL461.E53
Caused by *Matsucoccus feytaudi*, primary pest, and *Pissodes notatus* as the secondary pest.
- 14331 JONES, E. Thorough treatment prevents TO [termite-control operators] call-backs. Pest Contr. 34(8):46,48,50,52. Aug. 1966. 449,8 Ex8
Termite control.
- 14332 KEREMIDCHIEV, M. Study of insect fauna of oak-type forests in eastern part of Stara Planina. (Bu) Gorskostopanska Nauk. 2(3):205-217. Ref. 1965. 99,8 G683
French summary.
- 14333 KHALSA, H. G., NIGAM, B. S., and AGARWAL, P. N. Resistance of coniferous timbers to *Lyctus africanus* attack. Indian J. Entomol. 27(4):377-388. Ref. Dec. 1965. 420 In23
Pinus roxburghii, Cedrus deodara, and Picea morinda.

- 14334 KRISTEK, J. A contribution to the study of wood boring pests of willow stands of Southern Moravia. II. (Ge) Brno, Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnické 2:113-149. Ref. 1966. 105.92 B833
English summary.
- 14335 LESNIAK, A. Some contemporary theories on insect population dynamics and possibilities of their application in forest protection. (Pol) Sylwan 109(5):71-78. Ref. 1965. 99.8 Sy52
English summary.
Natural control.
- 14336 MACDONALD, D. R. Biological interactions associated with spruce budworm [Choristoneura fumiferana] infestations. In Woodwell, G. M., ed. Ecological effects of nuclear war, p.61-68, map. Ref. 1965. 173 At72E
Spruce-fir community recovery after insect damage and DDT application.
- 14337 MROZOWSKI, J. Importance of the wild boar in a control of Panolis flammea Schiff. in an area of the former forest-district Golabek in 1961/62. (Pol) Sylwan 110(6):63-70. 1966. 99.8 Sy52
Natural control of pine pest.
- 14338 PARAMANOV, A., and SANCHEZ, J. R. Planning control measures for forest pests in Latin America. (Sp) Inst. Forest. Latinoamer. Invest. Capacitacion. Bol. 19:1-48. Dec.1965. 99.9 In7B
English summary.
- 14339 ROZHKOV, A. S. Massovoe razmnozhenie sibirskogo shchekopyrady i mery bor'by s nim [Mass reproduction of Dendrolimus sibiricus and measures for its control]. Moskva, Nauka, 1965. 179 p. Ref. SB945.D4R6
Forest and tree pest.
- 14310 RUDNEW, D. F. Protection of forests from pests in the Ukraine. (Ge) Anz. Schädlingkunde 38(9):130-137. Ref. Sept.1965. 421 An9
English summary.
- 14311 SIERPINSKI, Z. Noxious insects occurring on the Austrian pine (Pinus nigra Arn.) and their economic significance. (Pol) Sylwan 110(2):55-63. Ref. 1966. 99.8 Sy52
English summary.
- 14312 SLIWA, E. The application of toxic rings for the control of Dendrolimus pini L. (Pol) Sylwan 110(4):61-65. 1966. 99.8 Sy52
English summary.
Contact insecticides applied with pressure sprayers.
- 14313 STANEV, M. TS. Study of biology of poplar scale (Quadraspidiotus gigas Thiem et Gerneck) and its control. (Bu) Gorskostopanska Nauk. 2(3):235-246. Ref. 1965. 99.8 G683
German summary.
- 14314 THALENHORST, W. German 1963/1964 bibliography on the forest protection, III. Insects and other arthropods. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(5):283-293. May 1966. 464.8 Z3
- 14315 TSANKOV, G. Stomatium fulvum Vill. and its control. (Bu) Gorskostopanska Nauk. 2(3):219-226. 1965. 99.8 G683
German summary.
Pest of construction wood.
- 14316 URBAN, S. Pathogenic fungi as factors of mortality of forest insects in 1961-1963. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 19(3):71-74. 1965. 464.9 N11
English summary.
- 14317 WILSON, L. F. Life history, habits, and damage of the boxelder [Acer negundo] leaf girdler, Contarinia negundifolia Feit (Diptera: Cecidomyiidae) in Michigan. Can. Entomol. 98(7):777-784. July 1966. 421 C16
- 14318 WILSON, L. F. Relative susceptibilities of three ponderosa pine [Pinus ponderosa] sources to European pine sawfly [Neodiprion sertifer] (Hymenoptera: Diprionidae) attack in Michigan. Mich. Entomol. 1(1):23-25. July 1966. 414.61 M5
From Oregon.
- 14319 WISNIEWSKI, J. An attempt of the determination of costs involved in the artificial colonization of ants from the group Formica rufa L. on the base of own studies. (Pol) Sylwan 110(5):71-76. 1966. 99.8 Sy52
English summary.
- Pests of Field and Truck Crops
- 14350 ADKISSON, P. L., and NEMEC, S. J. Comparative effectiveness of certain insecticides for killing bollworms [Heliothis zea] and tobacco budworms [Heliothis virescens]. Tex. Agr. Exp. Sta. B-1048, 4 p. Feb.1966. 100 T31S
Pest of cotton.
- 14351 AMANTE, E., and PIGATI, P. Phyrdenus murice Germar, 1824 (Coleoptera, Curculionidae), a pest of potatoes; ecological notes and tests with insecticides under laboratory conditions. (Por) Biologico 32(1):13-17. Jan.1966. 442.8 B529
- 14352 ANDRYUSHCHENKO, M. D. Frit fly damage to corn and measures for its control under conditions of the southwest Ukrainian SSR. (Uk) Vysnyk Sil'skohospodar. Nauk. 7:62-65. July 1965. 20 V82
Russian summary.
Chemical control of Oscinella frit.
- 14353 BALL, H. J. Rootworm alert system, no more sneak attacks. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2): 2. Summer 1966. 100 N27N
Control of western corn rootworm (Diabrotica virgifera) with diazinon and Thimet.
- 14354 BARNETT, C. B., and PIRONE, T. P. Stylet-borne virus: active probing by aphids not required for acquisition. Science 154(3746):291-292. Ref. Oct.14,1966. 470 Sc12
Cucumber mosaic virus transmission by Myzus persicae to tobacco and Brassica.
- 14355 BOENGU, E., and GAVRILITA, P. Specific pests of the alfalfa and clover grown for seeds and measures for their control. (Rum) Rev. Gosp. Agr. Stat 18(7):4-6.8. July 1966. 21 R32
- 14356 BYERS, R. A. Biology and control of a spittlebug, Pezaspia bicincta (Say), on Coastal bermudagrass [Cynodon dactylon]. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.)42,26 p.,map. Ref. Apr.1965. 100 G293T
U. S. Department of Agriculture, cooperating.
Chemical control.
- 14357 CANERDAY, T. D. Varietal resistance or insecticides for pickleworm [Diaphania nitidalis] control. Highlights Agr. Res. [Ala. Sta.] 13(2): 16. Summer 1966. 100 AL1H
- 14358 CHATTERJEE, P. B. A note on Brachytrypes portentosus Lichtenstein (=achatinus Stoll.) (Orthoptera: Gryllidae), a pest of ramie (Boehmeria nivea). Indian J. Entomol. 27(4):493-494. Dec.1965. 420 In23
- 14359 CLERCQ, R. DE, and D'HERDE, J. Dissemination of the wheat gall fly Haplodiplosis aequistris Wagner in Belgium. (Fr) Rev. Agr. [Brussels] 19(7/8):809-813. July/Aug.1966. 13 R322
English summary.
- 14360 DIERCKE, R., GERSDORF, and SCHMIDT, H. Final situation in 1966 regarding dangerous aphids in Bavaria, Lower Saxony and Schleswig-Holstein. (Ge) Kartoffelbau 17(4):99-102. Apr.1966. 75.8 K145
- 14361 EISENTRAUT, A. The occurrence, damage, biology and control of the beet beetle (Atomaria linearis Steph.). (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)19(3):74-77. 1965. 464.9 N11
English summary.
- 14362 ENGEL, H. Problems in the control of the corn earworm [Pyrausta nubilalis]. (Ge) Gesunde Pflanzen 18(1):8-11. Jan.1966. 464.8 G33
Chemical control.
- 14363 EVERSON, E. H., and others. Geographic distribution of resistance in Triticum to the cereal leaf beetle [Oulema melanopa]. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):565-569. May 1966. 100 M58S
R. L. Gallun, J. A. Schillinger, D. H. Smith, and J. C. Craddock, joint authors.
Tests with wheat types.

- 14364 FABIETTI, C. E., and others. Field tests with Sevin granular on three lepidopterous corn borers in Egypt. Soc. Entomol. Egypte. Bull. 48:21-25, 1964, pub. 1965. 420 Eg9
F. El-Zabet, M. M. Mahmoud and T. Boutros, joint authors.
Sesamia eretica, Chilo simplex and Ostrinia nubilalis.
- 14365 FITSCHEN, H. J. Control of aphids in potato stands. (Ge) Kartoffelbau 17(7):191-192, July 1966. 75.8 K145
- 14366 EL-GHAR, M. R. A. The effect of certain insecticides against the cotton leaf-worm, *Prodenia litura* F. Soc. Entomol. Egypte. Bull. 48:303-310. 1964, pub. 1965. 420 Eg9
- 14367 GUDAUSKAS, R. T., and GATES, D. W. Corn viruses in Alabama. Highlights Agr. Res. [Ala. Sta.] 13(2):4, map. Summer 1966. 100 ALIH
Corn stunt, transmitted by leafhoppers; and maize dwarf mosaic, transmitted by aphids.
- 14368 HOVELAND, C. S., and others. Annual clover stands reduced by pygmy crickets. Highlights Agr. Res. [Ala. Sta.] 13(2):9. Summer 1966. 100 ALIH
E. M. Evans, C. C. King, and M. H. Bass, joint authors.
Control with diazinon.
- 14369 HUSAIN, M., and KHAN, M. Q. Melanagromyza obtusa, (Milloch) a potent pest of safflower (*Carthamus tinctorius*) in Andhra Pradesh. Bull. Entomol. 7:13-19. Ref. Jan. 1966. 421 B572
- 14370 ILIEV, P. Aircraft in chemical control of tobacco thrips. (Bu) Bulg. Trutyn 1:13-15. 1965. 69.8 B872
Frankliniella fusca.
- 14371 JACQUINOT, L. Study by means of 35 S of an insecticidal residue on millet. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:173-180. 1966. 26 F84B
English summary.
Phorate.
- 14372 KNOWLTON, G. F. Western harvester ants [Pogonomyrmex occidentalis] a range and farm problem. Utah. State Univ. Ext. Entomol. Mimeo Ser. 111, 1 p. Oct. 1966. 275.29 Ut1En
- 14373 KOVTUN, I. V. Role of early potato planting in control of Colorado potato beetle. (Uk) Vysnyk Sil'skokhospodar. Nauk. 4:57-59. Apr. 1965. 20 V82
Russian summary.
Leptinotarsa decemlineata.
- 14374 KRIZ, J. Hop mite Tetranychus telarius L. (Tetranychus urticae Koch). (Cz) Chmelarstvi 38(2):27-28. Feb. 20, 1966. 70.8 C33
Includes control.
- 14375 LALL, B. S., DUTTA, C. P., and JAYASWAL, A. P. Bionomics and control of red spider mite, Tetranychus telarius Linn. (Acarina: Tetranychidae). Indian J. Entomol. 27(4):389-392. Dec. 1965. 420 In23
Insecticidal control on vegetables.
- 14376 LAUREMA, S., MARKKULA, M., and RAATTI-KAINEN, M. The effect of virus diseases transmitted by the leafhopper Javesella pellucida (F.) on the concentration of free amino acids in oats and on the reproduction of aphids. Ann. Agr. Fenn. 5(2):94-99. Ref. 1966. 20 An7
In Finland.
- 14377 LEIGH, T. F., and others. Insecticides and beneficial insects in cotton fields. Calif. Agr. 20(7):4-6. July 1966. 100 C12Cag
J. H. Black, C. E. Jackson, and V. E. Burton, joint authors.
- 14378 MAKES, M. The effective and profitable control of weevils on red clover. (Cz) Za Vysokou Urodu 14(6):235-236. June 1966. 64.8 Z12
- 14379 MINYARD, J. P., and others. Constituents of the cotton bud: Sesquiterpene hydrocarbons. J. Agr. Food Chem. 14(4):332-336. Ref. July/Aug 1966. 381 J8223
J. H. Tumlinson, A. C. Thompson, and P. A. Hedin, joint authors.
Part of a study on plant attractants for the boll weevil Anthonomus grandis.
- 14380 MOTAL, F. Harmfulness of the summer populations of frit fly (*Oscinella frit* L.) in heads of oats during 1964. (Cz) Za Vysokou Urodu 14(6):236-237. June 1966. 64.8 Z12
- 14381 MULLER, W. K. Outbreaks and control of the frit fly *Oscinella frit* L. on forage corn stands in northwestern Germany in 1965. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 18(4):59-62. Apr. 1966. 442.9 B832
- 14382 NEITZEL, K. The reasons for the unsatisfactory effect of insecticides in the control of the nonpersistent potato viruses transmitted by aphids. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 19(3):66-69. Ref. 1965. 464.9 N11
English summary.
- 14383 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de aspergevlug [Control of the asparagus fly]. Neth. Plantenziektenkundige Dienst. Ber. 1671, 2 p. June 13, 1966. 464.9 N38
Platyptera poeciloptera.
- 14384 OHNESORGE, B. Occurrence of Colorado potato beetle (*Leptinotarsa decemlineata*) in the German Federal Republic during 1949-1965. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 18, i.e. 20(3):41-43. Ref. Mar. 1966. 464.9 N11
- 14385 OTHER people's pest problems. II. Guyana. PANS (Pest Articles News Sum.) Sect. A, Insect Contr. 12(3):163-177. Aug. 1966. 423.92 G798
Includes field crops and livestock pest control and weed control.
- 14386 PATEL, H. K., PATEL, R. C., and PATEL, V. C. Hydronomidius molitor Fst, a new pest of paddy in Gujarat. Indian J. Entomol. 27(4):496-497. Dec. 1965. 420 In23
- 14387 PLATZER, S. Observations on the application of Di-Syston. (Ge) Kartoffelbau 17(7):191. July 1966. 75.8 K145
Against aphids transmitting viruses.
- 14388 PRIDANTSEVA, E. A., POPOVA, G. A., and ATABEKOV, I. G. Transfer of winter wheat mosaic virus by injection of infectious juice to Cicada-vectors [*Psammotettix striatus*]. (Rus) Vop. Virusol. 3:340-343. Ref. May/June 1966. 448.8 P942
English summary.
- 14389 PRYSTAVKO, V. P. Variant of Bacillus thuringiensis Berliner, pathogenic for the Colorado beetle *Leptinotarsa decemlineata* Say. (Uk) Akad. Nauk Ukr. RSR. Dopovidy 7:958-961. Ref. 1965. 511 K54
English summary.
- 14390 RADEV, R. Airplane control of cotton aphid [*Aphis gossypii*]. (Bu) Rastenievudni Nauk. 2 (9):117-124. 1965. 64.8 R18
English summary.
- 14391 ROBERTS, J. E. The effects of larval diet on the biology and susceptibility of the fall armyworm *Laphygma frugiperda* (J. E. Smith) to insecticides. Ga. Agr. Exp. Sta. Tech. Bul. (n.s.) 44, 22 p., map. Ref. May 1965. 100 G293T
Field crops.
- 14392 ROCHOW, W. F., and EASTOP, V. F. Variation within *Rhopalosiphum padi* and transmission of barley yellow dwarf virus by clones of four aphid species. Virology 30(2):286-296. Ref. Oct. 1966. 448.8 V81
- 14393 SHIPP, E., OSBORN, A. W., and HUTCHINSON, P. B. Radiation sterilization of sugar-cane leafhoppers of the family Delphacidae. Nature [London] 211(5044):98-99. Ref. July 2, 1966. 472 N21
Effects of gamma rays on Perkinsiella saccharicida.
- 14394 STEFANOV, D. Study on some factors conditioning behaviour and development of the tomato spotted wilt disease [*Lycopersicum virus 3* Smith] on tobacco. (Bu) Rastenievudni Nauk. 3(3):127-136. Ref. 1966. 64.8 R18
English summary.
Control of Thrips tabaci, vector of the disease.
- 14395 SVITIL, J. Control of hop aphids during 1965. (Cz) Chmelarstvi 38(2):19-20. Feb. 20, 1966. 70.8 C33

- 14396 TELENGA, N. A., SIKURA, A. I., and TRON, N. M. The after-effect of the infection of *Leptinotarsa decemlineata* by the Beauveria bassiana fungus. (Rus) Akad. Nauk SSSR. Dokl. 169(5):1239-1240. 1966. 511 P444A
- 14397 THYGESEN, T. Gall midge and crop rotation. (Da) Dansk Landbrug 85(9):255-257, Sept. 1966. 280,28 V91
Clinodiplosis equestris on grain.
- 14398 THYGESEN, T. The Swede midge (*Contarinia nasturtii* Kieff); observation in biology, survey of economic importance and control experiments. (Da) Tidsskr. Planteavl 70(2):179-197, map. Ref. 1966. 11 T439
English summary.
- 14399 TROUGHT, T. E. T. Farm pests; an aid to their recognition. Oxford, Blackwell, 1965. 32 p. SB931.T7
Includes illustrations of crop pests.
- 14400 URBAN, S. Mycosis of *Agrotis segetum* Schiff. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)19(3):81-82. 1965. 464.9 N11
Pest of field crops; caused by pathogenic *Paeecilomyces farinosus*.
- 14401 WALSTROM, R. J. Push research on control of alfalfa weevil. S. Dak. Farm Home Res. 17(2): 28,30,map. Spring 1966. 100 S082S
Hypera postica.
- 14402 WATSON, M. A., and HEATHCOTE, G. D. The use of sticky traps and the relation of their catches of aphids to the spread of viruses in crops. Rothamsted Exp. Sta. Rep. 1965:292-300. Ref. 1966. 103 R74Ga
- 14403 WEIGAND, G. On the control of barley pest *Agromyza nigrella* Rondani. (Ge) Gesunde Pflanzen 18(3):43-44,46-48. Mar.1966. 464.8 G33
- 14404 WENZL, H. Further tests with granulated insecticides in the control of virus diseases of potato stands. (Ge) Pflanzenarzt 19(3):27-28. Mar.1.1966. 464.9 P482
Against aphids as transmitters of disease.
- 14405 WHITCOMB, W. H., YORK, J. O., and SHOCKLEY, P. A. Systemic insecticides for control of the southwestern corn borer, *Zea diatraea grandiosella*. Kans. Entomol. Soc. J. 39(2): 267-270. Apr.1966. 420 K13
- 14406 ZLATANOV, S. Bioecological regularities in the numerical distribution of some insect pests as influenced by shelter belts. (Bu) Rastenievudn. Nauk. 3(2):91-100. Ref. 1966. 464.8 R18
English summary.
Adelphocoris lineolatus, Sitona and Eurygaster integriceps on wheat and alfalfa.
Pests of Fruit and Nut Crops
- 14407 BODOR, MRS. B. K. Preventing damage caused by *Abraxas grossulariata* L. (Hu) Kerteszeti Szolesz. 15(15):14. Aug.1966. 80 K474
Chemical control of gooseberry and currant pest.
- 14408 BOHM, H. Further observations on the rearing and introduction of the San Jose scale parasite, *Aspidiotus perniciosus* Tow., in Austria. (Ge) Pflanzenarzt 18(10):104. Oct.1.1965. 464.9 P482
Fruit pests.
- 14409 BOLLER, E. The influence of natural mortality factors on the cherry fruit fly (*Rhagoletis cerasi* L.) in the Northwest of Switzerland. (Ge) Schweiz. Landwirt. Forsch. 5(5):153-210. Ref. p.208-210. 1966. 17 Sch99
English summary.
- 14410 CALTAGIRONE, L. E., and BARNETT, W. W. Insecticides and integrated control in peaches. Calif. Agr. 20(5):5-6. May 1966. 100 C12Cag
Grapholitha molesta and *Anarsia lineatella*, as pests, and *Phanerotoma flavitesticata*, as parasites.
- 14411 CAREI, G. Results of olive fly [*Dacus oleae*] control. (It) Rass. Agr. Ital. 21(5):25-26. May 1966. 281.8 R18
- 14412 CHAPMAN, P. J. Key apple bud stages. Farm Res. [N. Y. Sta.] 32(1):6-7. Apr./June 1966. 100 N48A
Seasonal chemical pest control.
- 14413 COCHRAN, L. C. The phony disease of peach. U. S. Agr. Res. Serv. ARS 91-53:3-7. 1964, pub.1966. A41.9 R315Ar
Virus disease, transmitted by leafhoppers. Includes discussion.
- 14414 DAVIS, D. W., and KNOWLTON, G. F. Codling moth bait pan traps. Utah. State Univ. Ext. Entomol. Mimeo Ser. 110,2 p. Sept.1966. 275.29 UtlEn
Carpocapsa pomonella, pest of apples and pears.
- 14415 DZHASHI, V. S. Anatomic-biochemical transformations in flushes infested with tea moth larvae. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 3:45-52. Ref. 1965. 68.19 M28
English summary.
Parametriotes theae.
- 14416 FAN, H. C., and LIU, C. C. The insect vector and indicator plants of the citrus yellow-shoot disease. (Ch) Acta Phytophylactica Sinica 4 (3):219-224. Aug.1965. Not in Libr.
Toxoptera citridica as vector.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:3-4. Mar.3.1966. (JPRS 34,392; TT 66-30832) 241.7 Un34C
Issued by CFSIT.
- 14417 FONSECA, J. P. DA. A scale insect recently observed on orange trees in Sao Paulo. (Por) Biologico 31(10):216-219. Oct.1965. 442.8 B529
Parlatoria cinerea.
- 14418 GARTEL, W., and HERING, M. Gall midge larvae as parasites of sclerotomy of *Botrytis cinerea* Pers. on grape grafts packed in peat. (Ge) Weinberg Keller 12(12):563-570. Dec.1965. 95.8 W435
English summary.
- 14419 EL-GHAR, M. R. A., and EL-RAFIE, M. S. Control measures of date pests in Egypt. Soc. Entomol. Egypte. Bull. 48:291-301. 1964,pub. 1965. 420 E93
Insecticides.
- 14420 GIBSON, F. A. A survey of spider mites of deciduous fruit trees in New South Wales. Australian J. Sci. 29(1):21-22,map. July 1966. 475 Au72
Tetranychus urticae, chiefly.
- 14421 HERNANDEZ PAZ, M. The coffee cricket. (Sp) Rev. Cafetalera 60:14-16. Aug.1966. 68.28 R322
Includes *Idiarthron subquadratum*, *I. atripinum* and *Gongronemesis*, and their chemical control.
- 14422 HUFFAKER, C. B., and KENNETT, C. E. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). IV. Biological control of *Parlatoria oleae* (Colvee) through the compensatory action of two introduced parasites. *Hilgardia* 37(9):283-335. Ref. Mar.1966. 100 C12H
Aphytis maculicornis and *Coccophagoides utilis*.
- 14423 JENSEN, F. L. Grape leaf folder [*Desmia funeralis*] control with *Bacillus thuringiensis*. Calif. Agr. 20(7):2-3. July 1966. 100 C12Cag
- 14424 KANTA, S., RAI, B. K., and LAL, R. Comparative toxicity of insecticides to *Jamun* [*Eugenia jambolana*] leaf miner, *Acrocercops phaeospora* (Lepidoptera: Gracillariidae). Indian J. Entomol. 27(4):393-397. Dec.1965. 420 In23
- 14425 KENNETT, C. E., HUFFAKER, C. B., and EDNEY, G. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). III. The role of an autoparasitic aphelinid, *Coccophagoides utilis* Dout., in the control of *Parlatoria oleae* (Colvee). *Hilgardia* 37(9):255-282. Mar. 1966. 100 C12H
- 14426 KOVACEVIC, Z. Observations on the movement of populations of the Mediterranean fruit fly (*Ceratitis capitata* Vied.) on the Yugoslav Adriatic littoral. (Ge) Anz. Schädlingkunde 39(10):151-153. Oct.1965. 421 An9
Includes chemical control and biology.
- 14427 KRAMER, K. Control of the currant clearwing. (Ge) Gesunde Pflanzen 17(12):237-239. Dec.1965. 464.8 G33
Synanthedon tipuliformis.

- 14428 KULSHRESHTHA, J. P., SANGHI, P. K., and RAVINDRANATH, V. Microbial control of castor semilooper *Achoea janata*. Indian J. Entomol. 27(3):353-354. Sept. 1965. 420 In23
Bacillus thuringiensis; effects on caterpillars.
- 14429 LOMADZE, R. V. Results of the experimental use of Cidal, BI-58 and mesural against *Coccus hesperidum* on Grecian-laurel trees. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult't, Subtrop. Kult't, 3:119-124, Ref. 1965, 68,19 M28
English summary.
- 14430 MARSHALL, J. The codling moth out West. Can. Dep. Agr. Res. Br. Entomol. Newslett. 44(5):1-3. May 2, 1966. 423,92 C16
Includes control of *Carpocapsa pomonella*.
- 14431 MOHAMED, I. I. Host preference of the citrus brown mite, *Eutetranychus banksi* (McGregor). Soc. Entomol. Egypte. Bull. 48:163-170. 1964, pub. 1965. 420 Eg9
Sour lemons.
- 14432 MUHLMANN, H. On the reasons for fluctuations in the outbreaks of mealy bugs. (Ge) Weinberg Keller 12(1):3-6. Jan. 1965. 95,8 W435
English summary.
Wasps as predators of *Phenacoccus aceris*.
- 14433 MUMA, M. H. Mists vs. mites. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):18-19. July 1966. 100 F665u
Biological control of *Eutetranychus banksi*, a citrus pest, with *Eriomophthora floridana*.
- 14434 MUTHUKRISHNAN, T. S., and GOPALAN, M. Observations on the betel vine scale insect *Lepidosaphes cornutus* Ramakrishna, in Madras State. Indian J. Entomol. 27(3):361-363. Sept. 1965. 420 In23
Includes chemical control.
- 14435 PALMITER, D. H. Fungicides reduce arsenical injury. Farm Res. [N. Y. Sta.] 32(1):4-5. Apr./June 1966. 100 N48A
As correctives for injuries to apples, caused by lead arsenate in insecticides.
- 14436 PHILIPP, W. Is San Jose scale still a problem? (Ge) Gesunde Pflanzen 17(11):218-219. Nov. 1965. 464,8 G33
Aspidiotus perniciosus, fruit pest.
- 14437 REICHART, G. Fall plant protection in the garden. (Hu) Kiskert 5:2-3. In Kerteszet Szolész. 15(19). Oct. 1966. 80 K474
Fruit tree pest control, chiefly.
- 14438 REICHART, G. Summer damage caused by leaf roller moths. (Hu) Kiskert 4:2-3. In Kerteszet Szolész. 15(15). Aug. 1966. 80 K474
On fruit.
- 14439 ROSEN, H. VON. Beobachtungen über die Kirschruchfliege *Rhagoletis cerasi* (L.) in Schweden (Dipt., Tryptetidae) [Observations on the cherry fruit fly *Rhagoletis cerasi* (L.) in Sweden]. Swed. Stat. Vaxtskyddsanst. Medd. 13(102/103):153-167, map. Ref. 1965. 464,9 Sw3M
- 14440 ROSSI DE SIMONS, N. H. La "aramela parda" *Bryobia rubrioculus* (Scheuten) in la Republica Argentina [The "brown mite" *Bryobia rubrioculus* (Scheuten) in the Argentine Republic]. Rev. Invest. Agropecuar. Ser. 5, Patol. Veg. 1(4):39-46. Ref. 1964. 464,8 R322
English summary.
Pest of apples and peaches.
- 14441 SAROSPATAKY, GY. Grape mites are causing trouble this year also. (Hu) Kerteszet Szolész. 15(15):20-21. Aug. 1966. 80 K474
- 14442 EL-SAWY, S. E., and others. Role of soil insecticides in reducing fruit-fly infestation. Soc. Entomol. Egypte. Bull. 48:159-162. 1964, pub. 1965. 420 Eg9
A. Maher, F. M. Faris, and M. A. Ezzat, joint authors.
Control of pupae of *Ceratitis capitata*.
- 14443 SHARMA, P. L., and BHALLA, O. P. Studies on the control of San Jose scale *Quadraspidiotus perniciosus* (Comstock). Indian J. Entomol. 27(3):323-330. Sept. 1965. 420 In23
As fruit pest with oil insecticides.
- 14444 SRIVASTAVA, J. B., and SAXENA, B. P. *Euzophera perticella* Rag. (Pyralidae: Lepidoptera) as a stem borer of *Solanum aviculare* Forst. Indian J. Entomol. 27(4):487. Dec. 1965. 420 In23
Introduced from Australia into India as a drug plant.
- 14445 STENSETH, C. The black currant leaf midge (*Dasynura tetensi* Rubs.); investigations on the biology, control measures and the effect of attack on growth and yield. (No) Forsk. Forsok Landbruket 17(3):241-258. 1966. 11 F772
English summary.
- 14446 STENSETH, C. Solbagallmygg [The black currant midge]. Norway. Landbruksdep. Opplýsingstjenesten. Smaskr. 10,4 p. 1966. 464,4 N83
Dasynura tetensi.
- 14447 SUBRAMANIAM, T. R. A note on weevils damaging *Moringa* [oleifera]. Indian J. Entomol. 27(4):485-486. Dec. 1965. 420 In23
- 14448 TUNBLAD, B. Some gall mites on fruit trees. (Sw) Fruktodlaren 37(4):108-109. May 1966. 86 Sv2F
Vasates fockeui and *Eriophyes similis* on plums.
- 14449 TUNBLAD, B. Worms in apples. (Sw) Fruktodlaren 37(5/6):123-127. June 1966. 86 Sv2F
Chemical control of caterpillars.
- 14450 ZANARDI, D., and DELIGIA, S. Damage by *Rhynchites ruber* in the olive groves of Sardinia. (It) Colt. G. Vinicolo Ital. 111(12):392-398. Ref. Dec. 1965. 16 C72
- 14451 ZANARDI, D., and PINNA, F. *Metopoplax ditomoides* Costa, new pear parasite in Sardinia. (It) Colt. G. Vinicolo Ital. 112(8):243-247. Oct. 1966. 16 C72

Pests of Ornamentals, Greenhouses, and Nurseries

- 14452 BODOR, J. Sawflies on roses. (Hu) Kerteszet Szolész. 15(14):14. July 1966. 80 K474
As pests.
- 14453 CLERCQ, R. DE, and D'HERDE, J. Proliferation of the cactus root cochineal *Rhizoecus cacticans* Hambleton and damage caused in the culture of ornamental plants. (Fr) Rev. Agr. [Brussels] 19(7/8):801-808. July/Aug. 1966. 13 R322
English summary.
- 14454 FERNANDO, S. N. U. Insects commonly found in the teak nurseries of Ceylon. Ceylon Forest. (n.s.) 7(1/2):54-56. Jan./Dec. 1965. 99,8 C333
- 14455 GANGULI, R. N., and DAS, S. C. Biology and control of *Catopsilia crocale* Cramer (Lepidoptera: Pieridae) a pest on shade trees in tea. Indian J. Entomol. 27(4):460-465. Ref. Dec. 1965. 420 In23
Cassia siamea and *C. fistula* in nurseries.
- 14456 NIKOLOVA, V., and NATSKOVA, V. *Asterobemisia avellanae* (Signoret, 1868) (Homoptera, Aleyrodinae)—a new pest of the oil-bearing rose [Rose damascena] in Bulgaria. (Bu) Rastenievudni Nauk. 2(5):129-139. Ref. 1965. 64,8 R18
English summary.
Includes predators and parasites.
- 14457 THYGESEN, T., and BJERGGAARD, A. Control of the South African tortrix moth *Epichorista ionephela* (Meyr.) by fumigation in vacuum chambers. (Da) Tidsskr. Planteavl 70(2):224-231. 1966. 11 T439
English summary.
On carnation and *Chrysanthemum*.

Pests of Stored Products and Processed Commodities

- 14458 BADAWY, A., and HASSAN, H. M. Studies on a natural infestation of the khapra beetle, *Trogoderma granarium* granarium Everts, in stored wheat in the Sudan (Coleoptera: Dermestidae). Soc. Entomol. Egypte. Bull. 48: 273-280. Ref. 1964, pub. 1965. 420 Eg9

- 14459 BRUNETEAU, J. Detection of infestations in cereals. (Fr) Inform. Doc. Agr. 19(22):13-18, 22, Nov.15,1965. 14 In32
Caused by insects; grain storage.
- 14460 FALES, J. H., and others. Tests with a dichlorvos aerosol for control of cockroaches on busses. Pest Contr. 34(10):28-30. Oct. 1966. 449.8 Ex8
O. F. Bodenstern, G. D. Mills, A. H. Yeomans, and E. S. Fields, joint authors.
Blattella germanica.
- 14461 JOSHI, H. C., and KAUL, C. L. Studies on the protectivity of jute bags impregnated with organic insecticides against red flour beetle [Tribolium castaneum] and cigarette beetle [Lasioderma serricorne]. Indian J. Entomol. 27(4):491-493. Dec.1965. 420 In23
- 14462 KAMEL, A. H., FAM, E. Z., and EZZAT, MRS. T. M. Silica aerogels as grain protectants. Soc. Entomol. Egypte. Bull. 48:37-47. 1964, pub.1965. 420 Eg9
- 14463 KHARE, B. P. Starvation resistance of some coleopterous insect pests of stored grain. Indian J. Entomol. 27(4):489. Dec.1965. 420 In23
Trogoderma granarium, Tribolium castaneum, Rhyzopertha dominica.
- 14464 LAIBACH, E. Do moths feed off Perlon, nylon and man-made fibres? Spinner Weber Textil-veredlung 84(9):975-984. Ref. Sept.1966. 304.8 Sp41
Text also in German.
- 14465 LEPESME, P. Concerning possible utilization of calcined magnesia in the production of grains against weevils [Calandra granaria and C. oryzae]. 4 p. (TT 64-16705) Transl. 15981
Translation from Academie d'Agriculture de France. Comptes Rendus 24:669-672. 1938. Issued by CFSII.
- 14466 MATHUR, C. S., and VYAS, U. K. Insects that make inroads into your stored feeds and fodders. Indian Livestock 3(3):8-10. July/Sept. 1965. 49 In23
Includes chemical control.
- 14467 MCPHEE, J. R. Use of salicylic acid and derivatives for the protection of wool from insect attack. Nature [London] 212(5060):395-396. Oct.22,1966. 472 N21
Anthrenus flavipes and Tineola bisselliella.
- 14468 MOOKHERJEE, P. B., and others. Preliminary studies on the efficacy of malathion against Sitophilus oryzae and Tribolium castaneum and its persistence in stored wheat. Indian J. Entomol. 27(4):476-480. Dec.1965. 420 In23
Y. P. Beri, G. C. Sharma, and R. S. Dewan, joint authors.
- 14469 MYBURGH, A. C. Low temperature sterilization of false codling moth, Argyroploce leucotreta Meyr., in export citrus. Entomol. Soc. Southern Afr. J. 28(2):277-285. Dec.31,1965. 420 En86
- 14470 PAJANI, H. R. Bioassay of insecticides. III. Relative toxicity of films of different insecticides against the adults of Callosobruchus maculatus (F.) (Bruchidae; Coleoptera). Panjab Univ. Res. Bull. (n.s.)16(4):339-341. Dec. 1965. 513 Ea72
- 14471 PALYI, GY., and JUHASZ, E. Polarographic determination of the mothproofing agent Larviline by means of its adsorption at the dropping mercury electrode. (Hu) Magyar Kem. Folyoirat 72(7):285-291. Ref. July 1966. 385 M272
English summary.
- 14472 PUZZI, D., and others. Preliminary study on the use of phosphine and methyl bromide in the control of the grain beetle, Sitophilus oryzae L., in stored corn. (Por) Biologico 32(8):179-183. Aug.1966. 442.8 B529
G. Nogueira, A. Rigitano, and O. Baroni, joint authors.
- 14473 SCHOENHERR, W. H., RUTLEDGE, J. H., and WITT, P. R. Phostoxin. Brewers Dig. 41(10): 63-68, Oct.1966. 390.8 B75
Grain fumigant.
- 14474 SMEDLEY, C. Insect infestation in cocoa beans. Cocoa Growers' Bull. 7:23-25. Summer 1966. 68.38 C642
Chiefly Cadra cautella, warehouse moth.
- 14475 THOMAS, I. D. Insect and rodent elimination in food factories. Food Trade Rev. 36(9):50-52. Sept.1966. 389.8 F7334
- 14476 VASHKOV, V. I., and others. Insecticidal properties of various DDDV forms and the possibilities of their use for disinfection. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 7:24-29. July 1966. 448.3 Z44
V. P. Dremova, A. V. Starkov, A. P. Volkova, M. V. Sidorova, V. I. Katunina, V. D. Larionova, and K. M. Erina, joint authors.
Control of household insects.

APICULTURE AND APIS MELLIFERA

- 14477 ANDERHUB, M. The problem of interesting youth in apiculture and other problems of the Sections. (Ge) (Condensed) Schweiz. Bienen-Zeitung (n.s.)89(9):394-401. Sept.1966. 424.8 Sch9
- 14478 ANDERSON, L. D., and ATKINS, E. L. 1965 research on the effect of pesticides on honey bees. Amer. Bee J. 106(6):206-208. June 1966. 424.8 Am3
- 14479 BELAKOVA, A. Bees (Apoidea) as pollinators of some of Czechoslovak cultivated and wild plants. (Cz) Entomol. Probl. 6:77-124. Ref. 1966. QL461.E5
English summary.
Includes Apis mellifera.
- 14480 BITTNER, A. Noteworthy publications in the German language, professional apicultural press for the year 1965. (Ge) Deut. Bienen-wirtschaft, 17(9):257-259. Sept.1966. 424.8 D489
- 14481 CANNAMELA, S. Italian apiculture in 1965. (It) Apicolt. Ital. 33(7):145-148. July 1966. 424.8 Ap372
Includes trade statistics for honey.
- 14482 CANTWELL, G. E., and others. Mortality of the honey bee, Apis mellifera, in colonies treated with certain biological insecticides. J. Invertebrate Pathol. 8(2):228-233. Ref. June 1966. 421 J826
D. A. Knox, T. Lehnert, and A. S. Michael, joint authors.
Polyhedrosis and granulosis viruses and Bacillus thuringiensis.
- 14483 DOUAULT, L. Study of the external contamination of the bee and its environment by a radio-isotope introduced into the nutriment. (Fr) Ann. Abeille 9(1):37-45. 1966. 424.9 F842
English summary.
With radioactive phosphorus.
- 14484 DOULL, K. M., and PURDIE, J. D. Field tests with Krawaite pollen supplement. Amer. Bee J. 106(6):210-211. June 1966. 424.8 Am3
Australia.
- 14485 DREER, K. Toxicity of fluorine to bees. (Rus) Pchelovodstvo 7:37-38. July 1966. 424.8 P295
- 14486 FISCHER, G. Harvest report for 1966. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(10):452-459. Oct.1966. 424.8 Sch9
Includes condition of the colonies and average yield per colony.
- 14487 GERIG, L. The bee colony in an exposition. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(10):469-471. Oct.1966. 424.8 Sch9
Observation hives help in recruiting.
- 14488 GIROTTI, A. Report on the relations between apiculture and agriculture. (It) Apicolt. Ital. 33(7):142-144. July 1966. 424.8 Ap372
Chiefly toxicity of economic poisons to bees.
- 14489 GYUMISHYAN, B. G., and ABRAMYAN, A. A. Increasing the yield of certain forage crops by using bees. (Arm) Armenian SSR. M-vo Proiz-va i Zagotovok S.-Kh. Produktov. Izv. 8/9:67-69. 1964. Not in Libr.
As pollinators of red clover, sunflowers, and alfalfa.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 53, Zhivotnovod. Vet. 14:23. July 1965.
Film S-205

- 14490 HAUCK, E. The Bee Institute at Marburg [Marburger Bieneninstitut] in its new home as the Hessian Educational and Experimental Institute for Apiculture, Marburg/Lahn [Hessische Lehr- und Versuchsanstalt für Bienenzucht, Marburg/Lahn] in Kirchhain, (Ge) Deut. Bienenwirtsch. 17(9):251-254, Sept. 1966, 424.8 D489
Transferred from the Landesverband Hessischer Imker to the jurisdiction of the Land- und Forstwirtschaftskammer Kassel.
- 14491 JOHANSEN, C. A. Digest on bee poisoning, its effects and prevention with an annotated list of 92 insecticides. Bee World 47(1):9-25, Spring 1966, 424.8 B399
- 14492 JUNG-HOFFMANN, I. Apiculture and postage stamps, (Ge) Deut. Bienenwirtsch. 17(9):266-267, Sept. 1966, 424.8 D489
- 14493 JUNG-HOFFMANN, I. On the origin of queens, (Ge) Deut. Bienenwirtsch. 17(9):241-245, Sept. 1966, 424.8 D489
- 14494 KOBEL, F. Testing two places for their suitability as queen-mating stations, (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(10):437-448, map, Oct. 1966, 424.8 Sch9
Secure against drones.
- 14495 MAKAROV, YU. I. Spiders that kill bees, (Rus) Pchelovodstvo 7:29, July 1966, 424.8 P295
- 14496 MCGILL, W. Bee keeping—preparing for winter, Agr. Northern Ireland 41(5):156-157, Sept. 1966, 256.13 Ag82M
In Northern Ireland.
- 14497 MUXFELDT, H. Apicultura para todos [Apiculture for all], v. 1. Porto Alegre, Universidade Federal do Rio Grande do Sul, 1965, 287 p. Bee Cul. SF531.M8
- 14498 NOLD, G. Pure line breeding—illusion or reality? (Ge) Deut. Bienenwirtsch. 17(9):246-250, Sept. 1966, 424.8 D489
- 14499 PAIN, J. Pollens stored in the hive and their effect on the physiology of worker bees, (Fr) Ann. Nutr. Aliment. 20(4):393-396, 1966, 389.8 An73
English summary.
- 14500 PALINKAS, G. E. Acariosis of honey bees and its first occurrence in Hungary, (Hu) Magyar Allatorv. Lapja 21(8):340-342, Ref. Aug. 1966, 41.8 V644
English summary.
Caused by Acarapis woodi.
- 14501 PETKOV, V. Spread and economic importance of the Nosema disease in bees in Bulgaria, (Bu) Vet. Med. Nauk. 3(2):195-202, map, Ref. 1966, 41.8 V6468
English summary.
- 14502 RENNER, M. Time and space in the life of the bee, Natur. Hist. 75(8):53-57, Oct. 1966, 500 N483J
In flight.
- 14503 RIEDEL, S. M., and SHIMANUKI, H. A conopid fly [Physocephala texana] parasite found in the honey bee, J. Invertebrate Pathol. 8(2):272-273, June 1966, 421 J826
- 14504 RIHAR, J. Types and effects in the use of Slovenian honey, (Sl) Soc. Kmetijstvo Gozdarstvo 17(2):35-36, Feb. 9, 1966, 21.5 So14
Chiefly therapeutic use.
- 14505 ROGER, B., and PAIN, J. The influence of the queen bee (Apis mellifica L.) on the mortality rate of the attendant workers, (Fr) Ann. Abeille 9(1):5-36, Ref. 1966, 424.9 F842
English summary.
- 14506 SMIRNOV, A. M. Tests of gases used for sanitation in bee husbandry, (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:124-125, Aug. 1966, 20 V633
Control of foulbrood.
- 14507 TOWNSEND, G. F., and ROBERTS, W. C. A beekeeping journey to Greece and Yugoslavia. (Concl.) Amer. Bee J. 106(6):2-2-213, June 1966, 424.8 Am3
- 14508 VAZQUEZ-COLON, L., and ELLIOTT, W. B. On the response of rat liver mitochondria to treatment with bee venom, Toxicon 4(1):61-63, June 1966, 391.8 T66
- 14509 VESELY, F., and LUCKY, Z. A contribution to the study of seasonal dynamics of Nosema disease of bees in the Bohemian-Moravian Plateau, (Ge) Brno, Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:171-180, Ref. 1966, 105.92 B833
Caused chiefly by Nosema apis.
- 14510 WEAVER, N. The foraging behavior of honeybees on hairy vetch. III. Differences in the vetch, Insectes Sociaux 12(4):321-325, Dec. 1965, 421 In76
Apis mellifera.
- 14511 WIDEBRANT, E. Responsibility of the beekeeper, (Sw) Skaraborgs Lans Hushallnings-sallsk. Tidsn. 4:67-69, Aug. 1966, 11 Sk1
Control of bee diseases.
- 14512 WILLE, H. Excerpts from the Report of activity of the Bee Division embracing the years 1962 to 1964, (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(9):403-411; (10):460-467, (Cont.) Sept.-Oct. 1966, 424.8 Sch9
Research programs.

SERICULTURE AND THE SILKWORM

- 14513 ALEKSANDROV, YU. M. Investigation on serological interrelations between polyhedron protein and nuclear polyhedrosis virus of some Lepidoptera, (Uk) Mikrobiol. Zhur. 27(6):80-84, Ref. 1965, 448.3 K54
English summary.
Bombyx mori and Galleria mellonella.
- 14514 BOHACH, A. V., ZOLOTVERKHA, I. M., and KYRYCHENKO, O. I. Significance of light and temperature in the reproduction of Porthetria dispar L. and Bombyx mori L. (Uk) Akad. Nauk Ukr. RSR. Dopovidi 6:825-827, 1966, 511 K54
English summary.
- 14515 BOHACH, A. V. Some peculiarities of sex cell formation in the silkworm (Bombyx mori L.) at various stages of development, (Uk) Akad. Nauk Ukr. RSR. Dopovidi 7:951-954, 1966, 511 K54
English summary.
- 14516 CHYSTYAKOVA, A. V., DOBROVOL'S'KA, H. M., and FOK, I. P. On the structure of DNA isolated from silkworms [Bombyx mori] infected by the virus of nucleic polyhedrosis, (Uk) Akad. Nauk Ukr. RSR. Dopovidi 5:643-646, 1966, 511 K54
English summary.
- 14517 DAILLIE, J., and PRUDHOMME, J. C. Survival of the silk-forming gland of the silkworm in vitro, (Fr) Ann. Nutr. Aliment. 20(4):353-360, 1966, 389.8 An73
Includes discussion.
- 14518 DOBROVOL'S'KA, H. M., and others. Biological activity of DNA preparations isolated from silkworm tissues infected with nuclear polyhedrosis virus, (Uk) Mikrobiol. Zhur. 27(6):73-77, Ref. 1965, 448.3 K54
I. P. Kok, I. A. Smynova, and A. V. Chystyakova, joint authors.
English summary.
Bombyx mori.
- 14519 FILIPPOVICH, YU. B., and BUNGOVA, V. G. Amino acid metabolism in the silkworm [Bombyx mori] larvae, (Rus) Biokhimiya 31(3):631-635, Ref. May/June 1966, 385 B523
English summary.
- 14520 GRZELAK, K., and LASSOTA, Z. The effect of gamma-rays on the acetylcholine level in insects, Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(6):391-395, Ref. 1966, 512 W262
In Bombyx mori and Celerio euphorbiae.
- 14521 HUKUHARA, T., and HASHIMOTO, Y. Serological studies of the cytoplasmic- and nuclear-polyhedrosis viruses of the silkworm, Bombyx mori, J. Invertebrate Pathol. 8(2):234-239, June 1966, 421 J826
- 14522 HUKUHARA, T., and HASHIMOTO, Y. Studies of two strains of cytoplasmic-polyhedrosis virus, J. Invertebrate Pathol. 8(2):184-192, Ref. June 1966, 421 J826
In Bombyx mori and Malacosoma neustria testacea.

- 14523 ITO, T., and ARAI, N. Nutrition of the silkworm, *Bombyx mori*. XI. Requirements for aspartic and glutamic acids. *J. Insect Physiol.* 12(7):861-869. Ref. July 1966. 421 J825
- 14524 ITO, T., and HORIE, Y. Utilization of sterols and related compounds by the silkworm, *Bombyx mori* L. *Annot. Zool. Jap.* 39(1):1-6. Ref. Mar. 1966. 410 An79
- 14525 KANYUKA, V. YU. Activation of the latent virus of nuclear polyhedrosis under the effect of *Tipula* iridescent virus. (Ukr) *Mikrobiol. Zhur.* 27(6):77-80. Ref. 1965. 446.3 K54
English summary.
Injected in *Bombyx mori* and *Galleria mellonella*.
- 14526 KOVAL'CHUK, L. YA. Dependence of manifestations of heterosis in silkworm hybrids on genetic and ecological factors. (Ukr) *Akad. Nauk Ukr. RSR. Dopovidi* 4:533-535. Ref. 1966. 511 K54
English summary.
Bombyx mori.
- 14527 KOZLOV, E. A., SOGULYAEVA, V. M., and SEREBRYANYI, S. B. Study of primary structure of virus proteins of silkworm nuclear polyhedrosis. (Rus) *Ukr. Khim. Zhur.* 32(8):875-878. Ref. 1966. 385 K54
Bombyx mori.
- 14528 LASSOTA, Z. Intestinal damage and water imbalance in gamma-irradiated larvae of *Bombyx mori*. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):293-296. 1966. 512 W262
- 14529 MURAKAMI, A. Relative biological effectiveness of 14 MeV neutrons to gamma-rays for inducing mutations in mature sperm of the silkworm. *Jap. J. Genet.* 41(1):17-26. Ref. Feb. 1966. 442.9 J27
- 14530 ROBERTS, D. W. Toxins from the entomogenous fungus *Metarrhizium anisopliae*. II. Symptoms and detection in moribund hosts. *J. Invertebrate Pathol.* 8(2):222-227. June 1966. 421 J826
Bombyx mori and *Galleria mellonella*.
- 14531 SAMOKHVALOVA, G. V., BYLINKINA, A. A., and KOMOVA, A. D. Effect of food quality upon viability and productivity of the silkworm [*Bombyx mori* L.] in summer. (Rus) *Zool. Zhur.* 45(6):875-883. Ref. 1966. 410 R92
English summary.
Mulberry as feed.
- 14532 SHIGEMATSU, H., TAKESHITA, H., and ONODERA, S. Incorporation of glycine- C^{14} into fibroin in subcellular fractions of the posterior silk gland of the silkworm, *Bombyx mori*, L. *J. Biochem.* 60(2):140-146. Ref. Aug. 1966. 385 J822
- 14533 SMYK, D. Utility value estimate of mulberry silkworm hybrids (*Bombyx mori* L.) between breeds with white and yellow cocoons. (Pol) *Rocz. Nauk Roln.* 85-B-3:463-491. Ref. 1965. 20.5 R59
English summary.
- 14534 TAKAHASHI, S. Studies on ribonucleic acid in the fat body of *Philosamia cynthia ricini* Donovan (Lepidoptera) during development. *J. Insect Physiol.* 12(7):789-801. Ref. July 1966. 421 J825
- 14535 YAMAFUJII, K., and TONOKAWA, M. Induction of polyhedral virus by organic peroxide and nitrosamine compounds. *Enzymologia* 29(3/5):121-125. Ref. June 11, 1965. 390.08 En9
From *Bombyx mori*.
- 14536 ZOLOTVERKHA, I. M. Effect of temperature and light on the development of oak egger pupae [*Antheraea pernyi*]. (Ukr) *Akad. Nauk Ukr. RSR. Dopovidi* 5:673-676. 1966. 511 K54
English summary.
- 14537 ZOLOTVERKHA, I. M. Variation in the quantity of fat and water in oak egger [*Antheraea pernyi*] pupae depending on the effect of photothermal conditions. (Ukr) *Akad. Nauk Ukr. RSR. Dopovidi* 7:955-958. 1966. 511 K54
English summary.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 14538 BARTON, J. A. Low calorie meals. Va. Polytech. Inst. Ext. Leaflet 131, 4 p. Sept. 1966. 275.29 V81L
- 14539 BARTON, J. A. Meal planning. Va. Polytech. Inst. Ext. Leaflet 299, 6 p. Oct. 1966. 275.29 V81L
- 14540 BUDAPEST, ORSZAKOS ELEMZES-ES TAPLALKOZASTUDOMANYI INTEZET. Yearbook (of the National Feeding and Nutrition Science Institute), 1965. Budapest, 1966. 90 p. 241.64 B852Ae
English edition of its Evkonyv.
- 14541 DEMA, I. S. Nutrition in relation to agricultural production; a manual for extension supervisors in agriculture, home economics, rural health, community development and for workers in other fields related to nutrition in Nigeria and the countries of west Africa. Rome, Food and Agriculture Organization of the United Nations, 1965. 123 p. TX360.N53D4
Bibliography, p.116-121.
- 14542 EGGERS, H. Practical artificial infant nutrition and the feeding of small children in creches and homes. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4): 598-604. Ref. 1965, 386,3 P84
- 14543 GATZSCHE, L. The importance of lactulose for infant nutrition. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4): 641-645. Ref. 1965, 386,3 P84
- 14544 HELLER, C. A. Meat consumption at three northern Eskimo villages. In Wilimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.1109-1111. 1966. QH105.A4W5
Estimated from mean daily protein intake.
- 14545 HITCHCOCK, N. E., and ENGLISH, R. M. Nutrient intake during lactation in Australian women. Brit. J. Nutr. 20(3):599-608. 1966. 389.8 B773
- 14546 KIES, C., and FOX, H. M. Research for a hungry world. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):7-8. Summer 1966. 100 N27N
- 14547 KIRCHMAIR, H. Infant nutrition—instinct, advertising, science. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4): 592-597. 1965, 386,3 P84
- 14548 KUHNAU, J. Man and his nutrition. (Ge) Ernahr.-Umsch. 13(8):244-246. Aug. 1966. 389.8 Er66
Essay on various aspects of human nutrition.
- 14549 LANDGREBE-WOLFF, I. Nutritional education: functions, methods, purpose. (Ge) Ernahr. Lehre Praxis 8:25-26. In Ernahr.-Umsch. 13(8). Aug. 1966. 389.8 Er66
- 14550 NUTRITION FOUNDATION. Twenty-fifth anniversary report, 1965/66. n.p., 1966. 83 p. 389.9 N95
Research.
- 14551 PLENERT, W. Fermented milks in infant nutrition. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4):605-610. 1965. 386,3 P84
Review of the literature.
- 14552 PLENERT, W., GASSMANN, B., and HEINE, W. The problem of protein requirements of infants. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4):611-621. Ref. 1965, 386,3 P84
- 14553 POTSDAM, INSTITUT FUR ERNAHRUNG. Work of the Institute of Nutrition in the year 1964. (Ge) Potsdam, Inst. Ernahr., Ernahrungsforsch. Ber. Mitt. 10(4):543-589. 1965. 386,3 P84
- 14554 SCRIMSHAW, N. S. Applications of nutritional and food science to meeting world food needs. Nat. Acad. Sci. Proc. 56(2):352-359. Ref. Aug. 15, 1966. 500 N21P
- 14555 SYMPOSIUM ON PRESENT AND FUTURE INTERNATIONAL PROBLEMS OF COMMUNITY FEEDING. [Abstracts of papers.] (Ge) Ernahr.-Umsch. 13(8):260-262. Aug. 1966. 389.8 Er66
Prepared by M. Zobel.
- 14556 TAYLOR, C. M., and PYE, O. F. Foundations of nutrition. Ed. 6. New York, Macmillan, 1966. 564 p. QP141.T3
- 14557 TAYLOR, E. C., HOLLINGSWORTH, D. F., and CHAMBERS, M. A. The diet of the Tristan da Cunha Islanders. Brit. J. Nutr. 20(3):393-411. Ref. 1966. 389.8 B773
- 14558 TOWNSEND, R. O. Nutrition affects bone development. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):16-17. July 1966. 100 F66Su
Children.
- 14559 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Eggs in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 103, slightly rev., 32 p. Aug. 1966. 1 Ag84Hg

FOOD HABITS

- 14560 AYLWARD, F. Food habits in western tropical Africa. Chem. Indus. 39:1624-1627. Ref. Sept. 24, 1966. 382 M31C
- 14561 LOLLIG, G. The goals of efficiency and inefficiency. N. Y. Acad. Sci. Ann. 133(3):803-807. Sept. 23, 1966. 500 N484
Includes food habits.
- 14562 MARKHAM, J. E. Sociological aspects of alcohol and food deviations. N. Y. Acad. Sci. Ann. 133(3):814-819. Ref. Sept. 23, 1966. 500 N484
Food habits.
- 14563 WHITEMAN, J. A study of beliefs and attitudes towards food in a New Guinea low-cost housing settlement. Trop. Geogr. Med. 18(2):157-166. June 1966. 448.8 D65

NUTRITIVE AND VITAMIN CONTENT

- 14564 ALTSCHUL, A. M. Soy protein in the world food economy. Soybean Dig. 26(12):54-56, 58. Sept. 1966. 60.38 S09

FORESTRY

GENERAL

- 14565 ALDRICH, R. C. Forestry applications of 70 mm color. Photogram. Eng. 32(5):802-810. Ref. Sept. 1966. 325.28 P56
- 14566 ASSOCIATION FORESTIERE QUEBECOISE. XXVIIe rapport annuel, 1965 [XXVIII annual report, 1965 of the Quebec Forestry Association]. Quebec, 1965. 71 p. 99.9 AS74R English summary.
- 14567 BOTWIN, M. Methods of linear programming as applied to forestry needs. (Pol) Sylwan 110(2):17-25. Ref. 1966. 99.8 Sy52 English summary.
- 14568 DELBRUCK, G. Forestry crisis in North Rhine Westphalia. (Ge) Forst- Holzwirt 21 (17):369-374. Sept. 8, 1966. 99.8 F7724
- 14569 DOMNIK, H. The Oxford classification. (Ge) Sozialistische Forstwirtschaft. 16(7):221-222. July 1966. 99.8 W143 In forestry.
- 14570 ESQUIVIAS, M. Panoramic view of the forests of Sweden. (Sp) Mex. Bosques 3(5):14-19. Sept/Oct. 1965. 99.8 M573
- 14571 FALLER, J. Notes of a contemporary on the founding of the periodical "Erdeszeti Lapok." (Hu) Erdo 15(8):354-356. Aug. 1966. 99.8 Er22 German summary.
- 14572 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. LATIN AMERICAN FORESTRY COMMISSION. Report of the ninth session, held in Curitiba, Brazil, November 5-12, 1964. Rome, 1966. 47 p. 99.9 L342
- 14573 FRUHWIRTH, J. Forestry of Austria. (Rum) Ref. Padurilor 81(6):315-321, map. June 1966. 99.8 R327
- 14574 GOLDMAN, D. National parks and the ecology of beauty. Amer. Forests 72(11):18-21, 46, 48, 50, 52. Nov. 1966. 99.8 F762
- 14575 GRUT, M. Forestry and forest industry in South Africa. Cape Town, Balkema, 1965. 115 p., map. Ref. SD242.86G7
- 14576 HEYMANOWSKI, K. History of Kampinos Forest until the half of XIXth century. (Pol) Sylwan 110(2):1-15, map. 1966. 99.8 Sy52 English summary.
- 14577 HILLER, I. Documentation activity of the Central Library of the University for Forestry and Wood Industry [Erdeszeti es Faipari Egyetem Kozponti Konyvtara]. (Hu) Mezogazdasagi Konyvtarosok Tajekoztatoja 2:19-22. 1966. 243.8 M57
- 14578 KREISBERG, J. Sources of scientific-technical documentation concerning tropical wood. (Pol) Sylwan 110(5):55-62. 1966. 99.8 Sy52
- 14579 KREUTZINGER, M. Instytut Badawczy Lesnictwa; 35 lat rozwoju i dzialalnosci, 1930-1965. Forest Research Institute: 35th anniversary of its development and activities. Warszawa, 1965. 75 p. SD239.P7K7 English summary.
- 14580 KREUTZINGER, M. International Union of Forest Research Organizations: outline of history and activities. (Pol) Sylwan 110(2):79-90. 1966. 99.8 Sy52
- 14581 MORON, I. Israel and its forestry. (Sp) Silvicultura 15(23):5-67, map. Ref. Oct. 1965. 99.8 S132 English summary.
- 14582 PARTYKA, T., and REGULSKI, K. Problems of forestry according to its present and future position in national economy. (Pol) Sylwan 110(5):27-43. 1966. 99.8 Sy52 English summary.
- 14583 PETRACK, J. Various economic aspects of the formation of forest production stands. (Sp) Mex. Forest. 39(6):17-20. Nov./Dec. 1965. 99.8 M57
- 14584 PRZYBYLSKI, T. Forest and forestry in Vietnam. (Pol) Sylwan 109(3):63-68. 1965. 99.8 Sy52
- 14585 REFERENCES on forestry and forest products-1965. Rehovot, Nat. Univ. Inst. Agr. Forest. Div. Leaflet 27.3 p. Apr. 1966. 99.9 IL1
- 14586 SALLI, E. How much wood do we have? (Hu) Erdo 15(8):337-346. Aug. 1966. 99.8 Er22 Forestry outlook.
- 14587 SLAMA, O. The control points for classification of different types of two-way radio stations for the third circuit dispatching system (forest district). (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnicke 2:171-183, map. Ref. 1966. 105.92 B833 English summary.
- 14588 SVETLICIC, A. Analysis and programming in forestry. (Sl) Les [Ljubljana] 18(5/7):81-83. 1966. 99.8 L564 English summary.
- 14589 THIESMEYER, L. R. The promise of technology. Pulp Pap. Mag. Can. 67(10):93-97. Oct. 1966. 302.8 P96 Includes forestry, logging and pulping technology.
- 14590 TYSZKIEWICZ, S. On 35th anniversary of the Forest Research Institute [Instytut Badawczy Lesnictwa]. (Pol) Sylwan 109(4):1-8. 1965. 99.8 Sy52 English summary.
- 14591 WARSAW. INSTYTUT BADAWCZY LESNICTWA. Instytut Badawczy Lesnictwa; informator [Forest Research Institute; a directory], edited by M. Pisarska. Warszawa, Panstwowe Wydawnictwo Rolnicze i Lesne, 1965. 83 p. SD239.P715

EDUCATION

- 14592 BERNADZKA, I. Forest education and experimentation in Switzerland. (Pol) Sylwan 110 (5):81-86. 1966. 99.8 Sy52
- 14593 FINLAYSON, W. Papua and New Guinea Forestry School. Commonwealth Forest. Rev. 45 (3):230-235. Sept. 1966. 99.8 Em72
- 14594 GRAUER, W. School endowment plantations. Victoria. Forest Comm. Forest. Tech. Pap. 17: 14-16. June 1966. 99.9 V66F
- 14595 JANSSON, N. Future of forestry schools. (Sw) Skogen [Stockholm] 53(5):114. Mar. 3, 1966. 99.8 Sk51
- 14596 KIENTZ, E., and JAHNEL, H. On the 150 years of history in teaching and research in Tharandt. 7-8. (Ge) Sozialistische Forstwirtschaft. 16(7):216-219. July 1966. 99.8 W143 Various Institutes of Forest Science [Institut fur Forstwissenschaften].
- 14597 MEYER, H., and HEMPEL, W. The 150 years history of teaching and research in Tharandt. 5-6. (Ge) Sozialistische Forstwirtschaft. 16(6): 184-187. June 1966. 99.8 W143 The Institute of Forest Mensuration [Institut fur Forstliche Ertragskunde] and the Forest Library [Forstliche Bibliothek].
- 14598 MEYER, J. R. Impressions of some European forestry schools. J. Forest. 64(11):753-754. Nov. 1966. 99.8 F768

FOREST RESOURCES

- 14599 AKADEMIYA NAUK SSSR. SIBIRSKOE OTDEL'ENIE. BIOLOGICHESKII INSTITUT. Lesa Gornogo Altaya [Forest resources of Altai Mountains]. Moskva, Nauka, 1965. 224 p. Ref. SD232.G6A35
- 14600 DATTA, K. Some phytogeographical and economic aspects of the genus Sterculia. Indian Forest. 92(8):510-516, map. Ref. Aug. 1966. 99.8 In2
- 14601 GANSNER, D. A. Timber resources of Missouri's southwestern Ozarks. Mo. Agr. Exp. Sta. Res. Bull. 945, 51 p., map. Jan. 1966. 100 M693
- 14602 U. S. Department of Agriculture, cooperating. HALLE, N., and HALLE, F. Presentation of some simple woody forms from the Belinga (Gabon) forest. (Fr) Biol. Gabonica 1(3):247-255. 1965. 410 B523

- 14603 LARSON, G. B. Whitaker's Forest, Amer. Forests 72(9):22-25,40-42. Sept.1966. 99.8 F762
In California.
- 14604 MCKNIGHT, J. S. Hardwood foresters eye the Atchafalaya Basin. Forests People 16(3):34-36, map. Third Q.1966. 99.8 F7628
- 14605 POBEDINSKII, A. V. Sosnoye lesa Srednei Sibiri i Zabaikal'ya [Pine forests in central Siberia and Transbaikalia]. Moskva, Nauka, 1965. 268 p., map. Ref. SD397.P55P6
- 14606 STEFANSSON, E. New forests in Norrland. (Sw) Skogen [Stockholm] 53(5):104-106,126. Mar.3,1966. 99.8 Sk51
- 14607 TUMILOWICZ, J. Silver fir (*Abies alba* Mill.) in forests of Mazury-Podlasie region. (Pol) Sylwan 110(5):1-17, map. Ref. 1966. 99.8 Sy52
English summary.
- 14609 U. S. FOREST SERV. INTERMOUNTAIN REGION. Challis National Forest, Idaho. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.C5A5
- 14609 U. S. FOREST SERV. INTERMOUNTAIN REGION. Targhee National Forest, Idaho and Wyoming. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.T3A5
- 14610 U. S. FOREST SERV. INTERMOUNTAIN REGION. Wasatch National Forest, Utah and Wyoming. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.W3A5
- 14611 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Deschutes National Forest, Oregon. Portland, Oregon, 1965. 36 p.-folder, map. aSD428.D4A5
- 14612 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Fremont National Forest, Oregon. Portland, Oregon, 1965. 32 p.-folder, map. aSD428.F7A5
- 14613 WESTERNACHER, E. Hesse—part of the Federal Republic richest in forests. (Ge) Mitt. Deut. Landwirt.-Ges. 81(21):930-932. May 26, 1966. 18 N39
- 14614 ZARKHINA, E. S. Mongolian poplar, *Populus suaveolens* Fisch. in upper Amur Basin. (Rus) Bot. Zhur. [Moscow] 51(3):411-416. Ref. Mar.1966. 451 R923
Description of forests.
- FOREST INFLUENCES**
- 14615 AUJESZKY, L. Atmospheric frontal zones in the forest. (Hu) Erdo 15(8):356-358. Aug. 1966. 99.8 Er22
- 14616 BOULLARD, B. Climate and forests. (Fr) Forêt Privée 47:75-80. Jan./Feb.1966. 99.8 F7697
- 14617 BRABANDER, H. D. Evaluation of social functions of forest. (Ge) Forst- Holzwirt 21(17):386,388-392. Ref. Sept.8,1966. 99.8 F7724
Includes recreational aspects.
- 14619 JUNGHANS, H. Sunlight and shade on the edges of forest stands. Arch. Forstwesen 15(4):441-451. Ref. 1966. 99.8 Ar22
English summary.
- 14619 LEB, R., and BAUMGARTNER, A. The topography and insolation climate of a mountainous forest area. Forest Sci. 12(3):258-267, map. Ref. Sept.1966. 99.8 F7632
- 14620 LONBERGER, T. E. National forest water yield management in alpine and sub-alpine areas. West. Snow Conf. Proc., 33d Annu. Meeting:109-112. 1965. 340.9 W52
- 14621 OLSZEWSKI, J. Rainfall measurements in Quercus-Carpinetum medioeuropaeum Tuxen 1936 in Bialowieza National Park. (Pol) Sylwan 109(3):27-32. Ref. 1965. 99.8 Sy52
English summary.
- 14622 PAIVANEN, J. The effect of a tree stand and low shrub vegetation on throughfall in drained swamps. (Fi) Suo 17(3):48-51. July 25,1966. 54.8 Su7
English summary.
- 14623 SERAFIMOV, V. Distribution of precipitation in some pine and spruce type forests. (Bu) Gorskostopanska Nauk. 2(3):199-204. 1965. 99.8 G683
French summary.
- 14624 SHANTUNG PROVINCIAL INSTITUTE OF FORESTRY. A demonstrative project of forestation for soil and water conservation in the mountains. (Ch) Scientia Silvae 10(3):205-208. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:1-2. Feb.23,1966. (JPRS 34,245 TT 66-30686) 241.7 Un34C
Issued by CFSIT.
- 14625 SINGH, P. The menace of watersheds. Indian Forest. 92(8):504-506. Aug.1966. 99.8 In2
Role of forests in preventing possible floods.
- 14626 TRESHCHEVSKII, I. V. Determination of economic value of the windbreaks. (Rus) Vestnik Sel'skhoz. Nauk. [Moscow] 7:118-121. July 1966. 20 V633
English summary.
- 14627 VELASCO, F., and ALBAREDA, J. M. The influence by plantation of *Pinus silvestris* on the soil evolution in a forest of *Quercus pyrenaica*. (Sp) An. Edafol. Agrobiol. 24(11/12):623-631. Ref. Nov./Dec.1965. 506 Sp12
English summary.
Effect on soil fertility and humus formation.
- 14628 VEZINA, P. E., and BOUTLER, D. W. K. The spectral composition of near ultraviolet and visible radiation beneath forest canopies. Can. J. Bot. 44(10):1267-1284. Ref. Oct.1966. 470 C16C
- 14629 WARSAW PANSTWOWY INSTYTUT HYDROLOGICZNO-METEOROLOGICZNY. Wyniki pomiarow na lnych stacjach meteorologicznych [Results of meteorological observations carried out at the forest stations], 1959. Warszawa. 1965. 319 p. (Seria: Roczniki) 345 W26Wy
Text also in French.
Observations on five biotopes.
- FOREST INJURIES AND PROTECTION**
- 14630 BAC, S. Reasons and effects of a drought in forests of Lower Silesia in 1960. (Pol) Sylwan 109(5):1-13, map. Ref. 1965. 99.8 Sy52
English summary.
- 14631 BOCHENSKI, A., LEWINSKA, J., and RZYMKOWSKI, A. Influence of the relief of landscape upon windfall occurrence in mountains. (Pol) Sylwan 110(1):15-28, map. 1966. 99.8 Sy52
English summary.
- 14632 CHANDRA, L. Flooding; effects of flooding on trees. Advancing Frontiers Plant Sci. 12:161-180. Ref. Aug.1965. 452.4 V81
- 14633 GOLFARI, L., and COZZO, D. Effects of the intense drought of 1964/1965 in pine stands of the Concordia region of Rios. (Sp) Rev. Forest. Argentina 10(1):7-11. Jan./Mar.1966. 99.8 R3252
- 14634 LUITJES, J. Frost injuries of forests in Drenthe. (Du) Ned. Bosbouw Tijdschr. 38(5/6):192-202. May/June 1966. 99.8 N28
- 14635 OKSBJERG, E. Growth and sensitivity to frost of three coniferous species. (Da) Hedeselsk. Tidsskr. 87(13):359-371. Oct.15,1966. 11 H35
Picea abies, *Pseudotsuga menziesii* and *Picea sitchensis*.
- 14636 POLLANSCHUTZ, J. Method for smoke damage determination as it is presently applied by the Federal Forestry Research Institute [Forstliche Bundesversuchsanstalt]. (Ge) Vienn. Ann. Forstl. Bundesversuchsanst. Mariabrunn. 73:81-89. 1966. 99.8 M69
- 14637 PONCELET, J. The hurricane of December 9, 1965. (Fr) Forêt Privée 47:93,95. Jan./Feb. 1966. 99.8 F7697
Tree injuries.
- 14638 RADVANYI, A. Destruction of radio-tagged seeds of white spruce [*Picea glauca*] by small mammals during summer months. Forest Sci. 12(3):307-315. Ref. Sept.1966. 99.8 F7632
In relation to direct seeding.
- 14639 REYNOLDS, H. G. Abert's squirrels feeding on pinyon pine. J. Mammalogy 47(3):550-551. Aug.29,1966. 410 J823
Pinus edulis.

- 14640 RUSSELL, T. E., and MIGNERY, A. L. Wire staples for holding down seedpot screens. *J. Forest.* 64(11):757. Nov. 1966. 99.8 F768
To protect forest seeds and seedlings from predators.
- 14641 SIERPINSKI, Z. Blackcock (*Lyrurus tetrix* L.)—a pest of young plantations of pine. (Pol) *Sylvan* 109(3):49-53. 1965. 99.8 Sy52
English summary.
- 14642 STRAIN, B. R. The effect of a late spring frost on the radial growth of variant quaking aspen (*Populus tremuloides*) biotypes. *Forest Sci.* 12(3):334-337. Ref. Sept. 1966. 99.8 F7632
- 14643 TEJU, D. Present and future problems of the control of torrents and soil erosion. (Rum) *Rev. Padurilor* 81(6):330-333. June 1966. 99.8 R327
English summary, p.2 following p.369.
- 14644 TRYON, E. H., and TRUE, R. P. Effect of spring freeze on radial increment of American beech at different elevations. *J. Forest.* 64(9):625-627. Sept. 1966. 99.8 F768
Injury-class study.
- Forest Fire Prevention and Control
- 14645 DELL, J. D., and HULL, M. K. A fire-behavior team field unit. *Fire Contr. Notes* [Washington] 27(3):6-7. July 1966. 1 F766F1
Control equipment.
- 14646 HODGSON, A. Cloudseeding and fire control. *Victoria. Forest Comm. Forest. Tech. Pap.* 17:1-5. June 1966. 99.9 V66F
- 14647 KOURTZ, P. H. Scheduling aircraft for forest fire detection. *Fire Contr. Notes* [Washington] 27(3):9-11, 14. July 1966. 1 F766F1
Canada.
- 14648 MCARTHUR, A. G., DOUGLAS, D. R., and MITCHELL, L. R. The Wandilo Fire, 5 April 1958; fire behaviour and associated meteorological and fuel conditions. *Australia. Forest. Timber Bur. Leaflet* 98,31 p.,map. 1966. 99.8 Au73
- 14649 MCLEAN, H. E. Here comes the fire bike brigade! *Amer. Forests* 72(10):4-5. Oct. 1966. 99.8 F762
Fire control in Oregon.
- 14650 RYAN, P. W. Forest fires and fire danger in Georgia: a six-year summary, 1959-1964. *Ga. Forest Res. Council. Ga. Forest Res. Pap.* 39,31 p.,map. June 1966. 99.9 G299G
- 14651 U. S. FOREST SERV. DIV. OF FIRE CONTROL. Night helicopter use in fire control. *Fire Contr. Notes* [Washington] 27(3):12-14. July 1966. 1 F766F1
Montana and California.
- 14652 U. S. FOREST SERV. DIV. OF FIRE CONTROL. Region 3 [Southwestern Region] inspection of internal combustion engines. *Fire Contr. Notes* [Washington] 27(3):7-8. July 1966. 1 F766F1
Fire prevention in inspection.
- FOREST MANAGEMENT
- 14653 AGE, P. J. Valuation of forest holdings. (Sw) *Norrbottnens Lantmannabl.* 8:150-152. Dec. 1965. 11 N792
- 14654 AUSTRIA. BUNDESMINISTERIUM FÜR LAND- UND FORSTWIRTSCHAFT. Jahresbericht über die Forstwirtschaft [Annual report on forestry], 1965. *Wien*, 1966? 182 p. 99.9 Au76
- 14655 BARRUCAND, M. F. For a fast implementation of returns. (Fr) *Forest Privee* 47:37,39. Jan./Feb. 1966. 99.8 F7697
In connection with M. Michel's article.
- 14656 BERNADZKI, E. Forest management in Switzerland. (Pol) *Sylvan* 109(3):55-61. 1965. 99.8 Sy52
- 14657 BISCEVIC, A. Some observations and data on forest management in Poland. (Se) *Nar. Sumar* 20(5/6):201-210. May/June 1966. 99.8 N16
- 14659 BOREK, J. An increase in forest productivity on the basis of typology. (Pol) *Sylvan* 110(1):69-78. 1966. 99.8 Sy52
- 14659 BUADOWSKI, G. Recreation as a forest resource. (Sp) *Ext. Amer.* 11(2):7-9. 1966. 275,249 Ex8
- 14660 BURCH, W. R. Wilderness—the life cycle and forest recreational choice. *J. Forest.* 64(9):606-610. Sept. 1966. 99.9 F768
- 14661 BURSIAN, G. Economic problems of the application of machine systems in forest nurseries of uplands. (Ge) *Dresden. Tech. Univ. Wiss. Z.* 14(6):1611-1614. 1965. 509 D81
- 14662 CALIFORNIA. DIV. OF FORESTRY. California State forests 1964-65. *Sacramento*, 1966. 15 p. 99.8 C125
- 14663 CANADA. DEPT. OF FORESTRY. Annual report, fiscal year 1964-1965. *Ottawa*, 1965. 75 p. 99.9 C1628
- 14664 CLAUSEN, D. H. Redwoods to the sea. *Amer. Forests* 72(11):22-25, 72-73, map. Nov. 1966. 99.8 F762
Conservation policy for the Pacific coast area.
- 14665 DEUTSCHER FORSTWIRTSCHAFTSRAT. Drei Jahresbericht [Three-year report of the German Forestry Council], 1962-1965. *Bonn*, 1965. 192 p. 99.9 D4830
- 14666 DOLEZAL, B. Planning of longterm regenerations of forest stands. (Ge) *Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnické* 2:85-112, map. Ref. 1966. 105,92 B833
English summary.
Management.
- 14667 DOLLFELDER, B., and LANGER, H. Oak management in the forest administration of Rohrburn. (Ge) *Forstl. Mitt.* 19(16/66):317-319. Sept. 15, 1966. 99.8 F725
- 14668 FERGUSON, J. L. Tree farming: lifeblood of an industry. *Forests People* 16(3):6-9, 27-28. Third Q. 1966. 99.8 F7628
Louisiana.
- 14669 FINLAND. METSAHALLITUS. Kertomus metsähallinnon toiminnasta, Report on the activity of the State Board of Forestry, 1964. *Helsinki*, 1966. 70 p. (Suomen virallinen tilasto, Finlandin officiella statistik, Official statistics of Finland XVII B) SD83.F5A3
English summary.
- 14670 FISCHER, V. The seesaw in the Sawtooth. *Amer. Forests* 72(11):36-39, 78-79, map. Nov. 1966. 99.8 F762
Recreational possibilities in the Sawtooth National Forest of Idaho.
- 14671 FRAUENDORFER, R. Status and performance of farm woodlands in the upper Ennstal. (Ge) *Centralbl. Gesamte Forstwesen* 83(3):152-177. Sept. 1966. 99.8 C33
English summary.
- 14672 GIERLINSKI, T. Site-stand method of forest management and possibilities of its application in Poland. (Pol) *Sylvan* 110(1):53-67. Ref. 1966. 99.8 Sy52
English summary.
- 14673 GILLET, C. A. Private forestry on the march; the story of tree farms. *J. Forest.* 64(9):601-603. Sept. 1966. 99.8 F768
- 14674 GOUTTIN, P. Study of profitability of forest investments and fast implementation of returns in forest stands foreseen for production thirty five years later. (Fr) *Forest Privee* 47:33,35. Jan./Feb. 1966. 99.8 F7697
- 14675 GRAMSCH, W. Problems of the increased labor productivity in forest nurseries and production costs of forest tree seedlings. (Ge) *Dresden. Tech. Univ. Wiss. Z.* 14(6):1601-1605. 1965. 509 D81
- 14676 GRAMSCH, W. Proposition for introducing simplified accounting methods in forest nurseries. (Ge) *Arch. Forstwesen* 15(4):363-378. 1966. 99.8 Ar22
English summary.
- 14677 GREAT BRITAIN. FORESTRY COMMISSION. Forty-sixth annual report of the forestry commissioners for the year ended 30th September 1965. *London*, 1965. 67 p.,map. 99.9 G795A
- 14679 GREGOROWICZ, J., and REGULSKI, K. Problem of production standards in state forest enterprises. (Pol) *Sylvan* 109(3):19-26. 1965. 99.8 Sy52
English summary.

- 14679 KIDD, W. E., THOMPSON, E. F., and HOEPNER, P. H. Forest regulation by linear programming—a case study. *J. Forest.* 64(9):611-613. Sept. 1966. 99.8 F768
- 14680 KLEPAC, D. Uredivanje suma [Management of forests]. Zagreb, Nakladni Zavod Znanje, 1965. 340 p., map. Ref. (Udbenici Sveucilista u Zagrebu) SD327.Y8K5
- 14681 KOCIJANCIC, M. Social and health problems in forestry. (Sl) Gozdarski Vest. 24(1/2):12-14. 1966. 99.8 G74
Forest labor.
- 14682 LARSSON, G. Give new life to land consolidation. (Sw) Jord Skog 18(1):26-27, map. 1966. 58.8 M373
Forests.
- 14683 LASSALLE, J. C. Description of Prosopis caldenia stands. (Sp) Rev. Forest. Argentina 10(1):15-19. Jan./Mar. 1966. 99.8 R3252
In relation to conservation.
- 14684 MALAWI, DEPT. OF FORESTRY. Annual report for the year 1962/63. Zomba, 1965. 75 p. 99.9 N982
- 14685 MAURIA, H. State forestry in Finland. Finn. Pap. Timber 17(8):102-104. 1966. 302.8 F49
- 14686 MELLINGHOFF, Forest conservation in the Ruhr area. (Ge) Forst- Holzwirt 21(17):377-378, 380-381. Sept. 8, 1966. 99.8 F7724
- 14687 MOLENDI, T. Economical effects of timber deficit. (Pol) Sylwan 109(5):15-28. 1965. 99.8 Sy52
- 14688 MOREILLON, B. A special solution for the management of private forests. (Fr) Agr. Romande (ser. B) 5(6):29. June 1966. 17 Ag8
- 14689 MUENCH, J. Impact of public vs. private ownership of timber land on a rural economy. *J. Forest.* 64(11):721-727. Nov. 1966. 99.8 F768
- 14690 NATTI, T. A town forest can be. *Forest Notes* 91:17-19. Fall 1966. 99.8 F7691
- 14691 NELSON, B. The coast redwoods: struggle over National Park proposals. *Science* 153: (3744):1620-1623, map. Sept. 30, 1966. 470 Sci2
In California.
- 14692 NEW ZEALAND, DIRECTOR-GENERAL OF FORESTS. Report for the year ended 31 March 1966. Wellington, 1966. 60 p. 99.9 N49A
- 14693 PAMPEL, W. Mechanization of plant culture in forest nurseries. Current state of it in the German Democratic Republic, its problems and future tasks. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1529-1532. 1965. 509 D81
- 14694 PATRASCOIU, N. Regulation of the forest production processed by singular forest enterprises, a problem becoming again actual for Rumanian forest management. (Rum) Rev. Padurilor 81(6):350-354. Ref. June 1966. 99.8 R327
- 14695 PETRESCU, T. Aspects of the application of a new method in the technical standardization of forest labor. I. (Rum) Rev. Padurilor 81(6):347-350. June 1966. 99.8 R327
- 14696 PETROV, O. V. Forest-Steppe Scientific Research Station "The Forest on Vorskla" [Lesostepnaya Nauchno-Issledovatel'skaya Stantsiya Les na Vorskla] celebrates its 30th anniversary. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:156-159. 1965. 442.9 L542V
- 14697 PONCELET, J. Physical use of a tree or of a forest. (Fr) Forêt Privée 47:89, 91. Jan./Feb. 1966. 99.8 F7697
Multiple use.
- 14698 POPESCU-ZELETIN, I., and MILESCU, I. Forest management system in Rumania. (Rum) Rev. Padurilor 81(5):277-281, map. May 1966. 99.8 R327
English summary.
- 14699 REHOUNEK, J. The effect of plant production per area unit on the profitability of forest nurseries. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1615-1618. 1965. 509 D81
- 14700 REPUBLIC OF SOUTH AFRICA. Annual report for the year ended 31st March, 1964. Pretoria, 1966. 47 p. 99.9 So84R
- 14701 ROLA, B. R. Forestry problems and policy implications in the context of economic development. *Lumberman [Manila]* 12(3):14, 16, 18, 20, 22, 24. Apr./May 1966. 99.8 L9793
- 14702 RUFFLER, R. The determination of economic role of the growing stock as perception theoretical problem. (Ge) Sozialistische Forstwirtschaft. 16(6):161-165. Ref. June 1966. 99.8 W143
English summary, inside back cover.
- 14703 SCHMIDTKUNZ, Forest organization of the chamber of agriculture of Rhineland as up-to-date professional representation of private forest. (Ge) Forst- Holzwirt 21(17):374-377. Sept. 8, 1966. 99.8 F7724
- 14704 SKOLD, P. Forest economy requires improvement—in all areas! (Sw) Jord Skog 18(1):15-17. 1966. 58.8 M373
- 14705 SPAIN, DIRECCION GENERAL DE MONTES. Estadística de los montes de utilidad publica, ano 1964 [Statistics of forests for public use, 1964]. Madrid, 1965. 184 p. 263 M762
- 14706 STERNER, A. New opportunities for woodland improvement. U. S. Agr. Stab. Conserv. [Rep. State ASCS Conf. Vermont] 1966:19-21. A281.9 V59
New England.
- 14707 SWITZERLAND, INSPEKTION FÜR FORSTWESEN, JAGD UND FISCHEREI. Schweizerische Forststatistik [Swiss forestry statistics], 1963. Bern, 1965. 52 p. SD79.A3
Switzerland. Eidgenössisches Statistisches Amt, cooperating.
Text also in French.
- 14708 THOMPSON, E. F. Traditional forest regulation model: an economic critique. *J. Forest.* 64(11):750-752. Ref. Nov. 1966. 99.8 F768
- 14709 TIMOFEEV, V. P. Priroda i nasazhdeniya Lesnoi Opytnoi Dachi Timiryazevskoi Sel'skokhozyaistvennoi Akademii za 100 let [Nature and stands of the Experimental Forest Plot of the Timiryazev Agricultural Academy during the past 100 years]. Moskva, Lesnaya Promyshlennost', 1965. 167 p. Ref. SD360.R9T5
- 14710 TRAMPLER, T. In reply to Prof. Dr. Jan Swiader in the matter economic sense of current increment. (Pol) Sylwan 109(4):67-70. 1965. 99.8 Sy52
- 14711 TROMBLEY, J. New opportunities for woodland improvement. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:22. A281.9 V59
Vermont.
- 14712 UDE, J. Modern hand equipment for the forest labor. (Sl) Soc. Kmetijstvo Gozdarstvo 16(18):459-460. Dec. 1965. 21.5 So14
- 14713 VARAKSIN, F. The economic forestry of the Soviet. (It) Legna 45(16):615-616. Aug. 31, 1966. 99.8 L52
- 14714 WAGAR, J. V. K. Some fundamental characteristics of outdoor recreation. *J. Forest.* 64(10):667-673. Ref. Oct. 1966. 99.8 F768
Forests and land.
- 14715 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. A forest conservation tour guide: land, water, trees, & people. PNW (Pacific Northwest Coop. Ext.) Bull. 72, 33 p. Apr. 1966. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.
- 14716 WESTERN AUSTRALIA, FORESTS DEPT. Report for the year ended 30th June, 1965 by A. C. Harris. Perth, 1965. 43 p. 99.9 W52A
- 14717 WINROTH, C. Heavy reduction of seasonal workers in forests. (Sw) Jord Skog 18(1):23-25. 1966. 58.8 M373
- 14718 ZAMBIA, FOREST DEPT. Annual report for the year 1964. Lusaka, 1965. 35 p., map. 99.9 R61
- 14719 ZAMBIA, FOREST DEPT. Annual report for the year 1965. Lusaka, 1966. 36 p., map. 99.9 R61
- 14720 ZANDROWICZ, W. Human effect upon the extent and distribution of forests in Poland. (Pol) Sylwan 110(5):77-80. 1966. 99.8 Sy52
Excessive exploitation.

Forest Description and Mensuration

- 14721 ARMSTRONG, K. A., and SMITH, V. G. Dry weight-diameter relationships for jack pine [*Pinus banksiana*] seedlings. *Forest Sci.* 12(3):365-366. Sept. 1966. 99.8 F7632
- 14722 BANKS, P. F., and BURROWS, P. M. Preliminary local volume tables for *Baikiaea plurijuga*, *Gulbournia coleosperma* and *Pterocarpus angolensis* in Rhodesia. *Commonwealth Forest. Rev.* 45(3):256-264. Sept. 1966. 99.8 Em72
- 14723 BARRETT, J. P. Shortcut sampling methods for eastern white pine. *J. Forest.* 84(9):603-605. Sept. 1966. 99.8 F768
- 14724 BECK, J. A., TEEGUARDEN, D. E., and HALL, D. O. Stump diameter, d.b.h. (diameter breast high) relationships for young-growth mixed conifer species. *Calif. Forest. Forest Prod.* 44,6 p. May 1966. 99.8 C123
- 14725 BEERS, T. W., DRESS, P. E., and WENSEL, L. C. Aspect transformation in site productivity research. *J. Forest.* 64(10):691-692. Oct. 1966. 99.8 F768
- 14726 BONNEMANN, A., GARTNER, E., and WEIMANN, H. J. Die Inventur Gahrenberg, 1960 [The Gahrenberg inventory, 1960]. Göttingen. Univ. Forstl. Fak. Schriftenreihe 36,77 p. 1966. 99.9 G71
- 14727 COKL, M. The growth of *Pseudotsuga menziesii* in Slovenia. (Sl) Ljubljana. Inst. Gozdno Lesno Gosp. Sloven. Zb. 4:139-187. Ref. 1965. 99.9 L76
German summary.
Chiefly mensurational data.
- 14728 DYRENKOV, S. A. Structure of spruce stands in the south-western part of the Vyehgeda-Mezen Plain. (Rus) Bot. Zhur. [Moscow] 51(8): 1149-1156. Ref. Aug. 1966. 451 R923
Mensurational and ecological study.
- 14729 FAKIROV, V. Effect of improvement cutting on increment according to growth classes of middle-age poplar stands. (Bu) Gorskostopanska Nauk. 3(3):203-212. 1966. 99.8 G683
German summary.
- 14730 GERRARD, D. J. The construction of standard tree volume tables by weighted multiple regression. Ontario. Dep. Lands Forests. Res. Rep. 61,35 p. Ref. 1966. 99.9 On84
- 14731 GUNIA, S. Methods for the appraisal of intensity in the transformation of trees within a stand in respect to their height and thickness. (Pol) Sylwan 110(6):1-12. Ref. 1966. 99.8 Sy52
English summary.
Statistical method.
- 14732 HALL, G. S. Age distribution of needles in red pine [*Pinus resinosa*] crowns. *Forest Sci.* 12(3):369-371. Sept. 1966. 99.8 F7632
Study of weight.
- 14733 HEIKURAINEN, L., and SEPPALA, K. Regionality in stand increment and its dependence on the temperature factor on drained swamps. *Acta Forest. Fenn.* 78(4), 14 p., map. 1966. 99.9 F492
Pinus sylvestris and *Picea abies*.
- 14734 HOYLE, M. C. Diameter growth of yellow birch not closely related to density. *J. Forest.* 64(9):628-629. Ref. Sept. 1966. 99.8 F768
- 14735 JURCA, J. Mutual height growth of the beech and linden in the mixed broadleaved thicket. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnické 1:9-23. 1966. 105,92 B833
English summary.
- 14736 KING, J. E. Site index curves for Douglas-fir in the Pacific Northwest. Weyerhaeuser Co. Forest. Res. Center, Weyerhaeuser Forest. Pap. 8,49 p., map. Ref. July 1966. 99.9 W542W
- 14737 KIRALY, L. New wood yield nomogram. (Hu) Erdo 15(8):367-369. Aug. 1966. 99.8 Er22
German summary.
- 14738 KOWALSKI, J. About the decrease in average diameter of saw timber. (Pol) Sylwan 110(2): 65-69. 1966. 99.8 Sy52
English summary.

- 14739 MUSZYNSKI, Z. Stereometric methods for the calculation of circumferential surface in round-wood and their application. (Pol) Sylwan 109(4):45-53. Ref. 1965. 99.8 Sy52
English summary.
- 14740 MUTTIAH, S. A comparison of three repeated inventories of Sundapala mixed selection working circle and future management. Ceylon Forest. (n.s.) 7(1/2):3-35. Jan./Dec. 1965. 99.8 C333
- 14741 ROATECHE, C. E. Comparison of different methods of determination of median diameter of trees with circular transversal section. (Sp) Rev. Forest. Argentina 10(1):20-22. Jan./Mar. 1966. 99.8 R352
- 14742 SPENCER, R. D. Interpretation of ash (*Eucalyptus regnans* F.V.M.) from coloured aerial photographs. Victoria. Forest Comm. Forest Tech. Pap. 17:25-29. June 1966. 99.9 V66F

Policies and Programs

- 14743 ALDERSON, G. A park service plan to bisect wilderness in the Great Smokies. *Sierra Club Bull.* 51(3):8-10, map. Mar. 1966. 500 S453
Includes policies; in North Carolina and Tennessee.
- 14744 ENGELHARDT, E. Higher national income by means of a better material economy. (Ge) Sozialistische Forstwirtschaft. 16(7):193-195. July 1966. 99.8 W143
Includes forestry.
- 14745 KLOSE, F. Forestry policy in the European Common Market from German viewpoint. (Ge) Allg. Forstzeitung 77(10):211-217. Oct. 1966. 99.8 AL53
- 14746 KRENDELBERGER, H. Developmental trends in the Austrian forestry policy. (Ge) Allg. Forstzeitung 77(10):203-208. Oct. 1966. 99.8 AL53
- 14747 MCCORMACK, R. J. The Canada land inventory of ARDA [Agricultural Rehabilitation and Development Act]; significance to the forestry profession and industry. *Pulp Pap. Mag. Can.* 67(10):WR490-WR491, WR494-WR495. Oct. 1966. 302.8 P96

Legislation and Taxation

- 14748 ANCONA, A. P. Reforms of forest laws regarding their application to tropical woods. (Sp) Mex. Bosques 3(6):3-5. Nov./Dec. 1965. 99.8 M573
- 14749 JASTRZEBSKI, L. The bill on November 17, 1960 concerning forests and forest management in Czechoslovakia. (Pol) Sylwan 110(4): 85-88. 1966. 99.8 Sy52
- 14750 LEITNER, K. Forest easement in Salzburg district. (Ge) Allg. Forstzeitung 77(10):208-211. Oct. 1966. 99.8 AL53
- 14751 LOPEZ, F. Strict implementation of all forestry laws. *Lumberman [Manila]* 12(3):6-10. Apr./May 1966. 99.8 L793
- 14752 MOAK, J. E. Forest appraisals for assessment of ad valorem taxes. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(2):60-66. Oct. 1966. 281.8 Am32
- 14753 SLINN, R. J. Taxation on forests and forest incomes. *Australian Timber J. Building Prod. Merchandiser* 32(8):65,67. Sept. 1966. 99.81 Au7
In Britain, New Zealand and Australia.

FOREST PRODUCTS AND UTILIZATION

- 14754 BREWER, G. 1966 mid-year review and forecast. *Cross Tie Bull.* 47(9):18-20. Sept. 1966. 99.82 C87
Forest products.
- 14755 CHURCHMAN, C. W. Operations research in the forest products industry. (Condensed.) *Indian Forest.* 92(8):507-509. Aug. 1966. 99.8 In2

- 14756 FARQUHAR, J. D. The assessment of forest fees. *East Afr. Agr. Forest. J.* 31(3):322-340. Jan. 1966. 24 Ea74
Prices of standing and sawn timber in Tanganyika.
- 14757 HAJEK, G. Development of standardization in the wood industry of the German Democratic Republic. (Ge) *Holztechnologie* 7(3):177-184. Ref. Aug. 1966. 99.8 H744
English summary.
- 14758 KRZYSIK, F. Wood and wood industry in national economy. (Pol) *Sylvan* 110(4):1-9. 1966. 99.8 Sy52
- 14759 LANSIGAN, N. P. The public image of the American forest products industries & what the Philippines can learn from it. *Lumberman [Manila]* 12(3):25,28,30,32. Apr./May 1966. 99.81 L9793
Includes advertising aspects.
- 14760 LEMBEKE, C. A. The British Columbia position. *Australian Timber J. Building Prod. Merchandiser* 32(7):69,71,73,77,79-81. Aug. 1966. 99.81 Au7
Forest industry situation.
- 14761 LUCANUS, C. Marketing situation of tropical woods. (It) *Legno* 45(11):417. June 15, 1966. 99.81 L52
Europe.
- 14762 OSARA, N. A. Expansion of the exploitation and forest industries in underdeveloped countries. (Sp) *Montes* 22(12):173-178. Mar./Apr. 1966. 99.8 M763
- 14763 RUFFER, H. Production propaganda—a part of leadership. (Ge) *Sozialistische Forstwirtschaft* 16(6):188-190. June 1966. 99.8 W143
- 14764 SAYERS, W. B. To tell the truth; 25 years of American Forest Products Industries, Inc. *J. Forest.* 64(10):657-663. Oct. 1966. 99.8 F768
- 14765 STOKES, E. New Zealand in maps. 4. Timber, pulp and paper—production and trade 1950–1964. *New Zeal. Geogr.* 22(1):70-79, map. Apr. 1966. 331.8 N48
- 14766 WOOD AND WOOD PRODUCTS. Reference data—buying guide. *Wood Wood Prod.*, Oct. 1966(sect.2),250 p. 99.82 W856
Lumbering and Logging
- 14767 BORJESSON, G., LOFGREN, L., and ROSEN, S. How to organize log transportation. (Sw) *Jord Skog* 18(1):30-33. 1966. 58.8 M373
- 14768 DE VRIES, J. The costing of crawler and rubber-tired tractors equipped with diesel engines. *Australian Timber J. Building Prod. Merchandiser* 32(8):33. Sept. 1966. 99.81 Au7
In logging.
- 14769 DOSTAL, D. Slide-cable winches for stem log hauling on slope. (Ge) *Forsttech. Inform.* 9: 65-70. Sept. 1966. 99.8 F7794
- 14770 FORT, V. Concentration of the primary conversion of roundwood from the viewpoint of forest economics and wood industry. (Ge) *Holztechnologie* 7(3):190-196. Aug. 1966. 99.8 H744
English summary.
In Czechoslovakia.
- 14771 GANE, M. Forest harvesting in Trinidad. *Commonwealth Forest. Rev.* 45(3):247-252. Sept. 1966. 99.8 Em72
- 14772 GRONLUND, S., and KURIKKA, J. Markkina-
puun alueittaiset hankintamaarat vuosina 1962 ja 1964, lopulliset tulokset. Removals of commercial roundwood in Finland by districts in 1962 and 1964, final results. *Folia Forest.* 20, 30 p., map. 1966. 99.8 F713
English summary.
- 14773 HENRY, J. E. Basic training in the logging industry. *New Zeal. Timber J.* 12(12):74,79. Aug. 1, 1966. 99.81 N482
- 14774 HUGGARD, E. R. A suggestion for a timber harvesting system. *Commonwealth Forest. Rev.* 45(3):243-247. Sept. 1966. 99.8 Em72
A system of collecting areas is suggested and described.
- 14775 JACHWITZ, E. The power saw. (No) *Norsk Landbruk* 10:26-27,39. May 20, 1966. 11 N8122
- 14776 JOZEFACIUK, J. An attempt of the evaluation of causes of mortal accidents in logging operations. (Pol) *Sylvan* 110(2):71-78. 1966. 99.8 Sy52
English summary.
- 14777 KAMINSKI, E., and OSTROWSKI, S. Finnish barkers for round wood. (Pol) *Sylvan* 110(4): 67-74. 1966. 99.8 Sy52
- 14778 KILANDER, K. Big-scale operation necessary for profitable mechanization. (Sw) *Jord Skog* 18(1):28-29. 1966. 58.8 M373
Lumbering.
- 14779 KORINEK, J. Monography on the determination of daily tractor performance and the labor costs of hauling operations by mechanical means. (Cz) *Brno, Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnické* 2:161-169. 1966. 105.92 B833
English summary.
- 14780 KOROLEFF, A. M. Russian mechanical logging in 1964, its productivity and the intended reform of logging organizations. *Woodlands Res. Index* 177:11-34, map. Ref. Feb. 1966. 99.8 W855A
- 14781 LACHANCE, R. A. Full tree logging and the Sund Tree Processing System. *Pulp Pap. Mag. Can.* 67(10):WR482,WR484-WR485,WR488-WR489. Oct. 1966. 302.8 P96
- 14782 LE RAY, J. Roads for logging. (Sp) *Montes* 22(12):121-137. (Cont.) Mar./Apr. 1966. 99.8 M763
Construction.
- 14783 LOFFLER, H. Forest utilization and technique of wood harvesting. (Ge) *Forst- Holzwirt* 21 (11):244-247. June 8, 1966. 99.8 F7724
- 14784 LOYCKE, H. J. Log hauling, methods and developmental trends. (Ge) *Forst- Holzwirt* 21 (11):254-261. June 8, 1966. 99.8 F7724
- 14785 MORSE, W. B. School for loggers. *Amer. Forests* 72(10):26-27,52-53. Oct. 1966. 99.8 F762
Southwestern Community College in Coos Bay, Oregon.
- 14786 MURESAN, G., and others. Cable system for handling logs in the Rumanian Carpathian Mountains. (Rum) *Rev. Padurilor* 81(5):282-286. May 1966. 99.8 R327
V. Chiribau, I. Visoianu, G. Cerchez, and I. Stan, joint authors.
English summary.
- 14787 NEW ZEALAND LOGGING CONFERENCE, 1, ROTORUA, 1966. [Proceedings]. *New Zeal. Timber J.* 12(12):58-59,61-62,65-66,71,73-74, 79,81-82,93,97-98. Aug. 1, 1966. 99.81 N482
Papers presented.
- 14788 OTT, A. W. G. Application of wire rope used in logging. *New Zeal. Timber J.* 12(12):93,97-98. Aug. 1, 1966. 99.81 N482
- 14789 OTT, J. Study on the technical performance of the log transportation bicycle of the Forestry Research Institute [Erdeszeti Tudomanyos Intezet]. (Hu) *Erdo* 15(8):374-378. Aug. 1966. 99.8 Er22
German summary.
- 14790 PAVELESCU, I. M. Logging through the improvement cutting of forests in People's Republic Rumania. (Rum) *Rev. Padurilor* 81(6): 337-342. June 1966. 99.8 R327
- 14791 PIENKOS, K. The examination of ground and road surface carrying capacity as an indispensable element in the repair and construction of forest roads. (Pol) *Sylvan* 109(5):45-54. 1965. 99.8 Sy52
English summary.
- 14792 RACZ, J. Detailed exploitation and forest road net. (Ge) *Forst- Holzwirt* 21(11):247-250,252,254. Ref. June 8, 1966. 99.8 F7724
- 14793 SILVERSIDES, C. R. The influence of mechanization in harvesting and transportation methods. *Pulp Pap. Mag. Can.* 67(10):WR473-WR474,WR477-WR479,WR481,WR512. Oct. 1966. 302.8 P96
- 14794 SIMONS, E. N. The evolution of the saw. 1. *Wood [London]* 31(9):33-36. Sept. 1966. 99.82 W855

- 14795 SPIERS, J. J. Future trends in logging mechanisation. *New Zeal. Timber J.* 12(12):65-66, 71-73. Aug.1,1966. 99.81 N482
- 14796 TRAMPLER, T., and SUWARA, E. Theoretical assumptions and the way of optimum cutting age determination on an example of pine stands. (Pol) *Sylvan* 109(6):61-68. 1965. 99.8 Sy52
English summary.
Statistical method.
- 14797 TRANSMO, C. T. Care and use of chain saws. *New Zeal. Timber J.* 12(12):81-82. Aug.1,1966. 99.81 N482
- 14798 TYSZKIEWICZ, J. About wood clearing in prehistoric Europe. (Pol) *Sylvan* 110(6):53-62. 1966. 99.8 Sy52
English summary.
- 14799 VASILEV, V. N., and KUSHLEV, D. Possibilities of mechanization of excavating and loading work in construction of forest roads in the coniferous region. (Bu) *Gorskostopanska Nauk.* 3(3):235-248. Ref. 1966. 99.8 G683
French summary.
- 14800 VAVA, I. Economic effectiveness of the increasing degree of mechanization of logging operations during 1960-1965 on territory of the Banat forest administration. (Rum) *Rev. Padurilor* 81(5):292-295. May 1966. 99.8 R327
- 14801 VINOGRADOV, G. Possibilities for increase of overall production rate in logging. *Woodlands Res. Index* 177:A1-A15. Feb.1966. 99.8 W855A
Translation from *Lesnaya Promyshlennost'* 5:1-6. June 1965.
- 14802 WIBSTAD, K. Thoughts about the timber transport of tomorrow. (No) *Norsk Skogindus.* 20(9):313-319. Aug.1966. 99.82 N81

Sawmills

- 14803 BLANKENSTEIN, C. Operational time planning in sawmills. (Sl) *Les [Ljubljana]* 17(9/10):140-143. 1965. 99.8 L564
English summary, p.2 of supplement.
- 14804 DURDEL, A. Automation of central wood conversion depots. (Ge) *Sozialistische Forstwirtschaft.* 16(7):212-216. Ref. July 1966. 99.8 W143
- 14805 GULOWSEN, K. T. The prospective sawmills—methods and machines. (No) *Norsk Skogindus.* 20(9):329-333. Aug.1966. 99.82 N81
- 14806 HARRIS, J. R., and ROWE, M. P. Entrepreneurial patterns in the Nigerian sawmilling industry. *Nigerian J. Econ. Soc. Stud.* 8(1):67-95. Mar.1966. 280.8 N56
- 14807 MCKENZIE, W. M. Wood as a material to be cut—the basic requirements of cutting devices. *Holz Roh- Werkstoff* 24(9):380-389. Ref. Sept. 1966. 99.81 H74
English summary.
- 14808 RAUTVUORI, E. Finnish Sawmill Owners' Association 70 years old. *Finn. Pap. Timber* 16(10):161-162. 1965. 302.8 F49

Processing and Woodworking

- 14809 HOLZ, D. On modification of hornbeam wood by impregnation with synthetic resin. (Ge) *Holztechnologie* 7(3):197-200. Aug.1966. 99.8 H744
English summary.
- 14810 STERN, E. G. Pallet nails in 1965; supplement A. *Va. Polytech. Inst. Wood Res. Lab. [Bull.]* 58A, 4 p. July 1966. 99.9 V8142

Seasoning, Conditioning and Finishing

- 14811 PETERKA, V. Development of automatic control of kiln-drying plants in Czechoslovakia. (Ge) *Holztechnologie* 7(3):153-157. Aug.1966. 99.8 H744
English summary.

- 14812 TISCHLER, K. The seasoning of lumber of *Eucalyptus camaldulensis* Dehn. (He) *La-Yaaran* 16(1):34-43. Mar.1966. 99.9 S019
English summary, p.46-43.

Wood Preservation and Damage

- 14813 BARRETO, L. S. Notes on wood preservation. (Por) *Gaz. Agr. [Lourenco Marques]* 18(200):2-8. (Cont.) Jan.1966. 24 G25
- 14814 BARRETO, L. S. Notes on wood preservation. (Por) *Gaz. Agr. [Lourenco Marques]* 18(201):34-42. (Cont.) Feb.1966. 24 G25
- 14815 BARRETO, L. S. Notes on wood preservation. (Por) *Gaz. Agr. [Lourenco Marques]* 18(202):66-72. (Cont.) Mar.1966. 24 G25
Mozambique.
- 14816 BECKER, G., and BERGHOFF, W. The hydrogen fluoride evaporation of wood preservative salt mixtures containing bichromate and phosphate. (Ge) *Holz Roh- Werkstoff* 24(9):377-380. Sept.1966. 99.81 H74
English summary.
- 14817 BIERNACKA, I. Study of piles gathered from three coastal basins of the Baltic Sea. (Pol) *Sylvan* 109(3):7-17. 1965. 99.8 Sy52
French summary.
Decay study.
- 14818 DAVIS, T. C., and BEALS, H. Partridge wood, useful raw material from decaying oaks. *Highlights Agr. Res. [Ala. Sta.]* 13(3):15. Fall 1966. 100 AL1H
- 14819 GILLWALD, W., LEHMANN, G., and MATÉ-JAK, M. The absorption of beta rays by fungi infected wood. (Ge) *Holztechnologie* 7(2):113-117. Ref. May 1966. 99.8 H744
English summary.
- 14820 KIRK, H., ACHTERBERG, W., and RAFALSKI, H. J. Protection of recently cut coniferous quality wood against blue stain fungi. (Ge) *Sozialistische Forstwirtschaft.* 16(7):208-210. July 1966. 99.8 W143
- 14821 KLEM, S. The durability of spruce wood treated with different preservatives applied according to different treating methods. (No) *Norsk Skogindus.* 20(9):334-338. Aug.1966. 99.82 N81
English summary.
Picea abies.
- 14822 MCQUIRE, A. J. OPM [oscillating pressure method] treatment of green timber—further developments. *New Zeal. Timber J.* 12(12):41-43. (Cont.) Aug.1,1966. 99.81 N482
- 14823 NEUBAUER, L. W., and KASIMATIS, A. N. Chemical treatment of grape stakes may weaken young vines. *Calif. Agr.* 20(7):14-15. July 1966. 100 C12Cag
- 14824 OKGBO, L. C., GREAVES, H., and LEVY, J. F. Some aspects of the effect of external environment on the decay of wooden fence posts. *B.W.P.A. [Brit. Wood Preserv. Ass.] News Sheet* 65:1-3. Ref. Aug.1966. 300.9 B77B
By fungi.
- 14825 SPIVEY, A. M., and LEWIS, R. P. A comparison between pentachlorophenol and creosote-preserved timber in a stake test. *Wood [London]* 31(9):37-40. Sept.1966. 99.82 W855
- 14826 VIVEKANANDAN, K. An experiment to determine the capacity of nine wood-rotting fungi, including *Polystictus sanguineus* and *Lentinus giganteus*, to cause decay of *Grevillea robusta* wood. *Ceylon Forest.* (n.s.) 7(1/2):36-38. Jan./Dec.1965. 99.8 C333

Lumber and Rough Products

- 14827 DICKINSON, F. E., PRESTEMON, D. R., and DOST, W. A. Pacific madrone log grades and lumber yield. *Calif. Forest. Forest Prod.* 43.5 p. July 1965. 99.8 C123
- 14828 DZIEWANOWSKI, R. Examination of the timber of Douglas fir from the forest-district Wirtly in respect to its applicability for sawmill processing. (Pol) *Sylvan* 110(6):13-26. 1966. 99.8 Sy52
English summary.

- 14829 HANSEN, C. B. Standardisation of finished sizes, Australian Timber J. Building Prod. Merchandiser 32(8):37,39,43-45,47. Sept.1966. 99.81 Au7
- 14830 KLOECK, A. Tentative determination of optimal directions of saw-timber transport and working power of saw-mills on an example of Warszawa province. (Pol) Sylwan 110(2):41-53. Ref. 1966. 99.8 Sy52
English summary.
Statistical method.
- 14831 KNELL, G. Processing small dimension timber as cordwood. (Ge) Forst- Holzwirt 21(13):290-293. July 8,1966. 99.8 F7742
- 14832 LARSEN, S. Bundling of short logs. (Da) Hedeselsk. Tidsskr. 87(13):372-375. Oct.15, 1966. 11 H35
- 14833 MENTIPLAY, C. R. Clean timber famine could restrict building. New Zeal. Timber J. 12(12):27. Aug.1,1966. 99.81 N482
- 14834 MITCHELL, S. H. Mass merchandising to sell timber and other building materials. Australian Timber J. Building Prod. Merchandiser 32(8):19,21,23,25-27. Sept.1966. 99.81 Au7
- 14835 MULLER, H. R. Wood loading by mobile and autocranes. (Ge) Holztechnik 46(9):435-438. Sept.1966. 99.82 H745
- 14836 MUSZYNSKI, Z. The application of linear programming to the regional distribution of timber dispatching from depots to woodworking plants. (Pol) Sylwan 110(2):27-40. 1966. 99.8 Sy52
English summary.
- 14837 PATERSON, D. N. A quality assessment of the exotic softwoods of East Africa for sawn timber. Commonwealth Forest. Rev. 45(3):212-223. Ref. Sept.1966. 99.8 Em72
- 14838 RAILWAY TIE ASSOCIATION. 1966-1967 membership directory. Cross Tie Bull. 47(10):20,22,24,26,28,32,34,36,38,40. Oct.1966. 99.82 C87
- 14839 SOUTH AFRICAN LUMBER MILLERS' ASSOCIATION. Twenty-fourth annual report, 1964-1965. Johannesburg, 1966. 57 p. 99.9 So842
- 14840 TIHONEN, P. The new assortment tables. (Fi) Metsälaudellinen Aikakauslehti 83(5/6):249-252,255,263. May/June 1966. 99.9 F49
English summary.
For logs.
- 14841 TRAVERS, W. W. G. Finding and maintaining a market for timber in Australia. 2. New Zeal. Timber J. 12(12):29,31. Aug.1,1966. 99.81 N482
- 14842 TRONCO, G. The poplar situation. (It) G. Agr. 76(33/34):367-368. Aug.14/21,1966. 16 It1G
Lumber industry and policy.
- 14843 WICKES, H. C. United States Coast Guard proves 50-ton design load okay for class B piles in San Francisco Bay mud. Wood Preserv. News 44(10):16-21. Oct.1966. 300.8 W853
- Construction
- 14844 NEW SOUTH Wales timbers for building scantling. New S. Wales. Forest. Comm. Div. Wood Technol. Leaflet 3,4 p. 1964. 99.9 N47L
- Veneers, Plywood and Adhesives
- 14845 CHUNG KUNG. MINISTRY OF BUILDING-RESEARCH ACADEMY OF ARCHITECTURE. INSTITUTE OF STRUCTURES. The applications of several successive substitution methods in the plywood structural computations. (Ch) Ying Yung Shu Hsueh Yu Chi Suan Shu Hsueh 3(1):61-65. Feb.1966. Not in Libr.
Plywood stress.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chi. Sci. Abstr. Phys. Math. 27:4. Apr.14,1966. (JPRS 35,052; TT 66-31490) 241.6 Un324
Issued by CFSLT.
- 14846 KRISZTIAN, MRS. GY. Manufacture and use of face veneer of low thickness. (Ge) Holz-technologie 7(3):172-176. Ref. Aug.1966. 99.8 H744
English summary.
- 14847 LUTZ, J. F., DUNCAN, C. G., and SCHEFFER, R. C. Some effects of bacterial action on rotary-cut southern pine veneer. Forest Prod. J. 16(6):23-26. Aug.1966. 99.9 F7662J
- 14848 POUND, J. Materials for RF heating. Wood [London] 31(9):41-43. Sept.1966. 99.82 W855
Gluing, chiefly.
- 14849 REINERT, H. Factors in gluing test. (Ge) Holztechnik 46(8):364-366. Aug.1966. 99.82 H745
Wood.
- 14850 URBANK, E., and DZIEDZIC, L. The influence of some fungicides and insecticides on the shear strength of urea-formaldehyde resin bonded joints. (Ge) Holztechnologie 7(2):123-126. Ref. May 1966. 99.8 H744
English summary.
- Containers
- 14851 WOLF, E. Wood in packing. (Ge) Verpackungswirtschaft 13(8):6-8. Aug.1965. 280.38 V59
- Pulp and Paper
- 14852 BARTUNEK, R. Pulp sheet properties and behavior during alkali treatment. 1. (Ge) Papier 20(9):534-540. Sept.1966. 302.8 P1934
English summary.
- 14853 BEATH, L. R., NEILL, M. T., and MASSE, F. A. Latency in mechanical wood pulps. Pulp Pap. Mag. Can. 67(10):T423-T430. Oct. 1966. 302.8 P96
- 14854 BRANDAL, J., and LINDHEIM, A. The influence of extractives in groundwood pulp on fibre bonding. Pulp Pap. Mag. Can. 67(10):T431-T435. Ref. Oct.1966. 302.8 P96
- 14855 CANADIAN PULP AND PAPER ASSOCIATION. Proceedings of the fifty-third annual meeting. Montreal, January 28, 1960. n.p., 1966. 43 p. 99.9 C1632P
- 14856 DOUGLASS, I. B., and PRICE, L. A study of methyl mercaptan and dimethyl sulfide formation in kraft pulping. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(8):335-342. Ref. Aug. 1966. 302.8 T162
- 14857 GUHA, S. R. D., SINGH, M. M., and KUMAR, K. Production of mechanical pulps from Sterculia alata and Cassia siamea. Indian Forest. 92(8):523-528. Aug.1966. 99.8 In2
- 14858 HERBERT, W., and KOHLHEPP, D. H. Modern pulp making and stock preparation—with emphasis on increased profits. Indian Pulp Pap. 21(3):225-231. Sept.1966. 302.8 In23
- 14859 HOH, L. K., STALTER, N. J., and FENNEL, F. L. Peroxide bleaching of chemi-mechanical hardwood sulphite pulp. Pap. Trade J. 150(7):57-60. Nov.21,1966. 302.8 P196
- 14860 HOSSAIN, S. M. Studies of the fibre dimension of ten indigenous hardwood species. Sci. Indus. 4(2):126-128. Apr.1966. 475 Sci238
In pulp and paper manufacture.
- 14861 JAMESON, R. G., and NICHOLLS, G. A. Investigation on kraft pulping of Weinmannia racemosa. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(6):145-149. Ref. May 1966. 302.8 Au7
- 14862 MELO S., R., and MADSEN P., E. Pulps from sawmill waste and thinnings. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):54A-55A. Sept. 1966. 302.8 T162
Sulfate and sodium bisulfite from Pinus radiata.
- 14863 SCOTT, J. B. Processing of chips and wood wastes for mechanical and chemical pulps. Norsk Skogindus. 20(9):320-328. Aug.1966. 99.82 N81

- 14864 STEVENS, W. P., and MARTON, R. Effect of peracetic acid on the properties of high yield pulps. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(10):452-456. Ref. Oct.1966. 302.8 T162
- 14865 TOMLINSON, G. H. Trends and developments in pulping. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):377-382. Ref. Sept.1966. 302.8 T162
- 14866 TOOF, F. L. The origin and uses of paper. Res. Develop. Ass. Activ. Rep. 18(1):30-35. Spring 1966. 389.9 As74A
Includes materials.
- 14867 VERIN DER ZELLSTOFF-UND PAPIER-CHEMIKER UND-INGENIEURE. Report of the general meeting of 1966 in Baden-Baden. June 28-July 1. (Ge) Papier 20(8):453-481. Aug. 1966. 302.8 P1934
Includes abstracts of papers and discussions.
- 14868 WEINER, J., and ROTH, L. The influence of environment and genetics on pulpwood quality. Appleton (Wis.) Inst. Pap. Chem. Bibliogr. Ser. 224,176 p. 1966. 241.4 Ap5

Chemical Products and Distillates

- 14869 CYBULKO, T. Effect of resin-tapping upon the oil content in needles of the Scotch pine (*Pinus silvestris* L.). (Pol) Sylwan 110(4):75-76. 1966. 99.8 Sy52
- 14870 GEOGHEGAN, J. T., MYATT, C. O., and RODSON, M. The determination of organically combined sulfuric anhydride in sulfated tall oil fatty acid esters. Amer. Oil Chem. Soc. J. 43(10):600-601. Oct.1966. 307.3 J52
- 14871 HERAULT, E. Tall oil and its uses in the manufacture of resins, plasticizers, and driers. (Fr) Rev. Prod. Chim. 66(1350):519-522,527-529. Oct. 15. 1966. 383 R327
English summary.
- 14872 KARNIK, M. G., BHATIA, K., and LAL, J. Seasonal variation in pine needle oil from *Pinus roxburghii*. Indian Forest. 92(8):521-522. Aug.1966. 99.8 In2
- 14873 LINNELL, W. S., and SWENSON, H. A. Structure of the black spruce glucomannan. I. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(10):444-446. Ref. Oct.1966. 302.8 T162
- 14874 LUNDQVIST, R. Studies on tall oil components. II. Fatty acid composition of lignin ester. Arkiv Kem. 25(5):429-434. 1966. 385 Ar4
- 14875 NIMZ, H. Oligomer degradation phenols of spruce lignin. (Ge) Chem. Ber. 99(8):2638-2651. 1966. 384 B45
- 14876 TAKAHASHI, T., and IMAMURA, H. Naturally occurring 4-O-methylgallic acid in *Poupartia axillaris* King et Prain. Agr. Biol. Chem. 30(6):617-618. June 1966. 385 Ag8B
From the wood extractive.

Naval Stores

- 14877 CIANETTI, E., and GIUSTINIANI, M. Study of natural resins and balsams with infrared spectrophotometry. (It) Rass. Chim. 18(5): 231-243. Sept./Oct.1966. 385 R18
- 14878 DREW, J., and PYLANT, G. D. Turpentine from the pulpwoods of the United States and Canada. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(10):430-438, map. Ref. Oct.1966. 302.8 T162
Study of composition from *Coniferae* spp.
- 14879 KALUDIN, K. Effectiveness of upward and downward direction of notch cutting on the course of short-termed resin tapping in Scotch pine. (Pol) Sylwan 110(6):47-52. 1966. 99.8 Sy52
English summary.
- 14880 SCHULLER, W. H. Utilization research on gum naval stores. Nav. Stores Rev. Terpene Chem. 76(5):4-5. Aug.1966. 99.81 N22
At the Naval Stores Laboratory (Olustee, Fla.) of the Southern Utilization Research and Development Division of the Agricultural Research Serv.

- 14881 ZANDERSONS, J. Gum-exudation dynamics in chemical pine resin tapping with sulfuric acid stimulation. (Rus) Latv. PSR Zinat. Akad. Vestis 6:58-68. Ref. 1966. 511 R442
English summary.

Other Forest Products

- 14882 ANDRZEJOWSKI, L. Tentative estimation of industrial stumpwood resources on the base volume of felled pine wood and average duramen value of pine roots. (Pol) Sylwan 110(4): 21-30. 1966. 99.8 Sy52
English summary.
- 14883 CROWLEY, E. L., and others. Disk chipping long or short logs. Pap. Trade J. 150(46):67-70. Nov.14,1966. 302.8 P196
A. Zaichkowsky, N. P. Wardwell, and J. R. Rogers, joint authors.
- 14884 DUARTE, J. A. R. Origins of the industry of fiberboards. (Sp) Mex. Bosques 3(6):6-15. Nov./Dec.1965. 99.8 M573
Includes statistics.
- 14885 GRANT, S. E. Mobile vs. stationary chip mills. Pap. Trade J. 150(46):61-62. Nov.14, 1966. 302.8 P196
- 14886 GUTHRIE, J. J. Vibrating conveyors and feeders for chip handling. Pap. Trade J. 150(46): 64-67. Nov.14,1966. 302.8 P196
- 14887 HAJNY, G. J. Outside storage of pulpwood chips. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(10):97A-105A. Oct.1966. 302.8 T162
Review of literature.
- 14888 KEHR, E., and SCHERFKE, R. Investigations for improving the top coat quality of three-layered particle boards. (Ge) Holztechnologie 7(2):97-103. Ref. May 1966. 99.8 H744
English summary.
- 14889 KOLEJAK, M., and BORBA, J. A study on spreading glues on wood particles. I. Function of a centrifugal sprayer under various spreading conditions. (Cz) Dreversky Vyskum 2:91-105. Ref. 1966. 99.82 D812
English summary.
Gluing of particle boards.
- 14890 LANDMESSER, W., and FINCKE, B. Primary fixing of test data of research on particle boards in machine-punched cards. (Ge) Holztechnologie 7(2):75-80. May 1966. 99.8 H744
English summary.
- 14891 LASCHIN, W., and MULLER, H. Investigations on the direct and indirect pneumatic conveyance of rechiped standard flakes. (Ge) Holztechnologie 7(2):109-112. May 1966. 99.8 H744
English summary.
- 14892 PATSCHEKE, G., and KERNER, G. Procedure for obtaining pencil-wood by chemical treatment of beech wood. (Ge) Holztechnologie 7(2):93-96. May 1966. 99.8 H744
English summary.
- 14893 PANNELL, H. The effect of water conditions on the rosin sizing of paperboard. Indian Pulp Pap. 21(3):191,193,195,197-198. Sept. 1966. 302.8 In23
- 14894 PLATH, L. The determination of formaldehyde liberation from particleboards by the microdiffusion method. (Ge) Holz Roh- Werkstoff 24(7):312-318. Ref. July 1966. 99.81 H74
English summary.
- 14895 RAZZAQUE, M. A. Static bending test of hardwoods made from a mixture of wood species. Sci. Indus. 4(2):131-134. Apr.1966. 475 Sci238
For making hardboard.
- 14896 SCHMUTZLER, W. Sanding machine for particleboard. (Ge) Holz Roh- Werkstoff 24(9): 390-395. Ref. Sept.1966. 99.81 H74
English summary.
- 14897 STOJCEV, A., and NOVOTNY, M. Wood particle board made water repellent with melted paraffin. (Ge) Holztechnologie 7(2):88-92. May 1966. 99.8 H744
English summary.

- 14898 TOMEK, A. Heat treatment of wood particles—a new method for making particle boards water-repellent. (Ge) Holztechnologie 7(3):157-160, Aug.1966, 99.8 H744
English summary.
- 14899 WANG, P. Y. The process of finding a research subject. (Ch) Scientia Silvae 10(3):279-280, July 1965, 99.8 L632
Log waste utilization to make cardboard. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:13, Feb.23,1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 14900 WEEKS, L. E. Measuring moisture in whole truckloads of chips. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(10):63A,64A, Oct.1966, 302.8 T162
- SILVICULTURE
- 14901 ANGELOV, S., PETKOV, P., and BUCHVAROV, D. Typological classification of growing conditions in eastern part of Rhodope Mountains. (Bu) Gorskostopanska Nauk. 2(3):171-188, Ref. 1965, 99.8 G683
German summary.
- 14902 ANTOLA, A., and SOPO, R. Cleaning forested-swamp drains. (Fi) Suo 17(3):39-47, July 25, 1966, 54.8 Su7
English summary.
- 14903 BAGLEY, W. T. Horning State Farm; exotic tree species tested. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):6, Summer 1966, 100 N27N
- 14904 BEVEGE, D. I. Soil sterilisation with mylone in slash pine seed beds in a southern Queensland forest nursery. Commonwealth Forest. Rev. 45(3):236-243, Ref. Sept.1966, 99.8 Em72
- 14905 BILOUS, V. I. Growing highly productive mixed oak stands. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:72-76, May 1965, 20 V82
Russian summary.
- 14906 BISWELL, H. H., GIBBENS, R. P., and BUCHANAN, H. Big tree [Sequoia gigantea] understory and hidden views. Calif. Agr. 20(5):2-3, May 1966, 100 C12Cag
- 14907 BLOKHUIS, J. L. W. Application of selection cutting in Netherlands. (Du) Ned. Bosbouw Tijdschr. 35(7):261-264, July 1966, 99.8 N28
- 14908 BORRESEN, E. Use of jiffy pots in silviculture. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1567-1569, 1965, 509 D81
- 14909 BRUNER, M. H. Prescribed burning to reduce kudzu [Pueraria thunbergiana] fire hazard. Fire Contr. Notes [Washington] 27(3):5, July 1966, 1 F766Fi
South Carolina.
- 14910 BUDZYNSKI, M. Tasks of water meliorations in forestry on the background of water balance formation and water management in forests. (Pol) Sylwan 109(4):61-66, Ref. 1965, 99.8 Sy52
English summary.
Irrigation and drainage.
- 14911 CLONARU, A., and others. Culture of Populus americana and Salix alba in the flood lands of Danube River. (Rum) Rev. Padurilor 81(5):264-267, May 1966, 99.8 R327
H. Nicovescu, S. Ocskey, and I. Dinca, joint authors.
English summary.
- 14912 COOK, D. B. Growth and silviculture of larch hybrids. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:21-23, 1965, pub.1966, 99.9 N813
- 14913 CROSSLEY, D. I. Application of scientific discoveries and modern technologies in silviculture. Pulp Pap. Mag. Can. 67(10):WR496, WR498-WR502, Ref. Oct.1966, 302.8 P96
- 14914 CSIKOS-TOTH, I. Two-year experience in poplar culture under irrigation. (Hu) Erdo 15(8):358-362, Aug.1966, 99.8 Er22
German summary.
- 14915 DELVAUX, J. Tsuga heterophylla (Raf.) Sarg. (Fr) Soc. Roy. Forest. Belg. Bull. 73(7):297-337, Ref. July 1966, 99.9 B83
Includes culture.
- 14916 FRICKER, C. Analysis and characteristics of forest soils. (Fr) Forêt Privée 47:67-74, Jan./Feb.1966, 99.8 F7697
- 14917 GEISLER, D. Efficient methods for plot clearing. (Ge) Sozialistische Forstwirtschaft. 16(6):167-170, June 1966, 99.8 W143
Includes equipment.
- 14918 GOULD, M. L. Shelterwood harvest methods and results for coniferous species, 1930 to 1964; a bibliography. Portland, Oregon, U. S. Forest Service, Pacific Northwest Forest Range Experiment Station, 1965, 8 p. aZ5991.G6
- 14919 GRANICZNY, S. Preliminary results of studies on the development of forest regeneration under conditions of the use of various manners of cutting. (Pol) Sylwan 110(6):27-38, 1966, 99.8 Sy52
English summary.
- 14920 HOGNAS, B. Undersökning av skogstyper och beståndsutveckling på Åland. Investigations on forest sites and stand development in Åland. Acta Forest. Fenn. 78(2), 127 p., map, Ref. 1966, 99.9 F492
English summary.
Pine and spruce.
- 14921 ILMURZYNSKI, E. Tending operations in two-storied stands in Lithuania. (Pol) Sylwan 109(3):62, 1965, 99.8 Sy52
- 14922 KERN, K. G. Wachstum und Umweltfaktoren im Schlag- und Plenterwald [Growth and environmental factors in cutover and selection forest]. Freiburg. Albert-Ludwigs-Univ. Forstl. Abt. Schriftenreihe 5, 232 p. 1966, 99.9 F88
Bibliography, p.212-222.
- 14923 KOHLSTOCK, N. First experiences in the use of ammonium sulfamate (AMS) for the chemical cleaning of hardwood. (Ge) Sozialistische Forstwirtschaft. 16(6):176-179, June 1966, 99.8 W143
- 14924 KRUSE, W. Experiences in the cultivation of beech under deciduous trees and hazel. (Ge) Sozialistische Forstwirtschaft. 16(6):171-172, June 1966, 99.8 W143
- 14925 LIU, C. K., and WANG, C. C. A study of the causes and preventive measures for clump-growth in artificial red pine forests, Pinus koraiensis Sieb et Zucc. (Ch) Scientia Silvae 10(4):313-317, Oct.1965, 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:18, Feb.23,1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSTI.
- 14926 MANN, H. J. Stand care in the forest. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1394-1396, Sept.15,1966, 18 N39
Cutting policy.
- 14927 MASTYNSKI, Z. Remarks about bases for forest site diagnosis and silvicultural principles. (Pol) Sylwan 109(3):1-6, 1965, 99.8 Sy52
- 14928 MAUN, M. M. Silvical characteristics of molave (Vitex parviflora Juss.). Philippines. Bur. Forest. Silvical Leaflet. 3, 28 p. Ref. Dec. 1958, 99.9 P54
- 14929 MCCLURKIN, D. C. Survival of planted loblolly pine seedlings: moisture, temperature, and soil as influences. J. Forest. 64(11):731-734, Nov.1966, 99.8 F768
- 14930 MELEKHOV, I. S. Rubki glavnogo pol'zovaniya [Basic cutting systems]. Ed. 2, rev. and enl. Moskva, Lesnaya Promyshlennost', 1966, 374 p. Ref. SD538.M4
- 14931 MELEKHOV, I. S., KORKONOSOVA, L. I., and CHERTOVSKOY, V. G. Rukovodstvo po izucheniyu tipov kontsentrirovannykh vyrubok [Manual for the study of types of clear cuttings]. Ed. 2, rev. and enl. Moskva, Nauka, 1965, 180 p., map. Ref. QK938.F6M4
- 14932 MROCZKIEWICZ, L., and URBANSKI, K. Mapping of forest site types. (Pol) Sylwan 109(6):21-26, 1965, 99.8 Sy52
English summary.

- 14933 NAUMOV, Z., and ANTONOV, G. Some structural peculiarities of forest soils in north-western part of Rila Mountains. (Bu) Gorskostopanska Nauk. 2(3):189-198. 1965. 99.8 G683
German summary.
- 14934 PAA, N. F., and GERARDO, J. A. Silvical characteristics of almon (Shorea almon FOXW.). Philippines. Bur. Forest. Silvical Leaflet. 10,15 p. Ref. Apr.1966. 99.9 P54
- 14935 PALMER, Z., and DEVET, D. D. Prescribed burning techniques on the National Forests in South Carolina. Fire Contr. Notes [Washington] 27(3):3-4,14. July 1966. 1 F766F1
- 14936 POMEROY, K. B. Workshop in the woods—31 centuries. Amer. Forests 72(10):16-21, 37-38. Oct.1966. 99.8 F762
Forestry Conservation Workshop for youth held in Wisconsin, July 24 to August 13, 1966.
- 14937 PROKOPIEV, E. Culture of Sudetic larch [Larix decidua sudetica] and alpine larch [Larix decidua alpica] in Bulgaria. (Bu) Gorskostopanska Nauk. 3(3):197-201. 1966. 99.8 G683
French summary.
- 14938 RADU, S. The culture of poplars in France. (Rum) Rev. Padurilor 81(5):304-307, map. May 1966. 99.8 R327
- 14939 SHEN, K. F., FU, Y. H., and CH'EN, I. Problem of thinning for bushy oil-pines *Pinus tabulaeformis*. (Ch) Scientia Silvae 10(4):292-298. Oct.1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:15. Feb.23,1966. (JPRS 34,324; TT 66-30686) 241.7 Un34C
Issued by CFSIL.
- 14940 STONE, E. L. Soil factors and the growth of Japanese and European larch. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:36-44. 1965, pub.1966. 99.9 N8123
- 14941 SUKHANOVA, N. P. Seasonal variations of litter and lysimetric waters in pine forests. (Rus) Bot. Zhur. [Moscow] 50(12):1735-1741. Dec.1965. 451 R923
- 14942 SUNG, C. S., SUNG, P. C., and SUNG, C. S. Experience in winter vault storage of deciduous pine saplings of Liu-mao-ho Forest Region. (Ch) Scientia Silvae 10(3):235-238. July 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:6. Feb.23,1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSIL.
- 14943 TUMILOWICZ, J. The growth and culture of Yew trees (*Taxus baccata* L.) in the Arboretum of Rogow. (Pol) Sylwan 109(6):47-54. 1965. 99.8 Sy52
English summary.
- 14944 TYSZKIEWICZ, S. The task and directions of wood production in forestry. (Pol) Sylwan 109(4):31-36. 1965. 99.8 Sy52
English summary.
- 14945 URSIC, S. J. Mulch improves loblolly pine survival on coastal plain parent materials. J. Forest. 64(11):728-730. Nov.1966. 99.8 F768
Mississippi.
- 14946 WENDEL, G. W. Aerial spraying of low-grade hardwood stands with 2,4,5-T in West Virginia. U. S. Forest Serv. Res. Note NE-45,4 p. 1966. A99.9 F7622U
- 14947 WILLAN, R. L. Natural regeneration of high forest in Tanganyika. East Afr. Agr. Forest. J. 31(4):43-53. July 1965. 24 Ea74
As affected by silvicultural treatments.
- 14948 ZABIELSKI, S. Studies on poplar at Sarvar Experimental Station [Sarvar Kiserleti Allomas]. (Pol) Sylwan 109(3):69-72. 1965. 99.8 Sy52
A part of the Forestry Scientific Institute [Erdeszeti Tudomanyos Intezet] of Hungary.
- 14949 ZAREBA, R. Polish larch (*Larix polonica* Rac.) introduction into crown forests of the Kingdom of Poland in XIX century. (Pol) Sylwan 109(6):69-76. Ref. 1965. 99.8 Sy52
English summary.
- 14950 AHLGREN, C. E. Small mammals and reforestation following prescribed burning. J. Forest. 64(9):614-618. Ref. Sept.1966. 99.8 F768
- 14951 ALLEN, P. H. The task of establishing a significant supply of new and better trees. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:63-65. 1965, pub.1966. 99.9 N8123
- 14952 BALDWIN, H. I. Geographic variation in European larch [Larix decidua]. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:24-23. Ref. 1965, pub.1966. 99.9 N8123
- 14953 BENNETT, E. Partial chemical composition of four species of coniferous seeds. Forest Sci. 12(3):316-318. Sept.1966. 99.8 F7632
- 14954 BROEKHUIZEN, J. T. M., GULDEMOND, J. L., and KOSTER, R. The new poplar clones "Flevo" and "Dorskann." (Du) Ned. Bosbouw Tijdschr. 38(7):255-260. July 1966. 99.8 N28
English summary.
- 14955 CARLSON, C. E., and BLAKE, G. M. Hybridization of *Larix occidentalis* and *Larix lyallii*. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:45-49. 1965, pub.1966. 99.9 N8123
- 14956 CHIANG, S. T., CHAO, C. C., and TING, C. C. A summarization of experience in cultivating saplings of *Paulownia tomentosa* from cuttings. (Ch) Scientia Silvae 10(4):299-305. Oct.1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:16. Feb.23,1966. (JPRS 34,245; TT 66-30686) 241.7 Un34C
Issued by CFSIL.
- 14957 CHMIELEWSKI, W. Knowledge of heredity conditions the prerequisite in silviculture. (Pol) Sylwan 110(4):77-83. 1966. 99.8 Sy52
- 14958 COSTIN, E., TRACI, C., and ARGHIRIDAE, C. Some aspects of the afforestation of eroded soils in Rumania. (Rum) Rev. Padurilor 81(5):268-272. May 1966. 99.8 R327
English summary.
- 14959 DILLA, L. Landscape formation in the lignite forestry district of Rhine with special emphasis on forestry recultivation and establishment of recreational areas. (Ge) Forst- Holzwirt 21(17):381-382,384-386. Sept.8,1966. 99.8 F7724
- 14960 ELDRIDGE, K. G. Genetic improvement of *Eucalyptus regnans* by selection of parent trees. APPTA (Australian Pulp Pap. Indus. Tech. Ass.) 19(6):133-138. May 1966. 302.8 Au7
- 14961 ELIASON, E. J. New York State Forest Tree Improvement Program. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:66-71. 1965, pub.1966. 99.9 N8123
- 14962 ELK, B. C. M. VAN. Propagation of *Metasequoia* [glyptostroboideis] by cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:35-36. 1966. 86 B65
- 14963 ENESCU, V., VLAD, and BAKOS, V. Mapping seed trees in Rumania, establishment of national seed tree forests and their management. (Rum) Rev. Padurilor 81(5):287-291, map. May 1966. 99.8 R327
- 14964 FERNANDO, S. N. U. Teak in Ceylon nurseries. Ceylon Forest. (n.s.) 7(1/2):57-59. Jan./Dec.1965. 99.8 C333
- 14965 FRANKLIN, E. C. Photoelectric seed counter for forestry research. Forest Sci. 12(3):362-364. Sept.1966. 99.8 F7632
- 14966 FRITZSCH, R. Mechanized planting of seeds in forest nurseries from the points of technique, technology and economy. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1563-1566. 1965. 509 D81
- 14967 GASTLER, A. Digging out seedlings in forest nurseries. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1593-1596. 1965. 509 D81
Digging equipment.
- 14968 GERHOLD, H. D. Growth and winter injury of Douglas fir in a three-year provenance demonstration. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:50-63. 1965, pub.1966. 99.9 N8123
Includes discussion.

- 14969 GIERTYCH, M. M. Adapting provenance trials towards the most efficient selection and preservation of desirable forest populations. Sumarski List 90(1/2):88-95. Ref. Jan./Feb. 1966. 99.8 Su6 Poland.
- 14970 GOUTTIN, P. Planting space for Picea. (Fr) Forêt Privée 47:29-31. Jan./Feb. 1966. 99.8 F7697
- 14971 GUIMARAES, R. F. Planting date of *Pinus eliotii* Eng. (Sp) Rev. Forest. Argentina 10(1): 12-14. Jan./Mar. 1966. 99.8 R3252
- 14972 HAGGSTROM, B. Importance of planting material for forest planting results. (Sw) Jord Skog 18(1):18-19. 1966. 56.8 M373 *Pinus sylvestris* and *Picea abies*.
- 14973 HEIT, C. E. Better Scotch pine Christmas trees by seed source testing in the nursery. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:73-74. 1965. pub. 1966. 99.9 N8123
- 14974 HUSAIN, A. M. M. Preliminary observations on airlaying in *Eucalyptus* (Mysore hybrid). Indian Forest. 92(8):544-547. Aug. 1966. 99.8 In2
- 14975 HUURI, O. Mannyn- ja kuusenkappien varastoinnin vaikutus niistä saatavan siemenen itävytyteen. The effects of storage of cones on the viability of pine and spruce seed. Acta Forest. Fenn. 78(5):46 p. Ref. 1966. 99.9 F492 English summary.
- 14976 KLANG, C. A. Trees for windbreaks in fruit culture today. (Sw) Fruktodlaren 37(4):105-107. May 1966. 86 Sv2F Planting.
- 14977 KLEMM, W. The use of radioactive isotopes in the Institute of Forest Plant Breeding [Institut für Forstpflanzenzüchtung] Graupa. (Ge) Sozialistische Forstwirtschaft. 16(6):165-167. June 1966. 99.8 W143 English summary, inside back cover. Includes list of publications by the Institute.
- 14978 KOCIECKI, S. Seed trees and their role in the supply of sowing material for State forests. (Pol) Sylwan 109(5):79-83. 1965. 99.8 Sy52
- 14979 KUCHARZEK, B. The utilization of seed stands of pine excluded from cutting. (Pol) Sylwan 110(1):79-80. 1966. 99.8 Sy52 For greater seed yields.
- 14980 LANGLET, O. On the principles for the use of imported spruce provenances in Sweden. (Sw) Norsk Skogbruk 11(11/12):363-366. June 1965. 99.8 N815
- 14981 LANGNER, W., and STERN, K. Investigations on the variation and covariation of some characters of Japanese larch (*Larix leptolepis* Gord.) from different sources of origin. (Ge) Z. Pflanzenzucht. 54(2):154-168. Ref. Nov. 1965. 450 Z36 English summary. From Michigan and Germany.
- 14982 LENARD, A. How to prevent enormous damages caused by wind. (Sl) Soc. Kmetijstvo Gozdanstvo 16(14):350-351. Oct. 15, 1965. 21.5 Sd14 Planting windbreaks for the protection of cedar forests.
- 14983 LESKINEN, U. The culture of tree seedlings under plastics. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1549-1552. 1965. 509 D91
- 14984 LI, W. Y., YANG, I. P., and CH'EN, J. L. Breeding for rust-resistance of poplars. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:85-97. Aug. 1965. Not in Libr. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:12-13. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3 Issued by CFSTI.
- 14985 LI, W. Y., HUANG, W. K., and WEI, F. L. Selection of poplars for rust resistance in Northeast China. (Ch) Chung-kuo K'o Hsueh Yuan Lin Yeh T'u Jang Yen Chiu So Chi K'an 2:73-83. Aug. 1965. Not in Libr. Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Earth Sci. 32:10-11. Mar. 23, 1966. (JPRS 34,677; TT 66-31116) 241.65 Un3 Issued by CFSTI.
- 14986 MCLEMORE, B. F., and BARNETT, J. P. Storing repellent-coated southern pine seed. J. Forest 64(9):619-621. Sept. 1966. 99.8 F768 Arasan and endrin treatment.
- 14987 MILEWSKI, J. The problem of an utilization of variation in tree and shrub species populations for afforestation purposes. (Pol) Sylwan 109(4):37-40. 1965. 99.8 Sy52 English summary.
- 14988 MOEN, H. Motto for forest planting 1966; better growth and increased planting. (No) Norsk Landbruk 10:17-19. May 20, 1966. 11 N8122 Spruce and pine.
- 14989 MULLIN, R. E. Overwinter storage of baled nursery stock in northern Ontario. Commonwealth Forest. Rev. 45(3):224-230. Ref. Sept. 1966. 99.8 Em72
- 14990 NATHER, H. Forest seed harvesting outlook in 1966. (Ge) Forstl. Bundesversuchsanst. Wien. Inform. 104,2 p. In Allg. Forstzeitung 77(10). Oct. 1966. 99.8 AL53
- 14991 NORTHEASTERN FOREST TREE IMPROVEMENT CONFERENCE, 13, ALBANY, N. Y., 1965. Proceedings. Upper Darby, Pa., 1966. 79 p., map. Ref. 99.9 N8123
- 14992 PAPP, I. Possibility for seedling production outside the nursery. (Hu) Erdo 15(8):363-366. Aug. 1966. 99.8 Er22 Propagation by cuttings.
- 14993 PETKOV, P. B. Study of soils in forest nurseries of eastern part of Rhodope Mountains. (Bu) Gorskopostanska Nauk. 3(3):213-219. 1966. 99.8 G683 German summary.
- 14994 PEUKERT, M. Experience in the application of various types of cultivators and limits of their use. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1571-1573. 1965. 509 D81 In nurseries.
- 14995 REISSINGER, G. Experimentation in angle planting of trees. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1623-1625. 1965. 509 D81
- 14996 ROHRBACH, H. *Pinus peuce*, a white pine immune to blister rust. Amer. Nurseryman 124(5):10,56-58. Sept. 1, 1966. 80 Am371
- 14997 ROLLAND, M. Forest groups (juridical and fiscal statutes). (Fr) Rev. Prat. Legislation Agr. 19(232):163-166. (Cont.) Sept. 1966. 281.8 R325 For reforestation development.
- 14998 SCHREINER, E. J. Maximum genetic improvement of forest trees through synthetic multiclonal hybrid varieties. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:7-13. Ref. 1965. pub. 1966. 99.9 N8123
- 14999 SEPPALA, K. Seeding and planting in peatlands. (Fi) Suo 17(3):54-54. July 25, 1966. 54.8 Su7 English summary. Pines.
- 15000 SLUDER, E. R. Hand-pollinate yellow-poplar without climbing. U. S. Forest Serv. Res. Note SE-54,7 p. Apr. 1966. A99.9 F7623Un
- 15001 STAIRS, G. R. Geographic variation in Japanese larch [*Larix leptolepis*]. Northeast. Forest Tree Impr. Conf. Proc., 13th Conf.:30-36, map. Ref. 1965. pub. 1966. 99.9 N8123
- 15002 STEFANESCU, P. On the substitution and reconstruction of three stands of low production in the beech subzone. (Rum) Rev. Padurilor 81(6):322-325. June 1966. 99.8 R327
- 15003 THUMMLER, K. The certification of forest seed stands demands the collaboration of forestry practice. (Ge) Sozialistische Forstwirtschaft. 16(7):210-212. July 1966. 99.9 W143
- 15004 TODA, R. Preservation of gene pool in forest tree populations. Sumarski List 90(1/2):72-75. Jan./Feb. 1966. 99.8 Su6 By selection and seed orchards.
- 15005 TOMPA, K. Results of willow breeding in Hungary. (Ge) Sozialistische Forstwirtschaft. 16(6):173-175. June 1966. 99.8 W143
- 15006 TSANOVA, P. Resistance of certain poplar clones against *Melanospora populina* Kleb. and brown muciferous flow. (Bu) Gorskopostanska Nauk. 3(3):221-233. Ref. 1966. 99.8 G683 English summary.

- 15007 URBANSKI, K. From studies on the success of grafting in Scotch pine. (Pol) Sylwan 109(4): 55-60, 1965, 99.8 Sy52
English summary.
- 15008 VAN BULTENEN, J. P. Testing loblolly pines for drought resistance. Tex. Forest Serv. Tech. Rep. 13, 14 p. Ref. July 1966, 99.9 T31T
- 15009 VASILEV, V. N. The role of physical, mechanical and physiological properties of conifer seeds in the mechanization of their planting. (Ge) Dresden. Tech. Univ. Wiss. Z. 14 (6):1543-1548, 1965, 509 D81
- 15010 VECCHI PELLATI, E. DE. Preliminary data on the tests with the individual descendants of mother plants of *Pinus strobus*. (Fr) Sumarski List 90(1/2):41-48, Jan./Feb. 1966, 99.8 Su6
- 15011 VIDAOKOVIC, M., and ZUFA, L. Preservation of the gene pool in natural stands for genetical research. Sumarski List 90(1/2):55-71, Ref. Jan./Feb. 1966, 99.8 Su6
Text also in Serbo-Croatian, p.64-70.
- 15012 WAKELEY, P. C. Milestones to current planting problems and opportunities. Amer. Pulpwood Ass. Tech. Pap., July 1966:14-16, 99.9 Am33Te
- 15013 WARD, W. W. Oak-hardwood reproduction in central Pennsylvania. J. Forest. 64(11):744-749, Nov. 1966, 99.8 F768
- WOOD TECHNOLOGY
- 15014 BALATINECZ, J. J. An anomaly in tracheid anatomy in the latewood of white pine. Forest Prod. J. 16(8):46, Aug. 1966, 99.9 F7662J
Pinus strobus.
- 15015 BERGMANN, R. Industrial wood from overseas. 31. Moving from Africa. (Ge) Holztechnik 46(8):399-400, Aug. 1966, 99.82 H745
Properties of *Distemonanthus benthamianus* wood.
- 15016 BERGMANN, R. Industrial wood from overseas. 32. Niove from Africa. (Ge) Holztechnik 46(9):442-444, Sept. 1966, 99.82 H745
Properties of *Staudia gabonensis* wood.
- 15017 BLUHM, S., E., and others. Shrinkage of wood and its reconditioning. Tests with the recovery from shrinkage of wood of *Eucalyptus globulus* grown in Chile. (Sp) Santiago de Chile. Inst. Forest. Inform. Tec. 22, 23 p. Sept. 1965, 99.9 Sa53I
W. G. Kauman, R. Melo S., and C. Neira M., joint authors.
- 15018 CHENE, M., LAFAYE, F., and DARDELET, S. Contribution to the study of the estimation of the carboxyl groups of cellulose. (Fr) Chim. Anal. 48(8):429-438, Ref. Aug. 1966, 383 An72
English summary.
- 15019 GORING, D. A. I. Treating wood components as polymers. Trend 8:5-6, Summer 1966, 302.8 T72
- 15020 GRIGAL, D. F., and SUCCOFF, E. I. Specific gravity variation among thirty jack pine plots. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(11): 497-498, Nov. 1966, 302.8 T162
- 15021 GVOZDEVA, E. N., and SHARKOV, V. I. Isolation and chemical composition of hemicellulose. (Rus) Zhur. Prikladnoi Khim. 39(9):2074-2078, Sept. 1966, 385 Z64
From *Pinus sylvestris* wood.
- 15022 HARRIS, J. M. A survey of the wood density, tracheid length and latewood characteristics of radiata pine grown in New Zealand. Wellington. Forest Res. Inst. Tech. Pap. 47, 31 p., map. Ref. 1965, 99.9 W46T
- 15023 KOCON, J., and MATEJAK, M. The application of X-rays in the examination of wood. (Pol) Sylwan 110(4):11-20, 1966, 99.8 Sy52
English summary.
- 15024 KOLLMANN, F. Wood and fire. (Ge) (Condensed) Wald Holz 47(12):362-365, Aug. 1966, 99.8 W14
Ignition.
- 15025 KURSCHNER, K. Survey on the development of the most important analytical methods of investigations in wood chemistry. I. (Ge) Holztechnologie 7(3):147-152, Ref. Aug. 1966, 99.8 H744
English summary.
- 15026 LAMING, P. B. The structure of Guibourtia arnoldiana J. Leonard (muteny). (Du) T.N.O. [Toegepast-Natuurwetensch. Onderz.] Nieuws 21(10):353-361, Ref. Oct. 1966, 475 T11
- 15027 LIANG, S. C., CHIN, H. C., and LIAO, Y. C. An average moisture content chart for various species of lumber as determined by moisture tests of powdered samples. (Ch) Scientia Silvae 10(3):265-272, July 1965, 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 43:10, Feb. 23, 1966. (JPRS 34,245: TT 66-30688) 241.7 Un34C
Issued by CFSIL.
- 15028 LINNELL, W. S., THOMPSON, N. S., and SWENSON, H. A. Structure of the black spruce glucumnan. Lignin-glucumnan relationships. II-III. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(11):491-497, Ref. Nov. 1966, 302.8 T162
- 15029 LITTLE, S., and MERGEN, F. External and internal changes associated with basal-crook formation in pitch [*Pinus rigida*] and shortleaf [*Pinus echinata*] pines. Forest Sci. 12(3):268-275, Ref. Sept. 1966, 99.8 F7632
- 15030 MANLEY, R. J. Cellulose—its fine structure. Trend 8:7, Summer 1966, 302.8 T72
- 15031 MICHIE, R. I. C. A kinetic study of the acetylation of cellulose under adiabatic conditions. Pulp Pap. Mag. Can. 67(10):T461-T468, Ref. Oct. 1966, 302.8 P96
- 15032 MUTIBARIC, J. Variations of fiber length in natural stands of white willow (*Salix alba* L.). (Se) Sumarski List 90(1/2):49-54, Jan./Feb. 1966, 99.8 Su6
English summary.
- 15033 NIKITIN, N. I. The chemistry of cellulose and wood. 691 p. Ref. QD321.N53
Translation of Khimiya Drevesiny i selulyozy.
- 15034 PARAMESWARAN, N., and METCALFE, C. R. Notes on the wood structure of *Panda oleosa* and *Galearia celebica*. Kew. Roy. Bot. Gard. Kew Bull. 20(2):319-321, 1966, 451 K51B
- 15035 PHILLIPS, E. W. J. Dermatitis caused by a rosewood substitute. Wood [London] 31(9):44, Sept. 1966, 99.82 W855
Machaerium scleroxylon.
- 15036 PLAZA, A. S. Some considerations on the point of moisture saturation of wood and its determination. (Sp) Montes 22(128):155-158, Mar./Apr. 1966, 99.8 M763
- 15037 POLCIN, J., and KARHANEK, M. Preparation of ultrathin layers of swollen cellulose fibers with glycolmethacrylate. (Ge) Naturwissenschaften 53(9):224, May 1, 1966, 474 N213
Wood fibers.
- 15038 RAFALSKI, J. Dielectric properties of differently compressed solid common beech wood. (Ge) Holztechnologie 7(2):118-122, Ref. May 1966, 99.8 H744
English summary.
- 15039 ROUDIER, A. J., and GALZIN, J. Research on the hemicelluloses of the wood of the maritime pine of Les Landes (*Pinus pinaster* Solander subsp. *P. maritima* (Poiret) Fieschi et Gausen). V. (Fr) Soc. Chim. France, Bull. 8: 2480-2485, Ref. Aug. 1966, 383 P21B
- 15040 SEKHAR, A. C., and RAWAT, N. S. A note on physical and mechanical properties of *Disopyros microphylla*. Indian Forest. 92(8):548-549, Aug. 1966, 99.8 In2
- 15041 SIEMINSKI, R. Testing and measuring the surface structure of wood and wood base materials. (Ge) Holz Roh-Werkstoff 24(9):396-404, Ref. Sept. 1966, 99.8 H74
English summary.
- 15042 SWAN, E. P. A study of western red cedar bark lignin. Pulp Pap. Mag. Can. 67(10):T456-T460, Ref. Oct. 1966, 302.8 P96

- 15043 TAMOLANG, F. N., and others. Fiber dimensions of certain Philippine broadleaved and coniferous woods, palms, pandans, agricultural and ornamental plants. V. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(11):475-477. Ref. Nov. 1966. 302.8 T162
R. R. Valbuena, C. K. Lindayen, F. M. Mamaril, D. S. Alonzo, and B. A. Lomibao, joint authors.
- 15044 TARKOW, H., FEIST, W. C., and SOUTHERLAND, C. F. Interaction of wood with polymeric materials; penetration versus molecular size. Forest Prod. J. 16(10):61-65. Ref. Oct. 1966. 99.9 F7662J
- 15045 THOMPSON, N. S., and others. The isolation and the carbohydrate composition of the epithelial cells of longleaf pine (*Pinus palustris* Mill.). TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):401-405. Ref. Sept. 1966. 302.8 T162
H. H. Heller, J. D. Hankey, and O. Smith, joint authors.
- 15046 VIRKOLA, N. E. Dialdehyde, dialcohol and dicarboxyl celluloses as model compounds of cellulose containing weak links. Teollisuuden Keskuslab. Tiedonantoja 364, 112 p. 1966. 330.9 T26
- 15047 VYSKOT, M. Comparison of growth and mechanical wood properties of different ecotypes of Larch (*Larix decidua* Mill.). (Ge) Arch. Forstwesen 15(4):429-439. 1966. 99.8 Ar22
English summary.
- 15048 WEINMAN, J., MITCHELL, V., and NAY, M. A partially automatic tree ring interval counter and keypunch: (PATRICK). Tree-Ring Bull. 27(3/4):12-15. Sept. 1966. 99.8 T713
- 15049 WHEELER, E. Y., ZOBEL, B. J., and WEEKS, D. L. Tracheid length and diameter variation in the bole of loblolly pine. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(11):484-490. Ref. Nov. 1966. 302.8 T162
- 15050 ZENKTELER, M., and WOZNIAK, H. Some incidental wood constituents in native tree species. (Pol) Sylvan 110(5):45-54. Ref. 1966. 99.8 Sy52
English summary.

PLANT SCIENCE

GENERAL

- 15051 ANANOVA, E. N. On the fossil flora and the age of the problematic Yashkulan suite. (Rus) Bot. Zhur. [Moscow] 51(8):1156-1160. Aug. 1966. 451 R923
- 15052 BACKMAN, A. L. Vaxtpaleontologiska studier pa Aland [Plant paleontological studies on Aland]. Soc. Fauna Flora Fenn. Acta 77(4), 43 p., map. 1964, pub. 1965. 511 H365
- 15053 BAKER, L. N. A tree called Moses. New York, Athenum, 1966. 69 p. Ref. SD383.B33 Sequoia gigantea.
- 15054 BARBASHINOVA, V. N. Spore-pollen complexes of Eocene deposits of the Maritime Territory. (Rus) Akad. Nauk SSSR. Dokl. 170(1): 149-151. 1966. 511 P444A
- 15055 BAROV, V. A criterion for the evaluation of the representativeness of extreme empiric data by the $\psi^2(n,t)$ function. (Bu) Rasteniyeudni Nauk. 2(5):77-88. 1965. 64.8 R18
English summary.
Statistical evaluation of results of field experiments in botany.
- 15056 BAROV, V., and IOVCHEVA, V. On some particular cases in evaluation of results from field tests of many years. (Bu) Rasteniyeudni Nauk. 2(10):19-30. 1965. 64.8 R18
English summary.
Statistical methods applied.
- 15057 BELLAMY, D. J., and others. Two quaternary deposits in the lower Tees basin. New Phytol. 65(4):429-442. Oct. 1966. 450 N42
M. E. Bradshaw, G. R. Millington, and I. G. Simmons, joint authors.
Pollen study.
- 15058 BERTSCH, K. Nuts in the local Quaternary. (Ge) Ver. Vaterland. Naturkunde Wurttemb. Jahresh. 120:194-199. Dec. 1965. 509 W96
- 15059 BONAMO, P. M., and BANKS, H. P. Calamophyton in the Middle Devonian of New York State. Amer. J. Bot. 53(8):778-791. Ref. Sept. 1966. 450 Am36
- 15060 CASSEDDANNE, J. The discovery of algae in the limestone at Bambui (State of Minas Gerais, Brazil). (Por) Acad. Brasil. Cienc. An. 37(1): 79-81. Mar. 31, 1965. 516 R473A
- 15061 CHOCHIEVA, K. I. The genus Aesculus in fossil flora of Georgia. (Rus) Bot. Zhur. [Moscow] 50(12):1721-1722. Ref. Dec. 1965. 451 R923
- 15062 CONERT, H. J. Botanical exploration trip to Mexico. (Ge) Natur. Mus. 96(3):117-120, map. Mar. 1966. 509 F856
- 15063 DEUTSCHE BOTANISCHE GESELLSCHAFT. Bericht uber die 72. Mitgliederversammlung (Generalversammlung) in Bonn 6. bis 11. September 1965 [Report of the 72nd membership meeting (general meeting) in Bonn Sept. 6-11, 1965]. Deut. Bot. Ges. Ber. 78(11), 144 p. Ref. (Cont.) 1965. 451 D48
- 15064 DIENI, L., and SPAGNULO, G. Calcareous algae of the Anisian of Dosso dei Morti. (It) Padua, Accad. Patavina Sci. Lett. Arti. Atti Mem. 76(2):107-116. Ref. 1963/64, pub. 1965. 507 P132
English summary.
- 15065 DILOV, KH. Some improvements in the G. R. Stokings's method for isolation of chloroplasts. (Bu) Rasteniyeudni Nauk. 3(5):37-43. 1966. 64.8 R18
English summary.
- 15066 DOLUDENKO, M. P. New species of the genus Pagliophyllum from the Jurassic period of southern USSR. (Rus) Bot. Zhur. [Moscow] 51(2):250-253. Ref. Feb. 1966. 451 R923
- 15067 FONT QUER, P., ed. Diccionario de botanica [Dictionary of botany]. Barcelona, Labor, 1965. 1244 p. Qk9.F6
- 15068 FREDBARJ, T. A recently discovered manuscript of Fundamenta Botanica. (Sw) Svenska Linne-Sallskapet. Arsskr. 47:5-15. 1964. 502 Sv2
English summary.
- 15069 FRESHWATER BIOLOGICAL ASSOCIATION. Thirty-fourth annual report for the year ended 31 March 1966. London, 1966. 120 p. 442.9 F89
Includes plants.
- 15070 FURRER, E. Seventy five years of the Zurichische Botanische Gesellschaft. (Ge) Zurich. Naturforsch. Ges. Vierteljahrsschr. 110(4):435-486. Ref. Dec. 1965. 508 Z8
- 15071 HEUSSER, C. J. Palynology of the Ogotoruk Creek area. In Wilimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.355-362. 1966. QH105.A4W5
- 15072 INOUE, H., and ASAKAWA, T. Making a motion picture of the life history of Marchantia polymorpha. Bryologist 69(3):369-373. Autumn 1966. 450 B84
Chiefly equipment and techniques.
- 15073 KOKAWA, S. Fossil endocarp of Davidia in Japan. Osaka City Univ. J. Biol. 16:45-51, map. Ref. Dec. 1965. 442.9 Os1
- 15074 KOLESNIKOVA, T. D. The postglacial flora of the southern Ladoga area and Kovash Basin (Leningrad Region). (Rus) Bot. Zhur. [Moscow] 51(3):404-408. Ref. Mar. 1966. 451 R923
- 15075 KOLESNIKOVA, T. D. Recent finds of fossil arctic plants in Estonia. (Rus) Akad. Nauk SSSR. Dokl. 168:1129-1131. 1966. 511 P444A
- 15076 KUPRIYANOVA, L. A. Pollen studies of the Quaternary deposits of the central Ferghana area in connection with archaeological investigations. (Rus) Bot. Zhur. [Moscow] 51(2):240-244. Ref. Feb. 1966. 451 R923
- 15077 KUZNETSOVA, T. A. Pollen and spores from Eocene deposits of the middle course of the Volga River. (Rus) Akad. Nauk SSSR. Dokl. 168:1135-1137. 1966. 511 P444A
- 15078 LEVENKO, A. I. Discovery of Lower Permian flora in the mountainous Mangyshlak and the age of Pharab conglomerates. (Rus) Akad. Nauk SSSR. Dokl. 169(2):411-413. Ref. 1966. 511 P444A
- 15079 MANCHESTER MUSEUM, COMMITTEE OF MANAGEMENT. Report for the year ending July 31st, 1965. Manchester, 1966. 20 p. 501 M313R
Includes botany and entomology.
- 15080 MUNSON, P. J. Midwestern dendrochronology and archaeological dating. III. State Acad. Sci. Trans. 59(3):241-245. Ref. 1966. 500 IL6
- 15081 MURRAY, E. A Philadelphian in Turkey. Morris Arboretum Bull. 17(3):39-46. Sept. 1966. 451 P383
Herbaria survey.
- 15082 PELIPENKO, YU. M. Results of comparison of spore-pollen complexes of the Sumy series and the type-section of the Luzanovka series. (Rus) Akad. Nauk SSSR. Dokl. 170(3):673-676. 1966. 511 P444A
- 15083 PURI, G. S. Priorities in botanical teaching and research in the Tropics, with special reference to West Africa. Kumasitech 4:17-25. Feb. 1965. 475 K96
- 15084 REISSMANN, R. Zarathustra and plant evolution. (Ge) Lebendige Erde 2:79-88. Ref. Mar./Apr. 1966. 13 L49
- 15085 SHANIN, I. On appraisal of results from trials planned by standard methods. (Bu) Rasteniyeudni Nauk. 2(7):141-152. Ref. 1965. 64.8 R18
English summary.
Statistical methods in field experiments.
- 15086 SKVORTSOV, A. K. At the botanical institutions of German Democratic Republic. (Rus) Bot. Zhur. [Moscow] 50(12):1783-1787. Dec. 1965. 451 R923
- 15087 SVENSKA LINNE-SALLSKAPETS. Arsskrift [Yearbook of the Swedish Linne-Society], 1964, v. 47. Uppsala, 1965. 98 p. 502 Sv2
- 15088 SYDOW, C. O. YON. Bibliography of the 1961, 1962, 1963 Linne literature with supplement to earlier lists. (Sw) Svenska Linne-Sallskapet. Arsskr. 47:70-78. 1964. 502 Sv2

- 15099 TAKHTADZHIAN, A. L. Major phytochorias of the Late Cretaceous and the Paleocene on the territory of the U.S.S.R. and adjacent countries. (Rus) Bot. Zhur. [Moscow] 51(9):1217-1230, map. Ref. Sept. 1966. 451 R923 English summary.
- 15090 WEGMULLER, S. Detection of the fossil pollen of *Buxus sempervirens* L. (Ge) Schweiz. Bot. Ges. Ber. 75:297-302. 1965, pub. 1966. 451 Sch9
- 15091 YUNATOV, A. A. Botanical society of the U.S.S.R. [Vsesoyuznoe Botanicheskoe Obshchestvo] in 1965. (Rus) Bot. Zhur. [Moscow] 51(8):1190-1195. Aug. 1966. 451 R923
- 15092 ZABINKOVA, N. N. Some problems of origin and transcription of Russian botanical terms. (Rus) Bot. Zhur. [Moscow] 51(3):389-395. Ref. Mar. 1966. 451 R923
- MORPHOLOGY, ANATOMY, AND CYTOLOGY**
- 15093 ABEL, W. O. Effect of temperature on crossing-over frequency in various chromosome sections of *Sphaerocarpos donnellii*. (Ge) Naturwissenschaften 53(9):234. May 1, 1966. 474 N213
- 15094 AHUJA, M. R., and HAGEN, G. L. Morphogenesis in *Nicotiana debneyi*-*tabacum*, N. longiflora and their tumor-forming hybrid derivatives in vitro. Develop. Biol. 13(3):408-423. Ref. June 1966. 442.8 D49
- 15095 ALEKSANDROVSKII, E. S. Causes of sterility of gubuli in the interspecific crosses of some species of *Juniperus*. (Rus) Bot. Zhur. [Moscow] 51(9):1319-1320. Sept. 1966. 451 R923
- 15096 ALEKSANDROVSKII, E. S. Embryological studies of the Central Asiatic *Juniperus* species. (Rus) Bot. Zhur. [Moscow] 51(3):436-446. Ref. Mar. 1966. 451 R923
- 15097 ALEXANDROV, V. YA. The problem of auto-regulation in cytology. 3. (Rus) Tsitologiya 7(4):447-466. Ref. July/Aug. 1965 442.8 T73 English summary. Effects of climate on plants and animals.
- 15098 ALVAREZ, M. R., and COWDEN, R. R. Quantitative cytophotometric studies of nuclear protein in *Vicia faba* following acute irradiation. Exp. Cell Res. 42(3):578-584. Ref. June 1966. 442.8 Ex7
- 15099 AXELSSON, R. A seed characteristic of value for distinguishing seeds of *Larix decidua* and *L. leptolepis*. (Sw) Svensk Bot. Tidskr. 60(2):310-314, map. 1966. 450 Sv2 English summary.
- 15100 BAILEY, I. W. Comparative anatomy of the leaf-bearing Cactaceae. XVI. The development of water-soluble crystals in dehydrated leaves of *Pereskopsis*. Arnold Arboretum. J. 47(4):273-283. Ref. Oct. 1966. 451 Ar63
- 15101 BAILEY, I. W. The significance of the reduction of vessels in the Cactaceae. Arnold Arboretum. J. 47(4):288-292. Ref. Oct. 1966. 451 Ar63
- 15102 BAIN, J. M., and MERCER, F. V. The relationship of the axis and the cotyledons in germinating seeds and seedlings of *Pisum sativum* L. Australian J. Biol. Sci. 19(1):85-96. Ref. Feb. 1966. 442.8 Au72
- 15103 BAIN, J. M., and MERCER, F. V. Subcellular organization of the cotyledons in germinating seeds and seedlings of *Pisum sativum* L. Australian J. Biol. Sci. 19(1):69-84. Ref. Feb. 1966. 442.8 Au72
- 15104 BAIN, J. M., and MERCER, F. V. Subcellular organization of the developing cotyledons of *Pisum sativum* L. Australian J. Biol. Sci. 19(1):49-67. Ref. Feb. 1966. 442.8 Au72
- 15105 BAMMI, R. K., and JURA, P. Effects of phenethyl alcohol on chromosomes of *Allium cepa*. Exp. Cell Res. 41(1):124-130. Jan. 1966. 442.8 Ex7
- 15106 BELL, P. R. Organelles in the embryos of *Dryopteris filix-mas* (L.) Schott. (Ge) Naturwissenschaften 53(9):232. May 1, 1966. 474 N213
- 15107 BELLAMY, A. R., and BIELESKI, R. L. Some salt-uptake and tissue-aging phenomena studied with cultured tobacco cells. Australian J. Biol. Sci. 19(1):23-36. Ref. Feb. 1966. 442.8 Au72
- 15108 BERGFELD, R. The formation of chloroplasts and nuclei in the gametophyte cells of *Dryopteris filix-mas* (L.) Schott under the influence of bright red and blue light. (Ge) (Condensed) Deut. Bot. Ges. Ber. 78(11):69-73. 1965. 451 D48
- 15109 BERGMANN, L. Enzyme induction in tissue cultures of *Nicotiana tabacum*. (Ge) Deut. Bot. Ges. Ber. 78(11):30-38. Ref. 1965. 451 D48
- 15110 BLUM, A. The influence of plant density on the morphological characters and seed production of common vetch (*Vicia sativa* L.). Exp. Agr. 2(1):61-67. Jan. 1966. 10 Ex72
- 15111 BONNETT, H. T., and NEWCOMB, E. H. Coated vesicles and other cytoplasmic components of growing root hairs of radish. Protoplasma 62(1):59-75. Ref. 1966. 442.8 P94 Cytological study.
- 15112 BOPP, M. Inhibition effect of nucleic acids on the morphogenesis of plants. (Ge) Biol. Rundsch. 4(1):25-36. Ref. 1966. 442.8 B5272
- 15113 BOPP, M. Morphogenesis of mosses as an example of a morphogenetic system. (Ge) Deut. Bot. Ges. Ber. 78(11):44-54. Ref. 1965. 451 D48
- 15114 BORRIS, H., and HUBEL, M. In vitro culture of Caryophyllaceae tissue. (Ge) Biol. Rundsch. 3(5/6):246-248. 1965. 442.8 B5272 *Agrostemma githago* and *Vaccaria pyramida*.
- 15115 BORSODORF, W. On the variability of form and size of leaves in poplar varieties. (Ge) Z. Pflanzenzucht. 55(4):330-338. Ref. July 1966. 450 Z36 English summary.
- 15116 BULL, T. A. Transmission of somatic chromosome numbers in *Saccharum* L. Australian J. Sci. 28(12):466-467. June 1966. 475 Au72
- 15117 BUTTERFASS, T. Various causes of plastid multiplication in different cells. (Ge) Deut. Bot. Ges. Ber. 78(11):105-110. Ref. 1965. 451 D48 Includes sugar beets.
- 15118 CARROLL, C. P. Autopolyploidy and the assortment of chromosomes. Chromosoma 18(1):19-43. Ref. 1966. 442.8 C46 *Anthoxanthum* and *Dactylis*.
- 15119 CAVE, M. S. The chromosomes of *Scolopus* (Liliaceae). Madrono 18(7):211-213. July 1966. 450 M26
- 15120 CHAVDAROV, G. Organogenesis of the ear in corn hybrids with differently long vegetation periods under Dobrudja conditions. (Bu) Rasteniyevedni Nauk. 3(2):13-23. Ref. 1966. 64.8 R18 English summary.
- 15121 CHAVDAROV, G. Organogenesis of tassel in corn hybrids with differently long vegetation periods under Dobrudja conditions. (Bu) Rasteniyevedni Nauk. 3(1):13-25. Ref. 1966. 64.8 R18 English summary.
- 15122 CHODZICKI, E. A complex approach to morphological variation in spruce (*Picea abies* L. Karst.) in relation with some biological properties of trees. (Pol) Sylwan 110(1):41-52. Ref. 1966. 99.8 Sy52 English summary.
- 15123 CHURCH, T. W., and GODMAN, R. M. The formation and development of dormant buds in sugar maple (*Acer saccharum*). Forest Sci. 12(3):301-306. Ref. Sept. 1966. 99.8 F7632
- 15124 CLUTTERBUCK, A. J., and ROPER, J. A. A direct determination of nuclear distribution in heterokaryons of *Aspergillus nidulans*. Genet. Res. 7(2):185-194. Ref. Apr. 1966. 443.8 G283
- 15125 CONSTABEL, F., and KIRSTEN, G. Substrate changes by plant tissue cultures. (Ge) Deut. Bot. Ges. Ber. 78(11):38-43. Ref. 1965. 451 D48

- 15162 KARVE, A. D., and PATIL, D. K. Endodermis-like tissue in the hypocotyl of *Carthamus tinctorius* L. *Naturwissenschaften* 53(8):205. Apr.15,1966. 474 N213
- 15163 KAWANO, S., KANE, J. M., and ILTIS, H. H. Chromosome morphology of the North American species of *Actaea* (Ranunculaceae). I. *Can. J. Bot.* 44(10):1231-1234. Ref. Oct.1966. 470 C16C
- 15164 KIHLMAN, B. A. Actions of chemicals on dividing cells. Englewood Cliffs, New Jersey, 1966. 260 p. (Prentice-Hall Biological Science Series) QH605.K5
Bibliography, p.208-236.
Only harmful effects on root-tip cells of higher plants and insects.
- 15165 KIRK, B. T., and SINCLAIR, J. B. Plasmodesmata between hyphal cells of *Gaelectrichum candidum*. *Science* 153(3744):1646. Sept.30,1966. 470 Sci2
- 15166 KNOX, R. B., and EVANS, L. T. Inflorescence initiation in *Lolium temulentum* L. VIII. Histological changes at the shoot apex during induction. *Australian J. Biol. Sci.* 19(2):233-245. Ref. Apr.1966. 442.8 Au72
- 15167 KONDRAT'eva-MELVILLE, E. A. The ontogenic heterophily of *Acer platanoides* L. seedlings. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 3:38-43. Ref. 1965. 442.9 L542V
English summary.
- 15168 KONECSNI, I. Data to the anatomy of paprika (*Capsicum annuum* L.); comparative anatomical analysis of paprika leaf. I. (Hu) *Kiserletugyi Közlemenyek* 58/C(2):79-94. Ref. 1965, pub.1966. 105.9 H89
English summary.
- 15169 KORBELY, I., and RIXER, A. Histological examination of *Adonis vernalis* L. *Acta Agron. [Budapest]* 15(3/4):444-447. 1966. 19 Ac8
- 15170 KRONENBERG, H. G. Aerial roots of orchids. (Du) *Orchideen* (n.s.)28(5):119-120. Oct. 1966. 80 Or182
- 15171 KRYLOVA, M. I. Cytoplasmic male-sterility in onions. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 8:54-57. Aug.1965. 20 V82
Russian summary.
- 15172 KUBITZKI, K. Study of the flower structure of *Oreobolus* R. Br. (Ge) *Bot. Jahrbucher* 85(1):80-87. Ref. Jan.14,1966. 450 En3B
- 15173 KUDREV, T., and TYANKOVA, L. The effect of growth substances on the morphological peculiarities and the yield of drought-damaged wheat plants. I. Restoration of drought-damaged wheat plants, according to the nature of the substance used. (Bu) *Rastenievudni Nauk.* 2(1):3-10. 1965. 64.8 R18
English summary.
- 15174 LAURA, M. P. The influence of the storage conditions of irradiated pine [*Pinus sylvestris*] seeds on cytogenetic aberrations in the meristem cells. (Rus) *Tsitologiya* 8(4):558-563. Ref. July/Aug.1966. 442.8 T78
English summary.
- 15175 LEBEDEVA, T. I. On the conditions necessary for the manifestation of fasciation. (Rus) *Bot. Zhur. [Moscow]* 51(9):1316-1318. Ref. Sept. 1966. 451 R923
Peas and *Brassica oleracea*.
- 15176 LUKS, YU. A. On the phenomenon of biflorous *Calypso bulbosa* (L.) Rchb. f. (Rus) *Bot. Zhur. [Moscow]* 50(12):1741-1745. Dec.1965. 451 R923
- 15177 LYUTOVA, M. I., and ZAVADSKAYA, I. G. Effect of duration of keeping plants at different temperatures on heat resistance of cells. (Rus) *Tsitologiya* 8(4):484-493. Ref. July/Aug.1966. 442.8 T78
English summary.
- 15178 MACLEOD, R. D., and DAVIDSON, D. Changes in mitotic indices in roots of *Vicia faba* L. II. Long-term effects of colchicine and IAA. *New Phytol.* 65(4):532-546. Ref. Oct.1966. 450 N42
- 15179 MADZHIROVA, L., and STAIKOV, G. Organogenesis of tobacco. (Bu) *Bulg. Tyutyun F.* 20-27. 1965. 69.8 B872
- 15180 MALIK, C. P., and THOMAS, P. T. Chromosomal polymorphism in *Festuca arundinacea*. *Chromosoma* 18(1):1-18. Ref. 1966. 442.8 C46
- 15181 MALIK, C. P., and THOMAS, P. T. Meiosis in the intergeneric hybrid between *Lolium multiflorum* (2n=14) x *Festuca arundinacea* (2n=70) and its amphiploid (2n=84). *Z. Pflanzenzucht.* 55(1):81-94. Ref. 1966. 450 Z36
- 15182 MALINOVSKI, O. V., and MITYUSHOVA, N. M. Synchronization of division of yeast culture by fractionation according to cell dimensions. (Rus) *Tsitologiya* 8(4):563-566. July/Aug. 1966. 442.8 T78
English summary.
- 15183 MARCHANT, R. Fine structure and spore germination in *Fusarium culmorum*. *Ann. Bot.* (n.s.)30(119):441-445. Ref. July 1966. 450 An7
- 15184 MARTIN, P. G., and SHANKS, R. Does *Vicia faba* have multi-stranded chromosomes? *Nature [London]* 211(5049):650-651. Ref. Aug.6, 1966. 472 N21
- 15185 MATSUBARA, S., and NAKAHIRA, R. In vitro formation of adventitious organs by *Pharbitis* embryos. *Nature [London]* 211(5054):1208-1210. Sept.10,1966. 472 N21
- 15186 MEEUSE, A. D. J. Fundamentals of phytomorphology. New York, Ronald, 1966. 231 p. QK643.A5M4
Bibliography, p.209-217.
- 15187 MENGESHA, M. H., and GUARD, A. T. Development of the embryo sac and embryo of *Telf.* *Eragrostis tef*. *Can. J. Bot.* 44(8):1071-1075. Ref. Aug.1966. 470 C16C
- 15188 METCALFE, C. R. Notes on the anatomy of leaf and stem of *Panda oleosa* and *Galearia celestica*. *Kew. Roy. Bot. Gard. Kew Bull.* 20(2):318-319. 1966. 451 K51B
- 15189 MIA, A. J., and SETTERFIELD, G. Organization of cellulose in plant cell walls. *Chem. Can.* 18(10):36-37, 63. Oct.1966. 381 C4236
- 15190 MICKE, A. Changes in the corolla tube length of red clover (*Trifolium pratense* L.) through environmental influences. (Ge) *Z. Acker-Pflanzenbau* 124(2):179-189. Ref. July 1966. 18 J825
English summary.
- 15191 MIROSLAVOV, E. A. Studies on the leaf stomata in rye, *Secale cereale* L., by means of electron microscopy. (Rus) *Bot. Zhur. [Moscow]* 51(3):446-449. Mar.1966. 451 R923
- 15192 MOLKHOVA, E. A study of the female gametophyte in connection with the nature of the sterility in the inter-specific hybrids *Capsicum pendulum* x *Capsicum annuum* L. (Bu) *Rastenievudni Nauk.* 2(5):41-46. 1965. 64.8 R18
English summary.
- 15193 MOLLENHAUER, H. H., MORRE, D. J., and KELLEY, A. G. The widespread occurrence of plant cytosomes resembling animal microbodies. *Protoplasma* 62(1):44-52. Ref. 1966. 442.8 P94
Cytological study.
- 15194 MOUTSCHEN-DAHMAN, M., MOUTSCHEN, J., and EHRENBURG, L. On post irradiation modification of biological effects of neutrons. II. Effect of 5-fluorodeoxyuridine on chromosomal aberrations in neutron irradiated seeds. *Radiat. Bot.* 6(5):425-431. Ref. Oct.1966. 450 R11
Barley and vetch.
- 15195 NAITHANI, S. P., and SIRVASTAVA, H. C. Autotetraploidy in *Psidium guajava* Linn. *Naturwissenschaften* 53(8):205-206. Apr.15, 1966. 474 N213
- 15196 NEMIROVICH-DANCHENKO, E. N. On the problem of origin of nectaries in *Cucurbitaceae* Juss. (Rus) *Bot. Zhur. [Moscow]* 51(3):431-435. Ref. Mar.1966. 451 R923
- 15197 NEMTSOVA, L. S. Aftereffect of fast neutrons on *Crepis capillaris* seeds. (Rus) *Radiobiologiya* 5(1):126-129. Ref. 1965. 442.8 R11
Effect on cellular aberrations.
- 15198 NICOT, J., and ZAKARTCHENKO, V. Morphology and biology of *Cladosporium resinae* (Lindau) de Vries. (Fr) *Rev. Mycol.* 31(1):48-74. July 1966. 450 An74

- 15199 NIKOLAEVA, Z. V. The development of female gametophyte, seed and fruit in *Fraxinus* species. (Rus) Bot. Zhur. [Moscow] 51(2):283-291. Ref. Feb. 1966. 451 R923
- 15200 O'BRIEN, T. P., and THIMANN, K. V. Intracellular fibers in oat coleoptile cells and their possible significance in cytoplasmic streaming. Nat. Acad. Sci. Proc. 56(3):888-894. Ref. Sept. 15, 1966. 500 N21P
- 15201 PARK, D., and ROBINSON, P. M. Internal pressure of hyphal tips of fungi, and its significance in morphogenesis. Ann. Bot. (n.s.) 30(119):425-439. July 1966. 450 An7
Osmotic study of *Aspergillus niger*.
- 15202 PARRY, D. W., and SMITHSON, F. Opaline silica in the inflorescences of some British grasses and cereals. Ann. Bot. (n.s.) 30(119):525-538. Ref. July 1966. 450 An7
- 15203 POVALYAEVA, I. A. Morphological and anatomical peculiarities of some species of the family Chenopodiaceae. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:52-57. 1965. 442.9 L542V
English summary.
- 15204 PRINGSHEIM, E. G. Short notes on Flagellatae and algae. XI. Polymorphism of *Lyngbya kuezingii*. (Ge) Arch. Mikrobiol. 53(4):402-412. Ref. May 9, 1966. 442.8 Ar26
English summary.
- 15205 RAMANNA, M. S., and NATARAJAN, A. T. Chromosome breakage induced by alkyl-alkane-sulfonates under different physical treatment conditions. Chromosoma 18(1):44-59. Ref. 1966. 442.8 C46
Barley.
- 15206 RAMSAY, H. P. Sex chromosomes in *Macromitrium*. Bryologist 69(3):293-311. Ref. Autumn 1966. 450 B84
- 15207 RASMUSSEN, H. P. What holds leaf cells together? Frontiers Plant Sci. [Conn. Sta.] 18(2):4-5. May 1966. 100 P92
- 15208 REES, H., and others. Nuclear variation between diploid angiosperms. Nature [London] 211(5051):828-830. Aug. 20, 1966. 472 N21
F. M. Cameron, M. H. Hazarika, and G. H. Jones, joint authors.
- 15209 REINERT, J. New results and problems with tissue cultures from higher plants. (Ge) Deut. Bot. Ges. Ber. 78(11):1-11. Ref. 1965. 451 D48
- 15210 ROBARDS, A. W. The application of the modified sine rule to tension wood production and eccentric growth in the stem of crack willow (*Salix fragilis* L.). Ann. Bot. (n.s.) 30(119):513-523. Ref. July 1966. 450 An7
- 15211 ROMANOV, I. D. Specific traits of pollen development in Gramineae. (Rus) Akad. Nauk SSSR. Dokl. 169(2):456-459. Ref. 1966. 511 P444A
- 15212 RUESTINK, A. W., and THIMANN, K. V. Proto-plasts: preparation from higher plants. Science 154(3746):280-281. Oct. 14, 1966. 470 Sc12
- 15213 SAKHAROV, V. N., and OTROSHCHENKO, V. A., and VORONKOVA, L. N. Comparison of effectiveness of mitosis suppression by separate irradiation of nuclear and cytoplasmic structures. (Rus) Radiobiologiya 5(1):93-96. 1965. 442.8 R11
Tradescantia paludosa.
- 15214 SALYAEV, R. K. Ultra structure of thick-wall granules of plant cells. (Rus) Akad. Nauk SSSR. Dokl. 170(1):193-194. 1966. 511 P444A
Pinus sylvestris.
- 15215 SANTAMOUR, F. S. Cytological notes. III. *Magnolia pyramidata*, *M. cylindrica*, and *M. guatemalensis*. Morris Arboretum Bull. 17(3):51. Sept. 1966. 451 P383
- 15216 SCHNEPP, E., and CZYGAN, F. C. Ultra-structure and carotenoids of chromoplasts in the spadix appendix of *Typhonium [divaricatum]* and *Arum [maculatum]*. (Ge) Z. Pflanzenphysiol. 54(4):345-355. Ref. Mar. 1966. 450 Z32
English summary.
- 15217 SCHOFIELD, W. B., and THOMPSON, K. A. Pseudoparaphyllia in *Porrochroium bigelovii*. Bryologist 69(3):376-377. Autumn 1966. 450 B84
- 15218 SCHRAUDOLF, H. The effect of DNA, RNA, and protein antimetabolites on antheridia formation in ferns. (Ge) (Condensed) Deut. Bot. Ges. Ber. 78(11):73-75. 1965. 451 D48
- 15219 SCHULZ-SCHIAEFFER, J. A possible origin of B-chromosomes. Z. Pflanzenzucht. 55(1):21-28. Ref. Feb. 1966. 450 Z36
In *Alpecurus pratensis*, *Haploapocurus spinolosus* and corn.
- 15220 SCHWANTES, H. O., and HAGEMANN, F. Investigations of fruit body formation in *Lentinus tigrinus* Bull. (Ge) Deut. Bot. Ges. Ber. 78(11):89-101. Ref. 1965. 451 D48
- 15221 SEDOVA, T. V. Pyrenoid, its structure and functions. (Rus) Bot. Zhur. [Moscow] 51(9):1345-1356. Sept. 1966. 451 R923
Review of the literature.
- 15222 SHAW, A. C., LAZELL, S. K., and FOSTER, C. N. Photomicrographs of the flowering plant. London, Longmans, 1965. 79 p. QK673.S5
- 15223 SHIKATA, M. A note on group ring expression of self-fertilized population. Bull. Math. Biophys. 28(2):217-218. June 1966. 442.8 B872
Plant chromosomes.
- 15224 SIDOROV, B. N., and SOKOLOV, N. N. Spindle blocking as a cause of formation of polymorphic nuclei in polyploid cells. (Rus) Tsitol. i gen. 7(5):645-650. Sept./Oct. 1965. 442.8 T78
English summary.
Allium fistulosum, Crepis, and Pyrethrum.
- 15225 SLATYER, R. O. An underlying cause of measurement discrepancies in determinations of osmotic characteristics in plant cells and tissues. Protoplasma 62(1):34-43. Ref. 1966. 442.8 P94
- 15226 SOKOLOVSKAYA, T. B. On the nature of epiblast. (Rus) Bot. Zhur. [Moscow] 50(12):1686-1693. Ref. Dec. 1965. 451 R923
Grasses.
- 15227 STANGE, L. Cell differentiation and embryonation in the liverwort *Riella [helicophylla]*. (Ge) Deut. Bot. Ges. Ber. 78(9):411-417. 1965. 451 D48
- 15228 SYBANBEKOV, K. ZH. On the problem of functional significance of the glume and the palea in wheat. (Rus) Bot. Zhur. [Moscow] 50(12):1673-1685. Ref. Dec. 1965. 451 R923
English summary.
Anatomic and physiological study.
- 15229 SYBANBEKOV, K. ZH. Specific features of the arrangement of tissue structures in spike glumes of different varieties of wheat. (Rus) Bot. Zhur. [Moscow] 51(9):1321-1329. Ref. Sept. 1966. 451 R923
- 15230 TAMBERG, T. G. The developmental rhythm of *Trollius asiaticus* L. and *T. chinensis* Bunge. (Rus) Bot. Zhur. [Moscow] 50(12):1722-1726. Dec. 1965. 451 R923
Morphology.
- 15231 TANDON, S. L., and BHUTANI, K. Morphological and cytological studies of colchicine-induced tetraploids in *Torenia fournieri* Lind. Genetica 36(4):439-445. Ref. 1965. 442.8 G282
- 15232 TOMLINSON, P. B., and ZIMMERMANN, M. H. Anatomy of the palm *Rhapis excelsa*. III. Juvenile phase. Arnold Arboretum J. 47(4):301-312. Ref. Oct. 1966. 451 Ar6J
- 15233 WANG, C. S., and MILES, P. G. Studies of the cell walls of *Schizophyllum commune*. Amer. J. Bot. 53(8):792-800. Ref. Sept. 1966. 450 Am36
- 15234 WEILING, F. Model investigations of X-ray treated plants and their meaning for histogenesis. (Ge) Deut. Bot. Ges. Ber. 78(11):111-118. Ref. 1965. 451 D48
Barley and peas.
- 15235 WEILING, F. On some somatic mutations in *Mentha* varieties. (Ge) Z. Pflanzenzucht. 55(3):205-224. Ref. Mar. 1966. 450 Z36
English summary.
- 15236 ZILAI, J. Investigation on the callus formation on the vine shoot. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztályanak. Közleményei 25(3/4):291-307. Ref. 1966. 19 B855
German summary.

ECOLOGY

- 15237 ABATUROV, B. D. Role of the burrowing activity of *Talpa europaea* L. in the rotation of substances of the forest biogeocenosis. (Rus) Akad. Nauk SSR, Dokl. 168:935-937. 1966. 511 P444A
- 15238 AFANAS'EV, D. YA. Shore and water vegetation of Dnieper River in steppe and steppe-forest zone and in the valley of its flood plain. (Ukr) Ukr. Bot. Zh. 23(4):44-49. Ref. 1966. 450 J812J
English summary.
- 15239 APHAMMER, G., GUNZEL, G., and KNO-BLOCH, W. Effects of varying rates of phosphoric acid applied every year and every five years on composition, yield and forage quality of marshland meadows. (Ge) Phosphorsäure 26(1/2):12-29. Ref. 1966. 57.8 P563
- 15240 BARSEGYAN, A. M. A contribution to the knowledge of aquatic-helophytic flora and vegetation of the mountainous regions of Armenia. (Rus) Bot. Zhur. [Moscow] 51(9):1330-1337. Ref. Sept. 1966. 451 R923
Ecological study.
- 15241 BEATLEY, J. C. Ecological status of introduced brome grasses (*Bromus* spp.) in desert vegetation of southern Nevada. Ecology 47(4):548-554. Ref. Summer 1966. 41C Ec7
Bromus rubens and *B. tectorum*.
- 15242 BISWELL, H. H., BUCHANAN, H., and GIBBENS, R. P. Ecology of the vegetation of a second-growth Sequoia forest. Ecology 47(4):630-633. Ref. Summer 1966. 41C Ec7
Sequoia gigantea.
- 15243 BROEKHUIZEN, S. Background and prospects for an ecological grain map of Europe. (Du) Stichting Ned. Graan-Cent. Meded. 16:11-20. 1965. 59.9 St52M
- 15244 BROIDO, A. Effects of fire on major ecosystems. In Woodwell, G. M., ed. Ecological effects of nuclear war, p.11-19, map. Ref. 1965. 173 At72Ec
Forests and grasslands.
- 15245 BYKOV, B. A. Problems of the edificators of the vegetational cover. (Rus) Bot. Zhur. [Moscow] 51(9):1231-1244. Ref. Sept. 1966. 451 R923
English summary.
Classification of phytocenotypes.
- 15246 CHASTUKHIN, V. YA. The mycoflora of marshes and its role in the dynamics of plant associations in the course of drainage. I. Macromycetes. (Rus) Bot. Zhur. [Moscow] 51(2):161-175. Ref. Feb. 1966. 451 R923
English summary.
- 15247 COY-CHOKE, H., and POORE, M. E. D. The value of the Mount Kinabalu National Park, Malaysia, to plant ecology. Malayan Natur. J. 19(4):195-202. Dec. 1965. 409.6 M29
- 15248 ELAGIN, I. N. Ecological-phenological characteristics of *Betula exilis* Sukacz. associations in the mountains of Kamchatka. (Rus) Bot. Zhur. [Moscow] 51(2):253-256. Ref. Feb. 1966. 451 R923
- 15249 ELBERSE, W. T. Invloed van gebruik en bemesting op botanische samenstelling en productie van verwaarloosd grasland [Influence of use and fertilizing on the botanical composition and yields of neglected pasture]. Wageningen, Inst. Biol. Scheikundig Onderz. Landbouwgewassen, Verslagen 40, 12 p. 1966. 60.9 W123V
- 15250 FEDERER, C. A., and TANNER, C. B. Spectral distribution of light in the forest. Ecology 47(4):555-560. Ref. Summer 1966. 41C Ec7
- 15251 FINERAN, B. A. The vegetation and flora of Bird Island, Foveaux Strait, New Zeal. J. Bot. 4(2):133-146, map. Ref. June 1966. 450 N48
- 15252 FREY, T. E. A. Some aspects of the phytocological value of a species in a plant community. (Rus) Bot. Zhur. [Moscow] 51(8):1073-1084. Ref. Aug. 1966. 451 R923
English summary.
- 15253 GIBBS, J. G. Studies of the importance of plant species in vegetation. 1. Above timberline on north-west slopes adjoining Bruce Road, Mt. Ruapehu, Tongariro National Park. Tuatara 14(1):19-29. Apr. 1966. 442.8 T79
- 15254 HAZEN, W. E. Analysis of spatial pattern in epiphytes. Ecology 47(4):634-635. Summer 1966. 41C Ec7
- 15255 HULETT, G. K., COUPLAND, R. T., and DIX, R. L. The vegetation of dune sand areas within the grassland region of Saskatchewan. Can. J. Bot. 44(10):1307-1331, map. Ref. Oct. 1966. 470 C16C
- 15256 IGNAT'YEVA, L. A. Stand productivity in the forest coenoses of the River Ob area. (Rus) Bot. Zhur. [Moscow] 51(2):196-209. Ref. Feb. 1966. 451 R923
English summary.
- 15257 IPATOV, V. S., KIRIKOVA, L. A., and LINDEMAN, T. N. On the estimation of the participation of species in the structure of the vegetational cover. (Rus) Bot. Zhur. [Moscow] 51(8):1121-1126. Aug. 1966. 451 R923
- 15258 JACENKO-CHMIELEWSKI, A. Forest biogeocenosis as a physiologic system. (Pol) Sylwan 110(1):5-14. 1966. 99.8 Sy52
English summary.
- 15259 JOHNSTON, H. W. The biological and economic importance of algae, Part. 1. Tuatara 13(2):90-104. Ref. July 1965. 442.8 T79
Their role in plant and animal ecology.
- 15260 KARAPETYAN, R. A. The principles of dispersal of vegetation over the zone of the bottom of Sevan Lake denuded in the course of its drainage. (Rus) Bot. Zhur. [Moscow] 51(9):1338-1341. Sept. 1966. 451 R923
- 15261 KASHIN, V. I., and KOZOBRODOV, A. S. Northern timber-line of larch in forests of Archangel Region. (Rus) Bot. Zhur. [Moscow] 51(3):402-403, map. Ref. Mar. 1966. 451 R923
- 15262 KATS, N. YA. North American bogs. (Rus) Bot. Zhur. [Moscow] 51(8):1164-1177, map. Ref. Aug. 1966. 451 R923
Ecological study.
- 15263 KOBLET, R. Problems of sward development in forage crops. (Ge) Z. Acker- Pflanzenbau 124(2):165-178. Ref. July 1966. 18 J825
English summary.
Ecological.
- 15264 KUNKEL, G. On the structure and plant communities of Liberia's mangrove and its marginal formations. (Ge) Schweiz. Bot. Ges. Ber. 75:20-40, map. Ref. 1965, pub. 1966. 451 Sch9
- 15265 L'LOV, P. L. Principles of distribution and classification of Dagestan forests. (Rus) Bot. Zhur. [Moscow] 51(3):396-402. Mar. 1966. 451 R923
Ecology.
- 15266 LOPATIN, V. D., and ZAIKOVA, V. A. Analysis of variation of meadow composition and the forecast of effectiveness of fertilizers based on V. N. Sukachev's principle of ecologo-phytocenotic series. (Rus) Bot. Zhur. [Moscow] 51(3):309-321. Ref. Mar. 1966. 451 R923
English summary.
- 15267 LOUW, A. J. Fertilizing natural veld on Red loam soils of the Springbok flats. 1. Effect of sulphate of ammonia and superphosphate fertilizing on botanical composition of the veld. (Af) S. Afr. J. Agr. Sci. 9(1):173-182. Mar. 1966. 24 Su3
English summary.
- 15268 MACAULEY, B. J., and THROWER, L. B. Succession of fungi in leaf litter of *Eucalyptus* greggiana. Brit. Mycol. Soc. Trans. 49(3):509-520. Ref. Sept. 1966. 451 B76
- 15269 MAHN, E. G. Ecological and sociological groups of xerothermic grassland communities in central Germany. (Ge) Bot. Jahrbucher 85(1):1-44. Ref. Jan. 14, 1966. 450 En3B
English summary.
- 15270 MAINI, J. S. Phytocological study of sylvotundra at Small Tree Lake, N.W.T. Arctic 19(3):220-243, map. Ref. Sept. 1966. 470 Ar22
- 15271 MAKAREVICH, V. N. Dutch methods of surveying the abundance of species (after De Vries) in comparison with other methods of estimating the proportion of different species in meadow stands. (Rus) Bot. Zhur. [Moscow] 51(2):293-304. Ref. Feb. 1966. 451 R923

- 15272 MAYATSKYI, I. N. Studying seasonal changes of interaction of oak and bushes by means of radioactive phosphorus. (Uk) Visnyk Sil's'ko-hospodar. Nauk. 5:76-79. May 1965. 20 V82 Russian summary.
- 15273 MAYER, H. Analysis of a virgin, subalpine larch-spruce forest (Piceetum subalpinum) in Lungau. (Ge) Zentralbl. Gesamte Forstwesen 83(3):129-151. Ref. Sept.1966. 99.8 C33 English summary.
- 15274 MIROSHNICHENKO, YU. M. The principles of distribution of the super- and subterranean vegetative mass in the phytocoenoses of Eurasian steppe zone. (Rus) Bot. Zhur. [Moscow] 51(8):1140-1148. Ref. Aug.1966. 451 R923
- 15275 MITCHELL, J. E., WEST, N. E., and MILLER, R. W. Soil physical properties in relation to plant community patterns in the Shadscale zone of northwestern Utah. Ecology 47(4):627-630. Ref. Summer 1966. 41c Ec7
Of Eurotia lanata and Atriplex confertifolia.
- 15276 MITTNA, M. B. Influence of Carex pilosa Scop. on distribution and abundance of ephemerals in oak forest. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 3:153-156. 1965. 442.9 L542V English summary.
- 15277 MONK, C. D. An ecological study of hardwood swamps in north-central Florida. Ecology 47(4):649-654. Ref. Summer 1966. 41c Ec7
- 15278 MORANDINI, G., and DONA, F. On the definition and identification of mountain areas. (It) Padua. Accad. Patavina Sci. Lett. Arti. Atti Mem. 76(2):319-332. 1963/64, pub. 1965. 507 P132
Includes plant and human ecology.
- 15279 NEUWIRTH, G., and others. Combined ecological and physiological researches in west Bulgarian forest stands. (Ge) Arch. Forstwesen 15(4):379-428. Ref. 1966. 99.8 Ar22
D. Garelov, W. Klemm, M. Klemm, S. Nau-mov, and D. Velkov, joint authors.
English summary.
- 15280 NITSENKO, A. A. On the criteria for discerning plant associations. (Rus) Bot. Zhur. [Moscow] 51(8):1085-1098. Ref. Aug.1966. 451 R923
English summary.
- 15281 PAUZNER, L. E., and NURMUKHAMEDOVA, T. Comparative data on the ecology of some ephemeral grasses and cultivated wheat. (Rus) Bot. Zhur. [Moscow] 50(12):1715-1720. Ref. Dec.1965. 451 R923
- 15282 PEARSON, L. C. Primary productivity in a northern desert area. Oikos 15(2):211-228, map. Ref. 1966. 410 O14
In Idaho.
- 15283 PEDERSEN, A. Anthyllis vulneraria ssp. vulneraria var. langei and Lotus uliginosus ssp. vestitus, two ecological varieties from the Jutland downs. (Da) Flora Fauna 71(4):149-157, map. Dec.1965. 410 F662
Germany summary.
Includes plant communities.
- 15284 PLATT, R. B. Ionizing radiation and homeostasis of ecosystems. In Woodwell, G. M., ed. Ecological effects of nuclear war, p.39-60. Ref. 1965. 173 At72Ec
Plants.
- 15285 POPOVA, V. Observations on some interactions in lucerne biocenosis. (Bu) Rastenievudni Nauk. 2(11):65-74. Ref. 1965. 64.8 R18 English summary.
- 15286 ROSTOVA, N. S. Structure of kok-saghyz populations. III. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 3:138-152. Ref. 1965. 442.9 L542V
- 15287 SCHUBERT, R. On the development of the science of vegetation on agricultural lands. (Ge) Forsch. Fortschr. 40(7):195-202. Ref. July 1966. 474 F772
Plant communities and indicators.
- 15288 SUKHOVERKO, R. V., GANETSKAYA, Z. G., and PONYATOVSKAYA, V. M. On the methods of estimation the general yielding capacity of the superterranean mass in the grassland communities of Kazakhstan. (Rus) Bot. Zhur. [Moscow] 51(9):1293-1296. Sept.1966. 451 R923
- 15289 TILEY, G. E. D. The ecology of natural grasslands in Uganda and its bearing on planted pastures. Sols Afr. 10(2/3):273-277. Ref. May/Dec.1965. 56.8 S04
Text also in French, p.279-283.
- 15290 TISDALE, E. W., FOSBERG, M. A., and POULTON, C. E. Vegetation and soil development on a recently glaciated area near Mount Robson, British Columbia. Ecology 47(4):517-523, map. Ref. Summer 1966. 41c Ec7
- 15291 VOGL, R. J., and MCHARGUE, L. T. Vegetation of California fan palm oases on the San Andreas Fault. Ecology 47(4):532-540, map. Ref. Summer 1966. 41c Ec7
Washingtonia filifera.
- 15292 VOLKOVA, V. G. Use of photo-camera for obtaining quantitative data on the structure of the vegetational cover of steppes. (Rus) Bot. Zhur. [Moscow] 50(12):1711-1714. Dec.1965. 451 R923
Ecological studies.
- 15293 WHEEL-CHU CHEN, A., and GRIFFIN, D. M. Soil physical factors and the ecology of fungi. V. Further studies in relatively dry soils. Brit. Mycol. Soc. Trans. 49(3):419-426. Ref. Sept.1966. 451 B76
From Australia.
- 15294 WOODWELL, G. M., and SPARROW, A. H. Effects of ionizing radiation on ecological systems. In Woodwell, G. M., ed. Ecological effects of nuclear war, p.20-38, map. Ref. 1965. 173 At72Ec
Plants, forests, and insects.
- 15295 WOODWELL, G. M., ed. Ecological effects of nuclear war. Upton, New York, 1965. 72 p., map. (Brookhaven National Laboratory BNL 917 (C-43) 173 At72Ec
Proceedings of a symposium on Some Ecological Systems. Sponsored by the Ecological Society of America at the 13th meeting of the American Institute of Biological Sciences, Amherst, Massachusetts, August 1963.
Includes plants and insects.
- 15296 WUJEK, D. E. Seasonal variation in number and volume of plankton diatoms. Amer. Microscop. Soc. Trans. 85(4):541-547. Ref. Oct. 1966. 440.9 Am33
Coldwater Lake, Michigan.
- 15297 YAKIMOVA, YA. Phytocenological and morphological peculiarities of the perennial wild growing sainfoin species. (Bu) Rastenievudni Nauk. 3(3):61-105. Ref. 1966. 64.8 R18
English summary.

GENETICS

- ADIRION, D. Recessive mutants at unlinked loci which complement in diploids but not in heterokaryons of Aspergillus nidulans. Genetics 53(5):935-941. Ref. May 1966. 442.8 G28
- ARLETT, C. F. The radiation sensitivity of a cytoplasmic mutant of Aspergillus nidulans. Int. J. Radiat. Biol. 10(6):539-549. 1966. 444.8 In8
- ARMAN, I. P., and KUZNETSOVA, O. B. The rate of natural mutation process in yeast. (Rus) Akad. Nauk SSSR. Dokl. 168:929-931. Ref. 1966. 511 P444A
- BALL, C., and ROPER, J. A. Studies on the inhibition and mutation of Aspergillus nidulans by acridines. Genet. Res. 7(2):207-221. Ref. Apr. 1966. 443.8 G263
- BASSAM, H. Biochemical variations in connection with mutations accompanied by the loss of anthocyanin-coloration in flowers of certain plants. (Rus) Akad. Nauk SSSR. Dokl. 168(6):1405-1408. 1966. 511 P444A
- BAUER, F. Examination of the "little heterosis" effect on rye. (Hu) Kiserletugyi Közlemenyek 58/A(1):3-17. Ref. 1965, pub. 1966. 105.9 H89
English summary.
Simultaneous flowering of progenies of the same variety, but raised under different nutritional conditions.

- 15304 BHATTIA, C. R., and SMITH, H. H. Variation associated with an *Aegilops umbellulata* chromosome segment incorporated in wheat. *Nature* [London] 211(5056):1425-1426. Sept. 24, 1966. 472 N21
- 15305 BLIXT, S. Studies of induced mutations in peas. XIII. Segregation of an albino mutant. *Agri Hort. Genet.* 24(1/2):48-55. 1966. 64.8 Ag8
- 15306 BLIXT, S. Studies of induced mutations in pea peas. XIV. Segregation of Xantha-mutants. *Agri Hort. Genet.* 24(1/2):56-61. 1966. 64.8 Ag8
- 15307 BLIXT, S. Studies of induced mutations in peas. XV. Effect of environment of the X1-generation on ethyl-methanesulfonate-treated and gamma-irradiated Weibor-pea. *Agri Hort. Genet.* 24(1/2):62-74. 1966. 64.8 Ag8
- 15308 BORRILL, M., and CARROLL, C. P. Fertility and aneuploid in autopolyploid *Antoxanthum* [ovatum]. *Genetica* 36(4):420-438. Ref. 1965. 442.8 G282
- 15309 BROWN, C. M., WEIBEL, R. O., and SEIF, R. D. Heterosis and combining ability in common winter wheat. *Crop Sci.* 6(4):382-383. July/Aug. 1966. 64.8 C883
- 15310 BUTTERFAB, T. New aspects in polyploidy research and breeding. (Ge) Max-Planck-Ges. *Forderung Wiss. Mitt.* 1:47-58. 1966. 509 G712M
- 15311 COWAN, J. W., and LEWIS, D. Somatic recombination in the dikaryon of *Coprinus lagopus*. *Genet. Res.* 7(2):235-244. Ref. Apr. 1966. 443.8 G283
Includes reassortment of chromosomes.
- 15312 DEKEN, R. H. DE. The Cradtree effect and its relation to the petite mutation. *J. Gen. Microbiol.* 44(2):157-165. Ref. Aug. 1966. 448.3 J823
In yeasts.
- 15313 DOWRICK, G. J. Breeding systems in tetraploid *Rubus* species. *Genet. Res.* 7(2):245-253. Ref. Apr. 1966. 443.8 G283
- 15314 EHAMBERDIEV, A. Peculiarities of meiosis of first generation wheat X rye amphiploids with winter wheat. (Uk) *Visnyk Sil'skohospodar. Nauk.* 7:55-57. July 1965. 20 V82
Russian summary.
- 15315 FADEEVA, T. S., and NARBUT, S. I. The importance of heterosis effect for maintaining the varietal characteristics in plants. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 3:128-137. Ref. 1965. 442.9 L542V
English summary.
Radishes and strawberries.
- 15316 GAUGER, W. Sexuality in an azygosporic strain of *Mucor hiemalis*. I. Breakdown of the azygosporic component. *Amer. J. Bot.* 53(8):751-755. Ref. Sept. 1966. 450 Am36
- 15317 GAUL, H., and HESEMAN, C. U. Importance of macro-mutations for plant breeding. I. Examples of alteration of awn length in spring barley mutants in changed genetic background. (Ge) *Z. Pflanzenzucht.* 55(3):225-237. Ref. May 1966. 450 Z36
English summary.
- 15318 GAUL, H. Importance of micro-mutations in breeding. I. Variability in yield, size, and growth period induced by X-rays in Haisa II barley. (Ge) *Z. Pflanzenzucht.* 55(1):1-20. Ref. Feb. 1966. 450 Z36
English summary.
- 15319 GENEVOIS, L. Biochemical selection of cultivated plants. (Fr) *Mitt. Geb. Lebensmittelforsch.* Hyg. 56(6):535-536. 1965. 389.9 Sw6
- 15320 GEORGIEVA-TODOROVA, I. Cytogenetic study of interspecies hybrids *H. annuus* × *H. ruderalis*. *Bulgarska Akad. Nauk. Dokl.* 19(3):213-216. 1966. 512 So2
- 15321 GILL, J. L., and CLEMMER, B. A. Effects of selection and linkage on degree of inbreeding. *Australian J. Biol. Sci.* 19(2):307-317. Apr. 1966. 442.8 Au72
Applicable to plants and animals.
- 15322 HANOVER, J. W., and HOFF, H. E. Pollination of western white pine (*Pinus monticola*) with water suspensions of pollen—a technique for chemical [ethyl methane sulfonate] mutagen treatments. *Forest Sci.* 12(3):372-373. Sept. 1966. 99.8 F7632
- 15323 HESS, D. Experiments with DNA-antimetabolites indicating a differential gene activity in induction of anthocyanin synthesis. (Ge) *Z. Pflanzenphysiol.* 54(4):356-370. Ref. Mar. 1966. 450 Z32
English summary.
Petunia hybrida.
- 15324 HIORTH, G. Possibilities in forest genetics. (Sp) *Inst. Forest. Latinoamer. Invest. Capacitacion. Bol.* 18:1-28. Ref. Aug. 1965. 99.9 In7B
English summary.
Tropics.
- 15325 ISSAÏLY, A. S., and REISSIG, J. L. In vivo and in vitro complementation between aspartic transcarbamylase mutants of *Neurospora*. *Arch. Biochem. Biophys.* 116(1/3):44-51. Sept. 26, 1966. 381 Ar2
- 15326 JAIN, H. K., and RAUT, R. N. Differential response of some tomato genes to base-specific mutagens. *Nature* [London] 211(5049):652. Aug. 6, 1966. 472 N21
- 15327 JORGENSEN, J. H., and JENSEN, C. J. Mutations for the monogerm seed character in beet induced by pollen irradiation. *Denmark. Vet.-Landbohøjsk. Arsskr.* 1966:226-233. Ref. 104 D41A
- 15328 KIRILLOVA, G. A. Obtaining diploid homozygous tomatoes using haploid somatic mutants. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 1:97-104. Ref. 1965. 442.9 L542V
English summary.
- 15329 KOLTIN, Y., and RAPER, J. R. *Schizophyllum commune*: new mutations in the B incompatibility factor. *Science* 154(3748):510-511. Oct. 28, 1966. 470 Sci2
- 15330 KOZŁOWSKA, C. Perspectives of the research in hereditary resistance in trees against infectious diseases. (Pol) *Sylwan* 109(4):41-44. 1965. 99.8 Sy52
English summary.
- 15331 LAMB, B. C. Polarized segregation in *Ascomycetes* and the differential bursting of asci. *Genet. Res.* 7(3):325-334. Ref. June 1966. 443.8 G283
- 15332 LARSEN, C. S. Genetics of teak (*Tectona grandis* L.). *Denmark. Vet.-Landbohøjsk. Arsskr.* 1966:234-245. 104 D41A
- 15333 LATTER, B. D. H. The response to artificial selection due to autosomal genes of large effect. III. The effects of linkage on the rate of advance and approach to fixation in finite populations. *Australian J. Biol. Sci.* 19(1):131-146. Feb. 1966. 442.8 Au72
Plants.
- 15334 LEBDEVE, D. V., and KHADZHINOV, M. I. Hundred years of Mendelism (1865-1965). (Rus) *Bot. Zhur. [Moscow]* 50(12):1661-1664. Dec. 1965. 451 R923
- 15335 LONNQUIST, J. H., COTA A., O., and GARDNER, C. O. Effect of mass selection and thermal neutron irradiation on genetic variances in a variety of corn (*Zea mays* L.). *Crop Sci.* 6(4):330-332. July/Aug. 1966. 64.8 C883
- 15336 MANGELSDORF, P. C. Genetic potentials for increasing yields of food crops and animals. *Nat. Acad. Sci. Proc.* 56(2):370-375. Aug. 15, 1966. 500 N21P
- 15337 MCNELLY-INGLE, C. A., LAMB, B. C., and FROST, L. C. The effect of temperature on recombination frequency in *Neurospora crassa*. *Genet. Res.* 7(2):169-183. Ref. Apr. 1966. 443.8 G283
- 15338 MELCHERS, G. Some genetic aspects of so-called tissue cultures. (Ge) *Deut. Bot. Ges. Ber.* 78(11):21-29. 1965. 451 D48
Nicotiana tabacum.
- 15339 MOLHOVA, E. Hybridization between *Capsicum annum* L. (2n=48) and *Capsicum pubescens* R. et P. (2n=24). *Bulgarska Akad. Nauk. Dokl.* 19(3):225-227. 1966. 512 So2
- 15340 MORGAN, D. H. Suppression of "purple" in *Coprinus lagopus*—an anomalous genetic situation. *Genet. Res.* 7(2):195-206. Apr. 1966. 443.8 G283
Includes mutation and allelism.

- 15341 NAZIROV, N. N., and DZHANKULOV, F. Obtaining cotton mutants under the effect of radio-active phosphorus. (Rus) Radiobiologiya 5(1): 108-111. 1965. 442.8 R11
- 15342 NECAS, J. Unequality of reciprocal crosses of barley. Z. Pflanzenzucht, 55(3):260-275. Ref. May 1966. 450 Z36
Genetics.
- 15343 NORDENSKIÖLD, H. Cytogenetic studies in the genus *Luzula* in New Zealand. New Zeal. J. Bot. 4(2):185-195. June 1966. 450 N48
- 15344 NUESCH, B. The application of the chloroplast-method for the identification of tetraploid red clover. (Ge) Schweiz. Landwirt. Forsch. 5(5):303-318. 1966. 17 Sch99
English summary.
- 15345 PARADI, L. Nanism caused by a spontaneous mutation as a dominant character in maize. (Hu) Növénytermelés 16(3):227-234. Ref. Aug. 1966. 64.8 N76
English summary.
- 15346 QUAKE, F. Meristem culture as a means of obtaining virus-free plants. (Du) Landbouwkundig Tijdschr. 76(9):301-305. Ref. Sept. 1966. 105.2 Or3
- 15347 RAPER, J. R. Genetics of sexuality in higher fungi. New York, Ronald Press, 1966. 283 p. QK601.R3
Bibliography, p.261-273.
- 15348 RHEENEN, H. A. VAN. The inheritance of some characters in the mung bean, *Phaseolus aureus* Roxb. Genetica 36(4):412-419. 1965. 442.8 G282
- 15349 RHOADES, M. M., and DEMPSEY, E. The effect of abnormal chromosome 10 on preferential segregation and crossing over in maize. Genetics 53(5):989-1020. Ref. May 1966. 442.8 G28
- 15350 ROMMEL, M. A self-fertile polyploid plant in an autotetraploid variety of sugar beet. Nature [London] 211(5049):648-649. Aug. 6, 1966. 472 N21
- 15351 RUNGE, R. R. The effect of intrachromosomal recombination on coincidental crossing over in maize. Genetics 53(5):961-969. Ref. May 1966. 442.8 G28
- 15352 RUTISHAUSER, A. Genetics of the pseudogamy of *Ranunculus auricomus* s.l. W. Koch. (Ge) Schweiz. Bot. Ges. Ber. 75:157-182. Ref. 1965, pub. 1966. 451 Sch9
English summary.
Polyploidy.
- 15353 SCHMID, E. Principles of the genetic study of plant communities. (Ge) Schweiz. Bot. Ges. Ber. 75:110-156. Ref. 1965, pub. 1966. 451 Sch9
English summary.
- 15354 SENGBUSCH, R. V. Gezielte Forschung—Zucht und Rohstoffversorgung [Directed research—breeding and supply of raw materials]. Max-Planck-Ges. Förderung Wiss. Mitt. 3: 171-184. Aug. 1966. 509 G712M
Chiefly plant breeding.
- 15355 SMITH, G. S. Transgressive segregation in spring wheats. Crop Sci. 6(4):310-312. July/Aug. 1966. 64.8 C883
- 15356 SOSULSKI, F. W., and KAUL, A. K. A note on the inheritance of sedimentation value in two wheat crosses. Cereal Chem. 43(5):623-625. Sept. 1966. 59.8 C33
- 15357 STADLER, D. R. Glutamic dehydrogenase in revertants of am mutants in *Neurospora*. Genet. Res. 7(1):18-31. Ref. Feb. 1966. 443.8 G283
- 15358 STOILOV, M., and others. Genetical and physiological causes of the variation of radiosensitivity in barley and maize. Radiat. Bot. 6(5): 457-467. Ref. Oct. 1966. 450 R11
G. Jansson, G. Eriksson, and L. Ehrenberg, joint authors.
Gamma rays.
- 15359 SVAB, J. The genetic stability of aneuploid sugar beet varieties. (Ge) Z. Pflanzenzucht, 55(3):246-259. Ref. May 1966. 450 Z36
English summary.
- 15360 SZWADIAK, J. Results of three-year field experiments on heterosis occurrence in tomato F_1 hybrids. (Pol) Roczn. Nauk Roln. 91-A-2: 507-523. Ref. 1966. 20.5 R59
English summary.
- 15361 UMAERUS, M. Somatic aberrations in *Solanum tuberosum* induced by ethyl methane sulfonate and X-irradiation. Z. Pflanzenzucht. 55(3): 238-245. May 1966. 450 Z36
In breeding.
- 15362 WARR, J. R. Genetic control of flagellar structure in *Chlamydomonas reinhardtii*. Genet. Res. 7(3):335-351. Ref. June 1966. 443.8 G283
A. Mcvittie, J. Randall, and J. M. Hopkins, joint authors.

PHYSIOLOGY AND BIOCHEMISTRY

- 15363 ABBOTT, B. J., and others. Screening data from the Cancer Chemotherapy National Service Center Screening Laboratories. XXXVI. Plant extracts. Cancer Res. 26(9):1311-1277. Ref. Sept. 1966. 448.8 C16
J. L. Hartwell, H. H. Iltis, S. M. Kupchan, J. Leiter, R. E. Perdue, and S. A. Schepartz, joint authors.
- 15364 ABDEL-GHAFFAR, A. S., and JENSEN, H. L. The rhizobia of *Lupinus densiflorus* Benth., with some remarks on the classification of root nodule bacteria. Arch. Mikrobiol. 54(4): 393-405. Ref. 1966. 442.8 Ar26
- 15365 ACHENBACH, H. Voachalotin and affinisin, secondary alkaloids of *Tabernaemontana fuchsifolia*. (Ge) Tetrahedron Lett. 7:4405-4407. Sept. 1966. 385 T29
- 15366 ADDICOTT, F. T., and others. Chemistry and physiology of abscisic II, an abscission-accelerating hormone. Advances Chem. Ser. 53:97-105. Ref. 1966. 381 Ad93
K. Okuma, O. E. Smith, and W. E. Thiessen, joint authors.
- 15367 ALFIMOV, N. N., YAGOVOI, P. N., and TIKHOMIROV, V. P. Characteristics of natural radioactivity of leaves of trees and shrubs growing in some botanical gardens in European part of USSR. (Rus) Radiobiologiya 5(4):601-604. Ref. 1966. 442.8 R11
- 15368 ALFIMOV, N. N., and PROSHKINA-LAVRENKO, A. L. A contribution to the biology and biochemistry of two mass marine diatoms, *Cocconeis jonesianus* (Grev.) Ostf. and *Rhizosolenia calcar-avis* M. Schultze from Azov and Caspian seas. (Rus) Bot. Zhur. [Moscow] 51(9):1276-1283. Ref. Sept. 1966. 451 R923
English summary.
- 15369 AMEN, R. D. The extent and role of seed dormancy in alpine plants. Quart. Rev. Biol. 41(3):271-281. Ref. Sept. 1966. 442.8 Q2
- 15370 ANDERSON, D. M. W., and KARAMALLA, K. A. Studies on uronic acid materials. XVI. Internodule variation and the acidic components in *Acacia nilotica* gum. Carbohydr. Res. 2(5):403-410. Ref. Sept. 1966. 335 C172
- 15371 ANIRENKO, G. V., and STRUKOVA, S. M. Isolation of active protease from *Aspergillus oryzae* cultural liquor. (Rus) Biokhimiya 31(3):477-483. Ref. May/June 1966. 385 B523
English summary.
- 15372 ANNO, K., and others. Isolation and purification of fucoidin from brown seaweed *Pelvetia wrightii*. Agr. Biol. Chem. 30(5):495-499. Ref. May 1966. 385 Ag8B
H. Terahata, Y. Hayashi, and N. Seno, joint authors.
- 15373 APLYAK, I. V., and KAHAN, H. I. Effect of antimicrobial substances from myrtle on the heat resistance of spores of *Bacillus mesentericus ruber*. (Uk) Mikrobiol. Zhur. 26(5):27-31. Ref. 1964. 448.3 K54
English summary.
- 15374 ARCHER, T. E. Preparation and identification of 2-chloroethyl 1-naphthyl acetate. Bull. Environ. Contamination Toxicol. 14(4):172-174. July/Aug. 1966. RA1270.P35A1

- 15375 BACCHETTI, S. Relationship between recovery from sublethal damage by dose fractionation and the restoration of viability after delayed plating in diploid *Saccharomyces cerevisiae*. *Radiat. Res.* 29(2):295-315. Ref. Oct. 1966. 334.8 R11
M. Cassandro, R. Elli, R. Falchetti, and F. Mauro, joint authors.
- 15376 BALATINECZ, J. J., and FARRAR, J. L. Pattern of renewed cambial activity in relation to exogenous auxin in detached woody shoots. *Can. J. Bot.* 44(8):1108-1110. Aug. 1966. 470 C16C
Indoleacetic acid.
- 15377 BATE-SMITH, E. C., and SWAIN, T. The asperulosides and the aucubins. In Swain, T., ed. *Comparative phytochemistry*, p.159-174. Ref. 1966. QK861.S8
- 15378 BAUER, L. Isolation and biotest of a kinetin-like substance from callus cells of moss sporophytes. (Ge) *Z. Pflanzenphysiol.* 54(4):241-253. Ref. Mar. 1966. 450 Z32
English summary.
Physcomitrium pyriforme X Funaria hygrometrica.
- 15379 BEKKER, Z. E., and others. Peculiarities of development of fungi, producers of various antibiotic and antiblastic substances. (Rus) *Mikrobiologiya* 34(4):653-660. Ref. July/Aug. 1965. 448.3 M582
S. V. Dmitrieva, T. G. Borisova, Z. A. Turkova, E. S. Lisina, and L. B. Chaplina, joint authors.
English summary.
- 15380 BELL, E. A. Amino acids and related compounds. In Swain, T., ed. *Comparative phytochemistry*, p.195-209. Ref. 1966. QK861.S8
- 15381 BELL, M. K., and BURNETT, J. H. Cellulase activity of *Polyporus betulinus*. *Ann. Appl. Biol.* 58(1):123-130. Aug. 1966. 442.8 An72
- 15382 BENNETT, C. R., and CAMBIE, R. C. Chemistry of the Podocarpaceae. XI. Tetrahydro-22(8):2845-2860. Ref. Aug. 1966. 382 T29
- 15383 BENNETT, R. D., KO, S. T., and HEFTMANN, E. Effect of photoperiodic floral induction on the metabolism of a gibberellin precursor, (-)-kaurene, in *Pharbitis nil*. *Plant Physiol.* 41(8):1360-1363. Ref. Oct. 1966. 450 P692
- 15384 BERIDZE, A. G. Study of the physiology of symbiosis. (Geo) *Akad. Nauk Gruz. SSR. Soobshch.* 43(3):713-715. Sept. 1966. 511 Ak146
Russian summary.
Plants and microorganisms.
- 15385 BLACKBURN, F., and HAYES, W. A. Studies on the nutrition of *Arthrotrichy oligospora* Fres. and *A. robusta* Dudd. I. The saprophytic phase. *Ann. Appl. Biol.* 58(1):43-50. Ref. Aug. 1966. 442.8 An72
- 15386 BLAKE, J. Flower apices cultured in vitro. *Nature [London]* 211(5052):990-991. Ref. Aug. 27, 1966. 472 N21
Studied in *Viscaria candida* and *V. cardinalis*.
- 15387 BLANCHET, R., and BOSCH, M. The role of base exchange in the speed of potassium utilization by plants, initially non exchangeable of soils. Base exchange. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(5):513-516. Aug. 1, 1966. 505 P21
- 15388 BOHLMANN, F., and ZDERO, C. Polyacetylene compounds. CVII-CVIII. (Ge) *Chem. Ber.* 99(8):2413-2418. 1966. 384 B45
CVII. The components of *Lonas annua*; CVIII. On the components of *Artemisia pedemontana* Balb.
- 15389 BOHLMANN, F., ZDERO, C., and BONNET, P. H. Polyacetylene compounds. CXI. On a new polyene ester from *Sanvitalia procumbens* Lam. (Ge) *Chem. Ber.* 99(10):3194-3196. 1966. 384 B45
- 15390 BOHLMANN, F., and GRENZ, M. Polyacetylene compounds. CXII. On the components of *Echinacea* species. (Ge) *Chem. Ber.* 99(10):3197-3200. 1966. 384 B45
- 15391 BOHLMANN, F., KOHN, S., and WALDAU, E. Polyacetylene compounds. CXIII. The polyenes of the subtribe *Carduinae*. (Ge) *Chem. Ber.* 99(10):3201-3203. 1966. 384 B45
- 15392 BONDARCHUK, A. O. Isolation and purification of ribonuclease from the mycelium of *Penicillium chrysogenum*. (Uk) *Mikrobiol. Zhur.* 27(6):3-8. Ref. 1965. 448.3 K54
English summary.
- 15393 BORRIS, H., CONRAD, K., and WALTER, G. Effect of digitonin on growth of coleoptile and hypocotyl. (Ge) *Biol. Rundsch.* 3(5/6):248-249. 1965. 442.8 B5272
Avena and *Agrostemma*.
- 15394 BOWEN, G. D., and ROVIRA, A. D. Microbial factor in short-term phosphate uptake studies with plant roots. *Nature [London]* 211(5049):665-666. Aug. 6, 1966. 472 N21
- 15395 BOZHENKO, V. P. The influence of microelements on ATP content in plants in the presence of water deficit and under the influence of high temperatures. *Symp. Water Stress Plants. Proc.* 1963:238-244. Ref. 1965. QK873.S9
Includes tests with sunflowers.
Includes discussion.
- 15396 BRAYTON, R. D., and WOODWELL, G. M. Effects of ionizing radiation and fire on *Gaylussacia baccata* and *Vaccinium vacillans*. *Amer. J. Bot.* 53(8):816-820. Ref. Sept. 1966. 405 Am36
- 15397 BRENNER, M. L., and MAYNARD, D. N. A study of [radioactive] rubidium accumulation in *Euglena gracilis*. *Plant Physiol.* 41(8):1285-1288. Ref. Oct. 1966. 450 P692
- 15398 BRUCHMANN, E. E. The effect of hydrogen peroxide on the accumulation of citric acid by *Aspergillus niger*. (Ge) *Naturwissenschaften* 53(9):226-227. May 1, 1966. 474 N213
- 15399 BUBICZ, M. Changes in the carotenoids content in fruits of *Berberis vulgaris* L. and *Berberis thunbergii atropurpurea* in the vegetation period. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):285-291. Ref. 1966. 512 W262
- 15400 BU'LOCK, J. D. The biogenesis of natural acetylenes. In Swain, T., ed. *Comparative phytochemistry*, p.79-95. Ref. 1966. QK861.S8
- 15401 BUSSLER, W. Catalase activity of boron deficient cambium. (Ge) *Z. Pflanzenernähr. Dungung. Bodenkl.* 112(3):236-238. 1966. 384 Z343A
English summary, p. XI.
- 15402 BUSTON, H. W., MOSS, M. O., and TYRRELL, D. The influence of carbon dioxide on growth and sporulation of *Chaetomium globosum*. *Brit. Mycol. Soc. Trans.* 49(3):387-396. Ref. Sept. 1966. 451 B76
- 15403 BYSTROVA, M. I., UMRIKHINA, A. V., and KRASNOVSKII, A. A. Photo-reduction of protochlorophyll and protopeophytin. (Rus) *Biochimiya* 31(1):83-92. Ref. Jan./Feb. 1966. 385 B523
English summary.
- 15404 CATSKY, J. Water saturation deficit and photosynthetic rate as related to leaf age in the wilting plant. *Symp. Water Stress Plants. Proc.* 1963:203-209. Ref. 1965. QK873.S9
Includes discussion.
- 15405 CHATTERJI, B. C. Some observations on the growth and sporulation of *Chaetomium globosum* in media containing ammonium tartrate. *Brit. Mycol. Soc. Trans.* 49(3):397-401. Sept. 1966. 451 B76
- 15406 CHIBA, S., and SHIMOMURA, T. Comparative biochemical studies on alpha glucosidases. III. Transglucosidation action of an alpha glucosidase of *Schizosaccharomyces pombe*. *Agr. Biol. Chem.* 30(6):536-540. June 1966. 385 Ag8B
- 15407 CHIBISOV, A. K., KARYAKIN, A. V., and ZUBRILINA, M. E. Study of intermediary conditions in chlorophyll photosensitized reaction of methylene red reduction. (Rus) *Akad. Nauk SSSR. Dokl.* 170(1):198-201. Ref. 1966. 511 P444A
- 15408 CLARK, B. E. Predicting crop stands. *Farm Res. [N. Y. Sta.]* 32(1):2-3, 16. 100 N48A
Seed germination.
- 15409 CLARKE, D. D. Production of pectic enzymes by *Phytophthora infestans*. *Nature [London]* 211(5049):649. Ref. Aug. 6, 1966. 472 N21

- 15410 CLARK-WALKER, G. D., and LINNANE, A. W. In vivo differentiation of yeast cytoplasmic and mitochondrial protein synthesis with antibiotics. *Biochem. Biophys. Res. Commun.* 25(1): 8-13. Ref. Oct.5,1966. 442.8 B5236
- 15411 CIAYTON, R. K. Relations between photochemistry and fluorescence in cells and extracts of photosynthetic bacteria. *Photochem. Photobiol.* 5(10):807-821. Ref. Oct.1966. 382 P56
- 15412 CLICK, R. E., and HACKETT, D. P. Evidence that the two ribosomal RNA species of plant tissue are synthesized on different genetic loci. *J. Mol. Biol.* 17(1):279-284. Ref. May 1966. 442.8 J8224
- 15413 CLINE, M. G., and SALISBURY, F. B. Effects of ultra-violet alone and simulated solar ultra-violet radiation on the leaves of higher plants. *Nature [London]* 211(5048):484-486. July 30, 1966. 472 N21
- 15414 COHEN, D. Optimizing reproduction in a randomly varying environment. *J. Theor. Biol.* 12(1):119-129. Sept.1966. 442.8 J8223
Plant physiology.
- 15415 COOK, C. W. Carbohydrate reserves in plants. *Utah. Agr. Exp. Sta. Utah Resources Ser.* 31, 47 p. June 1966. 279.9 Utl
Bureau of Land Management, cooperating. Bibliography, p.19-47.
- 15416 CORCORAN, M. R. Reduction of alpha-amylase by an inhibitor from carob. *Plant Physiol.* 41(8):1265-1267. Ref. Oct.1966. 450 P692
- 15417 COST, K., BOLTON, J. R., and FRENKEL, A. W. The accelerating action of 5-methylphenazinium methyl sulfate on light induced absorbancy and ESR changes in Rhodospirillum chromatophores. *Photochem. Photobiol.* 5(10): 823-826. Ref. Oct.1966. 382 P56
- 15418 COTTER, D. A., and RAPER, K. B. Spore germination in Dictyostellum discoideum. *Nat. Acad. Sci. Proc.* 56(3):880-887. Ref. Sept.15, 1966. 500 N21P
- 15419 COURTNEY, J. L., and STERN, W. Triterpenes of the friedelane series. VI. Australian *J. Chem.* 19(9):1709-1715. Sept.1966. 475 Au73
Isolated from Siphonodon australe.
- 15420 COUSSIO, J. D. Isolation of rhoifolin in various species of Chorisia (Bombacaceae). (Sp) *Assoc. Quim. Argent. An.* 53(3/4):257-259. Ref. Sept./Dec.1965. 385 So1A
English summary.
- 15421 CRUMP, E., and BRANTON, D. Behavior of primary and secondary zoospores of Saprolegnia sp. *Can. J. Bot.* 44(10):1393-1400. Ref. Oct.1966. 470 C16C
- 15422 CULBERSON, C. F. Confluent acid, its microchemical identification, and its occurrence in Herpotherium sanguineum. *Bryologist* 69(3):312-317. Ref. Autumn 1966. 450 B84
Includes its taxonomic significance.
- 15423 CURI, E. Effect of simazine on plant respiration. (It) *Padua. Accad. Patavina Sci. Lett. Arti. Atti Mem.* 76(2):77-83. 1963/64,pub. 1965. 507 P132
Tests with Amaranthus retroflexus.
- 15424 DAVIES, D. R. Acriflavine inhibition of dark repair and late generation death. *Biochem. Biophys. Res. Commun.* 23(5):652-659. Ref. June 13,1966. 442.8 B5236
Chlamydomonas reinhardtii.
- 15425 DAVIES, D. R. Patterns and rates of recovery in synchronous populations of algal cells exposed to gamma radiation. *Radiat. Res.* 29(2): 222-235. Ref. Oct.1966. 334.8 R11
- 15426 DAVIS, J. S. Akinetes, reproduction, and colony form in the green alga Sorastrum. III. *State Acad. Sci. Trans.* 59(3):275-280. Ref. 1966. 500 IL6
Sorastrum spinulosum.
- 15427 DEBSKI, K. Continental hydrology. Volume II. Physics of water, atmospheric precipitation and evaporation. Warsaw, 1966. 606 p.,map. Ref. 584-594. G8661.D43
Published for the U. S. Department of the Interior and the National Science Foundation, Washington, D. C., by the Scientific Publications Foreign Cooperation Center of the Central Institute for Scientific, Technical and Economic Information.
Translation of Hydrologia Kontynentalna. Czeski II. Fizyka Wody, Opady Atmosferyczne i Parowanie.
Includes plant transpiration and water consumptive use.
CFSTI: \$9.05.
- 15428 DEKEN, R. H. DE. The Crabtree effect: a regulatory system in yeast. *J. Gen. Microbiol.* 44(2):149-156. Aug.1966. 446.3 J823
Physiological and biochemical study.
- 15429 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Precipitation evaporation and water balance. (Da) *Tidsskr. Plan-teavl* 70(2):275-278. 1966. 11 T439
Includes plant water relations.
- 15430 DEQUEUDRE, G., COURTOT, Y., and BAILLAUD, L. Revulsive and twining movements bound to factors enhancing elongation in a nearly-twinning species (Vincetoxicum officinale). (Fr) *Z. Pflanzenphysiol.* 54(4):254-259. Ref. Mar.1966. 450 Z32
English summary.
Light and gibberellic acid.
- 15431 DERBENTSEVA, N. A., MATVIYENKO, S. O., and OMELECHUK, T. YA. Antimicrobial activity of preparations from some sage species. (Uk) *Mikrobiol. Zhur.* 27(3):76-80. 1965. 448.3 K54
English summary.
- 15432 DICK, C. M., and HUTCHINSON, S. A. Biological activity of volatile fungal metabolites. *Nature [London]* 211(5051):868. Aug.20,1966. 472 N21
- 15433 DIJKMAN, M. J., and others. Cytotoxic substances from tropical plants. *Cancer Res.* 26(9):1121-1130. Ref. Sept.1966. 448.8 C16
M. L. Boss, W. Lichter, M. M. Sigel, J. E. O'Connor, and R. Search, joint authors.
- 15434 DILOV, KH. A micromethod of separating the main metabolites by means of ion-exchange resins. (Bu) *Rastenievudni Nauk.* 2(8):47-56. 1965. 64.8 R18
English summary.
From plants.
- 15435 DOLBY, L. J., and MILLIGAN, R. J. A model study of the synthesis of the A ring of gibberellic acid. *Amer. Chem. Soc. J.* 88(19):4536-4537. Oct.5,1966. 381 Am33J
- 15436 DOTY, M. S., and AGUILAR-SANTOS, G. Caulerpin, a toxic constituent of Caulerpa. *Nature [London]* 211(5052):990. Aug.27,1966. 472 N21
- 15437 DOUGLAS, A. G., and EGLINTON, G. The distribution of alkanes. In Swain, T., ed. Comparative phytochemistry, p.57-77. Ref. 1966. QK861.58
- 15438 DREYER, D. L. Constituents of Thamnosma montana Torr. and Frem. *Tetrahedron* 22(8): 2923-2927. Ref. Aug.1966. 332 T29
Toxic plant-growth inhibitor. 5-(3'-methyl-2',3'-dihydroxybutanyl)-8-methoxyporalen.
- 15439 DRUM, R. W., and HOPKINS, J. T. Diatom locomotion: an explanation. *Protoplasma* 62(1): 1-33. Ref. 1966. 442.8 P94
- 15440 EADE, R. A., SALASOO, I., and SIMES, J. J. H. Extractives of Australian timbers. VII. Bayin. *Australian J. Chem.* 19(9):1717-1727. Sept. 1966. 475 Au73
8-C-beta-D-glucopyranosyl-7,4'-dihydroxyflavone in Castanospermum australe.
- 15441 EHRENBERG, M. Effects of visible light on Saccharomyces cerevisiae. I. Effects of various factors and type of light on growth and metabolism. (Ge) *Arch. Mikrobiol.* 54(4):358-373. Ref. 1966. 442.8 Ar26
English summary.

- 15442 ENSLIN, P. R., and others. 1 alpha, 2 alpha-epoxyscillirosidine, the main toxic principle of *Homeria glauca* (Wood and Evans) N. E. Br. Tetrahedron 22(9):3213-3220. Sept. 1966. 382 T29
T. W. Naude, D. J. J. Potgieter, and A. J. Van Wyk, joint authors.
- 15443 EPSTEIN, W. W., AOYAGI, E., and JENNINGS, P. W. Metabolites of fungi: the fatty materials of *Fomes ignarius*. Compar. Biochem. Physiol. 18(1):225-229. May 1966. 444.8 C73
- 15444 FALK, M., and others. Studies on chitin (beta-1-4)-linked 2-acetamido-2-deoxy-D-glucan) fibers of the diatom *Thalassiosira fluviatilis* Hustedt. II. Proton magnetic resonance, infrared, and X-ray studies. Can. J. Chem. 44(19):2269-2281. Ref. Oct. 1, 1966. 470 C16B
D. G. Smith, J. McLachlan, and A. G. McInnes, joint authors.
- 15445 FEDERER, C. A., and TANNER, C. B. Sensors for measuring light available for photosynthesis. Ecology 47(4):654-657. Ref. Summer 1966. 410 Ec7
- 15446 FEHR, T., and ACKLIN, W. The isolation of two new types of indole derivatives from the mycelium of *Claviceps paspali* Stevens et Hall. (Ge) Helv. Chim. Acta 49(6):1907-1019. Ref. 1966. 385 H26
English summary.
- 15447 FENSOM, D. S. Action potentials and associated water flows in living *Nitella*. Can. J. Bot. 44(10):1432-1437. Ref. Oct. 1966. 470 C16C
FILIPPOV, L. A. The refractometric method of diagnosing water deficit in plants. Symp. Water Stress Plants. Proc. 1963:136-144. Ref. 1965. QK873.S9
Includes tests with cotton and apples.
- 15449 FIRCHUK, R. P. Antimicrobial properties of phytoncides from edible plants of the Carpathian area. (Uk) Mikrobiol. Zhur. 27(4):66-70. Ref. 1965. 448.3 K54
English summary.
- 15450 FLORKIN, M., and STOTZ, E. H. Comprehensive biochemistry. Volume 14. Biological oxidations. Amsterdam, Elsevier, 1966. 514 p. Ref. 386.2 F66Co
Ch. VII, Photosynthetic phosphorylation, by A. W. Frenkel and K. Cost.
- 15451 FORDE, B. J., and THOMAS, R. G. Flowering in *Lotus pedunculatus* Cav. I. Effect of photoperiod. New Zeal. J. Bot. 4(2):147-152. June 1966. 450 N48
- 15452 FORNEROD, C. Seed germination. (Fr) Agr. Romande (ser.A)5(6):68-71. (Cont.) June 1966. 17 Ag8
- 15453 FORNEROD, C. Seed germination. (Fr) Agr. Romande (ser.A)5(7/8):77-80. (Cont.) July/Aug. 1966. 17 Ag8
- 15454 FRANSSSEN, C. A. M. Electricity and plant growth. (Du) Landbouwkundig Tijdschr. 78(9):299-300. Sept. 1966. 105.2 Or3
Magnetic and electric fields.
- 15455 FREDGA, A., and others. Studies on synthetic growth substances. XXIV-XXV. Arkiv Kem. 25(3):223-230, 249-255. Ref. 1966. 385 Ar4
M. Andersson, I. Kiriks, and C. Lundstrom, joint authors.
- 15456 FREDGA, A., and BACKSTROM, R. Studies on synthetic growth substances. XXVI. Resolution and absolute configuration of 4-methylphenoxypropionic acid. Arkiv Kem. 25(5):455-458. Ref. 1966. 385 Ar4
- 15457 FRIIS-NIELSEN, B. Active leaf area index, a meteorological-plantphysiological parameter for photosynthetic production. I. Under conditions of optimal water supplies. Denmark. Vet.-Landbohojsk. Arsskr., 1966:49-60. Ref. 104 D41A
- 15459 FURUTANI, S., and others. Enzymatic study on assimilation of urea and ammonia in tissues of higher plants. Enzymologia 28(5):278-303. Ref. May 1965. 390.06 En9
H. Omura, Y. Osajima, and K. Yamafuji, joint authors.
Tests with *Perilla frutescens*.
- GENEST, K. Changes in ergoline alkaloids in seeds during ontogeny of *Ipomoea violacea*. J. Pharm. Sci. 55(11):1284-1288. Ref. Nov. 1966. 396.8 J825
- GHISALBERTI, E. L., and JEFFERIES, P. R. The chemistry of the Euphorbiaceae. XVI. Australian J. Chem. 19(9):1759-1763. Sept. 1966. 475 Au73
- GINDRAT, D. Studies of the physiology of nutrition of *Gaeumannomyces graminis* (Sacc.) v. Arx et Olivier and establishment of a minimal synthetic culture medium. (Fr) Schweiz. Bot. Ges. Ber. 75:183-218. Ref. 1965, pub. 1966. 451 Sch9
English summary.
- 15462 GLEIMAN, E. M., and others. New methods of study in ion composition of nutrient solutions. (Rus) Agrokimiya 9:125-131. Sept. 1965. 385 Ag89
E. I. Ermakov, V. Ya. Klyuchkin, and I. Z. Starobina, joint authors.
- 15463 GLOMBITZA, K. W. Determination and function of indolylpyrrolic acid in the tryptophan metabolism of yeasts. (Ge) Deut. Bot. Ges. Ber. 78(11):83-87. 1965. 451 D48
- 15464 GOAS, M. Contribution to the nitrogen metabolism of halophytes: amino acids and free amides of *Aster tripolium* L. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(3):260-263. July 18, 1966. 505 P21
- 15465 GODNEV, T. N., ROTFARB, R. M., and GVAR-DYAN, V. N. Participation of protoporphyrins and hematin in the biosynthesis of phycocyanins. (Rus) Akad. Nauk SSSR. Dokl. 169(5):1191-1194. 1966. 511 P444A
Anacystis nidulans.
- 15466 GOODWIN, T. W. The carotenoids. In Swain, T., ed. Comparative phytochemistry, p.121-137. Ref. 1966. QK861.S8
- 15467 GORDON, L. K., and others. Effect of the space flight conditions in Vostok-3 on seeds of higher plants. 6 p. (TT 63-24260) Transl. 15493
N. L. Delone, V. V. Antipov, and V. G. Vysotskii, joint authors.
Effect on germination and chromosomal aberrations.
Translation from Kosmicheskie Issledovaniya 1(1):326-331. 1963.
Issued by CFSTI.
- 15468 GRIFFIN, D. H. Effect of electrolytes on difference in *Achlya* sp. Plant Physiol. 41(8):1254-1256. Ref. Oct. 1966. 450 P692
- 15469 GUREVICH, A. A., and TRUBACHEV, I. N. The physiological role of hydrogen peroxide in an aerobic organism. (Rus) Akad. Nauk SSSR. Dokl. 169(2):476-478. 1966. 511 P444A
Chlorella.
- 15470 GUSEV, N. A. Changes in the water status in plants under different external and internal conditions. Symp. Water Stress Plants. Proc. 1963:117-127. Ref. 1965. QK873.S9
- 15471 GUTKNECHT, J. Sodium, potassium, and chloride transport and membrane potentials in *Valonia ventricosa*. Biol. Bull. 130(3):331-344. Ref. June 1966. 442.8 B52
- 15472 HARBORNE, J. B. The evolution of flavonoid pigments in plants. In Swain, T., ed. Comparative phytochemistry, p.271-295. Ref. 1966. QK861.S8
- 15473 HARDWICK, K., LUMB, H., and WOOLHOUSE, H. W. A chamber suitable for measurements of gas exchange by leaves under controlled conditions. New Phytol. 65(4):526-531. Oct. 1966. 450 N42
- 15474 HASANEN, E., and MIETTINEN, J. K. Gamma emitting radionuclides in subarctic vegetation during 1962-64. Nature [London] 212(5060):379-382, map. Ref. Oct. 22, 1966. 472 N21
- 15475 HAYES, W. A., and BLACKBURN, F. Studies on the nutrition of *Arthrobotrys oligospora* Fres. and A. robusta Dudd. II. The predaceous phase. Ann. Appl. Biol. 58(1):51-60. Ref. Aug. 1966. 442.8 An72
Nematophagous phase.
- 15476 HEGNAUER, R. Comparative phytochemistry of alkaloids. In Swain, T., ed. Comparative phytochemistry, p.211-230. Ref. 1966. QK861.S8

- 15477 HEINEN, W., and VRIES, H. DE. A combined micro- and semi-micro colorimetric determination of long-chain fatty acids from plant cutin. *Arch. Mikrobiol.* 54(4):339-349. Ref. 1966. 442.8 Ar26
- 15478 HEINEN, W., and VRIES, H. DE. Stages during the breakdown of plant cutin by soil microorganisms. *Arch. Mikrobiol.* 54(4):331-338. Ref. 1966. 442.8 Ar26
From *Gasteria verrucosa*.
- 15479 HILL, R. K., and BARCZA, S. Stereochemistry of the jaborandi [*Pilocarpus* sp.] alkaloids. *Tetrahedron* 22(8):2889-2893. Aug. 1966. 382 T29
- 15480 HOFFMAN, G. R. Observations on the mineral nutrition of *Funaria hygrometrica* Hedw. *Bryologist* 69(2):182-192. Ref. Summer 1966. 450 B84
- 15481 HOFFMANN, W. E. The regulation of uptake of individual minerals by the higher plant. (Ge) *Z. Pflanzenernähr. Dungung. Boden.* 113(2):106-112. Ref. 1966. 384 Z343A
English summary, p.V.
- 15482 HUSSON, H. P., and others. Hemi-synthesis of oxygenated derivatives on position 16 in the conane-5 alpha series; alkaloids of *Paravalanis microphylla* Pitard (Apocynaceae). 12. (Fr) *Soc. Chim. France, Bull.* 8:2516-2519. Ref. Aug. 1966. 383 P21B
R. Beugelmans, P. Potier, and J. Le Men, joint authors.
- 15483 ILIEVA, S. Investigations on flowering, pollination and fertilization in *Salvia sclarea* L. (Bu) *Rastenievudni Nauk.* 2(10):31-46. 1965. 64.8 R18
English summary.
- 15484 INGLE, J., JOY, K. W., and HAGEMAN, R. H. The regulation of activity of the enzymes involved in the assimilation of nitrate by higher plants. *Biochem. J.* 100(3):577-588. Ref. Sept. 1966. 382 B52
- 15485 INHOFFEN, H. H., and MAHLHOP, R. Further study of chlorophyll and hemin. IX. (Ge) *Tetrahedron Lett.* 36:4283-4286. Sept. 1966. 385 T29
- 15486 JARVIS, P. G., and JARVIS, M. S. The water relations of tree seedlings. V. Growth and root respiration in relation to osmotic potential of the root medium. *Symp. Water Stress Plants. Proc.* 1963:167-183. Ref. 1965. QK873.39
Includes discussion.
- 15487 JEFFREY, S. W. Paper chromatographic separation of pigments in marine phytoplankton. *Australian J. Mar. Freshwater Res.* 16(3):307-313. Ref. Dec. 1965. 442.8 Au73
- 15488 JOFFE, A. Z., JACKEVICIUS, A., and IESMAN-TAITE, N. Antibiotic effect of certain *Penicillium* fungi on *Staphylococcus* in vitro and in vivo. 9 p. (TT 65-50109) Transl. 15494
Translation from *Acta Inst. Exp. Med. Acad. Sciences Lithuanian SSR* 3/4:185-192. 1958. CFSTL: \$1.00.
- 15489 JOHNS, S. R., and LAMBERTON, J. A. Alkaloids of *Geliera salicifolia* Schott. (family Rutaceae): the identification of platydesmine and platydesmine acetate. *Australian J. Chem.* 19(10):1991-1994. Oct. 1966. 475 Au73
- 15490 JOHNS, S. R., LAMBERTON, J. A., and OC-COLOWITZ, J. L. 1,2,3,4,6,7-hexahydro-12H-indolo [2,3-a] quinolizine, an alkaloid from *Dracontomelum mangiferum* Bl. (family Anacardiaceae). *Australian J. Chem.* 19(10):1951-1954. Oct. 1966. 475 Au73
- 15491 JOHNSON, G. V., EVANS, H. J., and CHING, T. Enzymes of the glyoxylate cycle in rhizobia and nodules of legumes. *Plant Physiol.* 41(8):1330-1336. Ref. Oct. 1966. 450 P692
- 15492 JUNGnickel, F. Phosphate induced uptake and excretion of potassium by phosphate deficient cells of *Candida utilis*. (Ge) *Naturwissenschaften* 53(9):231-232. May 1, 1966. 474 N213
- 15493 KACHARAVA, N. F. Effects of the ultraviolet radiation on photosynthesis of shade-enduring and photophilous plants. (Geo) *Akad. Nauk Cruz. SSR. Soobshch.* 43(3):723-727. Sept. 1966. 511 Ak146
Russian summary.
In connection with altitude.
- 15494 KALDEWEY, H. Growth substance transport, temperature, and plant age. (Ge) *Deut. Bot. Ges. Ber.* 76(11):128-143. Ref. 1965. 451 D48
Tests with *Frutillaria meleagris*.
- 15495 KARKLINS, R., PROBOKS, A., and GAILE, V. Investigation of certain factors exerting an effect on microbiological synthesis of itaconic acid. (Rus) *Latv. PSR Zinat. Akad. Vestis* 6:112-118. 1966. 511 R422
English summary.
By *Aspergillus terreus*.
- 15496 KARPINSKI, J. J. In a search after a vegetative form of reproduction in *Boletus edulis*. *Bull. ex Fr. (Pol) Sylwan* 109(4):9-22. 1965. 99.8 Sy52
English summary.
- 15497 KARYAKIN, A. V., and CHMUTINA, L. A. Investigation of interaction between chlorophyll (a and b) and glycine at various pH values. (Rus) *Biochimika* 31(1):3-7. Ref. Jan./Feb. 1966. 385 B523
English summary.
- 15498 KASINOV, V. B. Rate of reproduction and survival of *Lenina minor* after gamma irradiation. (Rus) *Radioobiologiya* 6(4):605-612. 1966. 442.8 R11
- 15499 KHARCHENKO, S. M., MYKHAILOVNINA, A. O., and AKORONKO, S. L. On the biosynthesis of dendrodochine. (Uk) *Mikrobiol. Zhur.* 26(6):37-40. 1964. 448.3 K54
English summary.
By *Dendrodochium toxicum*.
- 15500 KIEN, L. K. VAN, and TELL, R. New histochemical study at the level of cell chloroplasts: tests on characterizing and localizing of plastoquinones. (Fr) *Ann. Histochim.* 11(1):51-62. Jan./Mar. 1966. 383 An73
English summary.
- 15501 KIKNADZE, G. S. Effect of a thermal injury upon the intensity of chlorophyll fluorescence in *Tradescantia fluminensis* leaves. (Rus) *Tsitologiya* 7(2):197-204. Ref. Mar./Apr. 1965. 442.8 T78
English summary.
- 15502 KING, N. J. The extracellular enzymes of *Coniophora cerebella*. *Biochem. J.* 100(3):784-792. Ref. Sept. 1966. 382 B52
- 15503 KINSTLE, T. H., WILDMAN, W. C., and BROWN, C. L. Mass spectra of *Amaryllidaceae* alkaloids. The structure of narcissidine. *Tetrahedron Lett.* 39:4659-4666. Oct. 1966. 385 T29
- 15504 KINZEL, H., and WALLAND, A. Shikimic acid in mosses and ferns. (Ge) *Z. Pflanzenphysiol.* 54(4):371-374. Ref. Mar. 1966. 450 Z32
English summary.
- 15505 KIRBY, G. W. Biosynthesis. *Chem. Soc. Annu. Rep. Progr. Chem.* 62:414-425. 1965. 382 L84A
Review of the literature.
Includes plant biochemistry.
- 15506 KITO, M., and others. Fate of the radioactive carbon of theanine labeled with ethylamine-1-¹⁴C in tea seedlings. *Agr. Biol. Chem.* 30(6):623-624. June 1966. 385 Ag8B
H. Kokura, J. Izaki, and K. Sasaoka, joint authors.
- 15507 KJAER, A. The distribution of sulphur compounds. In Swain, T., ed. *Comparative phytochemistry*, p.187-194. Ref. 1966. QK861.S8
- 15508 KLECZKOWSKI, K. Lysine carbamylating activity in higher plants. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):281-283. Ref. 1966. 512 W262
In *Lathyrus tingitanus* and pea.
- 15509 KNAGGS, F. W. Role of light energy in the initiation and development of tetrasporangia on cultured specimens of a red algal species. *Nature [London]* 212(5060):431. Oct. 22, 1966. 472 N21
Rhodochorton purpureum.
- 15510 KNYZHNYYK, ZH. P. On the dynamics of development of blue-green algae and bacteria in ponds of the environs of Kiev. (Uk) *Mikrobiol. Zhur.* 26(5):31-36. 1964. 448.3 K54
English summary.
Cyanophyta.

- 15511 KOH, H., KUMAZAWA, Z., and NAKAJIMA, M. Studies of the active principles of *Leucothoe grayana* Max. K. Agr. Biol. Chem. 30(6):594-596, June 1966. 365 Ag8B
- 15512 KOLATTUKUDY, P. E. Biosynthesis of wax in *Brassica oleracea*. Biochemistry 5(7):2265-2275. Ref. July 1966. 381 B523
- 15513 KORDYUM, V. A., and others. Growth of *Chlorella vulgaris* after removing the products of its vital activity. (Uk) Mikrobiol. Zhur. 27(5):23-26. 1965. 448.3 K54
- 15514 L. I. Lenova, S. M. Weisband, M. Ya. Ratushna, L. N. Preobrazhenskaya, and M. N. Smyrnova, joint authors. English summary. By centrifugation.
- 15514 KOWALCZEWSKI, A., and WASILEWSKI, L. Differentiation of biomass of *Phragmites communis* Trin. and its production in Mikolajskie Lake. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(4):219-223, map. 1966. 512 W262
- 15515 KOTALI, T. G. Effect of plants on the electrical conductivity of surface air layer. (Rus) Agrokhiimiya 9:113-124. Ref. Sept. 1965. 365 Ag89
- 15516 Effect of photosynthesis.
- 15516 KRAUZE, I. *Rhodotorula gracilis* 320 biomass, protein and beta-carotene formation dynamics in molasse medium under intensive aeration. (La) Latv. PSR Zinat. Akad. Vestis 8:84-88. Ref. 1966. 511 R442
- 15517 KUBOTA, T., and HINOH, H. Isolation of saikogenin E, a new triterpene from *Bupleurum falcatum* L. Tetrahedron Lett. 39:4725-4728. Oct. 1966. 385 T29
- 15518 KUTYURIN, V. M., SOLOVIEV, V. P., and GRIGOROVICH, V. I. Reversible oxidation of chlorophyll and of its derivatives, studied by the method of polarography. (Rus) Akad. Nauk SSSR. Dokl. 163(2):479-482. 1966. 511 P444A
- 15519 LAMBERTON, J. A. 1,2-dimethylquinoxaline-4-one and xanthoxodine, minor alkaloids from the leaves of *Acronychia baueri* Schott. Australian J. Chem. 19(10):1995-1996. Oct. 1966. 475 Au73
- 15520 LARCHER, W. The influence of water stress on the relationship between CO_2 uptake and transpiration. Symp. Water Stress Plants. Proc. 1963:184-194. Ref. 1965. QK873.59
- 15521 LEBEDEV, G. V., and ASKOCHENSKAYA, N. A. State of water in a plant cell, mobility of water and factors which determine it. Symp. Water Stress Plants. Proc. 1963:81-88. Ref. 1965. QK873.59
- 15522 LEBLANC, F., and RAO, D. N. Reaction of some epiphytic lichens and mosses to sulfur dioxide in the Sudbury, Ontario area. (Fr) Bryologist 69(3):338-346. Ref. Autumn 1966. 450 B84
- 15523 Testing the effects of air pollution.
- 15523 LEMESLE, R., and DUPUY, P. The distribution of tannin and mucilaginous compounds in the stem of various species of the genus *Clethra* (Clethraceae). (Fr) Acad. Sci. Comp. Rend. Ser. D, 263(3):250-253. July 18, 1966. 505 P21
- 15524 LERCH, G. On the problem of cuvette-climate (preliminary communication). Symp. Water Stress Plants. Proc. 1963:291-293. 1965. QK873.59
- 15525 Investigations on gas exchange of plants. Includes discussion.
- 15525 LETHCO, E. J., and BROUWER, E. A. The metabolism of naphthaleneacetic acid- ^{14}C in rats. J. Agr. Food Chem. 14(5):532-535. Ref. Sept./Oct. 1966. 381 J8223
- 15526 Plant growth substance.
- 15526 LETTE, E., and UEDA, S. Biosynthesis of the *Vicia* alkaloids. Tetrahedron Lett. 40:4915-4918. Ref. Oct. 1966. 385 T29
- 15527 LEVINE, R. P., and GORMAN, D. S. Photosynthetic electron transport chain of *Chlamydomonas reinhardtii*, III. Light-induced absorbance changes in chloroplast fragments of the wild type and mutant strains. Plant Physiol. 41(8):1293-1300. Ref. Oct. 1966. 450 P692
- 15528 LINSER, H. The hormone system of plants. (Ge) Angew. Chem. 78(18/19):895-904. Ref. Sept. 21, 1966. 384 Z33
- 15529 LITVIN, F., SHUVALOV, V. A., and KRASNOVSKII, A. A. Participation of pigment systems of higher plants in processes of long afterglow. Action spectra of luminescence of etiolated and greening leaves, enhancement and inhibition of luminescence. (Rus) Akad. Nauk SSSR. Dokl. 168:1195-1198. Ref. 1966. 511 P444A
- 15530 LITVIN, F. F., and GULYAEV, B. A. The "red shift" and complication of the structure of absorption spectrum in photosynthesizing organisms, as a result of the existence of a system of aggregated forms of enzymes. (Rus) Akad. Nauk SSSR. Dokl. 169(5):1187-1190. Ref. 1966. 511 P444A
- 15531 *Chlorella* and *Elodea*.
- 15531 LUND, J. W. G. Role of the water turbulence in the seasonal developmental cycle of some freshwater species of *Melosira* (Algae). (Rus) Bot. Zhur. [Moscow] 51(2):176-187. Ref. Feb. 1966. 451 R923
- 15532 English summary. Baikai Lake.
- 15532 LYUBIMOVA, M. N., FAIN, F. S., and DEMYANOVSKAYA, N. S. Mn⁺⁺-ATPase in the leaves of higher plants. (Rus) Biokhimiya 31(5):1053-1056. Sept./Oct. 1966. 385 B523
- 15533 English summary.
- 15533 MABRY, T. J. The betacyanins and betaxanthins. In Swain, T., ed. Comparative phytochemistry, p. 231-244. Ref. 1966. QK861.S8
- 15534 MACHLIS, L., and others. Production, isolation, and characterization of sirenin. Biochemistry 5(7):2147-2152. Ref. July 1966. 381 B523
- 15535 W. H. Nutting, M. W. Williams, and H. Rapoport, joint authors. Attractant for male gametes of the water mold *Allomyces*.
- 15535 MACURA, J. Nutritional interactions between plants and bacteria and experimental bases of seed bacterization: general report. (Fr) Inst. Pasteur, Ann. 111(3,sup.):9-38. Sept. 1966. 448.3 An75
- 15536 English summary. Review of the literature.
- 15536 MADAN, C. L., GUPTA, U. S., and KHANNA, R. K. The distribution of the total alkaloids in the different organs of some *Datura* species/varieties. Cur. Sci. 35(12):311-312. June 20, 1966. 475 Sci23
- 15537 MAGNITSKII, K. P. Diagnosis of mineral nutrition of plants based on the evaluation of their chemical composition. (Rus) Agrokhiimiya 9:132-147. Ref. Sept. 1965. 365 Ag89
- 15538 MALASHENKO, YU. R., and KHARCHENKO, S. N. Effect of various factors on the antibiotic activity of *Dendrodochine*. (Uk) Mikrobiol. Zhur. 26(5):18-22. 1964. 448.3 K54
- 15539 English summary. Isolated from *Dendrodochium toxicum*.
- 15539 MANDAHAR, C. L. Nutritional studies on *Pleospora indica* (Tandon and Bilgram) Thind and Mandahar. Panjab Univ. Res. Bull. (n.s.) 16(4):305-312. Ref. Dec. 1965. 513 Ea72
- 15540 MANN, J. D., and others. Light dependency in seed germination. Calif. Agr. 20(8):6-7. Aug. 1966. 100 C12Cag
- 15541 W. B. Storey, L. S. Jordan, B. E. Day, and H. Hald, joint authors.
- 15541 MANSUROVA, S. E., and others. On the specificity of nucleotides in mycelium cells of *Penicillium chrysogenum*. (Rus) Biokhimiya 31(5):1057-1066. Ref. Sept./Oct. 1966. 385 B523
- 15542 Z. A. Shabarova, I. S. Kulaev, and M. A. Prokofev, joint authors. English summary.
- 15542 MARTINS, J., and DREWS, B. The metabolism of phenol in yeasts. (Ge) Chem.-Zeitung. Chem. App. 90(15):531-534. Ref. Aug. 5, 1966. 384 C427
- 15543 MARX-FIGINI, M. Kinetics of cellulose biosynthesis in higher plants. (Ge) Makromol. Chem. 97:282-285. Ref. 1966. 384 M28

- 15544 MATHIS, C. Comparative biochemistry of hydroxyquinones. In Swain, T., ed. Comparative phytochemistry, p.245-270. 1966. QK861.S8
- 15545 MATSUI, M., YAMASHITA, K., and SUGIMURA, Y. Synthesis of the proposed structure for sclerin. Agr. Biol. Chem. 30(6):625-627. June 1966. 385 Ag8B
Growth substances from *Sclerotinia libertiana*.
- 15546 MATSUNAKA, S., MORITA, S., and CONTI, S. F. Respiratory system of *Rhodotorula glutinis*. I. Inhibitor tolerance and cytochrome components. Plant Physiol. 41(8):1364-1369. Ref. Oct. 1966. 450 P692
Effects of cyanide and antimycin A on oxygen uptake.
- 15547 MATSUNAKA, S., and CONTI, S. F. The respiratory system of *Rhodotorula glutinis*. II. Mechanisms of inhibitor tolerant respiration. Plant Physiol. 41(8):1370-1375. Ref. Oct. 1966. 450 P692
Oxygen uptake studied.
- 15548 MCNAUGHTON, S. J. Light-stimulated oxygen uptake and glycolic acid oxidase in *Typha latifolia* L. leaf disks. Nature [London] 211(5054): 1197-1198. Ref. Sept. 10, 1966. 472 N21
- 15549 MEUCHE, D., and HUNECK, S. Contents of mosses. II. Azulene from *Calypogeia trichomania* (L.) Corda. (Ge) Chem. Ber. 99(8): 2669-2674. 1966. 384 B45
- 15550 MEYER, F. H. Fungus symbiosis in cultivated plants in agriculture and forestry. (Ge) Landwirt. Forsch. Sonderheft 20:106-116. Ref., p.113-116. 1966. 18 L2333A
Mycorhyza.
- 15551 MIFLIN, B. J., and WHITTINGHAM, C. P. The effect of inhibitors on the path of carbon in photosynthesis by *Chlorella* at low partial pressures of CO₂. I. Methylamine. Ann. Bot. (n.s.) 30(119):329-337. Ref. July 1966. 450 An7
- 15552 MIFLIN, B. J., and WHITTINGHAM, C. P. The effect of inhibitors on the path of carbon in photosynthesis by *Chlorella* at low partial pressures of CO₂. II. The effect of inhibitors on oxygen evolution. Ann. Bot. (n.s.) 30(119): 339-347. Ref. July 1966. 450 An7
Studies with radioactive carbon, DCMU, and hydroxylamine.
- 15553 MIHALYFI, J. P. Influence of light on catalase activity of leaves. Acta Agron. [Budapest] 15 (3/4):335-339. 1966. 19 Ac8
- 15554 MIKHAILOVNA, A. A., SERDYUK, L. S., and KHARCHENKO, S. M. Isolation of ergosterin from the mycelium of *Dendrodochium toxicum*. (Uk) Mikrobiol. Zhur. 26(4):60-62. 1964. 448.3 K54
English summary.
- 15555 MILLAR, B. D. Relative turgidity of leaves: temperature effects in measurement. Science 154(3748):512-513. Ref. Oct. 28, 1966. 470 Sci2
- 15556 MILLERS, A., and OINASE, D. Alterations of the radiation effect on plants depending on cation composition of the nutrient medium. (La) Latv. PSR Zinat. Akad. Vestis 7:74-79. Ref. 1966. 511 R442
English summary.
Gamma rays.
- 15557 MISKE, I. Effect of desiccation on water regime of legumes. (Rus) Latv. PSR Zinat. Akad. Vestis 5:94-101. Ref. 1966. 511 R442
English summary.
- 15558 MISRA, D. K. Influence of soil moisture on physiological processes in plants. Indian J. Agron. 10(3):331-343. Sept. 1965. 22 In235
Review of the literature.
- 15559 MIZUNO, M., and others. Fatty acid composition of hydrocarbon-assimilating yeast. Agr. Biol. Chem. 30(5):506-510. Ref. May 1966. 385 Ag8B
Y. Shimajima, T. Iguchi, I. Takeda, and S. Senoh, joint authors.
Candida petrophilum and Torulopsis petrophilum.
- 15560 MOHAMED, H., and EL-FOULY, M. Redox system, ascorbic acid/dehydroascorbic acid, and ascorbic acid oxidase activity in the developmental cycle of higher plants. (Ge) Deut. Bot. Ges. Ber. 78(11):75-82. Ref. 1965. 451 D48
Helianthus annuus, *Phaseolus vulgaris*, and *Zea mays* studied.
- 15561 MOHR, H. The control of development by light with fern gametophytes as an example. (Ge) Deut. Bot. Ges. Ber. 78(11):54-68. Ref. 1965. 451 D48
Dryopteris filix-mas.
- 15562 MORELAND, D. E., and others. Regulation of plant growth by constituents from higher plants. Advances Chem. Ser. 53:112-141. 1966. 381 A493
G. H. Egle, A. D. Worsham, and T. J. Monaco, joint authors.
Bibliography, p.136-141.
- 15563 MORRIS, I. Inhibition of protein synthesis by cycloheximide (actidione) in *Chlorella*. Nature [London] 211(5054):1190-1192. Ref. Sept. 10, 1966. 472 N21
- 15564 MORRIS, L. J., HALL, S. W., and JAMES, A. T. The biosynthesis of ricinoleic acid by *Claviceps purpurea*. Biochem. J. 100(3):29C-30C. Ref. Sept. 1966. 382 B52
- 15565 MULLER, H. M. Investigations of the acid metabolism of *Aspergillus niger*. IV. The participation of autolysis in the accumulation of oxalic acid. (Ge) Arch. Mikrobiol. 53(4):303-316. Ref. May 9, 1966. 442.8 Ar26
English summary.
- 15566 MULLER-STOLL, W. R. The problem of water outflow from roots. Symp. Water Stress Plants Proc. 1963:21-29. Ref. 1965. QK873.S9
- 15567 MUROMTSEV, G. S. Comparative physiological activity of gibberellins and the relation between the activity and structure of the molecule. 22 p. Ref. (JPRS 26,841; TT 64-51098)
Transl. 14571
Effects on plants.
Translation from *Uspekhi Sovremennoi Biologii* 57(3):447-492. 1964. CFS71; \$1.00.
- 15568 MUTUSKIN, A. A. Storage and transport forms of iron in plants. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 4:581-591. Ref. July/Aug. 1966. 511 Sa2B
English summary.
- 15569 NAGAI, S., and FLAVIN, M. Acetylhomoserine and methionine biosynthesis in *Neurospora*. J. Biol. Chem. 241(16):3861-3863. Ref. Aug. 25, 1966. 381 J824
- 15570 NAGASAKI, S., and others. An enzyme which degrades the walls of living yeast. Biochem. Biophys. Res. Commun. 25(2):158-164. Oct. 20, 1966. 442.8 B5236
N. P. Neumann, P. Arnou, L. D. Schnable, and J. O. Lampen, joint authors.
- 15571 NAIR, P. M., and VAIDYANATHAN, C. S. Conversion of isophenoxazine to catechol in *Tecoma stans*. Arch. Biochem. Biophys. 115(3): 515-522. Ref. Sept. 9, 1966. 381 Ar2
- 15572 NEHRASH, A. K., and MATVIYENKO, S. O. Algicidal properties of aquatic and shore plants of the Kremenchuk Reservoir with respect to the blue-green algae *Microcystis pulverea* and *Anabaena hassallii*. (Uk) Mikrobiol. Zhur. 27 (2):39-42. 1965. 448.3 K54
English summary.
Growth inhibitors.
- 15573 NOMURA, D. Studies on naringinase produced by *Comiothryum diploidiella*. I. The properties of naringinase and the removal of co-existing pectinase from the enzyme preparation. Enzymologia 29(3/5):272-282. Ref. June 11, 1965. 390.08 En9
- 15574 NORDAL, A., GETHER, J., and HAUSTVEIT, G. The non-volatile acids of succulent plants exhibiting a marked diurnal oscillation in their acid content. Acta Chem. Scand. 20(5):1431-1432. 1966. 385 Ac82

- 15575 NOVITSKAYA, G. V., and MAL'TSEVA, V. A. The triglyceride composition of seeds of *Monarda fistulosa* L. (family Labiatae) *Monarda mollis* L. and *Pycnanthemum virginianum* L. (Rus) *Biokhimiya* 31(5):953-958. Ref. Sept./Oct. 1966. 385 B523
English summary.
- 15576 OERTLI, J. J. Effect of external salt concentrations on water relations in plants, II. Effect of the osmotic differential between external medium and xylem on water relations in the entire plant. *Soil Sci.* 102(4):258-263. Ref. Oct. 1966. 56.8 So3
- 15577 OHKUMA, K. Synthesis of some analogs of abscisic II. *Agr. Biol. Chem.* 30(5):434-437. May 1966. 385 Ag8B
- 15578 O'LEARY, J. W. Temperature effects on root pressure exudation. *Ann. Bot. (n.s.)* 30(119):419-423. July 1966. 450 An7
Respiration study.
- 15579 PALAVEEVA-KOVACHEVSKA, M. Certain biological peculiarities of *Cirsium arvense* (L.) Scop. (Bu) *Raznienyudni Nauk.* 3(6):57-68. Ref. 1966. 64.8 R18
English summary.
Physiology and morphology.
- 15580 PARIBOK, T. A., and ALEKSEEVA-POPOVA, N. V. Content of some chemical elements in the wild plants of the polar Urals as related to the problem of the "serpentine vegetation." (Rus) *Bot. Zhur. [Moscow]* 51(3):339-353. Ref. Mar. 1966. 451 R923
English summary.
Chiefly minor elements.
- 15581 PATTEN, B. C., and IVERSON, R. I. Photosynthesis and uptake of strontium-85 in fresh-water plankton. *Nature [London]* 211(5044):96-97. July 2, 1966. 472 N21
- 15582 PAULSEN, C. Paulsen's Nursery. Ed. 3. Minden, Nebraska, 1966. 96 p. QK861.P3
Includes plant biochemistry and nutritive value.
- 15583 PEARMAN, G. I. The reflection of visible radiation from leaves of some Western Australian species. *Australian J. Biol. Sci.* 19(1):97-103. Ref. Feb. 1966. 442.8 Au72
Study of absorption and dissipation of energy with a spectrophotometer.
- 15584 PECKET, R. C. Colour change in flowers of *Lathyrus hirsutus* during senescence. *Nature [London]* 211(5054):1215. Sept. 10, 1966. 472 N21
- 15585 PENKA, M. Changes in the transpiration of plants in the course of the day. *Symp. Water Stress Plants. Proc.* 1963:247-256. Ref. 1965. QK873.S9
Includes discussion.
- 15586 PERCIVAL, E. The natural distribution of plant polysaccharides. In Swain, T., ed. *Comparative phytochemistry*, p. 139-158. Ref. 1966. QK861.S8
- 15587 PLAMONDON, J. E., and BASSHAM, J. A. Glycolic acid labeling during photosynthesis with $^{14}\text{CO}_2$ and tritiated water. *Plant Physiol.* 41(8):1272-1275. Ref. Oct. 1966. 450 P692
Chlorella pyrenoidosa.
- 15588 POLITIS, J. A new method for the microchemical localization of chlorogenic acid and tannins in plants. 3 p. *Transl.* 16253
Translation from *Academie d'Agriculture de France. Comptes Rendus* 225:954-956. Nov. 17 1947.
- 15589 RANGASWAMI, S., and RAO, R. V. K. Isolation and structure of a new alkaloid nor-nerone from the bulbs of *Pancratium longiflorum* Roxb. *Tetrahedron Lett.* 37:4481-4484. Sept. 1966. 385 T29
- 15590 RATNEV, E. I. *Pitanie rastenii i primeneniye obdorenii* [Nutrition of plants and the application of fertilizers]. Ed. 2, enl. Moskva, Nauka, 1965. 222 p. Ref. QK867.R3
- 15591 RAY, P. M., and ALEXANDER, W. E. Photo-periodic adaptation to latitude in *Xanthium strumarium*. *Amer. J. Bot.* 53(8):806-816. map. Ref. Sept. 1966. 450 Am36
- 15592 REES, D. A. Carbohydrate sulphates. *Chem. Soc. Annu. Rep. Progr. Chem.* 62:469-487. 1965. 382 L84A
Review of the literature.
Includes seaweed biochemistry.
- 15593 REISS, J. Investigations on the cytochemical determination of glucose oxidase (E.C. 1.1.3.5) in *Aspergillus niger*, (Ge) *Histochemie* 7(3): 1966. 202-210. Ref. 1966. 384 H622
English summary.
- 15594 REUTHER, G. Comparative study on the radiation resistance of wheat varieties during initial period of germination. (Ge) *Radiat. Bot.* 6(5): 433-443. Ref. Oct. 1966. 450 R11
English summary.
X-rays.
- 15595 RIJTEMA, P. E. Evapotranspiration. Wageningen. Inst. Cultuurtech. Waterhuishouding. *Tech. Bull.* 47:72-89. Ref. 1966. 282.9 W12T
From crops.
- 15596 ROBERTS, D. W. A., and PERKINS, H. J. The incorporation of the two carbons of acetate and glycine into the porphide and phytol moieties of chlorophylls alpha and beta. *Biochim. Biophys. Acta* 127(1):42-46. Ref. Sept. 26, 1966. 351 B522
- 15597 ROBERTSON, G. W. The light composition of solar and sky spectra available to plants. *Ecology* 47(4):640-643. Summer 1966. 416 Ec7
- 15598 ROBINSON, P. M., and PARK, D. Citrinin—a fungistatic antibiotic and narrowing factor. *Nature [London]* 211(5051):883-884. Ref. Aug. 20, 1966. 472 N21
- 15599 ROSENBERG, A., GOUAUX, J., and MILCH, P. Monogalactosyl and digalactosyl diglycerides from heterotrophic, hetero-autotrophic, and photobiotic *Euglena gracilis*. *J. Lipid Res.* 7(6):733-738. Ref. Nov. 1966. 381 J8282
- 15600 ROSIK, J., and others. Polysaccharides from *Fomes marginatus* (Fr.) Gill. *Collect. Czech. Chem. Commun.* 31(9):3751-3757. Ref. Sept. 1966. 385 C68
V. Zitko, S. Bauer, and J. Kubala, joint authors.
- 15601 ROSSOUW, J. H., and VAN DER WALT, C. F. J. The ion-exchange chromatographic separation and concentration of certain trace elements prior to the spectrographic analysis of plant material. (Af S. Afr. J. Agr. Sci. 9(1):77-86. Ref. Mar. 1966. 24 Su3
English summary.
- 15602 RUDDAT, M. Inhibition of the biosynthesis of steviol by a growth retardant. *Nature [London]* 211(5052):971-972. Ref. Aug. 27, 1966. 472 N21
In *Stevia rebaudiana*.
- 15603 RULJGROK, H. W. L. The distribution of rannuculin and cyanogenetic compounds in the Rannuculaceae. In Swain, T., ed. *Comparative phytochemistry*, p. 175-186. Ref. 1966. QK861.S8
- 15604 RYCHNOVSKA, M. Water relations of some steppe plants investigated by means of the reversibility of the water saturation deficit. *Symp. Water Stress Plants. Proc.* 1963:108-116. 1965. QK873.S9
In Hungary.
Includes discussion.
- 15605 SACHS, R. M. Inhibition of flower initiation in *Parhitis nil* by an inhibitor of steroid biosynthesis is dependent on seedling age. *Plant Physiol.* 41(8):1392-1394. Oct. 1966. 450 P692
TDEAP studied.
- 15606 SADIQUE, J., SHANMUGASUNDARAM, R., and SHANMUGASUNDARAM, E. R. B. Isolation of 5-amino-4-ribitylaminouracil from a riboflavinless mutant of *Aspergillus nidulans*. *Biochem. J.* 101(1):2C-3C. Oct. 1966. 382 B52
- 15607 SAONO, S. A method for screening of growth stimulating microorganisms with the help of *Chlorella* sp. (Rus) *Mikrobiologiya* 35(4):736-742. Ref. July/Aug. 1966. 448.3 M582
English summary.
Tests with yeasts.
- 15608 SARGENT, M. L., BRIGGS, W. R., and WOODWARD, D. O. Circadian nature of a rhythm expressed by an invertaseless strain of *Neurospora crassa*. *Plant Physiol.* 41(8):1343-1349. Ref. Oct. 1966. 450 P692
- 15609 SCHEDA, R., and BOS, P. Hydrocarbons as substrates for yeasts. *Nature [London]* 211 (5049):660. Aug. 6, 1966. 472 N21

- 15610 SCHINDLER, D. W. A liquid scintillation method for measuring carbon-14 uptake in photosynthesis. *Nature* [London] 211(5051):844-845, Aug.20,1966. 472 N21
By algae.
- 15611 SCHNEIDER, F. Radiation. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965: 110-112. 1966. 86 B65
Effects of X-rays on *Cytisus praecox* and *Potentilla fruticosa*.
- 15612 SCHROTER, H. B., and others. Withasomnine, a pyrazole alkaloid from *Withania somnifera* Dun. *Tetrahedron* 22(8):2895-2897. Aug.1966. 382 T29
D. Neumann, A. R. Katritzky, and F. J. Swinbourne, joint authors.
- 15613 SELISKAR, C. J. Separation of phytylated and non-phytylated chlorophylls by thin-layer chromatography. *Anal Biochem.* 17(1):174-177. Ref. Oct.1966. 381 An13
- 15614 SENGER, H., and SCHOSER, G. The wavelength-dependent induction of cell division in synchronized mixotrophic cultures of *Chlorella pyrenoidosa*. (Ge) *Z. Pflanzenphysiol.* 54(4):308-320. Ref. Mar.1966. 450 Z32
English summary.
- 15615 SHARMA, Y. N., and others. Coumarin constituents of *Heracleum candicans*, III. *Tetrahedron* 22(9):3221-3225. Sept.1966. 382 T29
A. Zaman, A. R. Kidwai, R. B. Bates, and V. P. Thalacker, joint authors.
- 15616 SIEGELMAN, H. W., TURNER, B. C., and HENDRICKS, S. B. The chromophore of phytochrome. *Plant Physiol.* 41(8):1289-1292. Ref. Oct.1966. 450 P692
- 15617 SIMONIS, W., and URBACH, D. On the action of X-rays on photosynthesis and phosphate metabolism in *Ankistrodesmus braunii*. (Ge) *Z. Pflanzenphysiol.* 54(4):321-332. Ref. Mar. 1966. 450 Z32
English summary.
- 15618 SKRYABIN, G. K., VAISMAN, E. M., and EROSHIN, V. K. The influence of growth stage of *Tighehemella orchidis* cultures on transformation of Reichstein's substance S. (Rus) *Akad. Nauk SSSR. Izv. Ser. Biol.* 4:549-553. Ref. July/Aug.1966. 511 Sa2B
English summary.
- 15619 SKVARKO, K. O. Investigation of the effect of X-rays on the flavinogenesis of *Candida melibiosii* yeast, depending on the physiological state of the cells and the conditions of their incubation. (Uk) *Mikrobiol. Zhur.* 27(6):48-53. Ref. 1965. 448.3 K54
English summary.
- 15620 SLAVIK, B. The influence of decreasing hydration level on photosynthetic rate in the thalli of the hepatic *Conocephalum conicum*. *Symp. Water Stress Plants. Proc.* 1963:195-202. Ref. 1965. QK873.S9
Includes discussion.
- 15621 SLAVIKOVA, L., and SLAVIK, J. Alkaloids of the *Papaveraceae*. XXXIV-XXXV. (Ge) *Collect. Czech. Chem. Commun.* 31(10):4184-4187. Ref. Oct.1966. 385 C68
- 15622 SMITH, D. L. Development of the inflorescence in *Carex*. *Ann. Bot. (n.s.)* 30(119):475-486. July 1966. 450 An7
- 15623 SMITH, J. R. L., and CALVIN, M. Studies on the chemical and photochemical oxidation of bacteriochlorophyll. *Amer. Chem. Soc. J.* 88(19):4500-4506. Oct.5,1966. 381 Am33J
- 15624 SOLAROVA, J. Stomata reactivity in leaves at different insertion level during wilting. *Symp. Water Stress Plants. Proc.* 1963:147-154. Ref. 1965. QK873.S9
Includes discussion.
- 15625 SOLONEVICH, N. G. A contribution to the biology sphagnum mosses. (Rus) *Bot. Zhur.* [Moscow] 51(9):1297-1302. Ref. Sept.1966. 451 R923
- 15626 SONDEHEIMER, E., and GALSON, E. C. Effects of abscisin II and other plant growth substances on germination of seeds with stratification requirements. *Plant Physiol.* 41(8):1397-1398. Oct.1966. 450 P692
Fraxinus.
- 15627 SRIVASTAVA, S. N., BHAKUNI, D. S., and SHARMA, V. N. Chemical constituents of *Argemone ochroleuca* Swart. *Cur. Sci.* 35(12): 313-314. June 20,1966. 475 Sci23
- 15628 STACEY, J. L., and CASSELLTON, P. J. Utilization of adenine but not nitrate as nitrogen source by *Prototheca zopfii*. *Nature* [London] 211(5051):862. Aug.20,1966. 472 N21
- 15629 STAIKOV, G. Concerning seed vernalization according to the period of dormancy and the degree of maturity. (Bu) *Rastenievudni Nauk.* 2(1):11-21. Ref. 1965. 648 R18
English summary.
- 15630 STAROVOITOVA, T. V., and LAKHNO, YE. S. On the method of studying antimicrobial activity of arboreal plants. (Uk) *Mikrobiol. Zhur.* 27(4):71-74. 1965. 448.3 K54
English summary.
- 15631 STESHENKO, A. P. On germinating capacity of seeds from Arctic Ural area. (Rus) *Bot. Zhur.* [Moscow] 51(2):221-233. Ref. Feb.1966. 451 R923
English summary.
- 15632 STEWARD, F. C., KRICKORIAN, A. D., and HOLSTEIN, R. D. About plants; topics in plant biology. Reading, Massachusettes, 1966. 174 p. Ref. (Addison-Wesley Series in the Principles of Biology) QK711.S7
Chiefly plant physiology.
- 15633 STEWART, J. R., and O'KELLEY, J. C. Peridic zoospore production by protophiton botryoides under alternating light-dark periods. *Amer. J. Bot.* 53(8):772-777. Ref. Sept.1966. 450 Am36
- 15634 STREBEYKO, P. The demonstration of a porometer for physiological and ecological investigations. *Symp. Water Stress Plants. Proc.* 1963:164-166. 1965. QK873.S9
Stomata in relation to water stress.
Includes discussion.
- 15635 SUPRUN, T. P. New antibiotics of fungal origin. (Rus) *Antibiotiki* 11(4):384-390. Ref. Apr.1966. 396.8 An64
Review of literature.
- 15636 SVESHNIKOVA, V. M. Water relations of some species of wormwood [*Artemisia*] in Kazakhstan. *Symp. Water Stress Plants. Proc.* 1963:268-275. 1965. QK873.S9
Includes discussion.
- 15637 SWAIN, T., ed. Comparative phytochemistry. London, Academic Press, 1966. 380 p. Ref. QK861.S8
- 15638 SYMPOSIUM ON WATER STRESS IN PLANTS, PRAGUE, 1963. Water stress in plants; proceedings of a symposium held in Prague, September 30-October 4, 1963, edited by B. Slavik. Prague, Czechoslovak Academy of Sciences, 1965. 322 p. Ref. (Symposia CSAV) QK873.S9
Includes discussions.
- 15639 TAUPEL, K., and BEHNKE, U. Research on synthesis and deterioration of citric acid by *Aspergillus niger*. 2-3. (Ge) *Nahrung* 10(3): 245-262. Ref. 1966. 389.8 N142
English summary.
- 15640 TAYLOR, A. O., and ZUCKER, M. Turnover and metabolism of chlorogenic acid in Xanthium leaves and potato tubers. *Plant Physiol.* 41(8):1350-1359. Ref. Oct.1966. 450 P692
- 15641 TAZAWA, M., and NAGAI, R. Studies on osmoregulation of *Nitella flexilis* internode with modified cell saps. *Z. Pflanzenphysiol.* 54(4): 333-344. Ref. Mar.1966. 450 Z32
- 15642 THUN, M. On planting times. (Ge) *Lebendige Erde* 3:128-129. May/June 1966. 18 L49
Growth rhythm of plants.
- 15643 TIMSON, J. The germination of *Polygonum convolvulus* L. *New Phytol.* 65(4):423-428. Oct.1966. 450 N42
- 15644 TINKLIN, R., and WEATHERLEY, P. E. On the relationship between transpiration rate and leaf water potential. *New Phytol.* 65(4):509-507. Ref. Oct.1966. 450 N42
- 15645 TRIBE, H. T. Interactions of soil fungi on cellulose film. *Brit. Mycol. Soc. Trans.* 49(3): 457-466. Ref. Sept.1966. 451 B76

- 15646 TOKORO, M., and YANAGITA, T. Physiological and biochemical studies on the longevity of *Aspergillus oryzae* conidia stored under various environmental conditions. *J. Gen. Appl. Microbiol.* 12(2):127-145. Ref. June 1966. 448.3 J824
- 15647 TSELINOVA, L. A. Response of plants to 2,4-D depending on morphological and anatomical structure and the varieties. (Rus) Vses. Botan. O-vo. Voronezhsk. Otd. Nauchn. Zap. 1964:95-100. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:54. Aug. 1965. Film S-202
- 15648 TYURIN, A. V. On the efflorescence of bird cherry, *Padus racemosa* (Lam.) Gilib., Siberian pea shrub, *Caragana arborescens* Lam. and drooping birch, *Betula verrucosa* Ehrh. at Nekhta (Kostroma Region) during 1920-1959. (Rus) Bot. Zhur. [Moscow] 51(8):1109-1120, map. Aug. 1966. 451 R923
English summary.
Phenological study.
- 15649 ULEHLA, J. The relationship between the sap exudation rate and the exudation lag. *Symp. Water Stress Plants. Proc.* 1963:30-40. 1965. QK873.S9
Includes discussion.
- 15650 VAGUIJFALVI, D., HELD, G., and TETENYI, P. Basic and neutral steroid saponins in *Solanum* species. (Ge) Arch. Pharm. 299(9): 812-815. Ref. Sept. 1966. 396.8 Ar2a
- 15651 VARADI, J., CSAPO, E., and HALMAI, J. The changes of solasodine content in the "industrial shoots" of *Solanum laciniatum* Ait. *Acta Agron. [Budapest]* 15(3/4):403-408. 1966. 19 Ac8
- 15652 VARASOVA, N. N., VASIL'eva, V. E., and PINEVICH, V. V. Effect of various growing conditions on photosynthetically active pigments of protoconic algae. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 3:97-104. Ref. 1965. 442.9 L542V
English summary.
Chlorella, Scenedesmus and Ankistrodesmus.
- 15653 VARTAPETYAN, B. B. Water relations of plants in experiments with heavy isotopes O18. *Symp. Water Stress Plants. Proc.* 1963:72-80. Ref. 1965. QK873.S9
Includes discussion.
- 15654 VASSILEVA-DRYANOVSKA, O. A. Fertilization with irradiated pollen in *Tradescantia* [paludosa]. *Radiat. Bot.* 6(5):469-479. Ref. Oct. 1966. 450 R11
- 15655 VAUTER, E. E. Modificaciones de la germinación y crecimiento de *Brassica napus* producida por Actinomicetes [Effects of Actinomicetes on germination and growth of *Brassica napus*]. *Rev. Invest. Agropecuar. Ser. 5, Patol. Veg.* 1(3):27-37. Ref. 1964. 464.8 R322
English summary.
Inhibitory effects of extracts from *A. cultures*.
- 15656 VENNESLAND, B., and TURKINGTON, E. O. The relationship of the Hill reaction to photosynthesis: studies with fluoride-poisoned blue-green algae. *Arch. Biochem. Biophys.* 116 (1/3):153-161. Ref. Sept. 26, 1966. 361 Ar2
- 15657 VISSER, W. C. The moisture consumption of plants described as a hydrological phenomenon. *Symp. Water Stress Plants. Proc.* 1963:257-267. 1965. QK873.S9
Includes discussion.
- 15658 VISSER, W. C. Progress in the knowledge about the effect of soil moisture content on plant production. *Wageningen. Inst. Cultuurtech. Waterhuishouding. Tech. Bull.* 45:18-44. Ref. 1966. 282.9 W12T
- 15659 VOSKANYAN, V. E. Some biological characteristics of plants from the upper part of alpine belt of Mount Aragats. (Rus) Bot. Zhur. [Moscow] 51(2):257-265. Ref. Feb. 1966. 451 R923
Physiology.
- 15660 WAGNER, H. Flavonoid C-glycosides. In Swain, T., ed. *Comparative phytochemistry*, p.309-320. Ref. 1966. QK861.S8
- 15661 WARD, E. W. B. Respiration of intact cells of a low-temperature Basidiomycete. *Can. J. Bot.* 44(8):1077-1086. Ref. Aug. 1966. 470 C16C
- 15662 WATSON, D. G., and others. Radionuclides in terrestrial and freshwater biota. In Willmovsky, N. J., and Wolfe, J. N., ed. *Environment of the Cape Thompson Region, Alaska*, p.1165-1200, map. Ref. 1966. QH105.A4W5
W. C. Hanson, J. J. Davis, and W. H. Rickard, joint authors.
Plants and caribou.
- 15663 WEATHERLEY, P. E. Some investigations on water deficit and transpiration under controlled conditions. *Symp. Water Stress Plants. Proc.* 1963:63-71. Ref. 1965. QK873.S9
Includes discussion.
- 15664 WEAVER, M. L., and STEEN, H. A. A cutter for making many uniform slices of plant tissue simultaneously. *Anal. Biochem.* 16(3):523-526. Sept. 1966. 361 An13
For plant respiration studies.
- 15665 WEISS, B., and TURIAN, G. A study of conidiation in *Neurospora crassa*. *J. Gen. Microbiol.* 44(3):407-418. Ref. Sept. 1966. 448.3 J823
- 15666 WEISSMANN, G. The distribution of terpenoids. In Swain, T., ed. *Comparative phytochemistry*, p.97-120. Ref. 1966. QK861.S8
- 15667 WIEGANDT, H. Phenylacetaldehyde as the odorous substance of the stinkhorn [*Phallus impudicus*]. (Ge) *Naturwissenschaften* 53(8): 200. Apr. 15, 1966. 474 N213
- 15668 WILLIAMS, A. H. Dihydrochalcones. In Swain, T., ed. *Comparative phytochemistry*, p.297-307. Ref. 1966. QK861.S8
- 15669 WILSON, J. W. An analysis of plant growth and its control in Arctic environments. *Ann. Bot.* (n.s.) 30(119):383-402. Ref. July 1966. 450 An7
Climate and soil factors.
- 15670 WINTERSBERGER, E. Occurrence of a DNA-polymerase in isolated yeast mitochondria. *Biochem. Biophys. Res. Commun.* 25(1):1-7. Ref. Oct. 5, 1966. 442.8 B5236
- 15671 WOLTERS, B. Effect of antimycotics on the growth of aerial mycelium in some fungi. (Ge) *Arch. Mikrobiol.* 53(4):369-395. Ref. May 9, 1966. 442.8 Ar26
English summary.
Botrytis allii, *Rhizoctonia solani*, and *Poly-porus versicolor* treated with griseofulvin, trichomycin, and amphotericin B.
- 15672 WYNN, W. K., and others. Physiology of Uredospores during storage. *Boyce Thompson Inst. Contrib.* 23(6):229-242. Ref. Apr./June 1966. 451 B69
R. C. Staples, B. Strouse, and C. Gajdusek, joint authors.
Effects of cold on *Puccinia graminis tritici*.
- 15673 YAMADA, H., and others. Trimethylamine metabolism. I. *Kyoto Univ. Res. Inst. Food Sci. Mem.* 27:1-14. Ref. July 1966. 389.9 K99
H. Kumagai, T. Uwajima, and K. Ogata, joint authors.
In *Trichosporon*.
- 15674 YURBITSKII, Z. I. D. N. Pryanishnikov as plant physiologist. (Rus) *Agrokhimiya* 11:49-51. Nov. 1965. 385 Ag89
- 15675 ZLOBIN, V. S. Accumulation of uranium and plutonium by seaweeds. (Rus) *Radiobiologiya* 6(4):613-617. Ref. 1966. 442.8 R11
Chorda filum, Monostroma fuscum and Laminaria saccharina.

Physiology and Biochemistry of Field Crops

- 15676 ASLYNG, H. C. Weather, water balance and plant production at Copenhagen 1955-1964. *Denmark. Vet.-Landbohojshk. Arsskr.*, 1966:1-21. Ref. 104 D41A
Field crops.
- 15677 BAZILEVICH, N. I., and DEMENT'EVA, T. G. Uptake and return of ash elements and nitrogen in cotton-alfalfa rotation. (Rus) *Agrokhimiya* 9:28-41. Ref. Sept. 1965. 385 Ag89

- 15678 MAKAROV, M., and others. Results from tests with petroleum growth preparation in respect of its stimulating effect on corn, beans, peas and soybeans. (Bu) *Rastenievudni Nauk* 3(5): 29-35. Ref. 1966. 64.8 R18
T. Georgiev, P. Radkov, I. Todorov, and I. Kovacheva, joint authors.
English summary.
- 15679 MONTEITH, J. L. The photosynthesis and transpiration of crops. *Exp. Agr.* 2(1):1-14. Ref. Jan. 1966. 10 Ex72
Field crops.
- 15680 PORTER, H. K. Leaves as collecting and distributing agents of carbon. *Australian J. Sci.* 29(2):31-40. Ref. Aug. 1966. 475 Au72
In tobacco, sugar beet and squash.
- 15681 RIJTEMA, P. E. Transpiration and production of crops in relation to climate and irrigation. Wageningen. Inst. Cultuurt. Waterhuishouding. Tech. Bull. 44:S49-S74. Ref. 1966. 282.9 W12T
- 15682 STARCK, Z. Relation between translocation of ^{14}C -assimilates and growth rate of sunflower, lupine and bean plants. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):359-365. Ref. 1966. 512 W262
- 15683 UDOVENKO, G. V., and BEZLUDNI, N. N. Effect of phosphate nutrition level on phosphorus exchange and protein synthesis in plants. (Rus) *Agrokimiya* 10:38-41. Ref. Oct. 1965. 385 Ag89
Field crops.
- Physiology and Biochemistry - Cereals
- 15684 ALLISON, J. C. S., and WATSON, D. J. The production and distribution of dry matter in maize after flowering. *Ann. Bot. (n.s.)* 30(119): 365-381. Ref. July 1966. 450 An7
- 15685 ANDREENKO, S. S., and KERECHKI, B. Effect produced by low temperature in the zone of roots upon certain physiological processes in corn. (Rus) *Akad. Nauk SSSR. Dokl.* 168: 947-950. Ref. 1966. 511 P444A
- 15686 ASTADZHOV, N. Testing the commercial value of factory fractionated and graded corn seeds. (Bu) *Rastenievudni Nauk* 2(1):57-62. 1965. 64.8 R18
English summary.
In relation to germination.
- 15687 ATAMANENKO, N. N., and KOLISETS'KA, V. R. Polarographic determination of bromine in cereals. (Uk) *Visnyk Sil'skohospodar.* Nauk. 5:52-53. May 1965. 20 V82
Russian summary.
- 15688 AUGUSTINUSSEN, E. The effects of red and far-red light on respiration in etiolated barley seedlings. *Denmark. Vet.- Landbohøjsk. Årsskr.* 1966:157-170. Ref. 104 D41A
- 15689 BALEVA, S. A. On the causes of various radioactivity of related plants. II. (Rus) *Radiobiologiya* 5(1):130-135. Ref. 1965. 442.8 R11
Corn.
- 15690 BALINT, A., and SUTKA, J. Variability of quantitative characters in maize as affected by gamma irradiation. *Acta Agron. [Budapest]* 15 (3/4):285-290. Ref. 1966. 19 Ac8
- 15691 BARAKAT, M. Z., ABDEL-WAHAB, M. F., and MEGAHED, Y. M. Variations in ascorbic acid content of Gramineae during germination and the effect of beta and gamma radiation. *J. Sci. Food Agr.* 17(5):205-207. May 1966. 382 S012
Wheat, barley, and corn.
- 15692 BAUSA ALCALDE, M. Lowest exigencies of excised rye roots cultivated in vitro. (Sp) *An. Edafol. Agrobiol.* 25(3/4):165-181. Ref. Mar./Apr. 1966. 506 Sp12
English summary.
Stimulated by indolebutyric acid.
- 15693 BIRECKA, H. Effect of (2-chloroethyl) trimethylammonium chloride (CCC) on photosynthesis and photosynthate distribution in oats and wheat after heading. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(4):261-267. Ref. 1966. 512 W262
- 15694 BOEV, V. Changes in the content of free amino acids during the winter period in the tillering node of Bezostaya 1 and San Pastore wheat varieties. (Bu) *Rastenievudni Nauk* 3(5):45-53. Ref. 1966. 64.8 R18
English summary.
- 15695 BOEV, V. Yield and grain quality of No. 301, San Pastore and Bezostaya 1 wheat varieties as affected by the meteorological conditions and fertilizing during the period 1961-1964. (Bu) *Rastenievudni Nauk* 3(1):59-77. Ref. 1966. 64.8 R18
English summary.
- 15696 BOIKO, F. E. Prolonged stage of vernalization in different winter rye varieties. (Uk) *Visnyk Sil'skohospodar.* Nauk. 5:25-30. May 1965. 20 V82
Russian summary.
- 15697 BRETSCHNEIDER-HERRMANN, B. Nutrient uptake and productivity of several varieties of oats and spring wheat under controlled climatic conditions. (Ge) *Z. Acker- Pflanzenbau* 124(3):234-248. Aug. 1966. 18 J625
English summary.
- 15698 CHERNYAVSKAYA, N. A., FARENK, G. G., and GONCHARENKO, D. F. Role of zinc in plant nutrition. (Rus) *Agrokimiya* 9:81-90. Sept. 1965. 385 Ag89
Corn.
- 15699 CHORBADZHISKA, B., and IVANOVA, A. Study on effect of DNO₂ (dinozol) preparation residues in plant material. (Bu) *Rastenievudni Nauk* 3(5):123-128. Ref. 1966. 64.8 R18
English summary.
Effect on grain and onions.
- 15700 CROSSETT, R. N. The movement of rubidium across the root of *Hordeum vulgare* (L). *New Phytol.* 65(4):443-458. Ref. Oct. 1966. 450 N42
Translocations of radioactive rubidium.
- 15701 DEVAY, M. Biochemical processes of vernalization. V. Formation and localization of ribonuclease. I. *Acta Agron. [Budapest]* 15 (1/2):85-94. 1966. 19 Ac8
Wheat.
- 15702 DOBIAS, V. Is the preparation CCC helping in the solution of grain problem? (Cz) *Za Vysokou Urodu* 14(8):294-295. Aug. 1966. 64.8 Z12
Includes prevention of lodging.
- 15703 FILEV, K. Action of low temperatures on post-radiation effect during storage of irradiated seeds. *Bulgarska Akad. Nauk. Dokl.* 19(3):217-220. Ref. 1966. 512 S02
Barley treated with radioactive cobalt.
- 15704 FORVEA, A. Growth inhibitors for grain. (It) *Esso Agr.* 15(3):30-31. June 1, 1966. 58.8 Es7
Application of CCC to control lodging.
- 15705 GESZ, B. A few physiological features of the Bankuti 1201 wheat. *Acta Agron. [Budapest]* 15 (3/4):420-421. 1966. 19 Ac8
- 15706 GOTOVA, V., BOCHEVA, E., and BOCHEV, B. Yield and quality of irrigated wheat as affected by fertilizing. (Bu) *Rastenievudni Nauk* 2(12): 107-114. Ref. 1965. 64.8 R18
English summary.
- 15707 GOTOVA, V., and GOTOV, K. Yield and quality of wheat as affected by lodging. (Bu) *Rastenievudni Nauk* 2(12):33-39. Ref. 1965. 64.8 R18
English summary.
- 15708 GREBINSKII, S. O., FORNYAK, N. M., and GARGOLA, M. S. Effects of X-rays on overamination in plants. (Rus) *Radiobiologiya* 6(4):631-632. 1966. 442.8 R11
Peas and corn.
- 15709 GRODZINSKII, A. M. Absorption activity of roots under different aeration conditions. (Rus) *Agrokimiya* 10:104-107. Oct. 1965. 385 Ag89
Corn.
- 15710 GULYAKIN, I. V., YUDINTSEVA, E. V., and LEVINA, E. M. Effect of long term monoculture and rotation with systematic fertilizer application on the accumulation of strontium-90 in oats yield. (Rus) *Agrokimiya* 10:108-117. Ref. Oct. 1965. 385 Ag89

- 15711 GULYAKIN, I. V., YUDINTSEVA, E. V., and LEVINA, E. M. Uptake of strontium-90 by plants depending on the application of various chemical compounds to soil. (Rus) *Agrokimiya* 11:144-152. Nov.1965. 385 Ag89 Grain.
- 15712 GUREVICH, S. M., and BORONINA, I. I. Uptake of nutrients by barley and yield response according to nutritional level. (Rus) *Agrokimiya* 12:51-56. Dec.1965. 385 Ag89 NPK.
- 15713 HALL, V. L. Temperature and the germinating rice seed. III. Effect of temperature on germination and eight days growth of submerged seeds. *Rice J.* 69(10):14-15. Sept.1966. 59.8 R36
- 15714 HALL, V. L. Temperature and the germinating rice seed. IV. Effect of ethanol and cloxor on rice seed germinated in water. *Rice J.* 69(11):14-16. Oct.1966. 59.8 R36
- 15715 HOFFMANN, W. E. Potassium uptake of rye and maize plants after different potassium nutrition. (Ge) *Z. Pflanzenernähr. Düngung, Bodenkd.* 113(2):112-120. Ref. 1966. 384 Z343A English summary, p. V.
- 15716 HOUSE, C. R., and FINDLAY, N. Mechanism of fluid exudation from isolated maize roots. *Nature [London]* 211(5049):649-650. Aug.6, 1966. 472 N21
- 15717 HURDUC, N., and STEFAN, V. The influence of fertilizers on the photosynthetic activity of maize plants. (Rum) *Probl. Agr. [Bucharest]* 18(9):27-37. Ref. Sept.1966. 21 R862 English summary.
- 15719 HUSAIN, A., and SPANNER, D. C. The influence of varying concentrations of applied sugar on the transport of tracers in cereal leaves. *Ann. Bot. (n.s.)* 30(119):549-561. July 1966. 450 An7
- 15719 Radioactive cesium and chlorine in rye. IVANOVA, A., and CHORBADZHISKA, B. Dynamics of some substances in oats and field beans as influenced by prometryne. (Bu) *Rastenievudni Nauk.* 2(11):75-81. Ref. 1965. 64.8 R18 English summary.
- 15720 Biochemical processes. JACQUINOT, L. Contribution to the study of the mineral nutrition of the cogonassae sorghum (*Sorghum vulgare*, var. guineense). (Fr) *Paris. Inst. Rech. Agron. Trop. Cult. Vivieres, Bull. Agron.* 21:18-71. 1966. 26 F84B English summary.
- 15721 JOHANSEN, H. B. Anthesis in rye induced by short periods of shade. *Denmark. Vet.-Landbohøjsk. Arsskr.*, 1966:68-77. 104 D41A
- 15722 JOSHI, M. S., and DASTANE, N. G. Excess water tolerance of summer cereals. *Indian J. Agron.* 10(3):289-298. Ref. Sept.1965. 22 In235
- 15722 Effects of flooding on maize, jowar, and bajra. KARAIVANOV, A. On some improvements upon the method of restricted free wheat pollination. (Bu) *Rastenievudni Nauk.* 3(3):3-9. Ref. 1966. 64.8 R18 English summary.
- 15724 KARSTEN, U. Kinin like effect of trigonelline in a yellows test. (Ge) *Naturwissenschaften* 53(9):232. May 1, 1966. 474 N213 Tests with wheat.
- 15725 KARTSEVA, L. I. Dynamics of phosphorus compounds in oats depending on nutrient conditions. (Rus) *Agrokimiya* 10:24-32. Oct.1965. 385 Ag89
- 15726 KARTSEVA, L. N. Effect of fertilizers on nitrogen/phosphorus ratio in cereals during the process of vegetation. (Rus) *Agrokimiya* 9:42-51. Sept.1965. 385 Ag89
- 15727 KHAN, A. A., and FAUST, M. A. Effect of cycocel and its analogues on growth and soluble protein content of young barley seedlings. *Nature [London]* 211(5054):1215-1216. Ref. Sept.10, 1966. 472 N21
- 15728 KHVOSTOVA, V. V., and EL'SHUNI, K. A. Partial recovery from irradiation damages of barley seeds. (Rus) *Radiobiologiya* 5(1):136-139. Ref. 1965. 442.8 R11
- 15728 Additional seed treatment and its effect on germination. KIRICHENKO, F. G., and KOSTENKO, A. I. Selection of winter wheat based on the regenerative ability of the secondary growth of roots from a tillering node. (Rus) *Vestnik Sel'skhoz. Nauk. [Moscow]* 8:52-60. Aug. 1966. 20 V633 English summary.
- 15730 KISS, I. E., and HADNAGY, A. Examination of germination of rice varieties in different temperatures. (Hu) *Kiserletugyi Kozlemenyek* 58/A(1):91-98. 1965, pub.1966. 105.9 H89 English summary.
- 15731 KIZMUS, L. A few physiological characteristics of the MFB varieties of barley. *Acta Agron. [Budapest]* 15(3/4):435-436. 1966. 19 Ac8
- 15732 KLAUS, H. Ontogenetic and histogenetic studies of barley (*Hordeum distichon* L.). (Ge) *Bot. Jahrbücher* 85(1):45-79. Ref. Jan.14, 1966. 450 En3B English summary.
- 15733 KLIMASHEVSKII, E. L. Mechanism of susceptibility of different corn varieties to the level of root nutrition. (Rus) *Akad. Nauk SSSR. Dokl.* 168:1212-1213. 1966. 51 P444A
- 15734 KOKETSU, R., SHIOMI, T., and ARIGA, Y. Relations between transpiration, absorption of inorganic matter and accumulation of ash in plants. I. In case of different degrees in insolation. 27 p. Transl. 16075
- 15735 Wheat and rice. Translation from Kyushu University. Botanical Section. Achievement 87.
- 15735 KOSHEVAKIN, A. V. Differentiated determination of nucleotides and sugar phosphates. (Rus) *Agrokimiya* 10:152-153. Ref. Oct.1965. 385 Ag89 Barley.
- 15736 KRIEDEMANN, P. The photosynthetic activity of the wheat ear. *Ann. Bot. (n.s.)* 30(119):349-363. Ref. July 1966. 450 An7
- 15737 KUDREV, T., and CHINGOV, S. Heat treatment of dry corn seeds and its effect on plant development. (Bu) *Rastenievudni Nauk.* 2(7):35-41. 1965. 64.8 R18 English summary.
- 15739 KUZNETSOVA, Z. A. Effect of fertilizers on the composition of cereals and uptake of nutrients. (Rus) *Agrokimiya* 11:108-116. Nov. 1965. 385 Ag89
- 15739 LAGADINOVA-STAIKOVA, E. Investigation on vernalization stages of hybrids between *Triticum aestivum* and *Triticale* (2n=56). (Bu) *Rastenievudni Nauk.* 2(7):3-11. 1965. 64.8 R18 English summary.
- 15740 LAUCHLI, A. The ion translocation through the roots of the intact shoots of *Zea mays* L. (Ge) *Schweiz. Bot. Ges. Ber.* 75:5-19. Ref. 1965, pub.1966. 451 Sch9 English summary.
- 15741 LAZAROV, R. Influence of irrigation on certain physiological constants of wheat. (Bu) *Rastenievudni Nauk.* 2(8):99-112. Ref. 1965. 64.8 R18 English summary.
- 15742 LI, T. C., DILOV, KH., and NEDYALKOV, N. Some physiological and biochemical changes in barley dependent on status of phosphorus nutrition. (Bu) *Rastenievudni Nauk.* 3(4):73-82. Ref. 1966. 64.8 R18 English summary.
- 15743 LINSER, H., and others. Field research with chlorocholine chloride (CCC) on oats. (Ge) *Z. Acker- Pflanzenbau* 124(3):261-268. Aug. 1966. 18 J825
- 15743 H. Kuhn, P. W. Kurten, and W. Schuster, joint authors. English summary. Effects on lodging.
- 15744 LINSER, H., RIEHLE, G., and NEUMANN, K. H. Investigations on the influence of iron and molybdenum on protein metabolism of oats during development. (Ge) *Z. Acker- Pflanzenbau* 124(3):269-282. Ref. Aug.1966. 18 J825 English summary.
- 15745 MCEWAN, J. M. Influence of seed source on the date of ear emergence in bread wheat. *Nature [London]* 211(5044):104-105. Ref. July 2, 1966. 472 N21

- 15746 MINEEV, V. G. Effect of mineral fertilizers on the formation of fractional composition of proteins in the maturing winter wheat. (Rus) *Agrokhimiya* 11:100-107. Ref. Nov.1965. 355 Ag89
- 15747 MOMOTANI, Y., and KATO, J. Isozymes of alpha-amylase induced by gibberellic acid in embryo-less grains of barley. *Plant Physiol.* 41(8):1395-1396. Oct.1966. 450 P692
- 15748 MULETSKIN, A. A., PSHENOVA, K. V., and KOTUSNIKOV, P. A. Ferredoxin from wheat leaves. (Rus) *Biokhimiya* 31(5):924-926. Ref. Sept./Oct.1966. 385 B523
English summary.
- 15749 NATR, L., and KOUSALOVA, I. The effect of relative air humidity on the development of water saturation deficit in the cut leaves of two varieties of barley. *Symp. Water Stress Plants. Proc.* 1963:128-135. Ref. 1965. QK873.S9
Includes discussion.
- 15750 NATR, L. Water saturation deficit of intensely photosynthesizing leaf tissue well supplied with water. *Symp. Water Stress Plants. Proc.* 1963:219-222. 1965. QK873.S9
Cereals.
Includes discussion.
- 15751 NEERACHER, H. Translocation studies of Zea mays with the tritiated water and microautoradiography. (Ge) *Schweiz. Bot. Ges.* Ber. 75:303-345. Ref. 1965, pub.1966. 451 Sch9
English summary.
- 15752 PAKOV, I. Development of wheat root system as affected by irrigation. (Bu) *Rastenievudni Nauk.* 2(8):113-128. 1965. 64.8 R18
English summary.
- 15753 PANDE, H. K., and RAO, N. K. A. Absorption of nutrients by the crop plants and associated weeds and its relationship with crop yield. *Indian J. Agron.* 10(3):306-312. Sept.1965. 22 In235
Wheat, *Chenopodium album*, and *Asphodelus tenuifolius*.
- 15754 PAVLOV, P. Change in soluble sugars and free amino acids in wheat as an indicator for qualitative alterations at passing from one growing stage into another. (Bu) *Rastenievudni Nauk.* 3(3):35-49. Ref. 1966. 64.8 R18
English summary.
- 15755 PAVLOV, P. Ear formation of wheat fertilized with different doses. *Bulgarska Akad. Nauk. Dokl.* 19(3):221-224. Ref. 1966. 512 So2
- 15756 PAVLOV, P., and NEDYALKOV, N. Manifestation of individual tillers in wheat during stages of development. (Bu) *Rastenievudni Nauk.* 2(5):89-100. Ref. 1965. 64.8 R18
English summary.
- 15757 PAVLOV, P. Some biochemical changes in proso grown under various light. (Bu) *Rastenievudni Nauk.* 2(7):43-49. Ref. 1965. 64.8 R18
English summary.
- 15758 POLGAR, S. Water circulation of maize on loess. (Hu) *Novenytermeles* 16(3):235-250. Ref. Aug.1966. 64.8 N76
English summary.
- 15759 POPOV, A., and NEDYALKOV, N. On the problem of wheat frost resistance. (Bu) *Rastenievudni Nauk.* 2(8):57-67. Ref. 1965. 64.8 R18
English summary.
- 15760 POPOV, A., and DIMOVA, R. Tillering at different plant densities in some wheat varieties grown in Bulgaria. (Bu) *Rastenievudni Nauk.* 3(3):51-60. 1966. 64.8 R18
English summary.
- 15761 PUNTAMKER, S. S., MEHTA, K. M., and SHARMA, V. C. Uptake of N, P and K by maize in relation to levels of nitrogen. *Indian J. Agron.* 10(3):244-252. Ref. Sept.1965. 22 In235
- 15762 RAI, K. D. Study of rain-grown sorghum and maize in the central rainlands of the Sudan. III. Effect of date of sowing and fertilizers on growth and N and P accumulation. *Indian J. Agron.* 10(3):235-243. Sept.1965. 22 In235
- 15763 RIGO, K., and TOLLER, K. Measuring peroxidase enzyme activity in barley and wheat seedlings. *Acta Agron [Budapest]* 15(3/4):440-444. 1966. 19 Ac8
- 15764 ROBERTSON, D. S., BACHMANN, M. D., and ANDERSON, I. C. Role of carotenoids in protecting chlorophyll from photodestruction. II. Studies on the effect of four modifiers of the albino Cl₁ mutant of maize. *Photochem. Photobiol.* 5(10):797-805. Ref. Oct.1966. 382 P56
- 15765 SANCHEZ DE LA PUENTE, L. Studies on the Mitscherlich law. I. Application to nitrogen effect on wheat in field trials. (Sp) *An. Edafol Agrobiol.* 25(3/4):183-192. Ref. Mar./Apr. 1966. 506 Sp12
English summary.
- 15766 SESTAK, Z., and VACLAVIK, J. Relationship between chlorophyll content and photosynthetic rate during the vegetation season in maize grown at different constant soil water levels. *Symp. Water Stress Plants. Proc.* 1963:210-218. Ref. 1965. QK873.S9
Includes discussion.
- 15767 SHMARAEV, G. E., and PEREVERSEV, D. S. The specificity of corn flowering in Siberia. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 8:61-66. Ref. Aug.1966. 20 V633
English summary.
- 15768 SIEGEL, B. Z., and GALSTON, A. W. Biosynthesis of deuterated isoprenoxides in rye plants grown in D₂O. *Nat. Acad. Sci. Proc.* 56(3):1040-1042. Ref. Sept.15,1966. 500 N21P
- 15769 SINGH, G. Dry matter and grain yield in relation to levels of nitrogen and seed rates of wheat. *Indian J. Agron.* 10(3):261-265. Ref. Sept.1965. 22 In235
- 15770 SIROIS, J. C. Studies on growth regulators. I. Improved Avena coleoptile elongation test for auxin. *Plant Physiol.* 41(8):1308-1312. Ref. Oct.1966. 450 P692
Indoleacetic acid.
- 15771 SKUPIN, J., and others. Sulfhydryl nature of wheat grain protease B. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(6):397-400. 1966. 512 W262
K. Rosinska, A. Skupin, and J. Warchalewski, joint authors.
- 15772 SOBIESZCZANSKI, J. Studies on the role of microorganisms in the life of cultivated plants. III. *Acta Microbiol. Polon.* 15(1):67-84. Ref. 1966. 448.3 Ac82
Stimulating the growth of lettuce and wheat.
- 15773 SPILLANE, P. A., and MCGOVERN, H. Influence of environmental factors on the milling and baking behavior of some wheat varieties. *Cereal Sci. Today* 11(10):441-443,458. Oct. 1966. 59.8 C333
- 15774 SPROVA, M. Characteristics of flowering of *Hordeum sativum* Jess. (Bu) *Rastenievudni Nauk.* 3(5):17-22. 1966. 64.8 R18
German summary.
- 15775 STAIKOV, G., and KULBOVA, V. Study on corn development and yield as influenced by seed soaking in water or microelement solutions. (Bu) *Rastenievudni Nauk.* 3(5):23-28. Ref. 1966. 64.8 R18
English summary.
- 15776 STAIKOV, G., and PROICHEV, S. Study of growth, development and yield of corn as affected by some pre-planting seed treatments. (Bu) *Rastenievudni Nauk.* 3(2):49-56. Ref. 1966. 64.8 R18
English summary.
- Chiefly with succinic acid and gibberellin.
- 15777 STEFAN, I. The influence of climatic conditions on yield components in several wheat varieties under the Baragan Plain conditions. (Rum) *Probl. Agr. [Bucharest]* 18(9):20-26. Sept.1966. 21 R862
English summary.
- 15778 STOILOV, M. Investigations on influence of alien pollen and certain vitamins on inbred lines and certain vitamins on inbred lines and hybrids of corn. (Bu) *Rastenievudni Nauk.* 2(11):3-10. Ref. 1965. 64.8 R18
English summary.
- 15779 SUGIYAMA, T., and GOTO, Y. Enhanced activity of pyruvic kinase in the potassium-deficient wheat leaves. *Agr. Biol. Chem.* 30(6):621-622. June 1966. 385 Ag8B
- 15780 TREHUBENKO, M. YA., and OML'YANETS, V. Dynamics of accumulation of carbohydrates in corn. (Uk) *Visnyk Sil'skohospodar. Nauk.* 5:60-61. May 1965. 20 V82
Russian summary.

- 15781 TRELA, S., SIKOROWICZ, Z., and STAWIN-
SKA, Z. Changes in the chemical composition
and calorific value of green fodder and silage
from two varieties of corn during vegetation.
(Pol) *Krakow, Wyższa Szkoła Roln. Zeszyty*
Nauk. Zootech. 6:85-96, Ref. 1965, 49.9 K852
English summary.
- 15782 TSENOV, A. Overwintering of Bezostaya 1
wheat variety as affected by winter drought.
(Bu) *Rastenievudni Nauk.* 2(9):3-11, Ref. 1965,
64.8 R18
English summary.
- 15783 VACLAVIK, J. The cell sap concentration in
maize plants at controlled soil moisture stress.
Symp. Water Stress Plants. Proc. 1963:41-49.
1965. QK873.S9
Includes discussion.
- 15784 VLASYUK, P. A., PROTSENKO, D. F., and
KOLOSHA, O. I. Content of phosphorus in win-
ter wheat as related to the frost resistance of
this plant. (Rus) *Akad. Nauk SSSR, Dokl.* 169
6:1463-1464, Ref. 1966, 511 P444A
- 15785 WALTHER, F. Study of radiation biology of
cereal species. I. Different radiation sensitivity
in German winter wheat varieties. (Ge) *Z.*
Pflanzenzucht. 55(1):67-80, Ref. Feb. 1966,
450 Z36
English summary.
- 15786 YAKOVLEV, V. I., KRETOVICH, V. L., and
GORETOV, V. P. Purification and properties
of plant glutamate dehydrogenase. (Rus) *Bio-
khimiya* 31(5):887-892, Ref. Sept./Oct. 1966,
385 B53
English summary.
- 15787 ZEMANEK, M. Contribution to the study of
varietal differences in water relations in
spring barley by quantitative analysis of trans-
piration curves. *Symp. Water Stress Plants.*
Proc. 1963:276-281, 1965. QK873.S9
Includes discussion.
- 15788 ZWICKER, R. A report on the problem of the
war economy of oat plants and of regulating
transpiration by treatment with varying
amounts of nitrogen. *Symp. Water Stress*
Plants. Proc. 1963:282-290, Ref. 1965.
QK873.S9
Includes discussion.
- Physiology and Biochemistry - Fiber Crops
- 15789 LICHEV, S. Cotton root system development as
affected by soil, heat, light and nutritional con-
ditions. (Bu) *Rastenievudni Nauk.* 2(11):11-20,
1965, 64.8 R18
English summary.
- 15790 MCNAUGHTON, S. J. Oxidase activity in eco-
typic populations of *Typha latifolia* L. *Nature*
[London] 211(5056):1377-1379, Ref. Sept. 24,
1966, 472 N21
- 15791 OBATA, Y., and ISHIKAWA, Y. Studies on the
constituents of hemp plant (*Cannabis sativa* L.).
III. *Agr. Biol. Chem.* 30(6):619-620, June
1966, 385 Ag8B
- 15792 SINHA, S. K., and SAXENA, S. S. Growth and
yield of *Linum usitatissimum* at different levels
of pH in sand culture. *Indian J. Agron.* 10(3):
283-288, Ref. Sept. 1965, 22 In235
- 15793 SOPYEV, A., and AGAKSHEV, D. A. Effects of
defoliant on planting qualities of cotton
seeds. (Rus) *Khlopkovodstvo* 9:26-27, Sept.
1966, 72.8 K522
Weight and viability.
- 15794 TRAYANOVA, N. Growth and development of
the Konkurent fiber flax variety as influenced
by meteorological conditions in the Beglika area
of the Rhodope Mountains. (Bu) *Rastenievudni*
Nauk. 3(6):85-93, Ref. 1966, 64.8 R18
English summary.
- 15795 UGURCHINSKI, S. Flowering and fruit forma-
tion in cotton as affected by the irrigation water
temperature. (Bu) *Rastenievudni Nauk.* 3(2):
57-67, 1966, 64.8 R18
English summary.
- Physiology and Biochemistry - Forage Crops and Grasses
- 15796 BECK, A. B., KOWALA, C., and LAMBERTON,
J. A. 2,4-dihydroxy-4'-methoxybenzil, a prob-
able artefact from formononetin in subterra-
nean clover extracts. *Australian J. Chem.* 19
(9):1755-1757, Sept. 1966, 475 Au73
- 15797 BIRECKA, H., GLAZEWSKI, S., and NALBOR-
CZYK, T. Basic amino acids in fodder and
bitter biotypes of *Lupinus luteus*. *Acad.*
Polon. Sci. Bull. Ser. Sci. Biol. 14(6):451-458,
1966, 512 W262
- 15798 CHURY, J. Seasonal changes of estrogenic ac-
tivity in alfalfa. (Cz) *Brno, Vysoka Sk. Zeme-
del. Sh. Rada B.* Spisy Fak. Vet. 1:59-65, Ref.
1966, 105.92 B333
English summary.
- 15799 CORNFORTH, J. W., MILBORROW, B. V., and
RYBACK, G. Identification of the yellow lupin
growth inhibitor as (+)-abscisin II ((r)-dormin).
Nature [London] 211(5050):742-743, Ref.
Aug. 13, 1966, 472 N21
- 15800 DZHUMALEVA, D. Influence of fertilizing and
ratio of components on interaction of plants in
sorgho-soybean mixture. (Bu) *Rastenievudni*
Nauk. 3(1):89-102, Ref. 1966, 64.8 R18
English summary.
Minerals used.
- 15801 FLEMING, G. A. Trace elements in plants
with particular reference to pasture species.
Outlook Agr. 4(6):270-285, Ref. 1965, 10 Ou8
- 15802 GACEK, K. Ferrum and manganese content in
different plant species. (Pol) *Rocz. Nauk*
Roln. 85-B-2:291-297, Ref. 1965, 20.5 R59
English summary.
Chiefly forage plants.
- 15803 GERLOFF, E. D., RICHARDSON, T., and
STAHMANN, M. A. Changes in fatty acids of
alfalfa roots during cold hardening. *Plant*
Physiol. 41(8):1280-1284, Ref. Oct. 1966,
450 P692
- 15804 GIBSON, A. H. Physical environment and sym-
biotic nitrogen fixation. III. Root temperature
effects on shoot and root development and nitro-
gen in *Trifolium subterraneum*. *Australian J.*
Biol. Sci. 19(2):219-232, Apr. 1966, 442.8 Au72
- 15805 GLIHA-BOTIC, N. Correlation between the re-
action to the defoliation and life duration and
the strains of *Dactylis glomerata* L. (Se)
Agron. Glas. 15(7/8):497-500, 1965, 21.5 Ag84
- 15806 GRINBERG, I. P. Effect of pre-sowing treat-
ment of seeds with tartaric and succinic acids
on the yield, maturing, and composition of si-
lage sorghum. (Rus) *Agrokimiya* 9:94-102,
Ref. Sept. 1965, 385 Ag89
- 15807 HODGKINSON, K. C., and VEALE, J. A. The
distribution of photosynthate within lucerne as
influenced by illumination. *Australian J. Biol.*
Sci. 19(1):15-21, Ref. Feb. 1966, 442.8 Au72
Radioactive carbon used.
- 15808 HOLMSEN, T. W., and LEASURE, J. K. Growth-inhibiting action of tris (1-aziridinyl)-
phosphine oxide in grasses. *Science* 153
(3744):1659, Sept. 30, 1966, 470 Sc12
- 15809 KHRAMTSOVA, N. F. Altitudinal variations in
developmental rhythm of *Poa ibérica* Fisch. et
Mey. in the western Caucasus. (Rus) *Bot.*
Zhur. [Moscow] 50(12):1726-1731, Ref. Dec.,
1965, 451 R923
- 15810 KHRISTOV, M. A., NEDEVA, D., and RADKOV,
D. Dynamics of stand regrowth of some mead-
ow types. (Bu) *Rastenievudni Nauk.* 2(10):47-
66, Ref. 1965, 64.8 R18
German summary.
Includes yields.
- 15811 KLEINHOF, A., HASKINS, F. A., and GORZ,
H. J. Relationship of phenylalanine ammonia-
lyase activity to omicron-hydroxycinnamic
acid content in *Melilotus alba*. *Plant Physiol.*
41(8):1276-1279, Ref. Oct. 1966, 450 P692
- 15812 EL KOBBA, T., and OMAR, M. A. The distri-
bution of potassium and magnesium in the
leaves of lucerne plant. *J. Soil Sci. United*
Arab Repub. 5(2):111-120, 1965, 56.8 J825

- 15813 MAMAROVA, L. Development and yield of lucerne as affected by molybdenum and boron under typical Chernozen soil conditions. (Bu) Rastenievudni Nauk. 2(9):57-66. 1965. 64.8 R18
English summary.
- 15814 MILLIKAN, C. R., and HANGER, B. C. Movement of previously deposited ^{45}Ca in subterranean clover (*Trifolium subterraneum* L.) by foliar injections of certain cations. Australian J. Biol. Sci. 19(1):1-14. Ref. Feb. 1966. 442.8 Au72
- 15815 MUELLER-DOMBOIS, D., and SIMS, H. P. Response of three grasses to two soils and a water table depth gradient. Ecology 47(4):644-648. Ref. Summer 1966. 41C Ec7
Calamagrostis canadensis, Andropogon gerardi and Koeleria cristata in sandy and loamy soils.
- 15816 MYSAK, F. New economic method of the defoliation of clover grown for seeds. (Cz) Za Vysokou Urodu 14(6):228-230. June 1966. 64.8 Z12
- 15817 RAGUSE, C. A., and SMITH, D. Some non-structural carbohydrates in forage legume herbage. J. Agr. Food Chem. 14(4):423-426. Ref. July/Aug. 1966. 381 J8223
In relation to plant maturity.
- 15818 RIPA, A. Amino acid and protein composition of the vegetative organs of some leguminous plants. (Rus) Latv. PSR Zinat. Akad. Vestis 6:101-111. Ref. 1966. 511 R442
English summary.
Trigonella coerulea, white sweetclover and red clover.
- 15819 SAVCHENKO, P. YU. Sprouts of vetch as culture medium for tubercular mycobacteria. (Uk) Visnyk Sil's'kohospodar. Nauk. 7:109-110. July 1965. 20 V82
Russian summary.
- 15820 SMITH, D., and JEWISS, O. R. Effects of temperature and nitrogen supply on the growth of timothy (*Phleum pratense* L.). Ann. Appl. Biol. 56(1):145-157. Ref. Aug. 1966. 442.8 An72
- 15821 SQUIRE, H. M., and MIDDLETON, L. J. Behaviour of Cs^{137} in soils and pastures. A long term experiment. Radiat. Bot. 6(5):413-423. Oct. 1966. 450 R11
Ryegrass.
- 15822 SZIGAT, G. Study of selective pollination and its effects on the vitality of the F₁ *Lupinus angustifolius* L. (Ge) Z. Pflanzenzucht. 55(3):276-303. Ref. May 1966. 450 Z36
English summary.
- 15823 VASILEVA, M. Role of autumn conditions on creation of winter forms of spring vetch (*Vicia sativa*). (Bu) Rastenievudni Nauk. 2(8):13-25. Ref. 1965. 64.8 R18
English summary.
- 15824 WILD, A., and OKE, O. L. Organic phosphate compounds in calcium chloride extracts of soils: identification and availability to plants. J. Soil Sci. 17(2):356-371. Ref. Sept. 1966. 56.8 J823
Uptake and growth of clover.
- 15825 GOMYO, T., and NAKAMURA, M. Biosynthesis of raffinose from uridine diphosphate galactose and sucrose by an enzyme preparation of immature soybeans. Agr. Biol. Chem. 30(4):425-427. Apr. 1966. 385 Ag8B
- 15826 JONES, R. L., and PHILLIPS, I. D. J. Organs of gibberellin synthesis in light-crown sunflower plants. Plant Physiol. 41(8):1381-1386. Ref. Oct. 1966. 450 P692
Biochemical study of gibberellic acid.
- 15827 KEY, J. L. Effect of purine and pyrimidine analogues on growth and RNA metabolism in the soybean hypocotyl: the selective action of 5-fluorouracil. Plant Physiol. 41(8):1257-1264. Ref. Oct. 1966. 450 P692
- 15828 EL SAIED, E. A. K. The influence of planting shelled and unshelled seeds on seedling emergence of groundnut (*Arachis hypogaea* L.). Acta Agron. [Budapest] 15(3/4):409-412. 1966. 19 Ac3
- 15829 SCHREIER, Growth substance injuries of winter rape. (Ge) Pflanzenarzt 19(5):62-63. May 1, 1966. 464.9 P482
Possible effect of herbicides.
- 15830 SPIES, J. R., and BARRON, J. K. The chemistry of allergens. XVIII. An analysis of CB-1A from castor beans. Ann. Allergy 24(9):499-502. Ref. Sept. 1966. 448.8 An72
- 15831 SPIROVA, M. On pollination and fertilization of some sunflower lines. (Bu) Rastenievudni Nauk. 3(2):3-11. 1966. 64.8 R18
English summary.
- 15832 WALLER, G. R., and others. The pyridine nucleotide cycle and its role in the biosynthesis of ricinine by *Ricinus communis* L. J. Biol. Chem. 241(19):4411-4418. Ref. Oct. 10, 1966. 381 J824
K. S. Yang, R. K. Gholson, L. A. Hadwiger, and S. Shaykin, joint authors.

Physiology and Biochemistry - Sugar Crops

- 15833 AGNIHOTRI, C. B. Lodging of sugar cane. Indian J. Agron. 10(3):319-325. Ref. Sept. 1965. 22 In235
- 15834 BORMOTOV, V. E., MATOSHKO, I. V., and SEVCHENKO, V. K. Influence of polyploidy on the change of the content in some chemical compounds in the pollen of sugarbeet. Acta Agron. [Budapest] 15(3/4):311-319. Ref. 1966. 19 Ac8
- 15835 GOODIN, J. R., HOOVER, R. M., and WORKER, G. F. High temperature effects on sugar beet germination in Imperial Valley. Calif. Agr. 20(8):14-15. Aug. 1966. 100 C12Cag
Includes varieties.
- 15836 GUBARE, G., KREICBERGS, O., and KRIST-KALNE, S. Effect of mineral nutrition level on photosynthetic activity of plants in the process of yield formation. (Rus) Latv. PSR Zinat. Akad. Vestis 7:53-64. Ref. 1966. 511 R442
English summary.
Sugar beets.
- 15837 HATCH, M. D., and SLACK, C. R. Photosynthesis by sugar-cane leaves. Biochem. J. 101(1):103-111. Ref. Oct. 1966. 382 B52
- 15838 HUMBERT, R. P. Potash improves sugarcane quality. Sugar J. 29(3):26-28. 1966. 65.8 So8
Includes sugar beets.
- 15839 KATAN, R., and AVIGAD, G. NADP dependent oxidation of TDP-glucose by an enzyme system from sugar beets. Biochem. Biophys. Res. Commun. 24(1):18-24. Ref. July 6, 1966. 442.8 B5236
- 15840 KESSLER, K. J. Growth and development of mycorrhizae of sugar maple (*Acer saccharum* Marsh.). Can. J. Bot. 44(10):1413-1425. Ref. Oct. 1966. 470 C16C
- 15841 PAKOV, I. Investigations on sugar beet root system development as dependent on basic soil tillage and fertilization under irrigation conditions. (Bu) Rastenievudni Nauk. 2(10):67-79. 1965. 64.8 R18
English summary.
- 15842 PAKOV, I., and LAZAROV, R. Role of various kinds of roots in water supply of sugar beets. (Bu) Rastenievudni Nauk. 2(12):23-31. 1965. 64.8 R18
English summary.
- 15843 WATSON, D. J., and others. Changes with age in the photosynthetic and respiratory components of the net assimilation rates of sugar beet and wheat. New Phytol. 65(4):500-508. Oct. 1966. 450 N42
J. H. Wilson, M. A. Ford, and S. A. W. French, joint authors.

Physiology and Biochemistry - Oil Crops

Physiology and Biochemistry - Tobacco

- 15844 ANDERSON, J. W., and ROWAN, K. S. Activity of aminoacyl-transfer-ribonucleic acid synthetases in tobacco-leaf tissue in relation to senescence and to the action of 6-furfurylaminopurine. *Biochem. J.* 101(1):15-18, Oct. 1966. 382 B52
- 15845 ANDERSON, J. W., and ROWAN, K. S. The extraction and assay of aminoacyl-transfer-ribonucleic acid synthetases of tobacco leaf. *Biochem. J.* 101(1):9-14, Ref. Oct. 1966. 382 B52
- 15846 GEORGIEV, S. Nicotinic acid in some Bulgarian tobacco varieties. (Bu) *Bulg. Tyutyun* 1:33-35. 1965. 69.8 B872
- 15847 HUNG, C. K., HSIAO, C. C., and HSIEH, S. C. A preliminary study of seed germination and sprout growth of tobacco. (Ch) *Tso Wu Hsueh Pao* 4(4):344-352. Nov. 1965. 64.8 T78
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 47:63-64. Mar. 2, 1966.
[JPRS 34,362; TT 66-30802] 241.7 Un34C
Issued by CFTI.
- 15848 IL'IN, G. S., and LOVKOVA, M. YA. Participation of nicotine in the nitrogen metabolism of *Nicotiana tabacum* L. (Rus) *Biohimiya* 31(1):174-181, Ref. Jan./Feb. 1966. 385 B523
English summary.
- 15849 KASPERBAUER, M. J., and REINERT, R. A. Biological detection of phytochrome in callus tissue of *Nicotiana tabacum* L. *Nature [London]* 211(5050):744-745, Aug. 13, 1966. 472 N21
- 15850 KOELLE, G. Nicotine conversion in tobacco; a contribution to the mode of action of genes acting in the same direction. (Ge) *Z. Pflanzenzucht*, 55(4):375-382, July 1966. 450 Z36
English summary.
- 15851 MEHTA, B. V., DANGARWALA, R. T., and PATEL, K. P. Role of some environmental factors on the chemical composition of Bidi tobacco. *Indian J. Agron.* 10(3):253-260, Ref. Sept. 1965. 22 In235
- 15852 NOGUCHI, M., KOIWA, A., and TAMAKI, E. Studies on tobacco metabolism in tobacco plants. VII. α -pyrroline-5-carboxylate reductase from tobacco leaves. *Agr. Biol. Chem.* 30(5):452-456, Ref. May 1966. 385 AgB9
- 15853 POPIVANOV, I. Development, yield and quality of irrigated tobacco as influenced by the transplanting date. (Bu) *Rastenievudni Nauk.* 3(5):79-88, 1966. 64.8 R18
English summary.
- 15854 WEIS, J. S. Effect of oxindoles on the growth of tobacco tissue cultures. *Nature [London]* 211(5054):1216-1217, Sept. 10, 1966. 472 N2f
- 15855 ZLATEV, G. Comparative analysis of consumption of water of non-irrigated Oriental types of tobacco *Dzhebel-Basma* and *Bashi-Bah*. (Bu) *Rastenievudni Nauk.* 3(1):45-58, Ref. 1966. 64.8 R18
English summary.

Physiology and Biochemistry of Horticultural Crops

- 15856 KAL'NII, V. S. Nature of the anti-radiation action of inert gases and low-molecular narcotics. 3. The effect of nitrogen at high pressure on chromosome adherence after irradiation of the infiltrated bean seedlings. (Rus) *Tsitologiya* 7(5):657-659, Ref. Sept./Oct. 1965. 442.8 T78
English summary.
Broadbeans.

Physiology and Biochemistry - Fruit Crops

- 15857 BOGIN, E., and WALLACE, A. Organic acid synthesis in lemon fruits. *Calif. Agr.* 20(8):10-11, Aug. 1966. 100 C12Cag
- 15858 CAHOON, G. A., and STOLZY, L. H. Cultural practices change citrus root systems. *Calif. Citrogr.* 51(11):463-466, Ref. Sept. 1966. 80 C125
Physiological aspects of irrigation and fertilizers.

- 15859 COGGINS, C. W., and others. Gibberellin research with citrus. *Calif. Agr.* 20(7):12-13, July 1966. 100 C12Cag
H. Z. Hield, R. M. Burns, I. L. Eaks, and L. N. Lewis, joint authors.
Gibberellic acid.
- 15860 CONSTANTINESCO, G., and POPA, V. Study of the relations between the grapevine and physical factors; Rumanian report. (Fr) *Office Int. Vigne Vin. Bull.* 39(425/426):826-842, map. July/Aug. 1966. 390.8 B87
- 15861 DALBRO, S. Pollination of fruit. (Da) *Erhvervsfrugtavlere* 33(10):396-398, (Cont.) Oct. 1, 1966. 80 Er3
- 15862 DENNIS, F. G., and BENNETT, H. O. Gibberellin increases runner production of Geneva strawberry. *Farm Res. [N. Y. Sta.]* 32(1):12-13, Apr./June 1966. 100 N48A
- 15863 DENNIS, F. G., and NITTSCH, J. P. Identification of gibberellins A₄ and A₇ in immature apple seeds. *Nature [London]* 211(5050):781-782, Ref. Aug. 13, 1966. 472 N21
- 15864 FAZINIC, N. The effect of radiation and mutagenic substances on the vegetative potential of grape rootstocks. (Se) *Agron. Glas.* 15(7/8):501-508, 1965. 21.5 Ag84
French summary.
- 15865 FERNQVIST, I. Physiology of fruit trees. (Sw) *Fruktdalaren* 37(5/6):118-121, June 1966. 86 Sv2f
- 15866 GAPIINDASHVILI, G. V. Effects of erosion on development of roots of grapes. (Rus) *Sadovodstvo* 9:27, Sept. 1966. 80 Sa13
- 15867 GEVORKYAN, A. M. Regeneration of grape shrubs injured by fall and spring frost, winter cold and hail under conditions of the Ararat plain. (Rus) *Arm. N.-I. In-t Vinogradarstva, Vinodeliya i Plodovodstva* 6/7:183-208. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 16:43-44, Aug. 1965. Film S-202
- 15868 HEGEDUS, A. Maturity examination of European grape vine canes. (Hu) *Kiserletugyi Kozlemenyek* 58/C(2):123-146. 1965, pub. 1966. 105.9 H89
English summary.
- 15869 HORVATH, S. Root system of grape and soil cultivation. (Hu) *Kerteszet Szolesz.* 15(13):6-8, July 1966. 80 K474
In relation to fertilizer application.
- 15870 HUSSEIN, F. Physiological studies of pears during their growth and storage. (Ge) *Arzt. Gartenbau* 14(2/3):129-182, 1966. 80 Ar2
Excerpt from thesis.
English summary.
Bibliography, p. 174-182.
Includes ripening.
- 15871 JACKSON, D. I., and COOMBE, B. G. Gibberellin-like substances in the developing apricot fruit. *Science* 154(3746):277-278, Oct. 14, 1966. 470 Sci2
- 15872 JULLIARD, B. Kinetics of rhizocaine migration in grape cuttings (*Vitis vinifera* L.). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(3):257-259, July 18, 1966. 505 P21
- 15873 KOBAYASHI, A., and others. On the effects of day length on the growth and flower bud formation of grapes. *Kyoto Univ. Res. Inst. Food Sci. Mem.* 27:15-27, Ref. July 1966. 389.9 K99
A. Sugira, H. Watanabe, and H. Yamamura, joint authors.
- 15874 KU, L. L., and ROMANI, R. J. Ribosomes from pear fruit. *Science* 154(3747):408-409, Oct. 21, 1966. 470 Sci2
- 15875 LEKSAN, M. What causes the cracking of apples. (Si) *Soc. Kmetijstvo Gozdarstvo* 16(18):454-455, Dec. 1965. 21.5 So14
Physiological diseases.
- 15876 LIDER, L. A., and EINSELT, J. Improving berry and cluster size of seedless New York grapes. *Farm Res. [N. Y. Sta.]* 31(4):10-11, Jan./Mar. 1966. 100 N48A
- 15877 MAXIE, E. C., and others. Studies on radiation-induced ethylene production by lemon fruits. *Radiat. Bot.* 6(5):445-455, Ref. Oct. 1966. 450 R11
H. L. Rae, I. L. Eaks, and N. F. Sommer, joint authors.
Gamma rays.

- 158978 MEAGHER, W. R. Plant regulator determination: determination of 2,4-dichlorophenoxyacetic acid and 2-(2,4,5-trichlorophenoxy) propionic acid in citrus by electron capture gas chromatography. *J. Agr. Food Chem.* 14 (4):374-377. July/Aug. 1966. 381 J8223 Metabolism.
- 158979 MIKHAILOV, M. V., and ZHULAVSKAYA, M. N. Some characteristics of apricot metabolism. (Rus) *In* Vopr. fisiol. zimoostok. i zasukho-toich. plodovyykh i vinogradu 1965:34-40. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 16:41. Aug. 1965. Film S-202
- 158980 NESTEROV, J. S. The effect of increased moisture on the course of the resting period in fruit. (Rus) *Akad. Nauk SSSR. Dokl.* 169(5): 1212-1215. 1966. 511 P444A
- 158981 NEUBAUER, S. The effect of irrigation on the vegetative and generative development of apples. (Ge) *Obshtau [Berlin]* 6(2):21-22. Feb. 1966. 60 Ob79
- 158982 NUTSUBIDZE, N. N., and DAVITASHVILI, N. A. Effects of the fertilizer foliar application on content of amino acids in grapes. (Rus) *Akad. Nauk Gruz. SSR. Soobshch.* 43 (3):627-628. Ref. Sept. 1966. 511 Ak146
- 158983 OBLAK, M. Pre-harvest dropping of black currants. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17 (7):160-161. May 1966. 21.5 Sol4
Physiological causes.
- 158984 PIENIAZEK, J., and JANKIEWICZ, L. S. Development of collateral buds due to benzylaminopurine in dormant apple shoots. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(3):185-187. 1966. 512 W262
- 158985 RADONENKO, A. YA. Double fertilization in the apple tree. (Rus) *Akad. Nauk SSSR. Dokl.* 168:1208-1211. Ref. 1966. 511 P444A
- 158986 REICHARDT, A., and YAP, F. Application of the anthrone test in the determination of rings of foreign rootstocks. (Ge) Weinberg Keller 12(1):21-24. Jan. 1965. 95.8 W435
Includes determination of the contents of carbohydrates, sugars and water in grape rootstocks.
- 158987 RICHMOND, A., and BIALE, J. B. Protein and nucleic acid metabolism in fruits. I. Studies of amino acid incorporation during the climacteric rise in respiration of the avocado. *Plant Physiol.* 41(6):1247-1253. Ref. Oct. 1966. 450 P692
- 158988 RODRIGUES, J., and SUBRAMANYAM, H. Effect of preharvest spray of plant growth regulators on size, composition and storage behavior of Coorg mandarins (*Citrus reticulata* (Blanco)). *J. Sci. Food Agr.* 17(9):425-427. Sept. 1966. 382 Sol2
- 158989 ROSIK, J., and others. A polysaccharide from the wild cherry tree gum (*Prunus avium* L. subsp. *avium*). *Collect Czech. Chem. Commun.* 31(8):3353-3361. Ref. Aug. 1966. 385 C68
V. Zitko, S. Bauer, and J. Kubala, joint authors.
- 158990 SCHUMACHER, R., and FANKHAUSER, F. Susceptibility to frost and regeneration possibilities of apple and pear trees. (Ge) *Schweiz. Landwirt. Forsch.* 5(5):268-302. Ref. 1966. 17 Sch99
English summary.
- 158991 SEPTON, H. H., and RICHTMYER, N. K. The isolation of D-erythro-L-galacto-nonulose from the avocado, together with its synthesis and proof of structure through reduction to D-arabino-D-manno-nonitol and D-arabino-D-glucan-nonitol. *Carbohydr. Res.* 2(4):289-300. Ref. Aug. 1966. 385 C172
- 158992 SKENE, D. S. The distribution of growth and cell division in the fruit of Cox's Orange Pippin. *Ann. Bot. (n.s.)* 30(119):493-512. Ref. July 1966. 450 An7
Physiological study.
- 158993 SPARKS, D., and LARSEN, R. P. Effect of nitrogen on the fruit soluble solids of Concord grapes. *Vitis labrusca* L. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):506-513. Ref. May 1966. 100 M58S
- 158994 STOLZY, L. H., HARDING, R. B., and BRANSON, R. L. Foliar absorption of boron in sprinkler-irrigated citrus. *Calif. Agr.* 20(6): 6-7. June 1966. 100 C12Cag
Valencia oranges.
- 158995 TEN'KOVTSOVA, E. S. Biology of pollination of lemon plants under conditions of Central Asia. (Rus) *Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kult.* Subtrop. Kult. 3:109-112. 1965. 68.19 M28
English summary.
- 158996 WOOD, G. W., COLLINS, W. B., and BARKER, W. G. Observations on the parthenocarpic response of blueberry to gibberellic acid. *Nature [London]* 211(5051):864. Aug. 20, 1966. 472 N21

Physiology and Biochemistry - Nuts

- 158997 SHCHIPANOVA, I. A. A contribution to the biology of *Pistacia mutica* Fisch. et Mey. (Rus) *Bot. Zhur. [Moscow]* 51(6):1135-1140. Ref. Aug. 1966. 451 R923
- 158998 TSITSVIDZE, A. T. Secondary flowering of European chestnut (*Castanea sativa* Mill.) on the Black Sea coast of Adzharia. (Rus) *Bot. Zhur. [Moscow]* 51(6):1161-1163. Aug. 1966. 451 R923

Physiology and Biochemistry - Shade Trees and Ornamental Plants

- 158999 ATANASOV, ZH. Study on root system distribution in Damask rose bush (*Rosa damascena* Mill.) in diluvial-meadow and leached Chestnut forest soils. (Bu) *Rasteniyevodni Nauk.* 2(7): 101-108. 1965. 64.8 R18
English summary.
- 159000 BAYER, E., and others. Formation of compounds and flower color. (Ge) *Angew. Chem.* 78(18/19):834-841. Ref. Sept. 21, 1966. 384 Z33
H. Egeter, A. Fink, K. Nether, and K. Wegmann, joint authors.
- 159001 BEGBIE, R., and RICHTMYER, N. K. The isolation of some heptoses, heptuloses, octuloses, and nonuloses from *Primula officinalis* Jacq. *Carbohydr. Res.* 2(4):272-288. Ref. Aug. 1966. 385 C172
- 159002 BLOK, I. Chemical soil sterilization. (Du) *Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb.* 1965:83-86. 1966. 86 B65
Effects on growth of shrubs.
- 159003 CASO, O. H., MONTALDI, E. R., and LEWIN, I. J. Efecto del acido giberelico sobre el crecimiento y la morfologia foliar de *Passiflora caerulea* L. [Effect of gibberellic acid on the growth and foliar morphology of *Passiflora caerulea* L.]. *Rev. Invest. Agropecuar. Ser. 2, Biol. Prod. Veg.* 3(1), 15 p. Ref. 1966. 9 R3232
- 159004 DEMETRADZE, T. YA. Effect of stimulators on the development of roots in hard-rooting subtropical tree species. (Rus) *Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kult.* Subtrop. Kult. 3:161-167. Ref. 1965. 68.19 M28
English summary.
- 159005 ELK, B. C. M. VAN. Bud formation through spraying. (Du) *Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb.* 1965:133-137. 1966. 86 B65
Effects of B9 on Azalea and Hydrangea.
- 159006 GEORGIEVA, Y. D. Study with fluorescent microscopy of DNA in embryo sac of *Lilium*. (Fr) *Bulgarska Akad. Nauk. Dokl.* 19(5):425-428. Ref. 1966. 512 S02
- 159007 HALIC, V. A., CHRISTENSEN, O. V., and REHNSTROM, F. Regulation of flowering of *Begonia x cheimanthia*. (Da) *Tidsskr. Plan-teavl* 70(2):171-178. 1966. 11 T439
English summary.
Effects of short-day treatment and temperature.

- 15908 HILDRUM, H. Effects of temperature on growth and flowering of *Cineraria* (*Senecio cruentus* L'her). (No) Gartneryrkt 56(37): 850-851. Sept. 9, 1966. 80 G1938
- 15909 KARVE, A. D., and JIGAJINNI, S. G. Leaf movements of *Portulaca grandiflora* under different photoperiods. *Z. Pflanzenphysiol.* 54(4):270-274. Mar. 1966. 450 Z32
- 15910 MASCARENHAS, J. P. The distribution of ionic calcium in the tissues of the gymnocium of *Antirrhinum majus*. *Protoplasma* 62(1):53-58. Ref. 1966. 442.8 P94
- 15911 REHNSTROM, F. The growth substance content of dormant and of non-dormant *Freesia corms*. Denmark. Vet.-Landbohøjsk. Arsskr., 1966:148-156. Ref. 104 D41A
- 15912 SANTAMOUR, F. S. The anthocyanin of *Chaenactis* corymbosa. *Morris Arboretum Bull.* 17(3):50. Sept. 1966. 451 P383
- 15913 SMITH, S. E. Physiology and ecology of orchid mycorrhizal fungi with reference to seedling nutrition. *New Phytol.* 65(4):488-499. Ref. Oct. 1966. 450 N42
- 15914 ZOLGOVICH, G. Investigations on catalase and peroxidase activities in *Kazanki* rose flower (*Rosa damascena* Mill.). (Bu) *Rastenievudni Nauk.* 2(9):83-87. Ref. 1965. 64.8 R18
English summary.
- Physiology and Biochemistry - Vegetable and Truck Crops
- 15915 ABELES, F. B., and HOLM, R. E. Enhancement of RNA synthesis, protein synthesis, and abscission by ethylene. *Plant Physiol.* 41(8): 1337-1342. Ref. Oct. 1966. 450 P692
Beans.
- 15916 ABUKHARMA, D. A., and WOOLHOUSE, H. W. The preparation and properties of omicron-diphenol: oxygen oxidoreductase from potato tubers. *New Phytol.* 65(4):477-487. Ref. Oct. 1966. 450 N42
Polyphenol oxidase.
- 15917 AKSENOVA, V. A., KSHIVANSKI, Z. I., and RUBIN, B. A. Activity of NAD-H₂ cytochrome-C-reductase in cabbage tissues, both intact and infected with *Botrytis cinerea*. (Rus) *Akad. Nauk SSSR. Dokl.* 168:951-954. Ref. 1966. 511 P444A
- 15918 ANDERSON, J. M., FORK, D. C., and AMESZ, J. P. 700 and cytochrome f in particles obtained by digitonin fragmentation of spinach chloroplasts. *Biochem. Biophys. Res. Commun.* 23(6): 874-879. Ref. June 21, 1966. 442.8 B5236
- 15919 BANERJI, D., and LALORAYA, M. M. Uncoupling of auxin-induced protein synthesis and water uptake by kinetin. *Nature [London]* 211 (5050):758-759. Aug. 13, 1966. 472 N21
Observed in peas.
- 15920 BARTELS, C. T., and DEENEN, L. L. M. VAN. The conversion of isophosphoglycerides by homogenates of spinach leaves. *Biochim. Biophys. Acta* 125(2):395-397. Oct. 3, 1966. 381 B522
- 15921 BERIDZE, T. G., and others. The role of inhibitors of the synthesis of DNA on chlorophyll formation. (Rus) *Akad. Nauk SSSR. Dokl.* 169(2):466-468. Ref. 1966. 511 P444A
M. S. Odintsova, N. A. Cherkashina, and N. M. Sisakyan, joint authors.
- 15922 BIRECKA, H., and ZEBROWSKI, Z. Influence of (2-chloroethyl) trimethylammonium chloride (CCC) on photosynthetic activity and frost resistance of tomato plants. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(5):367-373. Ref. 1966. 512 W262
- 15923 BLEUMINK, E., BERRINS, L., and YOUNG, E. Studies on the atopic allergen in ripe tomato fruits. I. *Int. Arch. Allergy Appl. Immunol.* 30(2):132-145. Ref. 1966. 448.8 I8
- 15924 BOARDMAN, N. K., THORNE, S. W., and ANDERSON, J. M. Fluorescence properties of particles obtained by digitonin fragmentation of spinach chloroplasts. *Nat. Acad. Sci. Proc.* 56(2):586-593. Ref. Aug. 15, 1966. 500 N21P
- 15925 BOLLAG, J. M., and GALUN, E. Distribution of labelled indolyl-3-acetic acid in intact cucumber plants. *Nature [London]* 211(5049):647-648. Aug. 6, 1966. 472 N21
- 15926 BORKOWSKI, J. Effect of alpha-naphthylacetic acid and of 2, 3, 5-triiodobenzoic acid upon yields of open ground cucumbers. (Pol) *Rocz. Nauk Roln.* 91-A-2:223-234. Ref. 1966. 20.5 R59
English summary.
- 15927 BROOKS, J. L., and STUMPF, P. K. Fat metabolism in higher plants. XXXIX. Properties of a soluble fatty acid synthesizing system from lettuce chloroplasts. *Arch. Biochem. Biophys.* 116(1/3):108-116. Ref. Sept. 26, 1966. 381 Ar2
- 15928 CHOSH, H. P., and PREISS, J. Adenosine diphosphate glucose pyrophosphorylase, a regulatory enzyme in the biosynthesis of starch in spinach leaf chloroplasts. *J. Biol. Chem.* 241 (19):4491-4504. Ref. Oct. 10, 1966. 381 J824
- 15929 CIBES, H. R., and ADSUAR, J. Effects of chloroethanol and thiourea on the germination and relative yield of the yam (*Dioscorea alata*) L. *P. R. Univ. J. Agr.* 50(3):201-208. July 1966. 8 P832J
- 15930 CROFTS, A. R. Uptake of ammonium ion by chloroplasts, and the mechanism of amine uncoupling. *Biochem. Biophys. Res. Commun.* 24 (1):127-134. Ref. July 6, 1966. 442.8 B5236
Spinach.
- 15931 CRONENBERGER, L., VILLE, R., and PACHECO, H. Partial purification of the "auxin-oxidases" of roots of *Pisum sativum*. (Fr) *Soc. Chim. Biol. Bull.* 48(6):833-836. Ref. 1966. 383 S0
- 15932 CROSSETT, R. N., and LOUGHMAN, B. C. The absorption and translocation of phosphorus by seedlings of *Hordeum vulgare* (L). *New Phytol.* 65(4):459-468. Ref. Oct. 1966. 450 N42
Radioactive phosphorus.
- 15933 DAVIES, J. N. Changes in the non-volatile organic acids of tomato fruit during ripening. *J. Sci. Food Agr.* 17(9):396-400. Ref. Sept. 1966. 382 S02
- 15934 DAVIES, J. N. The non-volatile organic acids of the differently coloured areas of the walls of "blotchy" ripened tomatoes. *J. Sci. Food Agr.* 17(9):400-403. Ref. Sept. 1966. 382 S02
- 15935 DAVYDOVA, V. N. On the interrelations of zinc and vitamins in the metabolism of plants. (Rus) *Bot. Zhur. [Moscow]* 51(9):1303-1308. Ref. Sept. 1966. 451 R923
Tomatoes.
- 15936 DE VILLIERS, J. B. M., and LAKER, M. C. The effect of pre-applied lime and zinc on the uptake of phosphorus by sweet corn. (Af) *S. Afr. J. Agr. Sci.* 9(1):107-115. Ref. Mar. 1966. 24 Su3
English summary.
- 15937 DIMITROV, S. Studies on the increase in the basic root mass of the Samokovski potato variety. (Bu) *Rastenievudni Nauk.* 2(1):133-137. 1965. 64.8 R18
English summary.
- 15938 FAM, C. C., and SYTINSKII, I. A. Quantitative determination of sugars in various varieties of sweetpotatoes. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 1:87-90. Ref. 1965. 442.9 L542V
English summary.
- 15939 FAN, D. F., and MACLACHLAN, G. A. Control of cellulase activity by indoleacetic acid. *Can. J. Bot.* 44(8):1025-1034. Ref. Aug. 1966. 470 C16C
In peas.
- 15940 FEKETE, M. A. R. DE. Interaction of amyloplasts with enzymes. I. Phosphorylase adsorption on amyloplasts in *Vicia faba*. *Arch. Biochem. Biophys.* 116(1/3):368-374. Ref. Sept. 26, 1966. 381 Ar2
- 15941 FLETCHER, R. A., and OSBORNE, D. J. A simple bioassay for gibberellic acid. *Nature [London]* 211(5050):743-744. Aug. 13, 1966. 472 N21
In *Taraxacum officinale*.
- 15942 FRYDMAN, R. B., and CARDINI, C. E. Studies on the biosynthesis of starch. I. Isolation and properties of the soluble adenosine diphosphate glucose: starch glucosyltransferase of *Solanum tuberosum*. *Arch. Biochem. Biophys.* 116(1/3): 9-18. Ref. Sept. 26, 1966. 381 Ar2

- 15943 GAFF, D. F. The sulphhydryl-disulphide hypothesis in relation to desiccation injury of cabbage leaves. *Australian J. Biol. Sci.* 19(2):291-299. Ref. Apr.1966. 442.8 Au72
- 15944 GAPINSKI, M. Intake of phosphorus P-32 by roots and leaves of tomatoes. (Pol) *Rocz. Nauk Roln.* 91-A-2:329-335. 1966. 20.5 R59 English summary.
- 15945 GEORGIEV, T. Studies on the dynamics of tuber formation and yields of fourteen potato varieties grown as irrigated post harvest crops in the Ruse area. (Bu) *Rastenievudni Nauk.* 2(12):11-21. Ref. 1965. 64.8 R18 English summary.
- 15946 GIBSON, J. F., and others. The iron complex in spinach ferredoxin. *Nat. Acad. Sci. Proc.* 56(3):987-990. Ref. Sept.15,1966. 500 N21P D. O. Hall, J. H. M. Thornley, and F. R. Whately, joint authors.
- 15947 GREEN, G. C., and TILLEMA, J. E. Minimum temperature survey in relation to winter vegetable experimentation at Barberton. *S. Afr. J. Agr. Sci.* 9(1):137-151. Mar.1966. 24 Su3
- 15948 GUNTHER, R. L., and SCOTT, B. I. Effect of temperature on bioelectric oscillations of bean roots. *Nature [London]* 211(5052):967-968. Aug.27,1966. 472 N21
- 15949 HEINZE, H. Statistical verification of results of the potato zodiac test. (Ge) *Lebendige Erde* 3:112-115. May/June 1966. 18 L49 Physiology.
- 15950 HUGHES, J. C., and MAPSON, L. W. Biochemical studies. *Food Trade Rev.* 36(9):43-49. Sept.1966. 389.8 F7334 Potatol plant biochemistry with reference to discoloration of the final products.
- 15951 IVANOVA, T. I., and SEMIKHATOVA, O. A. Effect of freezing on the oxydative phosphorylation of mitochondria in pea seedlings. (Rus) *Bot. Zhur. [Moscow]* 51(9):1266-1275. Ref. Sept.1966. 451 R923 English summary.
- 15952 JEFFES, R. A., and NORTHCOLE, D. H. Experimental induction of vascular tissue in an undifferentiated plant callus. *Biochem. J.* 101(1):146-152. Ref. Oct.1966. 382 B52 Use of indoleacetic acid and sucrose on beans.
- 15953 JONES, O. T. G. A protein-protoclorophyll complex obtained from inner seed coats of *Cucurbita pepo*. *Biochem. J.* 101(1):153-160. Ref. Oct.1966. 382 B52
- 15954 JOTWANI, M. G., and YADAV, T. D. Effect of some common fumigants on the germinability of vegetable seeds. I. *Indian J. Entomol.* 27(4):472-475. Dec.1965. 420 In23 Ethylene dichloride, carbon tetrachloride, and carbon disulphide.
- 15955 KAGAN, Z. S., KRETOVICH, V. L., and POLYAKOV, V. A. Valine dehydrogenase activity of pea seedlings. (Rus) *Biokhimiya* 31(2):355-364. Ref. Mar./Apr.1966. 385 B523 English summary.
- 15956 KAMYNNINA, L. M. Effect of minor elements on yield and quality of peas on leached Chernozem. (Rus) *Agrokhiimiya* 10:123-127. Oct. 1965. 385 Ag89 Treatment of seeds.
- 15957 KERESZTES, A., and FRIDVALSZKY, L. Examination of the effect of glutaric aldehyde fixation on the epidermis cells of onion. *Acta Agron. [Budapest]* 15(3/4):436-440. Ref. 1966. 19 Ac8
- 15958 KLINCARE, A., and KLINCARE, J. Effect of boron and molybdenum on symbiosis of peas and nodule bacteria. (La) *Latv. PSR Zinat. Akad. Vestis* 8:108-114. Ref. 1965. 511 R442 Russian summary.
- 15959 KOLATTUKUDY, P. E. The thin wax film of leaves. *Frontiers Plant Sci. [Conn. Sta.]* 18(2):6-7. May 1966. 100 F92 Broccoli.
- 15960 KOYAMA, M., and OBATA, Y. Isolation and structure of gamma-L-glutamyl-L-beta-phenyl-beta-alanine, a new gamma-glutamyl peptide from *Phaseolus angularis* W. F. Wright (Azuki bean). *Agr. Biol. Chem.* 30(5):472-477. Ref. May 1966. 385 Ag8B
- 15961 KUZIN, A. M., KOPYLOV, V. A., and MEL'NIKOVA, S. K. Effect of ionizing radiation on metabolism of phenol compounds in plants. (Rus) *Radiobiologiya* 5(1):35-39. Ref. 1965. 442.8 R11 Potatoes.
- 15962 KWIATKOWSKA-LESKA, L. The influence of gibbercol on the forming of male flowers on cucumbers MSU 713-5. (Pol) *Rocz. Nauk Roln.* 91-A-2:409-420. Ref. 1966. 20.5 R59 English summary.
- 15963 LALOVA, M. Effect of certain factors on the translocation of 2,4-D in plants. (Bu) *Rastenievudni Nauk.* 2(1):153-158. Ref. 1965. 64.8 R18 English summary. Beans and corn.
- 15964 LAVINTMAN, N. The formation of branched glucans in sweet corn. *Arch. Biochem. Biophys.* 116(1/3):1-8. Ref. Sept.26,1966. 381 Ar2
- 15965 LINDBLOM, H. Treatment with gibberellin and size of tubers. (Sw) *Sveriges Potatisodlare Riksförbund. Potatis* 1966:57-58. 75.8 Sv2 Potatoes.
- 15966 LINGLE, J. C. Nitrogen in relation to tomato quality. *Calif. Agr.* 20(8):4-5. Aug.1966. 100 C12Cag
- 15967 MAKAROV, N. M. Effect of chronic irradiation on peas and vetch. (Rus) *Radiobiologiya* 5(1):152-155. 1965. 442.8 R11 Physiological effects of gamma rays.
- 15968 MARGULIES, M. M. Concerning the preparation of chloroplasts active in Hill and photosynthetic phosphorylation activities from leaves of *Phaseolus vulgaris*. *Plant Physiol.* 41(8):1320-1322. Ref. Oct.1966. 450 P692
- 15969 MICHNA, M. Forming some chemical components in several red pepper varieties of foreign origin, depending on fruit ripeness degree. (Pol) *Rocz. Nauk Roln.* 91-A-2:421-428. Ref. 1966. 20.5 R59 English summary.
- 15970 MITEV, D. Effect of some vernalization methods of planting material on quantity and quality of yield of early potatoes in the Sofia Region. (Bu) *Rastenievudni Nauk.* 3(6):95-101. 1966. 64.8 R18 French summary.
- 15971 MORRIS, R. O. Changes in pea root proteins associated with tissue differentiation: the effect of 2,4-dichlorophenoxyacetic acid. *Biochim. Biophys. Acta* 127(1):273-276. Sept.26, 1966. 381 B522
- 15972 MULLER, K. Proteins and the carbohydrate synthesis in potatoes as induced by different dosage of potassium absorbed in the period of plant vegetation. (Ge) *Kartoffelbau* 16(1):8-10. Ref. Jan.1965. 75.8 K145
- 15973 NATH, R. L., and DAS, I. Influence of structure of alkyl groups on the hydrolysis of some mono-alkyl phosphates by acid phosphatase from *Dolichos lablab*. *Enzymologia* 28(1):32-48. Ref. Nov.30,1964. 390.08 En9
- 15974 NECAS, J. The effect of decrease in soil moisture on the osmotic values of cell sap in the individual organs of the potato plant. *Symp. Water Stress Plants. Proc.* 1963:50-59. 1965. QK873.89
- 15975 NEIRINCKX, L. J. A. Interactions anioniques dans l'absorption du calcium par le tissu de la racine de carotte (*Daucus carota* L.) [Anionic interactions in the absorption of calcium by the tissue of the roots of carrot (*Daucus carota* L.). Brussels. Univ. Ann. *Physiol. Veg.* 10(4):85-107. 1965. 451 B833
- 15976 NICHIFORESCO, E. Variation of o, dihydroxyphenol derivatives of caffeic acid type of artichokes (*Cynara scolymus* L.) during its growing period. (Fr) *Ann. Pharm. Franc.* 24(6):451-456. June 1966. 396.8 An7
- 15977 OJEHOMON, O. O. The development of flower primordia of *Phaseolus vulgaris* (L.) Savi. *Ann. Bot. (n.s.)* 30(119):487-492. July 1966. 450 An7
- 15978 PANIGRAHI, B. M., and AUDUS, L. J. Apical dominance in *Vicia faba*. *Ann. Bot. (n.s.)* 30(119):457-473. Ref. July 1966. 450 An7 Auxin mechanism.

- 15979 PETRASH, I. P., and METLITSKII, L. V. Effect of gamma irradiation on changes of respiration processes in plant tissues. (Rus) Akad. Nauk SSSR. Dokl. 170(3):711-713. Ref. 1966. 511 P444A
Tomatoes.
- 15980 PILET, P. E. The action of kinetin on the growth of roots of Lens. (Fr) Schweiz. Bot. Ges. Ber. 75:41-53. Ref. 1965, pub. 1966. 451 Sch9
English summary.
- 15981 SACHS, T. Senescence of inhibited shoots of peas and apical dominance. Ann. Bot. (n.s.) 30 (119):447-456. Ref. July 1966. 450 An7
- 15982 SCHROTH, M. N., WEINHOLD, A. R., and HAYMAN, D. S. The effect of temperature on quantitative differences in exudates from germinating seeds of bean, pea, and cotton. Can. J. Bot. 44(10):1429-1432. Oct. 1966. 470 C16C
- 15983 SHIMABUKURO, R. H., KADUNCE, R. E., and FREAR, D. S. Herbicide metabolism: dealkylation of atrazine in mature pea plants. J. Agr. Food Chem. 14(4):392-395. Ref. July/Aug. 1966. 381 J8223
- 15984 SKAPSKI, H. The influence of temperature of growth, variety and nitrogen fertilization on the earliness and quality of cauliflower curds. (Pol) Roczn. Nauk Roln. 91-A-2:469-491. 1966. 20.5 R59
English summary.
- 15985 SMITH, H., and FRANKLAND, B. Specific inhibition by uracil derivatives of the mechanism of dormancy release in light-sensitive lettuce seeds. Nature [London] 211(5055):1323-1324. Sept. 17, 1966. 472 N21
Thiouracil, 5-fluorouracil, and 5-bromouracil.
- 15986 SOKOLOWSKA, J. Length of the period from the field work beginning to the harvest of late cabbage in Poland. (Pol) Roczn. Nauk Roln. 91-A-2:493-506, map. Ref. 1966. 20.5 R59
English summary.
Growth period.
- 15987 STADELMANN, E. J., and WATTENDORFF, J. Plasmolysis and permeability of alpha-irradiated epidermal cells of *Allium cepa* L. Protoplasma 62(1):86-116. Ref. 1966. 442.8 P94
- 15988 STEVENINCK, R. F. M. Some metabolic implications of the Tris [tris(hydroxymethyl)aminomethane] effect in beetroot tissue. Australian J. Biol. Sci. 19(2):271-281. Ref. Apr. 1966. 442.8 Au72
- 15989 SVETAILLO, E. N., FILIPPOVICH, I. I., and SISAKYAN, N. M. Sedimentation properties of chloroplast ribosomes and of the cytoplasm of pea shoots. (Rus) Akad. Nauk SSSR. Dokl. 170 (1):206-208. Ref. 1966. 511 P444A
- 15990 TAL, M. Abnormal stomatal behavior in wilted mutants of tomato. Plant Physiol. 41(8):1387-1391. Ref. Oct. 1966. 450 P692
Plant-water relations study.
- 15991 THOMPSON, J. F., and GERING, R. K. Biosynthesis of S-methyl cysteine in radish leaves. Plant Physiol. 41(8):1301-1307. Ref. Oct. 1966. 450 P692
- 15992 THUN, M. Silica spraying comparison in a zodiac planting with potatoes (Grata) 1965. (Ge) Lebendige Erde 3:110-112. May/June 1966. 18 L49
Physiology of potatoes planted at the various signs of the zodiac.
- 15993 THUN, M. Zodiac research with beans. (Ge) Lebendige Erde 2:58-59. Mar./Apr. 1966. 18 L49
Growth and yields from plantings made under the twelve signs of the zodiac.
- 15994 TISHEL, M., and MAZELIS, M. Enzymatic degradation of L-cystine by cytoplasmic particles from cabbage leaves. Nature [London] 211 (5050):745-746. Aug. 13, 1966. 472 N21
- 15995 TSUJIMOTO, H. Y., MCSWAIN, B. D., and ARNON, D. I. Differential effects of desaspidin on photosynthetic phosphorylation. Plant Physiol. 41(8):1376-1380. Oct. 1966. 450 P692
Spinach chloroplasts studied.
- 15996 UZORIN, E. K., and KUZIN, A. M. Study of optical properties of natural chlorophyll of plant leaves after gamma-irradiation of *Pisum sativum* seeds. (Rus) Radiobiologiya 5(1):119-125. Ref. 1965. 442.8 R11
- 15997 VAKLINOVA, S., and TSENOVA, E. N. Biosynthesis of alanine and glutamic acid in isolated chloroplasts. Bulgarska Akad. Nauk. Dokl. 19(3):209-212. Ref. 1966. 512 So2
Spinach and broadbeans.
- 15998 VILLEMEZ, C. L., SWANSON, A. L., and HAS-SID, W. Z. Properties of a polygalacturonic acid-synthesizing enzyme system from *Phaseolus aureus* seedlings. Arch. Biochem. Biophys. 116(1/3):446-452. Sept. 26, 1966. 381 Ar2
- 15999 VOROB'eva, L. M., and KRASNOVSKII, A. A. The effect of disaggregating agents upon the formation of chlorophyllide and the properties of chlorophyll in chloroplasts and homogenates of green leaves. (Rus) Biokhimiya 31(3):573-584. Ref. May/June 1966. 385 B523
English summary.
Beans and sugar beets.
- 16000 VULCHEV, P. Possibilities to improve germination of potato seeds in breeding work and in genetic investigations. (Bu) Rastenievudni Nauk. 2(5):69-76. Ref. 1965. 64.8 R18
English summary.
Seed treatment.
- 16001 WONG, E., and MOUSTAFA, E. Flavanone biosynthesis. Tetrahedron Lett. 29:3021-3022. July 1966. 385 T29
In soybean seedlings.
- 16002 WOOLHOUSE, H. W., and HARDWICK, K. The growth of tomato seedlings in relation to the form of the nitrogen supply. New Phytol. 65 (4):518-525. Ref. Oct. 1966. 450 N42
Cultured in nutrient solution.
- 16003 ZINK, F. W. Celery growth and nutrient absorption studies. Calif. Agr. 20(7):10. July 1966. 100 C12Cag

Physiology and Biochemistry of Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)

- 16004 ADEISHVILI, N. I. Daily changes of the pigment content in tea leaf plastids. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult. Subtrop. Kult. 3:53-58. Ref. 1965. 68.19 M23
English summary.
- 16005 ALVIM, P. DE T. Factors affecting flowering of the cocoa tree. Cocoa Growers' Bull. 7:15-19. Summer 1966. 68.38 C642
Weather.
- 16006 BROWN, B. R., BROWN, P. E., and PIKE, W. T. The leaf tannin of willow-herb (*Chamaenerion angustifolium* (L.) Scop.). Biochem. J. 100(3):733-738. Ref. Sept. 1966. 382 B52
- 16007 CHEN, S. S. C., and THIMANN, K. V. Nature of seed dormancy in *Phacelia tanacetifolia*. Science 153(3743):1537-1539. Sept. 23, 1966. 470 Sci2
- 16008 DANOS, B., KRICSFALUSSY, M., and ZARAN-DY, K. Data on the volatile oil content of the organs of *Asarum europaeum* L. Acta Agron. [Budapest] 15(3/4):421-426. Ref. 1966. 19 Ac8
- 16009 GUSEINOV, P. K., and AGALAROVA, Z. B. Effect of mineral nutrition on phosphorus exchange, yield, and green leaves quality of tea plant. (Rus) Agrokhiimiya 10:42-49. Oct. 1965. 385 Ag89
- 16010 GUSEVA, A. R., and PASESHNICHENKO, V. A. Study of essential oil alcohol biosynthesis from *Rosa damascena* Mill x *R. gallica* L. (Rus) Biokhimiya 31(5):988-996. Ref. Sept./Oct. 1966. 385 B523
English summary.
- 16011 HELLYER, R. O., LASSAK, E. V., and MC-KERN, H. H. G. The volatile oils of the genus *Eucalyptus* (family Myrtaceae). V. The leaf oil of *Eucalyptus aggregata* Deane & Maiden. Australian J. Chem. 19(9):1765-1767. Sept. 1966. 475 Au73

- 16012 MATHE, L., and PRECSENYI, I. Changing of vincamine agent in Vinca minor L. according to region and the year of growth. Acta Agron. [Budapest] 15(3/4):273-283. Ref. 1966. 19 Ac8
- 16013 PARIS, R., and others. Study of the Mannich method modified by Fischer for the weight determination of morphine: application to selected poppies harvested in 1964 and 1965. (Fr) Ann. Pharm. Franc. 24(6):411-417. June 1966. 396.8 An7
G. Faugeras, L. Balard, and M. Capmal, joint authors.
- 16014 PITMAN, M. G. Uptake of potassium and sodium by seedlings of Sinapis alba. Australian J. Biol. Sci. 19(2):257-269. Apr. 1966. 442.8 Au72
- 16015 REES, D. A., and STEELE, I. W. Polysaccharides in germination; physical characterization of the pectic araban of white mustard cotyledons. Biochemistry 5(10):3108-3110. Ref. Oct. 1966. 381 B523
- 16016 REES, D. A., and RICHARDSON, N. G. Polysaccharides in germination; occurrence, fine structure, and possible biological role of the pectic araban in white mustard cotyledons. Biochemistry 5(10):3099-3107. Ref. Oct. 1966. 381 B523
- 16017 REZNIK, H., and WIERMANN, R. Quercetin and camphor oil in the thallus tissues of Corsinia coriandrina. (Ge) Naturwissenschaften 53(9):230. May 1, 1966. 474 N213
- 16018 SCHOPFER, P., and MOHR, H. The effect of phytochrome and actinomycin D on the growth of the hypocotyl of mustard seedlings (Sinapis alba L.). (Ge) Naturwissenschaften 53(9):231. May 1, 1966. 474 N213
- 16019 SEELY, M. K., CRIDDLE, R. S., and CONN, E. E. The metabolism of aromatic compounds in higher plants. VIII. J. Biol. Chem. 241(19):4457-4462. Ref. Oct. 10, 1966. 381 J824
- 16020 SZENTPETERY, R. G., and others. Light-microscopic studies on volatile oil excretion in Valeriana collina Wallr. I. Acta Agron. [Budapest] 15(3/4):321-334. Ref. 1966. 19 Ac8
S. Sarkany, L. Fridvalsky, and J. Nagy, joint authors.
- Physiology and Biochemistry of Forest Trees
- 16021 ADAMS, H. R., and CAMP, B. J. The isolation and identification of three alkaloids from Acacia berlandieri. Toxicon 4(2):85-90. Ref. Aug. 1966. 391.8 T66
- 16022 BAKER, H. G. Volatile growth inhibitors produced by Eucalyptus globulus. Madrono 18(7):207-210. July 1966. 450 M26
- 16023 BEDNAREK, A. Tentative distinction and climatological characterization of the phenological vegetative phases at Bialowieza. (Pol) Sylwan 110(6):39-46. 1966. 99.8 Sy52
English summary.
Trees.
- 16024 CHING, T. M. Compositional changes of Douglas fir seeds during germination. Plant Physiol. 41(8):1313-1319. Ref. Oct. 1966. 450 P692
- 16025 CLARK, J., and BONGA, J. M. The effect of beta-inhibitor from balsam fir on the growth of Avena in bioassays. Forest Sci. 12(3):319-324. Ref. Sept. 1966. 99.8 F7632
Extracted from the bark of Abies balsamea.
- 16026 FORTIN, J. A. Synthesis of mycorrhizae on explants of the root hypocotyl of Pinus sylvestris L. Can. J. Bot. 44(8):1087-1092. Ref. Aug. 1966. 470 C16C
- 16027 GODZIK, S., and PISKORNIK, Z. Transpiration of Aesculus hippocastanum L. leaves from areas of various air pollution. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(3):181-184. 1966. 512 W262
- 16028 HYGÉN, G. Water stress in conifers during winter. Symp. Water Stress Plants. Proc. 1963:89-98. 1965. QK873.S9
Includes discussion.
- 16029 ILAN, A. S. Influence of heat and dehydration on germination of pine. (He) La-Yaaran 16(1):20-26. Ref. Mar. 1966. 99.9 So19
English summary, p.47.
- 16030 KAUL, R. N., and MANOHAR, M. S. Germination studies on arid zone tree seeds. I. Acacia senegal Willd. Indian Forest. 92(8):499-503. Aug. 1966. 99.8 In2
- 16031 KING, H. G. C. Leucoanthocyanins from the leaves of European larch (Larix decidua, Mill). Nature [London] 211(5052):944-945. Ref. Aug. 27, 1966. 472 N21
- 16032 KONDRATEVA-MELVILLE, E. A. The influence exerted by leaf and bud on the development of stem structure in year-old seedlings of the European maple Acer platanoides L. (Rus) Bot. Zhur. [Moscow] 51(3):372-381. Ref. Mar. 1966. 451 R923
English summary.
- 16033 LAATSCH, W. The relations between the state of nutrition and the growth of some Pinus halepensis plantations in Spain. (Sp) An. Edafol. Agrobiol. 25(3/4):205-229. Ref. Mar./Apr. 1966. 506 Sp12
English summary.
- 16034 LESHEM, B. The annual activity of intermediary roots of Aleppo pine. (He) La-Yaaran 16(1):27-34. Ref. Mar. 1966. 99.9 So19
English summary, p.47-46.
- 16035 MASHINKSII, A. L. Mineral nutrition of pine and birch in pure and mixed stands. (Rus) Agrokhimiya 10:93-103. Oct. 1965. 385 Ag89
- 16036 POLSTER, H. The influence of soil drought on the vitality of forest plants. Symp. Water Stress Plants. Proc. 1963:228-237. 1965. QK873.S9
Trees.
Includes discussion.
- 16037 ROW, L. R., and others. Crystalline constituents of Euphorbiaceae. V. New lignans from Phyllanthus niruri Linn.—the constitution of phyllanthin. Tetrahedron 22(8):2899-2908. Aug. 1966. 382 T29
C. Srinivasulu, M. Smith, and G. S. R. S. Rao, joint authors.
Isolated from the leaves.
- 16038 SCHEUMANN, W. Serial studies on the hydration of forest plants. Symp. Water Stress. Plants. Proc. 1963:99-107. 1965. QK873.S9
Chiefly trees.
Includes discussion.
- 16039 SCHUBERT, J. Problems of the production of forest trees and influencing biological factors to achieve effective growth of seedlings. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1533-1542. 1965. 509 D81
The effect of seed treatment on the growth.
- 16040 SNOW, D. W. A possible selective factor in the evolution of fruiting seasons in tropical forest. Oikos 15(2):274-281. 1966. 410 O14
In the species Miconia in Trinidad.
- 16041 UHLIG, S. K. On the effect of chloro-bis-ethyl-amino-triazine (simazine) on the formation of ectotrophic mycorrhiza in Picea abies L. Karsten and Pinus sylvestris L. (Ge) Arch. Forstwesen 15(4):463-464. 1966. 99.8 Ar22
- 16042 ULUBELEN, A., CALDWELL, M. E., and COLE, J. R. Phytochemical investigation of Abies concolor. J. Pharm. Sci. 55(11):1308-1310. Nov. 1966. 396.8 J825
- 16043 VERACION, V. P. Correlation of the size of seeds to the germination and early growth of Benguet pine (Pinus insularis, Endl.). Philippines. Bur. Forest. Occas. Pap. 26, 7 p. June 1966. 99.9 P5350
- 16044 VOGL, M. Experimental research on poplar leaves, concerning leaf fall and autumn retrogression. (Ge) Arch. Forstwesen 15(5/6):641-651. Ref. 1966. 99.8 Ar22
English summary.
- 16045 WARD, W. W. Epicormic branching of black [Quercus velutina] and white [Quercus alba] oaks. Forest Sci. 12(3):290-296. Ref. Sept. 1966. 99.8 F7632
- 16046 WODZICKI, T. The role of growth regulators in a process of differentiations of annual growth rings. (Pol) Sylwan 109(5):35-43. Ref. 1965. 99.8 Sy52
Hormones.

- 16047 YODA, K., and others. Estimation of the total amount of respiration in wood organs of trees and forest communities. Osaka City Univ. J. Biol. 16:15-26. Ref. Dec.1965. 442.8 Os1
K. Shinozaki, H. Ogawa, K. Hozumi, and T. Kira, joint authors.
- 16049 ZVIRGZDS, A., KNAPE, D., and SVARA, A. Winter transpiration of woody plants in light and in shadow. (Rus) Latv. PSR Zinat. Akad. Vestis 7:65-73. Ref. 1966. 511 R442
German summary.

AGRONOMY (FIELD CROPS)

- 16049 HOWARD, H. W. Crops and plant breeding. Roy. Agr. Soc. Engl. J. 126:136-153. 1965. 10 R81
Review of the literature.
Sugar beets, vegetables, and forage crops.
- 16050 JANSSON, L. Production organization and fertility trends. (Sw) Malmöhus Lans Hushallningssällsk. Kvartalsskr. 4:343-351. 1965. 11 M29
Chiefly crop rotation.
- 16051 KONNECKE, G. Fruchtfolgegestaltung unter den Bedingungen industriemässiger Produktion und der Entwicklung von Kooperationsbeziehungen [Establishment of crop rotations under conditions of industrial production and the development of cooperative relations]. Deut. Akad. Landwirtschaftswiss. Sitzungsber. 15(3), 24 p. 1966. 18 D4825
English summary.
- 16052 KULESHOV, M. M. Tasks and methods in plant research. (Uk) Visnyk Sil's'hohospodar. Nauk. 8:3-9. Aug.1965. 20 V82
Field crops.
- 16053 MAISURYAN, N. A. D. N. Pryanishnikov—the outstanding plant grower of the USSR. (Rus) Agrokhiimiya 11:52-57. Nov.1965. 385 Ag89
Chiefly field crops.
- 16054 MEXICO, INSTITUTO NACIONAL DE INVESTIGACIONES AGRICOLAS, CENTRO DE INVESTIGACIONES AGRICOLAS DE EL BAJIO. Principales cultivos en el region de El Bajio [Principal crops in the region of El Bajio]. Ed. 2. Cent. Invest. Agr. Bajio. Circ. CIAB 7,35 p. June 1966. 8 C382
Culture of field and horticultural crops.
- 16055 MHALYFALVY, I. Plant producing value of various crop rotation types. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(3/4):243-258. Ref. 1966. 19 B855
German summary.
- 16056 NAIDIN, P. G. D. N. Pryanishnikov and the methods of intensification of Soviet agriculture. (Rus) Agrokhiimiya 11:34-41. Nov.1965. 385 Ag89
By crop rotation and use of fertilizers.
- 16057 NELDER, J. A. Inverse polynomials, a useful group of multi-factor response functions. Biometrics 22(1):128-141. Mar.1966. 442.8 B5224
Agronomy.
- 16058 NERPIN, S. V., and REVUT, I. B. New possibilities in agronomic physics. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 7:35-44. July
English summary.
Equipment.
- 16059 NIKOLOV, I. Criticism of the methods of planning field tests with preceding crops and mutual tolerance and self tolerance of field crops. (Bu) Rastenievudni Nauk. 3(4):119-124. 1966. 64.8 R18
- 16060 SHANIN, I. Effectiveness of analysis of variance in Latin square and Latin rectangle methods. (Bu) Rastenievudni Nauk. 2(12):41-59. 1965. 64.8 R18
English summary.
Applied to field experiments.
- 16061 SHANIN, I. On the question of comparative basis in the evaluation of field test results. (Bu) Rastenievudni Nauk. 3(2):35-48. Ref. 1966. 64.8 R18
English summary.
Statistical methods used.
- 16062 SOKOLOV, A. V. D. N. Pryanishnikov and the development of agronomy and agrochemistry in the USSR. (Rus) Agrokhiimiya 11:27-33. Nov. 1965. 385 Ag89
- 16063 THRAN, P. On the variations in agroclimate in Europe. (Ge) Stichting Med. Graan-Cent. Meded. 16:21-41. 1965. 59.9 St52M
- 16064 TILEY, G. E. D. The effects of the grass ley on arable crops with special reference to the elephant grass areas of Uganda. Sols Afr. 10 (2/3):409-411. Ref. May/Dec.1965. 56.8 So4
Text also in French, p.413-415.
- 16065 TOURTE, R. Reflections on rotations; the example of the peanut-millet zone of Senegal. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:91-108. 1966. 26 F84B
English summary.
- 16066 TOURTE, R., and others. Summary of a four-year rotation on regenerated soil of Senegal. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:109-148. 1966. 26 F84B
P. Vidal, L. Jacquinet, J. Fauche, and R. Nicou, joint authors.
English summary.
With peanuts and millet.
- 16067 WEIBULL, W., AB. Weibulls arsbok for vaxtforädlad och vaxtodling [Weibull's yearbook for plant breeding and culture], 1966. 62 p. 61.9 W42W

Cereals

- 16068 ASTADZHOV, N. Role of alien pollen in the selection of new self-pollinated corn lines. (Bu) Rastenievudni Nauk. 3(6):3-13. Ref. 1966. 64.8 R18
English summary.
- 16069 BAEVA, R. Study of crossbreeding of wheat and rye and characteristics of their hybrids. (Bu) Rastenievudni Nauk. 2(5):11-24. Ref. 1965. 64.8 R18
German summary.
- 16070 BAEVA, R. Study of selectivity during fertilization process in rye in connection with heterosis manifestation. (Bu) Rastenievudni Nauk. 2(7):13-19. 1965. 64.8 R18
German summary.
- 16071 BELAK, S. The structure of plant production and crop rotation. (Hu) Magyar Mezogazdasag 21(37):8-9. Sept.14,1966. 19 M27
Chiefly on relation of grain culture and crop rotation.
- 16072 BOGDAN, I. Three-hundred years old wheat seed in the State Archives. (Hu) Agrartortetneti Szemle 7(2/3):249-252, map. Ref. 1965. 19 Ag85
German summary.
- 16073 BONEY, M. Study on two-phase harvesting of Ohio C-92 and Wisconsin 641-AA corn hybrids grown in Sofia irrigation region. (Bu) Rastenievudni Nauk. 3(1):27-44. Ref. 1966. 64.8 R18
English summary.
- 16074 BONO, M., and LECLEERCQ, P. Methods of varietal improvement of millets and sorghums used at the CRA Bambe. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:151-170. 1966. 26 F84B
English summary.
- 16075 BORGES, J. B. Sorghum. (Por) Gaz. Agr. Angola 11(8):1278-1279, 1304. Aug.1966. 24 G252
Varieties.
- 16076 BORSANYI, B. Winter barley or forage wheat? (Hu) Magyar Mezogazdasag 21(42):9. Oct.19, 1966. 19 M27
Culture.
- 16077 BOWERS, W. Harvest corn for yield and quality. Hoard's Dairyman 111(20):1220. Oct.25, 1966. 44.8 H65
- 16078 BRUINSMA, J. Analysis of growth, development and yield in a spacing experiment with winter rye (Secale cereale L.). Neth. J. Agr. Sci. 14(3):198-214. Ref. Aug.1966. 12 N3892

- 16079 DANKOV, T. Attempt on early determination of general combinability of inbred corn lines. (Bu) Rastenievudni Nauk. 2(12):3-10. Ref. 1965. 64.8 R18.
English summary.
- 16080 DELONE, L. M., and RABYNOVYCH, S. V. World resources of winter wheat and their use for creation of new varieties. (Uk) Vysnyk Sil's'kohospodar. Nauk. 4:38-43. Apr. 1965. 20 V82.
Russian summary.
- 16081 DENMARK, STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Trials with barley varieties. (Da) Tidsskr. Planteavl 70(2):283-284. 1966. 11 T439
- 16082 DOROFEEV, V. F. Valuable varieties of wheat selected especially for cultivation on the irrigated soils. (Rus) Selekt. Semenovodstvo 5:45-48. Sept./Oct. 1966. 61.9 Se5
- 16083 ELEMA, H. M. The rural straw making demonstration at Wilhelmadorp. (Du) Loonbedrijf Land- Tuinbouw 19(8):667,669. Aug. 1966. 283.8 L87
Harvesting.
- 16084 EUROPESE GRAANDAG, UTRECHT, 1965. Graan en graanonderzoek in Europees verband; verslag [Grain and grain research in the European community: report of the European Grain Day]. Stichting Ned. Graan-Cent. Meded. 16, 82 p. 1965. 59.9 St52M
- 16085 FAJERSSON, F. Spring wheat varieties on the Swedish market. (Sw) Weibulls Arsbok 1966: 2-5. 61.9 W42W
- 16086 FEEKES, W. European aspects of grain research. (Du) Stichting Ned. Graan-Cent. Meded. 16:59-77. 1965. 59.9 St52M
Comments by: F. E. Nijdam, p. 78-79.
- 16087 GASANENKO, A. YA. Growing elite seeds under irrigated conditions. (Rus) Selekt. Semenovodstvo 5:23-26. Sept./Oct. 1966. 61.9 Se5
Wheat.
- 16088 GESHELE, E. E. Breeding disease resistant wheat variety. (Rus) Selekt. Semenovodstvo 5: 34-36. Sept./Oct. 1966. 61.9 Se5
- 16089 GIACANELLI, E. Hard wheats resistant to blanching. (It) G. Agr. 76(39):415. Sept. 25, 1966. 16 H1G
New varieties not affected by frosts.
- 16090 HEARD, T. G. A review of 1965-66 wheat variety trials. S. Australia J. Agr. 69(12):446-451, map. July 1966. 23 So84
- 16091 HORBERG, Y. Weibull's Original Arla barley. (Sw) Weibulls Arsbok 1966:48-49. 61.9 W42W
- 16092 IVCHENCO, M. P. Effect of soil cultivation and fertilizers on protein and gluten content in winter wheat. (Uk) Vysnyk Sil's'kohospodar. Nauk. 8:39-42. Aug. 1965. 20 V82
Russian summary.
- 16093 KANOJE, S. L., and KHARE, A. G. Varietal trials on wheat in the Chambal Valley. Indian J. Agron. 10(3):299-301. Sept. 1965. 22 In235
- 16094 KAZAKOVA, K., and ASTADZHOV, N. Corn planting in widely spaced strips. (Bu) Rastenievudni Nauk. 2(10):119-127. 1965. 64.8 R18
English summary.
- 16095 KHOD'KOV, L. E. New awnless varieties of barley. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:66-72. Ref. 1965. 442.9 L542V
English summary.
- 16096 KISS, A. A new trend in the breeding of Triticale. (Ge) Z. Pflanzenzucht. 55(4):309-329. Ref. July 1966. 450 Z36
English summary.
Includes polyploidy.
- 16097 KOBELEV, YU. K., and DYGA, P. P. Improving typical characteristics of self-pollinated corn lines selecting cobs according to color. (Uk) Vysnyk Sil's'kohospodar. Nauk. 4:50-53. Apr. 1965. 20 V82
Russian summary.
- 16098 KOLEV, D. Study of culture of distributed in Bulgaria winter wheat varieties as grown under the conditions of Plovdiv Region. (Bu) Rastenievudni Nauk. 3(2):79-90. 1966. 64.8 R18
English summary.
- 16099 KOPECKY, O. H. CE I, a new corn hybrid for silage in colder rape and potato regions. (Cz) Za Vysokou Urodu 14(6):283-284. Aug. 1966. 64.8 Z12
- 16100 KOPECKY, O. H. CE IV, a further addition to the Czechoslovak assortment of corn. (Cz) Za Vysokou Urodu 14(6):284-285. Aug. 1966. 64.8 Z12
Hybrid.
- 16101 KOSHELENKO, O. YU. Structure of yields of Kiev catch crop rye variety grown for seeds. (Uk) Vysnyk Sil's'kohospodar. Nauk. 7:76-79. July 1965. 20 V82
Russian summary.
- 16102 LAGADINOVA-STAIKOVA, E., and SALCHEVA, G. A study of crossability and nature of the form-producing process between soft winter wheat (*Triticum aestivum*) and Triticale (2n=56). (Bu) Rastenievudni Nauk. 2(5):25-40. Ref. 1965. 64.8 R18
English summary.
- 16103 LUHOVSKA, K. YA., and VALOVNENKO, D. K. Effect of lupine on nutrition and yields of winter grain. (Uk) Vysnyk Sil's'kohospodar. Nauk. 8:49. Aug. 1965. 20 V82
Russian summary.
Interplanting.
- 16104 MACWILLIAM, H. R. Agway offers 18 varieties of seed corn for 1967. Agway Coop. 2(10): 10-11. Oct. 1966. 280.28 Ag9
Chiefly hybrids.
- 16105 MACWILLIAM, H. R. Small grains for fall planting. Agway Coop. 2(9):6-7. Sept. 1966. 280.28 Ag9
Includes varieties.
- 16106 MAIJANI, C. What varieties of wheat to plant? (It) G. Agr. 76(41):436. Oct. 9, 1966. 16 H1G
- 16107 MANDY, GY. Winter wheat Fertoldi 293. Acta Agron. [Budapest] 15(3/4):415-416. 1966. 19 Ac8
- 16108 MANWILLER, A., and others. Performance of corn hybrids in South Carolina. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 53, 13 p. Apr. 1966. 56.9 S38
E. B. Eskew, J. A. Durant, and V. M. Kirk, joint authors.
- 16109 MARINOV, M. Corn hybrids and varieties comparatively tested under conditions of the Danube flood land. (Bu) Rastenievudni Nauk. 3(6):25-32. Ref. 1966. 64.8 R18
English summary.
- 16110 MARROT, R. French rice culture. (Fr) Inform. Doc. Agr. 19(22):2-7, 9-11, map. Nov. 15, 1965. 14 In32
- 16111 MARTYNOVYCH, M. M., and MARTYNOVYCH, L. I. Effects of crops to precede winter wheat grown in the northwest forest-steppe zone of Ukraine on its yields. (Uk) Vysnyk Sil's'kohospodar. Nauk. 8:32-39. Aug. 1965. 20 V82
Russian summary.
- 16112 MEINX, R., and HRON, R. Ergebnisse der Wintergetreide-Sortenversuche 1965/66 [Results of the winter grain variety trials 1965/66]. Vienna. Bundesanst. Pflanzenbau Samenprüfung. Mitt. Versuchsergeb. 134, 44 p. Aug. 1966. 64.9 V87
Barley, rye, and wheat.
- 16113 MEKHANDZHIEV, A. Varietal testing of soft winter wheat under irrigation. (Bu) Rastenievudni Nauk. 3(5):67-78. Ref. 1966. 64.8 R18
German summary.
- 16114 MIHALYFALVY, I. Evaluation of various crop rotations with rice on the grounds of 15 years' results. (Hu) Növénytermelés 16(3):197-216. Ref. Aug. 1966. 64.8 N76
English summary.
- 16115 NOULARD, L., and VANDAM, J. B. "Ardenne", a new variety of spelt. (Fr) Rev. Agr. [Brussels] 19(7/8):781-787. July/Aug. 1966. 13 R322
- 16116 PANDE, H. K., and RAO, K. S. R. K. S. Effect of different dates of seeding on control of weeds and growth and yield of upland paddy in lateritic soils of West Bengal. Indian J. Agron. 10(1):66-71. Mar. 1965. 22 In235

- 16117 PARDEE, W. D. Will narrow rows pay for you? Amer. Soc. Farm. Managers Rural Appraisers, J. 30(2):9-11. Oct. 1966. 281.8 Am32 Corn planting.
- 16118 PETROV, G., and GOTSOV, K. Results from Bezostaya 1 wheat variety tests in Dobrudja. (Bu) Rastenievudni Nauk. 3(6):15-23. Ref. 1966. 64.8 R18 English summary.
- 16119 PETROV, P., and STEFANOV, T. Study of the biological and industrial properties of some Bulgarian and foreign winter barley varieties. (Bu) Rastenievudni Nauk. 3(4):43-51. Ref. 1966. 64.8 R18 English summary.
- 16120 POLAK, V. Early barley variety Jantar. (Cz) Za Vysokou Urodu 14(7):244-246. July 1966. 64.8 Z12 Tests.
- 16121 POLLHAMER, E. Mutation experiments with summer barley. V. Breeding and production value of the mutants of the variety MFB 104. (Hu) Novenytermeles 16(3):217-226. Ref. Aug. 1966. 64.8 N76 English summary.
- 16122 RACHINSKI, T. Biological and commercial properties of certain Italian wheat varieties, tested under conditions prevalent in North-West Bulgaria. (Bu) Rastenievudni Nauk. 2(1):45-55. Ref. 1965. 64.8 R18 English summary.
- 16123 RACHINSKI, T. New wheat forms developed through selection within the variety No. 301. (Bu) Rastenievudni Nauk. 3(3):23-34. 1966. 64.8 R18 English summary.
- 16124 RACHINSKI, T. Study on the biological and industrial properties and combinability of the native wheat No. 234. (Bu) Rastenievudni Nauk. 3(4):3-15. Ref. 1966. 64.8 R18 English summary.
- 16125 SAMOLEVS'KYL, I. YA. Quality of the best sorts of winter wheat and means of their improvement. (Uk) Visnyk Sil'skohospodar. Nauk. 5:20-25. May 1965. 20 V82 Russian summary. Effects of agricultural practices on protein content and quality.
- 16126 SCHMIDT, J. Choice of varieties of winter grain. (Cz) Za Vysokou Urodu 14(8):290-291. Aug. 1966. 64.8 Z12 Tests.
- 16127 SEVOV, A. Results of tests with foreign double crossed corn hybrids. (Bu) Rastenievudni Nauk. 3(4):17-24. 1966. 64.8 R18 English summary.
- 16128 SHANIN, Y. On the size of plots in field experiments with grain crops under row sowing method. (Bu) Rastenievudni Nauk. 2(1):63-74. Ref. 1965. 64.8 R18 English summary. Wheat.
- 16129 SHANK, D. B., BEATTY, D. W., and NAGEL, C. M. SD 230, a new corn hybrid. S. Dak. Farm Home Res. 17(2):13. Spring 1966. 100 So82S
- 16130 SHUBECK, F. E., and NELSON, L. A. Corn; row spacing, oriented planting, tillering. S. Dak. Farm. Home Res. 17(3):4-5. Summer 1966. 100 So82S
- 16131 SILC, J. Tests of selected varieties of winter barley in 1964/1965. (SI) Soc. Kmetijstvo Gozdarstvo 16(18):444-446. Dec. 1965. 21.5 So14
- 16132 SILC, J. Tests with winter wheat varieties under ecological conditions of 1964-1965. (SI) Soc. Kmetijstvo Gozdarstvo 17(1):18-19. Jan. 15, 1966. 21.5 So14
- 16133 STANEVA, B. Agrobotanical characteristics of the Gladkoosilest-1 (1835) barley variety. (Bu) Rastenievudni Nauk. 3(5):119-122. 1966. 64.8 R18 English summary.
- 16134 SVENSSON, G., and LAGERSTROM, G. Determination of sprouting resistance of wheat, barley and oats. (Ge) Agri Hort. Genet. 24(1/2):11-47. Ref. 1966. 64.8 Ag8 English summary. Breeding for resistance.
- 16135 TOMAR, P. S. Comparative performance of American hybrids and improved varieties of maize in Uttar Pradesh. Indian J. Agron. 10(3):361-305. Sept. 1965. 22 In235
- 16136 TORRES, A. B. M. Indications for the production of rice of good industrial and commercial quality; preliminary note. (Por) Gaz. Agr. [Lourenco Marques] 18(202):72-78. Mar. 1966. 24 G25 Mozambique.
- 16137 TOURTE, R., NICOU, R., and BONLIEU, A. Cultural techniques of millets and sorghums in Senegal; possibilities of mechanical culture. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:83-90. 1966. 26 F84B English summary.
- 16138 TOUSSAINT, C. G., and HETTINGA, D. Effects of row spacing and sprinkling irrigation spring wheat on sandy soils. (Du) Landbouwkundig Tijdschr. 78(1):38-43. Ref. Jan. 1966. 105.2 Or3 English summary.
- 16139 TRNKA, M. International experiments with winter rye and oats in the CSSR. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 471:31-42. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Ste Translation from Mezinardni Zemedelsky Casopis 2:17-21. 1966. Issued by CFSTI.
- 16140 TSALOV, I. Study on irrigated domestic and foreign wheat varieties. (Bu) Rastenievudni Nauk. 3(6):69-76. Ref. 1966. 64.8 R18 English summary.
- 16141 VARFOLOMEEVA, A. M., and ARTAMONOV, V. D. Spring wheat variety—the Bezenchuk 98. (Ru) Selekt. Semenovodstvo 5:53-55. Sept./Oct. 1966. 61.9 Se5
- 16142 VULCHANOV, D. Results from the comparative trials of certain double-crossed corn hybrids under irrigation conditions. (Bu) Rastenievudni Nauk. 2(1):75-84. 1965. 64.8 R18 English summary. Chiefly culture.
- 16143 WAGENINGEN, INSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Wintergest [Winter barley], 1966. Wageningen. Inst. Rassenonderzoek Landbougewassen. Ber. Rassenkeuze 389, 3 p. Aug. 1966. 64.9 W12 Varieties.
- 16144 WAGENINGEN, INSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Winterterarwe [Winter wheat], 1966. Wageningen. Inst. Rassenonderzoek Landbougewassen. Ber. Rassenkeuze 390, 6 p. Sept. 1966. 64.9 W12 Varieties.
- 16145 ZAPRYANOV, Z. A new method of sowing cereal seeds for breeding purposes. (Bu) Rastenievudni Nauk. 3(5):111-117. 1966. 64.8 R18 English summary.
- 16146 ZHEKOV, P., and IVANOV, S. Results from test with American grain sorghum hybrids (Sorghum vulgare var. eusorghum Pers.). (Bu) Rastenievudni Nauk. 3(4):59-64. Ref. 1966. 64.8 R18 English summary.
- 16147 ZVOSKOVA, N. S. Hybrids and corn varieties suitable for cultivation on irrigated soils. (Rus) Selekt. Semenovodstvo 5:49-53. Sept./Oct. 1966. 61.9 Se5

Fiber Crops

- 16148 BURLAKOV, M. M. Agrotechnique and productivity of different cotton varieties. (Rus) Khlopkovodstvo 9:31-34. Sept. 1966. 72.8 K522
- 16149 KHLOPOV, K. Variability of certain foreign fiber flax varieties grown in Bulgaria. (Bu) Rastenievudni Nauk. 2(7):21-33. Ref. 1965. 64.8 R18 English summary.
- 16150 CHI, C. Y., SUN, I. M., and WANG, T. P. Jute in Taiwan. Taiwan Sugar 13(1):19-29. Jan./Feb. 1966. 65.8 T133 Culture and industry; includes kenaf.

- 16151 DARGAN, K. S., and SHARMA, R. N. Studies on short term rotations in cotton production. Indian J. Agron. 10(1):61-65. Mar. 1965. 22 In235
- 16152 DOLGOB, B. S. Effect of crops to precede flax on its yields. (Rus) Len Konoplya 10:29-30. 1966. 73.8 L542
- 16153 DZHURAEV, M. More attention to cotton variety 153-F. (Rus) Khlopkovodstvo 9:28-29. Sept. 1966. 72.8 K522
Resistant to *Verticillium dahliae*.
- 16154 IL'ENKO, G. V. Flax in the Bukovina. (Rus) Len Konoplya 10:25-26. 1966. 73.8 L542
- 16155 KAFANOV, G. A. Work of testing plot in breeding new cotton varieties. (Rus) Khlopkovodstvo 9:29-30. Sept. 1966. 72.8 K522
- 16156 LEBEDEV, YA. A., and BOYARCHENKO, M. M. Improving flax quality. (Rus) Len Konoplya 10:27-29. 1966. 73.8 L542
Proper cultivation.
- 16157 MANDY, GY., and BOCSA, I. Data to the ecology of Hungarian hemp varieties. (Hu) Kiserletugyi Kozlemenyek 58(A/1):71-89. 1965, pub. 1966. 105.9 H89
English summary.
- 16159 MINKOV, S. Study of planting date of cotton under the conditions of Sandanski-Petrich Region. (Bu) Rastenievudni Nauk. 2(7):123-131. Ref. 1965. 64.8 R18
English summary.
- 16159 ORABY, F. T. Effect of date of sowing on the yield of kenaf (*Hibiscus cannabinus* L.). Acta Agron. [Budapest] 15(3/4):341-347. Ref. 1966. 19 Ac8
In Egypt.
- 16160 PAK, A., and LEV, V. T. Four-row method for kenaf planting. (Rus) Len Konoplya 10:30-31. 1966. 73.8 L542
- 16161 ROY, B., and JOSEPH, J. Breeding of jute. Jute Bull. 29(4):84-88. Ref. July 1966. 73.38 In2
Variety trials, India.
- 16162 SAVOV, P. Biological and industrial properties of cotton varieties with stocky growth. (Bu) Rastenievudni Nauk. 3(6):47-55. 1966. 64.8 R18
English summary.
- 16163 SAVOV, P. Economic and agrobotanical characteristics of the new cotton varieties Pavliken-ski 48 and Pavliken-ski 73. (Bu) Rastenievudni Nauk. 2(10):3-11. Ref. 1965. 64.8 R18
English summary.
- 16164 SAVOV, P. Variability of cotton hybrids as affected by early planting. (Bu) Rastenievudni Nauk. 2(8):3-12. 1965. 64.8 R18
English summary.
- 16165 VRZALOVA, J., DOUCHA, C., and SPURNY, M. The method of harvesting affects yields and quality of flax seeds. (Cz) Za Vysokou Urodu 14(7):260-261. July 1966. 64.8 Z12
- 16166 YAKOVLEV, D. A., and others. Pelleting trimmed cotton seeds. (Rus) Khlopkovodstvo 9:43-44. Sept. 1966. 72.8 K522
For better germination.
Sh. I. Ibragimov, L. I. Pavlova, K. P. Genkel', and K. E. Ovcharov, joint authors.
- Forage Crops and Grasses**
- 16167 ANDERSON, G. D., and NAVEH, Z. The influence of climate and soil on the productivity of certain promising grasses and legumes in northern Tanzania. Sols Afr. 10(2/3):241-256. Ref. May/Dec. 1965. 56.8 So4
Text also in French, p. 257-272.
- 16168 ARBEITSGEMEINSCHAFT ZUR FORDERUNG DES FUTTERBAUES. Activities of the Working Group on Forage Plant Culture in 1965. (Ge) Arbeitsgemeinschaft. Forderung Futterbaues. Mitt. 66:1-24. 1965. 60.9 Ar1
- 16169 BAEUMER, K. Analytical research on red clover yields. III. (Ge) Z. Acker- Pflanzenbau 124(3):249-260. Aug. 1966. 18 J625
English summary.
Effects of planting and cover crop.
- 16170 BARK, V. Harvesting of clover grown for seeds in mountain areas. (Cz) Za Vysokou Urodu 14(7):266. July 1966. 64.8 Z12
- 16171 BIRIE-HABAS. Performance of fodder species introduced into Casamance. Sols Afr. 10(2/3):435-439. May/Dec. 1965. 56.8 So4
Text also in French, p. 429-433.
Yields and palatability.
- 16172 BLIXT, S., and MOSSBERG, R. Breeding forage-kale; methods for selection at early stages. Agri Hort. Genet. 24(1/2):75-87. 1966. 64.8 Ag3
- 16173 BOGDAN, A. V. Pollination and breeding behaviour in the *Trifolium rupeellianum* complex in Kenya. New Phytol. 65(4):417-422. Oct. 1966. 450 N42
Kenya.
- 16174 CADOT, R. Fodder crop experiments. Sols Afr. 10(2/3):461-470. May/Dec. 1965. 56.8 So4
Text also in French, p. 449-459.
Culture of grasses and legume varieties at the Ivory Coast.
- 16175 CARLSON, J. Culture of westernwolfs rye-grass. (Sw) Weibulls Arsbok 1966:16-19. 61.9 W42W
- 16176 CHERNYAUSKAS, G. Breeding and testing different grass varieties in Holland. (Rus) Selsk. Semenovodstvo 5:56-58. Sept./Oct. 1966. 61.9 Se5
- 16177 DIMITROV, D., and PANAIOTOV, A. Study of some problems related to culture of spring forage pea. (Bu) Rastenievudni Nauk. 3(5):97-104. 1966. 64.8 R18
English summary.
- 16178 DUFFEK, T. Harvesting of late maturing seeds. (Hu) Magyar Mezogazdasag 21(37):22. Sept. 14, 1966. 19 M27
Forage plants, chiefly.
- 16179 FODDER crops and fallows in Dahomey. Sols Afr. 10(2/3):233-240. May/Dec. 1965. 56.8 So4
Text also in French, p. 225-231.
Culture.
- 16180 FOSTER, R. B., MCKAY, H. C., and OWENS, E. W. Regar bromegrass [*Bromus biebersteinii*]. Idaho. Agr. Exp. Sta. Bull. 470, 8 p. Aug. 1966. 100 Id14
- 16181 GRAVA, J., STRAND, O. E., and RANDALL, G. W. A survey of alfalfa fields in Winona County, Minnesota. Minn. Agr. Exp. Sta. Sta. Bull. 485, 16 p., map. Ref. Sept. 1966. 100 M66
- 16182 GROSSLING, B. F. Improving a wretched plain. Amer. Forests 72(11):26-27. Nov. 1966. 99.8 F762
Range management in Patagonia, Chile.
- 16183 HANSMANN, G. The site-directed selection of forage beet varieties. (Ge) Feldwirtschaft 7(2):96-100. Feb. 1966. 18 W763
East Germany.
- 16184 HLYAN'KO, G. A. Growing potatoes as catch crops in the western region of Ukraine. (Uk) Visnyk Sil'skohospodar. Nauk. 5:62-64. May 1965. 20 V82
Russian summary.
For forage.
- 16185 ISHAG, H. M. Fodder crops in the Sudan Gezira. Sols Afr. 10(2/3):441-444. May/Dec. 1965. 56.8 So4
Text also in French, p. 445-448.
Culture.
- 16186 IVANOV, S., and DIMOV, P. Results from testing some new soybean varieties for grain and green cut under dry farming conditions. (Bu) Rastenievudni Nauk. 3(6):77-83. Ref. 1966. 64.8 R18
English summary.
- 16187 JENNES, J. Results of trials with rationed pasture conducted in the Liege herbage region. (Fr) Rev. Agr. [Brussels] 19(7/8):775-780. July/Aug. 1966. 13 R322
Management.
- 16188 KABIS, E. Grassland management in the Cottbus district and proposals for pasture utilization in the Lubben region. (Ge) Feldwirtschaft 7(2):86-88. Feb. 1966. 18 W763

- 16189 KALADZHEVA, S., and KHRISTOV, A. Pure and mixed culture for early green forage. (Bu) *Rastenievudni Nauk.* 3(1):109-125. 1966. 64.8 R18
English summary.
- 16190 KENNERLY, A. B. Does it pay to improve native pastures on rice farms? *Rice J.* 69(10): 25-29. Sept. 1966. 59.8 R36
Texas.
- 16191 KOFAN, I. M. Economic evaluation of forage plant cultures and feeding stuff on collective farms in forest-steppe zone of Ukrainian SSR. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 7:16-21. July 1965. 20 V82
Russian summary.
Includes acreage.
- 16192 KONOVA, L. On the problem of perennial grass mixtures used for meadows and pastures. (Bu) *Rastenievudni Nauk.* 3(6):139-149. 1966. 64.8 R18
English summary.
- 16193 KREBS, O. More milk and meat through higher grassland yields. (Ge) *Feldwirtschaft* 7(5): 231. May 1966. 18 W763
Grassland improvement program in East Germany.
- 16194 LAMPETER, W. Prerequisites for successful new pasture plantings on mineral and lower moor soils. (Ge) *Feldwirtschaft* 7(4):193-195. Apr. 1966. 18 W763
East Germany.
- 16195 LAWTON, R. M. Observations on *Stylosanthes gracilis* and *Glycine javanica* in Zambia. *Sols Afr.* 10(2/3):285-286. May/Dec. 1965. 56.8 So4
Text also in French, p.287-288.
Culture and palatability.
- 16196 LAZAROV, V., NAIDENOV, T., and PETKOV, T. Study on stage of maturity at harvest of the corn hybrids Wisconsin 641-AA and Ohio C-92 for silage. (Bu) *Rastenievudni Nauk.* 3(6):103-110. 1966. 64.8 R18
English summary.
- 16197 MALUSHA, K. V., and ZAMOSTNYI, M. I. Growing high quality broadbeans. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 5:69-71. May 1965. 20 V82
Russian summary.
- 16198 MARINOV, M. Comparative testing of lucerne, red clover and sainfoin grown on the low Danube bank. (Bu) *Rastenievudni Nauk.* 2(12):85-93. Ref. 1965. 64.8 R18
English summary.
Chiefly in relation to yields.
- 16199 MARKO, A. Specializing in the production of alfalfa seeds. (Cz) *Za Vysokou Urodu* 14(7): 267. July 1966. 64.8 Z12
- 16200 MASLINKOV, M. Culture of winter forage peas grown for seeds. (Bu) *Rastenievudni Nauk.* 2(7):133-139. 1965. 64.8 R18
English summary.
- 16201 MASLINKOV, M., BENKOV, B., and TOSHKOV, N. Study on some measures for improvement of alpine pastures of the type *Nardus stricta* L. (Bu) *Rastenievudni Nauk.* 3(6):151-157. 1966. 64.8 R18
English summary.
- 16202 MCCORMICK, J. A. Alfalfa: regrowth under the windrow. *Nev. Ranch Home Rev.* 3(7):6-7. Fall 1966. 60.18 Sci2
- 16203 MCCREERY, R. A., BEATY, E. R., and ROGERS, T. H. Forage production and utilization in Georgia: a chronicle of changes. *J. Soil Water Conserv.* 21(5):182-183. Sept./Oct. 1966. 56.8 J822
- 16204 MEINX, R. Egyptian and Persian clover, two "new" feed plants. (Ge) *Wien. Tierarztl. Monatsschr.* 53(7):479-481. July 1966. 41.8 T345
- 16205 MISKE, I. Application of desiccants to obtain broadbean seed material under conditions of Latvia. (Rus) *Latv. PSR Zinat. Akad. Vestis* 8:60-66. Ref. 1966. 51.1 R442
- 16206 MORLEY, F. H. W. Stability and productivity of pastures. *New Zeal. Soc. Anim. Prod. Proc* 26th Annu. Conf. 8-21. 1966. 49.9 N483
Management, in Australia.
Includes discussion.
- 16207 MUDRY, J. Utilization of possibilities for the culture of grasses for seeds in Czechoslovakia. (Cz) *Za Vysokou Urodu* 14(6):226-227. June 1966. 64.8 Z12
- 16208 MUKULA, J. Preliminary trials with fodder carrots. *Ann. Agr. Fenn.* 5(2):114-121. Ref. 1966. 20 An7
Finland.
- 16209 NAVARRETE, J. A. C. Ranges and forest re-population. (Sp) *Montes* 22(128):169-171. Mar./Apr. 1966. 99.8 M763
- 16210 NAVEH, Z., and ANDERSON, G. D. Some preliminary yields from promising grass/legumes mixtures at Tengeru, Northern Tanzania. *Sols Afr.* 10(2/3):493-399. May/Dec. 1965. 56.8 So4
Text also in French, p.501-508.
- 16211 NIELSEN, H. M., MORTENSEN, G., and PETERSEN, H. L. The effect of selection for high seed setting in lucerne. *Denmark. Vet.-Landbohøjsk. Arsskr.*, 1966:171-193. Ref. 104 D41A
- 16212 NOURRISSAT, P. Effect of mowing data and cutting height on the yield of natural pasture in Senegal. *Sols Afr.* 10(2/3):373-377. May/Dec. 1965. 56.8 So4
Text also in French, p.365-371.
- 16213 NOURRISSAT, P. Pasture fodder plants in Senegal. *Sols Afr.* 10(2/3):423-427. May/Dec. 1965. 56.8 So4
Text also in French, p.417-421.
- 16214 OGBORN, J. E. A. An example of detailed analysis of a forage experiment with a standard computer programme. *Sols Afr.* 10(2/3):349-351. May/Dec. 1965. 56.8 So4
Text also in French, p.353-355.
- 16215 OGBORN, J. E. A. Some effects of zero grazing on forage production. *Sols Afr.* 10(2/3): 337-341. May/Dec. 1965. 56.8 So4
Text in French, p.343-348.
Uganda.
- 16216 OGDEN, R. L., and KEHR, W. R. Alfalfa forage quality begins in the field. *Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home* 13(2):4-5. Summer 1966. 100 N27N
- 16217 OLVEGARD, P. Meadow harvesting data. (Sw) *Skaraborgs Lans Hushallningssallsk. Tidsn.* 2:33-35. Apr. 1966. 11 Sk1
- 16218 ORSI, S. Forage production in Italy; concrete possibilities of improvement. (It) *Ital. Agr.* 103(5):489-511. May 1966. 16 It1
Pasture management, chiefly.
- 16219 PETRAKIEVA, I. Results from a comparative study of different soybean varieties grown in mixtures with corn as silage crops. (Bu) *Rastenievudni Nauk.* 3(3):71-80. Ref. 1966. 64.8 R18
English summary.
- 16220 PETRAKIEVA, I. Study on some biological and morphological properties of various soybean varieties, grown as silage crops. (Bu) *Rastenievudni Nauk.* 3(2):25-34. 1966. 64.8 R18
English summary.
- 16221 PETROV, P. Barley growing in mixtures with wheat. (Bu) *Rastenievudni Nauk.* 3(6):111-119. 1966. 64.8 R18
English summary.
Forage plants.
- 16222 POSA, L. Planting seed production of winter vetch. (Hu) *Magyar Mezogazdasag* 21(42):10-11. Oct. 19, 1966. 19 M27
- 16223 RAKK, I. In the protection of our lucerne areas. (Hu) *Magyar Mezogazdasag* 21(31):8-9. Aug. 3, 1966. 19 M27
Cultivation suggestions.
- 16224 REINBURG, H. J. VAN. Development of planted fallows of short duration to replace long-term bush fallows. *Sols Afr.* 10(2/3):381-384. May/Dec. 1965. 56.8 So4
Text also in French, p.385-389.
Pasture establishment in Zambia.
- 16225 RITCHIE, W. F. Selecting sites for tropical pastures. *Power Farming Australia New Zeal.* Better Farming Dig. 75(9):19, 23. Sept. 1966. 58.8 P87
Australia.
- 16226 ROTH, D. Proposals for the improvement of planting mixtures for permanent pastures in the Gera district. (Ge) *Feldwirtschaft* 7(4): 196-197. Apr. 1966. 18 W763

- 16227 RUDOLPH, W. Silage corn pays! (Ge) Chem. Tech. Landwirt. 17(9):317-318, 1966. 384 C4292
Culture, chiefly.
- 16229 SACHANSKI, S. Date and method of planting forage broadbeans for grain. (Bu) Rastenievudni Nauk. 3(5):105-110, 1966. 64.8 R18
English summary.
- 16229 SAHS, W. W. Mead Laboratory; "picture window" for research. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):16-17, Summer 1966, 100 N27N
Pasture management.
- 16230 SARIC, O. Problems of the production of hay in mountain areas. (Se) Poljoprivredni Pregl. 15(1/2):15-24, Ref. Jan./Feb. 1966. 21.5 P753
The culture of grasses and fertilizers.
- 16231 SCAILLET, M. M. High altitude fodder crops and fallows in Burundi. Sols Afr. 10(2/3):211-216, May/Dec. 1965. 56.8 S04
Text also in French, p.205-210.
Culture.
- 16232 SCHECHTNER, G., and DEUTSCH, A. Plant production methods for the improvement of silage preparation. (Ge) Forderungsdienst 14(4):118-135, Apr. 1966. 19 F75
Cultural methods for improving the fermentation quality of forage plants for silage.
- 16233 SHENTOV, R., SACHANSKI, S., and PETKOV, T. Results from study of American grain sorghum hybrids. (Bu) Rastenievudni Nauk. 3(6):129-137, 1966. 64.8 R18
English summary.
Forage plant.
- 16234 SHEPEL', M. A., SHEPEL', O. F., and HRECHYSHKINA, E. Sorghum hybrids—important forage plants. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:54-59, May 1965. 20 V82
- 16235 SUTTIE, J. M. Some fodder crops of Kenya in relation to altitude. Sols Afr. 10(2/3):217-220, May/Dec. 1965. 56.8 S04
Text also in French, p.221-224.
Culture.
- 16236 TILEY, G. E. D. The history of research into ley farming in Western and Central Uganda and its present aims. Sols Afr. 10(2/3):401-404, May/Dec. 1965. 56.8 S04
Text also in French, p.405-408.
- 16237 TILEY, G. E. D. The management and yields of the elephant grass [Pennisetum purpureum] ley under cutting and grazing. Sols Afr. 10(2/3):357-360, May/Dec. 1965. 56.8 S04
Text also in French, p.361-364.
Uganda.
- 16238 TREGUBENKO, M. YA., and NEPOMNYASHCHIL. Proper harvesting date for alfalfa on irrigated fields. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:27-33, Aug. 1966. 20 V633
English summary.
Effects on yields.
- 16239 TUDORACHE, S. Timely and qualitative harvesting as a decisive factor in a high and inexpensive production of forage plants. (Rum) Rev. Gosp. Agr. Stat 18(5):3-5, May 1966. 21 R32
Includes green cut.
- 16240 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Appalachian hillside pasture. U. S. D. A. Leaflet 543, slightly rev., 4 p. Oct. 1966. 1 Ag84L
- 16241 USTYMENKO, H. YA. Lathyrus culture in Poltava District. (Uk) Visnyk Sil's'kohospodar. Nauk. 7:73-76, July 1965. 20 V82
As forage plant.
- 16242 VALOVNENKO, D. K. Lupine as predecessor of winter crops under conditions of the Polesye. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:35-40, May 1965. 20 V82
Russian summary.
- 16243 WIREN, G. Hay meal factories have increased the interest in alfalfa. (Sw) Weibulls Arsbok 1966:12-15. 61.9 W42W
Culture.
- 16244 WUSTRACK, H. J. Results of the analysis of an assortment of peas and their importance for the breeding of forage peas. (Ge) Z. Pflanzenzucht. 55(4):339-374, Ref. July 1966. 450 Z36
English summary.
Includes kernel yields.
- 16245 YAKIMOVA, YA., KALAIIDZHIEV, I., and POPOV, I. Study of basic improvement of degraded native pastures in northern Bulgaria. (Bu) Rastenievudni Nauk. 2(11):41-54, 1965. 64.8 R18
English summary.
- 16246 YAKIMOVA, YA., KALAIIDZHIEV, I., and POPOV, I. Utilization of non-irrigated tame pastures in central north Bulgaria. (Bu) Rastenievudni Nauk. 2(12):95-106, Ref. 1965. 64.8 R18
English summary.
Management.
- 16247 ZLOWODZKI, J. Yield of pastures in Poland. (Pol) Roczn. Nauk Roln. 86-B-3:539-552, map, Ref. 1965. 20.5 R59
English summary.
Includes statistical research methods.

Oil Crops

- 16248 ARMSTRONG, R. E. Tillage and planting in boosting soybean yields. Soybean Dig. 26(12):42-43, Sept. 1966. 60.38 S09
- 16249 CORKERN, R. Crambe abyssinica; 1945-65. U. S. D. A. Econ. Res. Serv. ERS-299, 9 p. July 1966. A281.9 Ag83E
Bibliography.
- 16250 FOLK, A. Breeding of the winter rape variety Slapska. (Cz) Za Vysokou Urodu 14(6):221-222, June 1966. 64.8 Z12
- 16251 HORBERG, Y. Weibull's Original Angst fall rape. (Sw) Weibulls Arsbok 1966:20. 61.9 W42W
- 16252 HOWELL, R. W. What are the soybean research needs? Soybean Dig. 26(12):59-62, Sept. 1966. 60.38 S09
- 16253 ISHAG, H. M. The effect of sowing date on growth and yield of groundnuts in the Gezira. Sols Afr. 10(2/3):509-520, map, May/Dec. 1965. 56.8 S04
Text also in French, p.521-527.
- 16254 KHAN, A. H., ALI, G., and SULTAN, W. Some studies in breeding of cotton varieties with special references to their oil contents. Sci. Indus. 4(2):123-125, Apr. 1966. 475 Sci238
- 16255 KOVACHEVA, I. Comparative testing of some soybean varieties under dry-farming conditions. (Bu) Rastenievudni Nauk. 3(4):53-57, 1966. 64.8 R18
English summary.
- 16256 KREMINSKII, V. Sunflower variety the Mayak. (Rus) Selekt. Semenovodstvo 5:64. Sept./Oct. 1966. 61.9 S05
- 16257 LOOF, B. Oil crop culture in northern Gotaland and Svealand. (Sw) Svensk Frotidn. 4:63-64, 66-73, Apr. 15, 1966. 61.8 Sv2
- 16258 MITCHELL, R. L. What is this plant called soybean? Soybean Dig. 26(12):32-34, Sept. 1966. 60.38 S09
Physiology and culture.
- 16259 MYSAKOWSKA-PALEOLOG, B. The course of growth, development and yields of Crambe abyssinica Hochst. in different ways of tillage and fertilization and in different moisture conditions. I. Problems of tillage. (Pol) Roczn. Nauk Roln. 91-A-1:187-217, Ref., p.213-215. 1966. 20.5 R59
English summary.
- 16260 PALAN, D. Breeding of the winter rape variety Trebicka. (Cz) Za Vysokou Urodu 14(6):222-223, June 1966. 64.8 Z12
- 16261 PETRAKIEVA, I. Results of comparative tests with certain Bulgarian and foreign soybean varieties in Plevna area. (Bu) Rastenievudni Nauk. 2(8):27-37, Ref. 1965. 64.8 R18
English summary.
- 16262 PETROV, I. Effect of preceding crop on volume and quality of sunflower yields. (Bu) Rastenievudni Nauk. 2(5):119-127, Ref. 1965. 64.8 R18
German summary.
- 16263 STOYANOVA, I. Establishing most suitable time for harvesting sunflower. (Bu) Rastenievudni Nauk. 3(6):121-127, Ref. 1966. 64.8 R18
English summary.
- 16264 VOSKERUSA, J. Problems of harvesting oil plants. (Cz) Za Vysokou Urodu 14(6):217-219, June 1966. 64.8 Z12

Sugar Crops

- 16265 BISOVETSKII, T. YA., BOIKO, A. I., and DENISYUK, D. YA. Occupied and unoccupied fallows in sugar beet crop rotation. (Rus) Sakhar. Svekla 9:27-29. Sept. 1966. 66.8 Su393
- 16266 BONETA-GARCIA, E. Improving sugar cane varieties in Puerto Rico. Sugar Azucar 61(11): 44-46. Nov. 1966. 65.8 F11
Text also in Spanish, p. 83-84.
- 16267 DYER, A. W. H. Thoughts on Sedgford. Brit. Sugar Beet Rev. 35(1):23-24. Sept. 1966. 66.8 B77
Sugar beet culture.
- 16268 GADO, K. The sugarcane and its culture. (Hu) Cukoripar 19(5):192-194. Sept./Oct. 1966. 65.8 C89
German summary.
- 16269 GARNER, D. J. Plant population—key to higher returns. Brit. Sugar Beet Rev. 35(1): 13-16. Sept. 1966. 66.8 B77
The yield significance of number of roots delivered (per acre) to factory.
- 16270 HAWAIIAN SUGAR PLANTERS' ASSOCIATION. Proceedings of the eighty-fourth annual meeting held at Honolulu, Hawaii, December 8, 9 and 10, 1964. Honolulu, 1965? 123 p. 65.9 H314
Includes 1964 Annual report of its Experiment Station.
- 16271 HAWAIIAN SUGAR PLANTERS' ASSOCIATION. Proceedings of the eighty-fifth annual meeting held at Honolulu, Hawaii, December 7 and 8, 1965. Honolulu, 1966? 99 p. 65.9 H314
Includes 1965 Annual report of its Experiment Station.
- 16272 KIKINDONOV, T. Use of hybridization, polyploidy and male sterility in sugar beet selection to improve hereditary resistance to Cercospora beticola Sacc. (Bu) Rastenievudni Nauk. 3(1): 3-11. Ref. 1966. 64.8 R18
German summary.
- 16273 KOVACHEV, V. Concerning the sowing time of sugar beets under conditions of northeastern Bulgaria. (Bu) Rastenievudni Nauk. 2(5):109-117. 1965. 64.8 R18
English summary.
- 16274 KUDRYAVTSEVA, O. A. Sugar beets obtained from seed ball with different quantity of seeds. (Rus) Sakhar. Svekla 9:34-35. Sept. 1966. 66.8 Su393
Breeding for polyploidy.
- 16275 KYSIL'OVA, N. K. Effectiveness of various schemes of cross-thinning of sugar beets. (Uk) Visnyk Sil'skohospodar. Nauk. 4:53-56. Apr. 1965. 20 V82
Russian summary.
- 16276 LASHKEVICH, G. I. Growing sugar beets on peat soils in Belorussia. (Rus) Sakhar. Svekla 9:21-23. Sept. 1966. 66.8 Su393
- 16277 LUKACS, L., and ELIAS, GY. Experiments with coated sugar beet seeds. (Hu) Magyar Mezogazdasag 21(42):7. Oct. 19, 1966. 19 M27
Germanization.
- 16278 MATVIENKO, A. V. Crop rotation increases sugar beet yields. (Rus) Sakhar. Svekla 9:30. Sept. 1966. 66.8 Su393
- 16279 PANIN, V. O., and SHEVTSOV, I. A. Selectivity of fertilization of diploid and tetraploid sugar beets. (Uk) Akad. Nauk Ukr. RSR. Dopovid 4:535-538. 1966. 511 K54
English summary.
- 16280 PERSCHK, F. J. Modern cultural and harvesting procedures for sugar beets in France. (Ge) Feldwirtschaft 7(2):79-80. Feb. 1966. 18 W763
- 16281 PETROV, I. Sugar beet yield as influenced by preceding crops. (Bu) Rastenievudni Nauk. 2(10):129-135. Ref. 1965. 64.8 R18
English summary.
- 16282 POPOV, A., and LAZAROV, M. Testing foreign varieties of sugar beets in Bulgaria. (Bu) Rastenievudni Nauk. 2(1):31-43. 1965. 64.8 R18
German summary.
- 16283 RACKHAM, D. A harvest plan. Brit. Sugar Beet Rev. 35(1):12. Sept. 1966. 66.8 B77
- 16284 SIMON, V. M. Round type sugar beets and the culture of seed beets. (Rus) Vestnik Sel'skikh. Nauk. [Moscow] 8:121-123. Ref. Aug. 1966. 20 V633
Chiefly planting.
- 16285 SLADEK, B. Historical development and present state of the sugar beet variety Dobrovicka A. (Cz) Za Vysokou Urodu 14(6):216. June 1966. 64.8 Z12
- 16286 SOUTH AFRICAN SUGAR ASSOCIATION. EXPERIMENT STATION. Annual report, 1964-65. n.p., 1965. 103 p. 65.9 So82
- 16287 SUGAR beet seed production in Britain. Brit. Sugar Beet Rev. 35(1):39-41. Sept. 1966. 66.8 B77
- 16288 TAI-WAN SHENG CHE NUNG FU WU SHE. Che nung fu wu shih nien [Our achievements in a decade], 1955-1965. Chichow, 1965. 16 p. SB215.T3
Text in Chinese and English.
Sugarcane industry.
- 16289 TISHCHENKO, A. V., and YURKO, V. S. Effect of planting on monomer sugar beet seeds. (Rus) Sakhar. Svekla 9:35. Sept. 1966. 66.8 Su393
- 16290 TROFIMENKO, M. S. Productivity of seed sugar beets planted in summer. (Rus) Sakhar. Svekla 9:36-37. Sept. 1966. 66.8 Su393
- 16291 TSE, C. C., and SHIUE, Y. S. Evaluation of various interplanting systems with sugar cane F 146. Taiwan Sugar 13(2):12-20. Mar./Apr. 1966. 65.8 T133
Translation from Taiwan Sugar Experiment Station, Report 38, April 1965.

Tobacco

- 16292 CHAPLIN, J. F. Comparative performance of F₁ flue-cured tobacco hybrids and their parents. 1. Agronomic and quality characteristics. Tobacco [New York] 163(17):27-32. Oct. 21, 1966. 286.89 T552
- 16293 DIMITROV, TS. Forty years in services to national tobacco growing. (Bu) Bulg. Tyutyun 7:28-31. 1965. 69.8 B872
Experimental farm in Rila.
- 16294 GOPINATH, D. M. Varietal improvement a goal. Tobacco [New York] 163(21):28-29. Nov. 18, 1966. 286.89 T552
In India.
- 16295 POPIVANOV, I. Agrobotanical description of tobacco variety, Gorna Dzhumaya No. 165. (Bu) Bulg. Tyutyun 1:16-24. 1965. 69.8 B872
- 16296 SHABANOV, D. Introduction of large-leaved tobacco varieties. (Bu) Bulg. Tyutyun 7:32-41. 1965. 69.8 B872
- 16297 SMITH, W. L., MILES, J. D., and STEFFENS, G. L. Plastic-covered plant beds for flue-cured tobacco. I. The effect of fertilizer rate, soil moisture level, and ventilation temperature on plant production. Tobacco [New York] 163(19):28-33. Nov. 4, 1966. 286.89 T552

HORTICULTURAL CROPS

- 16298 U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Publications of the Horticultural Crops Research Branch; a reference list. Washington, 1966. 25 p. aZ5074.E3

Fruit - General

- 16299 ALANNO, A. D'. Fruit varieties to cultivate; suggestions for the Verona producers. (It) G. Agr. 76(37):390. Sept. 11, 1966. 16 R1G
- 16300 AUGLU razas katru gadu [Harvesting fruit yields each year] Riga, Liesma, 1966. 256 p. SB357.A9
Fruit and berry culture.

- 16301 BALSAGAARD, INSTITUTET FOR VAXT-
FORADLING AV FRUKT OCH BAR. Berat-
telse over verkshameten ar 1965 [Annual re-
port for the year 1965 of the Balsgaard Fruit
Breeding Institute]. Kristianstad, 1966? 36 p.
86 F76
English summary.
- 16302 BEREZOVSKIY, H. A. Palmette fruit culture.
(UK) Visnyk Sil'skohospodar. Nauk. 8:109-117.
Aug. 1965. 20 V82
Yugoslavia.
- 16303 BRAHE-PEDERSEN, O. Trends in Polish fruit
culture. (Da) Erhvervsfrugtavlren 33(10):
409-411. Oct. 1, 1966. 80 Er3
Research.
- 16304 BRUNNER, T. Examination and critical analy-
sis of the effect of fruit tree pruning, with
special reference to the defects caused in
translocating tissues. (Hu) Kiserletgyi Koz-
lemenyek 58/C(2):3-22. Ref. 1965, pub. 1966.
105.9 H89
English summary.
- 16305 EGOROV, V. I. Distributing fruit and berry
plants in the fruit orchards. (Rus) Sadovod-
stvo 9:33-34. Sept. 1966. 80 Sa13
- 16306 FLOROV, B. P. Razmnzhenie plodovykh ra-
stenii na sobstvennykh kornyakh i vegetativno
razmnzhaemykh podvoynakh [Propagation of
fruit by fundamental roots and by vegetative
reproduced rootstocks]. Minsk, Urozhai,
1965. 208 p. Ref. SB125.F55
- 16307 FURNER, B. G. My pot orchard. Org. Gard.
Farming 13(12):30-33. Dec. 1966. 57.8 Or32
- 16309 KASHCHENKO, E. P. Agrochemical services
for collective fruit orchards. (Rus) Sadovod-
stvo 9:37. Sept. 1966. 80 Sa13
- 16309 MEIER, G., and REICHEL, M. A contribution
to the discussion on the training of fruit in
hedge or espalier forms. (Ge) Obstbau [Ber-
lin] 5(10):149-152. Oct. 1965. 80 Ob79
Includes pruning and effects on yields.
- 16310 MICKEL, W. C., BEUTEL, J. A., and YEAGER,
J. T. Water base paints for sunburn protection
of young fruit trees. Calif. Agr. 20(7):7. July
1966. 100 C12Cag
- 16311 MIHALYFFY, J. Crown form and pruning of
stone fruits. (Hu) Kerteszet Szolesz. 15(15):
13. Aug. 1966. 80 K474
- 16312 MODIC, D. Plane threepronged crown. (Sl)
Soc. Kmetijstvo Gozdarsstvo 16(12):292-294.
Aug. 20, 1965. 21.5 So14
Espalier fruit pruning.
- 16313 MYATKOVSKIL, O. N. Present situation and
possible development of fruit industry in the
Kaluzhskoye Region. (Rus) Sadovodstvo 9:1-3.
Sept. 1966. 80 Sa13
- 16314 NEL, R. I. The Fruit and Food Technology Re-
search Institute, Stellenbosch, South Africa.
World Rev. Pest Contr. 5(2):85-98. Ref. Sum-
mer 1966. 79.8 W89
- 16315 NILSSON, F. Notes on varieties and root-
stocks. (Sw) Fruktodlaren 37(2):36-42. Mar.
1966. 86 Sv2F
- 16316 THE PRODUCTION of fruit seedlings in
Switzerland. (Ge) Obstrundschau 25(11), 4 p.
Nov. 26, 1965. 80 Ob74
Text also in French.
- 16317 SZABO, D. About grafting. (Hu) Kerteszet
Szolesz. 15(16):14. Aug. 1966. 80 K474
Fruit.
- Citrus and Subtropical Fruits
- 16318 ALLEN, R. M., and others. Citrus foundation
budwood release, 1966, through the Arizona
Cooperative Citrus Registration-Certification
Program. Ariz. Agr. Exp. Sta. Rep. 236, 6 p.
June 1966. 100 Ar4M
J. C. Matejka, R. A. Nelson, and D. R. Rod-
ney, joint authors.
Arizona Crop Improvement Association,
and Arizona Commission of Agriculture, and
Horticulture, cooperating.
- 16319 BRACONI, L. Olive varieties compared. (It)
Ital. Agr. 103(7/8):651-662. July/Aug. 1966.
16 It1
- 16320 BUSHMAN, E. F. Winter-freeze and summer
tree wraps for citrus and avocado trees. Nat.
Agr. Plast. Conf. Proc., 6th Conf.:80-88. 1965.
309.9 N216
- 16321 CAMERON, J. W., and others. Fruit charac-
ters of citrus hybrids in So. California test
plots. Calif. Citrogr. 51(11):436, 442, 445, 447-
450. Sept. 1966. 80 C125
R. K. Soost, A. B. England, and R. H. Bur-
nett, joint authors.
Oranges.
- 16322 DRAGAVTSEV, A. P. Carambola (Averrhoa
carambola). (Rus) Sadovodstvo 9:30. Sept.
1966. 80 Sa13
- 16323 SIMANTON, W. A. Citrus culture in Florida,
modern methods. Ass. Southern Feed, Fert.
Pesticide Contr. Offic. Offic. Publ., 1964/65:
99-106. 389.79 As7
- Deciduous Fruits
- 16324 ARMAI, I. Peach culture on loess soils. (Hu)
Kerteszet Szolesz. 15(15):5. Aug. 1966.
80 K474
- 16325 BARACCO GANDOLFO, C., and FRANCA
ZAVALA, A. Production of peach seeds for
obtaining stocks resistant to the "knot nema-
tode" [Meloidogyne incognita]. (Sp) Vida Agr.
[Lima] 42(506/507):569-572. 1966. 9.8 V66
- 16326 BERGENDAL, P. O., and NYBOM, N. Pome
fruit. (Sw) Balsgaard, Inst. Vaxtforadning
Frukt Bar. Berattelse Verksamheten 1965:10-
16. 1966. 86 F76
English summary, p. 30-31.
Breeding of apples and pears.
- 16327 BOTTURA, E., and ROVERSI, A. Summer
cultivar of Mantuan pear. (It) Mantova 55:40-
47. July/Aug. 1966. 287 M315
- 16329 CHRISTENSEN, J. V. Different planting dis-
tances and tree shapes for apple trees. (Da)
Tidsskr. Planteavl 70(2):198-207. Ref. 1966.
11 T439
English summary.
- 16329 FERNQVIST, I. Measures for improving qual-
ity of fruit. (Sw) Fruktodlaren 37(2):97-99.
May 1966. 86 Sv2F
Culture.
- 16330 FLOROV, B. P. Propagation of apples, pears,
cherries and plums by cuttings. (Rus) Sado-
vodstvo 9:22. Sept. 1966. 80 Sa13
- 16331 GERA, M. Bench grafting of apple in winter.
(Hu) Kiserletgyi Kozlemenyek 58/C(2):39-51.
Ref. 1965, pub. 1966. 105.9 H89
English summary.
- 16332 GROH, W. "Fanal" and "Granat", sour cherry
varieties. (Ge) Obstbau [Berlin] 6(2):24-26.
Feb. 1966. 80 Ob79
- 16333 GROH, W., and REICH, E. The proof of origin
and the state of genuineness of known cherry
variety grafts. (Ge) Arch. Gartenbau 14(1):37-
53. Ref. 1966. 80 Ar2
English summary.
In nurseries.
- 16334 HELTMAN, L. Ripening and harvesting of
winter apple. (Hu) Kiskert 5:1-2. In Kertes-
zet Szolesz. 15(19). Oct. 1966. 80 K474
- 16335 HINTZE, S. Fruit trials carried out now. (Sw)
Fruktodlaren 37(5/6):128. June 1966. 86 Sv2F
- 16336 KALMAR, SZ. Forced crown tending of vari-
ous apple varieties on M. IV. Rootstock. (Pre-
liminary report). (Hu) Kiserletgyi Kozle-
menyek 58/C(2):53-62. Ref. 1965, pub. 1966.
105.9 H89
English summary.
- 16337 KLANG, C. A. Summer pruning. (Sw) Fruktod-
laren 37(5/6):121-122. June 1966. 86 Sv2F
Of fruit trees.
- 16338 KLANG, C. A. With shears and saws in plum
trees. (Sw) Fruktodlaren 37(2):42-44. Mar.
1966. 86 Sv2F
Pruning.
- 16339 KOLESNIKOV, M. A. Results of the study on
plum varieties. (Rus) Vestnik Sel'skokhoz.
Nauk. [Moscow] 8:75-77. Aug. 1966. 20 V633
English summary.

- 16340 LAKATOS, A. Is the large scale plum production profitable? (Hu) Kerteszeti Szoltes, 15 (16):8-9. Aug. 1966. 80 K474
Chiefly on proper cultivation method.
- 16341 LEKSAN, M. Results of the study of pear varieties. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12): 294-295. Aug. 20, 1965. 21.5 So14
Ripening date and properties.
- 16342 LUCHKOV, P. G. Apples on slopes. (Rus) Sadovodstvo 9:2. Sept. 1966. 80 Sa13
- 16343 MARTINSSON, G. Notes on fruit culture in Urshult Parish. (Sw) Fruktodlaren 37(5/6):132-134. June 1966. 86 Sv2F
- 16344 MARTINSSON, G. Plum culture in Urshult. (Sw) Fruktodlaren 37(5/6):134-135. June 1966. 86 Sv2F
- 16345 MORETTINI, A. Favorita III cherries. (It) Ital. Agr. 103(9):757-762. Sept. 1966. 16 It1
- 16346 NILSSON, F. Shall we grow more pears? (Sw) Fruktodlaren 37(4):90-93. May 1966. 86 Sv2F
- 16347 NORSK FRUKTIDYRKARLAG. Annual report of the Norwegian Fruit Grower's Association. (No) Yrkesfruktdyrking 1:11-13. 1966. 80 Y83
- 16348 OHLERS, H. Experiments with chemical thinning of pears with plant hormones. (Da) Tidsskr. Planteavl 70(2):254-260. 1966. 11 T439
English summary.
- 16349 OLDEN, E. J. Stone fruit and rootstocks. (Sw) Balsgaard, Inst. Vaxforadling Frukt Bar. Berattelse Versamheten 1965:16-22. 1966. 86 F76
English summary, p.31-32.
Breeding.
- 16350 OLDEN, E. J. Some of our older plum varieties. (Sw) Fruktodlaren 37(3):53-56. Mar. 1966. 86 Sv2F
- 16351 SCHURICHT, R. Test with new apple varieties. (Ge) Obstbau [Berlin] 6(2):23-24. Feb. 1966. 80 Ob79
- 16352 SEREGIN, N. F. Use of rootstocks from rooted cuttings. (Rus) Sadovodstvo 9:24. Sept. 1966. 80 Sa13
Propagation of fruit.
- 16353 SORENSSEN, A. Shall we plant? (Da) Erhvervsfrugtavleren 33(10):398-403. Oct. 1, 1966. 80 Er3
Apple varieties.
- 16354 THORSRUUD, J. Experiments with different methods of intercropping for the plum variety Reine Cl. d'Oullins. (No) Yrkesfruktdyrking 6: 79-81. 1965. 80 Y83
- 16355 THORUP, S. Growing cherries for processing. (Da) Erhvervsfrugtavleren 33(10):407-409. Oct. 1, 1966. 80 Er3
- 16356 TUROVTSSEV, N. I. Plums in the northern Kazakhstan. (Rus) Sadovodstvo 9:23-24. Sept. 1966. 80 Sa13
- 16357 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Quince growing. U. S. D. A. Leaflet 158, slightly rev., 4 p. Sept. 1966. 1 Ag84L
- 16358 YANCHUK, V. F. And the graft effects the rootstock. (Rus) Sadovodstvo 9:21. Sept. 1966. 80 Sa13
Apples.
- 16359 YERSHOV, L. A. Possibilities for growing quince in the Crimea. (Uk) Visnyk SIK's'kohospodar. Nauk. 4:66-73. Apr. 1965. 20 V82
Russian summary.
- 16360 ZHELEZNIKOVA, V. I. Selecting fruit varieties considering yields in the first year. (Rus) Sadovodstvo 9:29-30. Sept. 1966. 80 Sa13
Cherries and plums.
- Small Fruits
- 16361 AICHELE, H. Meteorology of grape production. (Ge) Weinberg Keller 12(1):7-14. Ref. Jan. 1965. 95.8 W435
English summary.
- 16362 BARNES, E. H., MOULTON, J. E., and IGNA-TOSKI, J. A. Verticillium-resistant selections of strawberry from crosses of named varieties. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):514-520. Ref. May 1966. 100 M588
Verticillium albo-atrum.
- 16363 BAUER, A. Strawberries. (Sw) Balsgaard, Inst. Vaxforadling Frukt Bar. Berattelse Versamheten 1965:23-26. 1966. 86 F76
English summary, p.32-33.
Breeding.
- 16364 COLNARIC, J. The effect of vineyard terraces on the microclimate and on the growth and development of root system of grapes in the Drava grape area. (Sl) Soc. Kmetijstvo Gozdarstvo 17(10):217-219. Aug. 1966. 21.5 So14
- 16365 CSEPREGI, P. Large-scale grape production and wine quality. (Hu) Kerteszeti Szoltes, 15 (14):4-6. July 1966. 80 K474
- 16366 DALMASSO, G. For a solution of the problem of producer hybrids. (It) Colt. G. Vinicolo Ital. 112(8):236. Aug. 1966. 16 C72
Grapes.
- 16367 DALMASSO, G. A grape nursery without soil? (It) Colt. G. Vinicolo Ital. 112(6/7):216-217. June/July 1966. 16 C72
- 16368 DALMASSO, G. A "seminar" on the teaching of viticulture at the higher level. (It) Colt. G. Vinicolo Ital. 112(8):237-241. Oct. 1966. 16 C72
Held July 4-12, 1966 at Montpellier.
- 16369 GKRAZIOS, F. Strawberries culture in central and western Macedonia and proposed improvements in used farming methods. (Gre) Delt. Agrotikes Trapezes 147:19-23. Nov./Dec. 1965. 21.7 D38
- 16370 HEGGLI, M. Different planting dates and growing methods for strawberries. (No) Yrkesfruktdyrking 6:81-84. 1965. 80 Y83
- 16371 HRCEK, L., and others. Hill culture of grapes; Yugoslav report. (Of) Office Int. Vigne Vin. Bull. 39(425/426):852-867. Ref. July/Aug. 1966. 390.8 B87
M. Jelaska, Z. Anicic, and I. Juras, joint authors.
Presented at the 10th International Congress of Grapes and Wine, Tbilisi, 1962.
- 16372 HRCEK, L. Results of the clonal breeding of grapes. (Sl) Soc. Kmetijstvo Gozdarstvo 16 (12):282. Aug. 20, 1965. 21.5 So14
- 16373 KOSOVEL, J., and LEMUT, S. Selection of grape varieties for the upper and central part of the Vipava area. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12):287. Aug. 20, 1965. 21.5 So14
- 16374 KOVACS, S., and TOTI, F. Evaluation of strawberry varieties. (Hu) Kerteszeti Szoltes, 15(15):6-7. Aug. 1966. 80 K474
- 16375 KOVAL', M. M., MISURENKO, A. H., and HABOVYCH, V. I. Principal results of activity of the Ukrainian Scientific-Research Institute of Viticulture and Wine Making [Ukrayins'kyi Naukovy-Doslidnyi Instytut Vynohradarstva i Vynorobstva im. V. E. Tayirova]. (Uk) Visnyk SIK's'kohospodar. Nauk. 4:103-110. Apr. 1965. 20 V82
- 16376 MEDVEDEVA, O. A., and ZHUCHKOVA, E. N. Raspberries in Leningrad Region. (Rus) Sadovodstvo 9:28-29. Sept. 1966. 80 Sa13
- 16377 MONTICELLI, F. Delayed grafts and over-grafts in viticulture. (It) Colt. G. Vinicolo Ital. 112(8):241-242. Oct. 1966. 16 C72
- 16378 OBLAK, M. Pruning of the red currants. (Sl) Soc. Kmetijstvo Gozdarstvo 16(18):453-454. Dec. 1965. 21.5 So14
- 16379 OBLAK, M. What varieties of strawberries should be planted in the Koper area. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12):295-296. Aug. 20, 1965. 21.5 So14
- 16380 OYDVIN, J. A comparison of clones of the strawberry variety "Abundance." (No) Yrkesfruktdyrking 6:84-88. Ref. 1965. 80 Y83
- 16381 OYDVIN, J. Effects of pruning and plant distance on black currant yields. (No) Yrkesfruktdyrking 1:1-4. 1966. 80 Y83
- 16382 ROSATI, P. Belle et Bonne, an interesting medium-early strawberry cultivar. (It) Ital. Agr. 103(6):603-605. June 1966. 16 It1
- 16383 TAMAS, P. Berry bushes. (Sw) Balsgaard, Inst. Vaxforadling Frukt Bar. Berattelse Versamheten 1965:26-29. 1966. 86 F76
English summary, p.33.
Breeding.

- 16384 THIELE, K. Considerations on the selection of varieties in grape culture. (Ge) Obstbau [Berlin] 5(10):154-157. Oct. 1965. 80 Ob79
In relation to yields.
- 16385 ZILAI, J. Table grape culture in the home garden. (Hu) Kiskert 5:4-5. In Kertesz Szolész. 15(19). Oct. 1966. 80 K474
- 16386 ZIONI, E. Pomological description of two cultivars of non-reflowering strawberries of the Province of Alessandria. (It) Colt. G. Vinicolo Ital. 112(6/7):213-216. June/July 1966. 16 C72

Nuts

- 16387 GATTONI, L. A., BAIRES, J. G., and CASTILLO, D. A. El marañon, una explotación apropiada para El Salvador [The cashew, an appropriate crop for El Salvador]. Ed. 2. Santa Tecla. Dir. Gen. Invest. Agron. Circ. 71,20 p. Mar. 1966. 8 Sa36
Culture.
- 16388 GAUDIO, S. DEL, and COLAVITTO, V. Investigations on almond growing in the Bari Province. (It) Ann. Sperim. Agr. (n.s.) 18(5/6):713-798, map. 1964, pub. 1966. 16 An76
English summary.
- 16389 SIMONCIC, L. Planting walnuts in great number. (Sl) Soc. Kmetijstvo Gozdarstvo 16(18):460-461. Dec. 1965. 21.5 So14

Shade Trees and Ornamental Plants

- 16390 BARONTINI, F., and BURALLI, L. Culture of roses for cut flowers. (It) Agr. Spezia 14 (9/10):148-152. (Cont.) Sept./Oct. 1966. 16 Ag8229
- 16391 BERRISFORD, J. M. The wild garden. London, Faber and Faber, 1966. 192 p. SB454.B4
Ornamentals in Great Britain.
- 16392 BESSERER, R. Value of the flower hall. (Ge) Landesverband Gartenbau Landwirt. Berlin. Mitteilungsbl. 17(2):3-5. Feb. 1966. 85 L233
Green week show in Berlin.
- 16393 BISHOP, J. H. A green thumb for Begonias. Org. Gard. Farming 13(12):45-49. Dec. 1966. 57.8 Or32
- 16394 BIERKESTRAND, E. Wintering of container ornamental plants outdoors. (No) Gartneryrket 56(44):991-992. Oct. 28, 1966. 80 G1938
Chiefly protection against cold.
- 16395 BOSKOOP, PROEFSTATION VOOR DE BOOMKWEKERIJ. Jaarboek [Yearbook of the Experimental Station for Tree Nurseries at Boskoop], 1965. Boskoop, 1966. 173 p. 86 B65
- 16396 BOWMAN, J. G. Evergreen seedlings. Org. Gard. Farming 13(12):42-44. Dec. 1966. 57.8 Or32
Culture of ornamental evergreens.
- 16397 BRUNNER-KLINGENSPOR, E. The flowering house plants. (Ge) Gartenschönheit 2:1-32. Second Q. 1966. 80 G199
Includes culture and varieties.
- 16398 DAKER, M. G. Kleine Hebling a haploid cultivar of Pelargonium. Nature [London] 211 (5048):549-550. July 30, 1966. 472 N21
- 16399 DANHARDT, W. A contribution to the breeding of Gerbera jamesonii Bolus ex Hooker. (Ge) Arch. Gartenbau 14(1):17-24. 1966. 80 Ar2
English summary.
Includes Phytophthora cryptogea control.
- 16400 DENMARK, STATENS FORSGSVIRKSOMHED I PLANTEKULTUR. Monarda variety trials 1963-1965. (Da) Tidsskr. Planteavl 70(2):264-267. 1966. 11 T439
English summary.
- 16401 DOORENBOS, S. G. A. Letter from Mexico. (Ge) Deut. Baumschule 18(4):102-104. Apr. 1, 1966. 80 D486
Includes ornamental trees and plants.
- 16402 DORSMAN, C. Annual report of the Experimental Station for Tree Nurseries at Boskoop. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:15-23. 1966. 86 B65
- 16403 ELK, B. C. M. VAN. Budding of roses at Boskoop. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:69-70. 1966. 86 B65
- 16404 ELK, B. C. M. VAN. Cold storage of plants. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:130-133. 1966. 86 B65
- 16405 ELK, B. C. M. VAN. Date of propagation of Coniferae by cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:48-51. 1966. 86 B65
- 16406 ELK, B. C. M. VAN. Experiments with winter propagation by cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaar. 1965:27-35. 1966. 86 B65
Shrubs.
- 16407 ELK, B. C. M. VAN. Grafting of Acer. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:51-54. 1966. 86 B65
- 16408 ELK, B. C. M. VAN. Grafting of birch. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:54-56. 1966. 86 B65
- 16409 ELK, B. C. M. VAN. Grafting of Cornus. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:56-58. 1966. 86 B65
- 16410 ELK, B. C. M. VAN. Grafting of Juniperus with different kinds of material for tying of plant. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:58-60. 1966. 86 B65
- 16411 ELK, B. C. M. VAN. Grafting of Liriodendron [tulipiferum]. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:60-61. 1966. 86 B65
- 16412 ELK, B. C. M. VAN. Grafting of Magnolia Watsonii. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:61-62. 1966. 86 B65
- 16413 ELK, B. C. M. VAN. Grafting of Picea. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:63-68. 1966. 86 B65
Picea breweriana, P. omorika and P. pungens.
- 16414 ELK, B. C. M. VAN. Grafting of Rhododendron. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:68-69. 1966. 86 B65
- 16415 ELK, B. C. M. VAN. Heating of the frame for cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:45-48. 1966. 86 B65
Coniferae.
- 16416 ELK, B. C. M. VAN. Propagation by cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:36-45. 1966. 86 B65
Shrubs.
- 16417 ELK, B. C. M. VAN, and MAAS, J. G. Storage of rose scions. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:126-130. 1966. 86 B65
- 16418 FARNSWORTH, G. The annual N.E.G.S. [New England Gladiolus Society] Exhibition. Gladiolus 41:221-235. 1966. 96.43 N44
- 16419 FENELL, S. Three trees—each decorative and different. Org. Gard. Farming 13(11):44-47. Nov. 1966. 57.8 Or32
Albizia julibrissin, Paulownia tomentosa and Aesculus.
- 16420 THE GESNERIAD register, 1966; names and descriptions of plants commercially available in the genus Columnea. Rev. Old Greenwich? Connecticut, American Gloxinia Society, 1966. 27 p. QK495.G4
- 16421 HAJDU, K. It is possible to realize large-scale flower seed production. (Hu) Kertesz Szolész. 15(16):15. Aug. 1966. 80 K474
- 16422 ILLESN, MRS. T. M., and SELENDY, SZ. Basic elements of the garden. (Hu) Kiskert 4:4-6. In Kertesz Szolész. 15(15). Aug. 1966. 80 K474
Water plant culture.
- 16423 JOINER, J. N., and SHEEHAN, T. J. Pot poinsettias can be grown commercially in Florida. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):3-4. July 1966. 100 F66Su
- 16424 JUNGnickel, A. Asplenium trichomanes. (Ge) Gartenschönheit 2:34. Second Q. 1966. 80 G199
As ornamental plant; includes culture.
- 16425 KELZER, R. DE. Brief report of the activity of the experimental garden for nursery products in the course of the 1963-1964 period. (Fr) Rev. Agr. [Brussels] 19(7/8):833-844. July/Aug. 1966. 13 R322
Chiefly rose culture.

- 16426 KIPLINGER, D. C., MILLER, R. O., and TAYAMA, H. K. Essentials of pot lily culture. *Florists' Rev.* 139(3595):84-85, 99. Oct.20,1966. 80 W41
- 16427 KRIVOSHEEVA, L. S., POTOTSKEYA, YU. S., and SHUBINA, E. N. Tsvetochno-dekorativnye rasteniya dlya ozeleneniya naselennykh punktov Kirgizii [Flowering ornamental plants for landscaping populated places in Kirghizia]. *Frunze*, 1966. 19 p. SB406.K7
- 16428 KRUSMANN, G. The most important varieties and forms of Spiraea in German gardens. (Ge) *Deut. Baumschule* 18(8):222-233. Aug.1,1966. 80 G486
- 16429 KUHN, G. Small gardens made big. (Ge) *Gartenschonheit* 46(4):1-28. Fourth Q.1966. 80 G199
Includes layouts.
- 16430 KULT, J. Greenhouse culture of two neotropical mistletoes. *Roy. Hort. Soc. J.* 91(9):400-402. Sept.1966. 84 L84J
Philirusa pyrifolia and *Struthanthus costaricensis* in Canada.
- 16431 LEES-MILNE, A. Sissinghurst castle gardens, an appreciation. *Roy. Hort. Soc. J.* 91(9):370-375. Sept.1966. 84 L84J
- 16432 LEIGHTON, R. S. Roadside beautification on private lands. *Forest Notes* 91:8-9. Fall 1966. 99.8 F7691
- 16433 LENG, B., and SYNGE, P. M. A beautiful river garden, Villa Roquebrune. *Roy. Hort. Soc. J.* 91(10):417-425. Oct.1966. 84 L84J
- 16434 LEWIS, C. A. Prescription for mums. *Hort. Soc. N. Y. Bull.* 16(10):3-5. Oct.1966. 81 H78
Chrysanthemum.
- 16435 LUNEVA, Z. S., SUDAKOVA, E. A., and POPOV, V. A. Vyrashchivanie sazhentsyev dekorativnykh derev'ev i kustarnikov, dlya ozeleneniya gorodov srednei polosy Evropeiskoi chasti RSFSR [Growing ornamental trees and shrubs seedlings; for town decoration in the central zone of the European Part of the Russian Soviet Federated Socialist Republic]. *Moskva, Izdatel'stvo Literatury po Stroitel'stvu*, 1965. 170 p. Ref. SB435.L8
- 16436 MCCLINTOCK, D. Double-flowered hardy heathers [Calluna]. *Roy. Hort. Soc. J.* 91(10):438-443. Ref. Oct.1966. 84 L84J
- 16437 MURPHY, T. Anemones—a profitable crop for the small grower. *Agr. Northern Ireland* 41(5):150-152. Sept.1966. 256.13 Ag82M
In Northern Ireland.
- 16438 NICOLINI, G. How to produce healthy carnation cuttings. (It) *Ital. Agr.* 103(7/8):683-694. July/Aug.1966. 16 It1
- 16439 NITTLER, L. W. Seedling characteristics useful in identifying Kentucky bluegrass. *Farm Res. [N. Y. Sta.]* 32(1):14-15. Apr./June 1966. 100 N48A
Varieties for lawn planting.
- 16440 OLSEN, O. Edelweiss, *Leontopodium alpinum*. (Da) *Gartenern* 39(2):14-15. Oct.1966. 80 G199
Includes culture.
- 16441 ORR, H. P., and DONOVAN, E. J. The roadside landscape. *Highlights Agr. Res. [Ala. Sta.]* 13(3):6. Fall 1966. 100 AL1H
- 16442 PARIDAEN-DOOLAEGE, A. This and that on the culture of terrestrial orchids. (Du) *Orchideen* (n.s.)28(5):120-123. Oct.1966. 80 Or182
- 16443 PESZEKI, I. Cultivation of American carnation. (Hu) *Kerteszeti Szolozs.* 15(15):10. Aug. 1966. 80 K474
- 16444 PRECE, S. J. Iris *Pseudacorus* in Montana. *Mont. Acad. Sci. Proc.* 24:1-4. Ref. 1964, pub. 1965. 500 M762
- 16445 SCHMALSCHIEDT, W. Breeding Rhododendron varieties in the research institute for horticulture in Aurich. (Ge) *Deut. Baumschule* 18(3):66-67. Mar.1,1966. 80 D486
- 16446 SCHMIDT, E. *Agapanthus africanus*. (Ge) *Gartenschonheit* 2:33. Second Q.1966. 80 G199
Includes culture.
- 16447 SCHMIDT, E. Pretty but little known. (Ge) *Gartenschonheit* 2:34. Second Q.1966. 80 G199
Thermopsis fabacea; includes culture.
- 16448 SCHNEIDER, F. Crossing and selection. (Du) *Boskoop, Ver. Proefsta. Boomkwekerij, Jaarb.* 1965:104-110. 1966. 86 B65
Shrubs.
- 16449 SCHNEIDER, F. Work with varieties. (Du) *Boskoop, Ver. Proefsta. Boomkwekerij, Jaarb.* 1965:112-118. 1966. 86 B65
Certified new varieties of shrubs.
- 16450 SCHUTZ, E. *Begonia hortensis*; trial from Weibullsholm 1965/66. (Sw) *Weibulls Allehanda* 26:19-22. 1966. 80 W42
Greenhouse culture.
- 16451 SCHUTZ, E. Flower seed table. (Sw) *Weibulls Allehanda* 26:15-18. 1966. 80 W42
- 16452 SELENDY, SZ. Basic elements of the garden; the rock garden and its plants. (Hu) *Kiskert* 5:6-7. In *Kerteszeti Szolozs.* 15(19). Oct.1966. 80 K474
- 16453 SMITH, W. H., PARKER, J. C., and FREEMAN, W. W. Exposure of cut flowers to ethylene in the presence and absence of carbon dioxide. *Nature [London]* 211(5044):99-100. July 2,1966. 472 N21
- 16454 STREITBERG, H. Breeding roses with the help of radiation. (Ge) *Arch. Gartenbau* 14(2/3):81-88. 1966. 80 Ar2
English summary.
Includes varieties.
- 16455 VARGA, G. A description of *Abies pisapo* Boiss. (Ge) *Deut. Baumschule* 18(3):78-79. Mar.1,1966. 80 D486
In Hungary.
- 16456 WALLACE, C. Flowers for cutting. *Agr. Northern Ireland* 41(5):153-155. Sept.1966. 256.13 Ag82M
Culture in Northern Ireland.
- 16457 WILDHABER, O. J. Two new hybrids of Orchidaceae. (Ge) *Schweiz. Bot. Ges. Ber.* 75:293-296. 1965, pub. 1966. 451 Sch9
- 16458 WYMAN, D. Trees for American gardens. Rev. and enl. New York, Macmillan, 1965. 502 p. SB435.W9

Vegetable and Truck Crops (Including Potatoes)

- 16459 AGAIN Taiwan. (Ge) *Champignon* 6(55):21-22. Mar.1966. 80 C352
Mushroom culture.
- 16460 AKESSON, H. Glimpses from a trip to Finland 1965. (Sw) *Weibulls Allehanda* 26:1-7. 1966. 80 W42
Vegetable culture.
- 16461 ARTEMENKO, V. Study of methods in cultivation of peat soils covered with grass and preparing them for potato planting. (Uk) *Visnyk Sil'skohospodar. Nauk.* 8:56-64. Aug.1965. 20 V82
Russian summary.
- 16462 ARTHEY, V. D., and GENT, G. P. The suitability of varieties of vining peas for canning and quick-freezing; 1964 trials. *Pea Growing Res. Organ. Tech. Mem.* 10,37 p. 1965. 91.56 P312T
Includes field trials with varieties.
- 16463 AVERRE, C. W., STROBEL, J. W., and DALTON, J. D. New methods solve "old land" problems. *Sunshine State Agr. Res. Rep. [Fla. Sta.]* 11(3):12-15. July 1966. 100 P66Su
Tomato culture.
- 16464 AVSIC, S. Planting date of cucumbers for pickling. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(8):183-184. June 18,1966. 21.5 So14
- 16465 BAJEC, V. Use of polyethylene sheets in the planting and protection of plants. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(18):458-459. Dec. 1965. 21.5 So14
Vegetables.
- 16466 BAJEC, V. Utilization of polyethylene materials in the forcing and protection of plants. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(1):11-12,21. Jan.15,1966. 21.5 So14
Vegetables.
- 16467 BARBERIS, C. *Fungicoltura; le tecniche, l'azienda* [Mushroom culture: technique, management]. Bologna, Cappelli, 1965. 160 p. SB533.B3

- 16469 BAUER, D. Experiences in vegetable culture. (Ge) *Lebendige Erde* 3:115-117. (Cont.) May/June 1966. 18 L49
Potatoes.
- 16469 BOBINSKI, J. The protection of surface mushrooms in Kampinos National Park and attempts of their propagation. (Pol) *Sylwan* 110(5):63-70. 1966. 99.8 Sy52
- 16470 BRUNI, B. Culture of fennel [*Foeniculum vulgare*] in Italy; improvement of cultural technique. (It) *Raccolto* 7(8):119-123. Aug. 1966. 16 R11
- 16471 CANGIULLI, A. Culture of chilli peppers in the Central-South of Italy. (It) *Raccolto* 7(7):106-110. July 31, 1966. 16 R11
- 16472 CARLSSON, H. Trials of new potato varieties 1965. (Sw) *Sveriges Potatisodlares Riksförbund*. Potatis 1966:27-29. 75.8 Sv2
- 16473 CHROBOCZEK, E., and others. The superiority of hybrids of sweet pepper in comparison with standard varieties in the light of the experiments carried out in Czechoslovakia, German Democratic Republic and in Poland. (Pol) *Rocz. Nauk Roln.* 91-A-2:299-328. Ref. 1966. 20.5 R59
J. Karasinska, M. Mijasowa, H. Fajkowska, joint authors.
English summary.
- 16474 CORGAN, J. N. Outlook for producing tomatoes in plastic greenhouses in New Mexico. *Nat. Agr. Plast. Conf. Proc.*, 6th Conf.:184. 1965. 309.9 N216
- 16475 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with different planting distances for beets. (Da) *Tidsskr. Planteavl* 70(2):268-270. 1966. 11 T439
- 16476 DANMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with the covering of cucumbers with plastic. (Da) *Tidsskr. Planteavl* 70(2):271-274. 1966. 11 T439
- 16477 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with low peas 1963-65. (Da) *Tidsskr. Planteavl* 70(2):279-282. 1966. 11 T439
- 16478 GUSTAFSSON, N. Kaptan, a new factory potato variety in this year's variety list. (Sw) *Sveriges Potatisodlares Riksförbund*. Potatis 1966:45-46. 75.8 Sv2
- 16479 HALL, B. J. Tomato and cucumber plastic tube shape and construction. *Nat. Agr. Plast. Conf. Proc.*, 6th Conf.:113-123. 1965. 309.9 N216
For plant forcing.
- 16480 JENSEN, M., and SHELDRAKE, R. Concluding results of air supported row covers for early vegetable production. *Nat. Agr. Plast. Conf. Proc.*, 6th Conf.:100-112. 1965. 309.9 N216
- 16481 JOHNSON, W. A., WARE, L. M., and TURNER, J. L. Response of tomatoes to staking. *Highlights Agr. Res.* [Ala. Sta.] 13(2):10. Summer 1966. 100 AL1H
Effects on yields; includes pruning.
- 16482 KEISERS, J. Growing tomato plants for greenhouse culture. (Fl) *Tuinbouwberichten* 29(11):468-470. Nov. 1965. 80 T817
- 16483 KIPER, I. M. Improving methods of breeding the early potato varieties. (Ru) *Selek. Semenovodstvo* 5:39-44. Sept./Oct. 1966. 61.9 Se5
- 16484 KIREVA, L. M. Growing early tomatoes under film cover. (Uk) *Visnyk Sil's'kohospodar.* Nauk. 4:59-65. Apr. 1965. 20 V82
Russian summary.
- 16485 LABEEUW, N. Comparative tomato variety trials for early greenhouse culture in 1965 in West Flanders. (Fl) *Tuinbouwberichten* 29(11):471-472. Nov. 1965. 80 T817
- 16486 LEVAY, I. Seed potato renewal is basis for next year's large yield. (Hu) *Magyar Mezőgazdaság* 21(39):14. Sept. 28, 1966. 19 M27
- 16487 LINDFORS, S. Nya koksväxtsorter i rikssortlistan, 1966-1967. New vegetable varieties in the official list of cultivars eligible for certification, 1966-1967. Uppsala. *Lantbruks-hogsk. Medd. Ser. A*, 61, 11 p. 1966. 11 Up62
English summary.
- 16489 MASTENBROEK, C. Some major points from 22 years of experience in breeding potatoes for resistance to late blight (*Phytophthora infestans*). *Amer. Potato J.* 43(8):261-277. Ref. Aug. 1966. 75.8 P842
- 16489 MAZZERANGHI, A. The artichoke. (It) *Raccolto* 7(7):103-105. July 31, 1966. 16 R11
Culture.
- 16490 MEJSTRÍK, J. Need for healthy seed of productive varieties of potatoes. (Cz) *Za Vysokou Urodu* 14(6):211-212. June 1966. 64.8 Z12
Culture and breeding.
- 16491 MIROSHNYCHENKO, H. M. Basic cultivation of soddy-podzolic soils and application of fertilizers under potatoes. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 8:65-69. Ref. Aug. 1965. 20 V82
Russian summary.
- 16492 NIEUWHOF, J. M. The production of hybrid varieties of vegetables. (Ge) *Saatgut-Wirtsch.* 18(8):266-269. Aug. 1966. 61.8 S41
- 16493 NORTON, J. D. Tomato varieties for greenhouse production. *Highlights Agr. Res.* [Ala. Sta.] 13(3):9. Fall 1966. 100 AL1H
- 16494 PAUSE, J. Possibilities of the simplification of chicory production in hotbeds. (Ge) *Arch. Gartenbau* 142(3):121-128. 1966. 80 Ar2
English summary.
- 16495 PINCHINAT, A. M. Bean culture in Central America. (Sp) *Ext. Amer.* 11(2):27-32. Ref. 1966. 275.249 Ex8
- 16496 POPOVYCH, F. YA., and NIKOLAEVSKA, A. O. Better tomato varieties suitable for soil-less culture. (Uk) *Visnyk Sil's'kohospodar.* Nauk. 8:50-53. Ref. Aug. 1965. 20 V82
Russian summary.
- 16497 ROGERS, I. S., and GURSANSKY, J. A. Tomatoes—outdoor and glasshouse. 2. S. Australia *J. Agr.* 69(12):437-445. July 1966. 23 So84
Outdoor.
- 16499 ROSS, R. W., and ROWE, P. R. Supplement to Inventory of tuber-bearing *Solanum* species; interspecific hybrids and introduced varieties. *Wis. Agr. Exp. Sta. Bull.* 533, 32 p. Ref. July 1966. 100 W75
U. S. Department of Agriculture, and State Agricultural Experiment Stations, cooperating.
Includes taxonomy.
- 16499 ROWE, P. R. The United States potato collection. *Amer. Potato J.* 43(8):278-285. Ref. Aug. 1966. 75.8 P842
Potato Introduction Project to provide germ-plasm material to U. S. plant breeders; inter-regional project, physical plant at Sturgeon Bay, Wisconsin.
- 16500 SAWYER, D., and SAWYER, P. Our favourite crops for the freezer. *Brit. Goat Soc. Year Book* 1966:33-36. 40.19 B77
Chiefly growing vegetables and fruits for freezing; includes goats' compost for fertilizer.
- 16501 SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Tomatoes. Va. Polytech. Inst. Ext. Circ. 698, rev., 4 p. Aug. 1966. 275.29 V81C
Culture.
- 16502 SELS, J. Comparative trials of tomato varieties for greenhouse. (Fl) *Tuinbouwberichten* 29(11):465. Nov. 1965. 80 T817
- 16503 SHAUMLYAN, I. K. Growing vegetables and melons on scientific foundations. (Ru) *Vestnik Sel's'kokhoz. Nauk.* [Moscow] 8:67-74. Aug. 1966. 20 V633
English summary.
- 16504 SINGH, K., and VIRK, J. S. A note on the effect of cultural and manurial treatments on the growth and yield of Mash [*Phaseolus mungo*] and Moong [*Phaseolus aureus*] crops on alluvial soils. *Indian J. Agron.* 10(1):50. Mar. 1965. 22 In35
- 16505 SMEDT, A. DE. Notes on lettuce culture. (Fl) *Tuinbouwberichten* 29(11):466-467. Nov. 1965. 80 T817
Greenhouse culture.
- 16506 SPAURING, J., and LINZNER, R. Bird rape and winter rape, two most responsive varieties among the new ones. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(12):298-302. Aug. 20, 1966. 21.5 So14
Tests.

- 16507 STRYDOM, G. J. Studies on the planning of field experiments with vegetable crops. S. Afr. J. Agr. Sci. 9(1):183-194. Ref. Mar.1966. 24 Su3
With onions, tomatoes and peas.
- 16509 SVENSSON, E. A brief report on sprouting trials with factory potatoes. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1966:51-54. 75.8 Sv2
- 16509 SVERIGES POTATISODLARES RIKSFÖRBUND. Potatis [Potatoes], 1966. Kristianstad, 1966. 58 p. 75.8 Sv2
Varieties.
- 16510 TEWARI, G. P. Effect of planting-date on nodulation and dry-matter yield of cowpea in Nigeria. Exp. Agr. 2(1):45-47. Jan.1966. 10 Ex72
- 16511 THUN, M. Progeny research with potatoes. (Ge) Lebendige Erde 2:56-58. Mar./Apr.1966. 18 L49
- 16512 TKACHENKO, F. A. Growing seed potato in Bulgaria. (Uk) Visnyk Sil'skokhospodar. Nauk. 4:111-113. Apr.1965. 20 V82
- 16513 TURI, I. Experiences in greenhouse culture of mushroom. (Hu) Kerteszeti Szolozs. 15(15):16-17. Aug.1966. 80 K474
- 16514 UMAERUS, V. Breeding for nematode resistance in Svalov. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1966:49-51. 75.8 Sv2
Potatoes.
- 16515 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing vegetables in the Appalachian Region. U. S. D. A. Home Gard. Bull. 116,22 p. July 1966. 1 Ag84Hg
- 16516 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing vegetables in the Appalachian Region. U. S. D. A. Home Gard. Bull. 116,slightly rev.,22 p. Oct.1966. 1 Ag84Hg
- 16517 VITTM, M. T., and SANDSTED, R. F. Seed shortage for snap beans in 1966. What can we do about it? Farm Res. [N. Y. Sc.] 31(4):12-13. Jan./Mar.1966. 100 N48A
- 16519 VULCHEV, P. Studies on economic properties of certain early and medium early foreign potato varieties. (Bu) Rastenievudni Nauk. 2(10):13-18. 1965. 64.8 R18
English summary.
- 16519 WILDE, J. DE. Illumination of tomato plants in greenhouse culture. (Fl) Tuinbouwberichten 29(14):480-483. Nov.1965. 80 T817
- 16520 WINDEN, W. P. VAN. Growing lettuce. (Du) Groenten Fruit 22(9):347. Sept.7,1966. 80 G59
- 16521 WITCZ, G. Weser-Ems Seed Producer Association [Saatguterzeugergemeinschaft Weser-Ems]. (Ge) Kartoffelbau 16(1):17. Jan.1965. 75.8 K145
Chiefly on its Potato Branch.
- 16529 KILBY, W. W. Proper cultivation and management for tung orchards. Amer. Tung News 17 (5):8-9. Ref. May 1966. 307.8 Am33
- 16529 KOZŁOWSKA, M. Investigation on garlic cultivated in southern Poland. (Pol) Roczn. Nauk Roln. 91-A-2:383-408. Ref. 1966. 20.5 R59
English summary.
- 16530 LARYEA, A. A. Extension and training. Ghana Farmer 9(3):104-108,115. Aug.1965. 24 G564
Cocoa industry.
- 16531 MELCHER, R. Further observations and experiments with natural chimeras of Mirabilis jalapa L. (Ge) Z. Pflanzenzucht 55(4):383-399. Ref. July 1966. 450 Z36
English summary.
Resulting from breeding.
- 16532 MINKOV, S. Study on the new poppy varieties P-360 and C-188 in Sandanski Region. (Bu) Rastenievudni Nauk. 2(8):39-46. 1965. 64.8 R18
English summary.
- 16533 PINTO, M. F. Promotion and improvement of the African oilpalm. III. (Por) Gaz. Agr. Angola 11(8):1306-1307,1309-1310. Aug.1966. 24 G252
- 16534 POPOV, P., and DIMITROV, I. On some manifestations of heterosis effect in poppy grown for opium. (Bu) Rastenievudni Nauk. 3(4):25-42. 1966. 64.8 R18
English summary.
- 16535 PORRES A, M. A. A new propagation method for black pepper (Piper nigrum). (Sp) Rev. Cafetalera 58:21-23. June 1966. 68.28 R322
- 16536 ROSENGURTT, B. New crops screening of native plants of Uruguay and adjacent Argentina, Brazil and Paraguay of potential use in the agriculture of the United States; final technical report. Montevideo. Laboratorio de Botanica, Facultad de Agronomia, Universidad de la Republica, 1966. 26 p. SB108.U8R6
Industrial and drug plants.
- 16537 STENZEL, E. Local herb plants. (Ge) Acta Phytotherap. 13(3):42-44. Mar.1966. 450 Ac88
Includes drug plants.
- 16539 WALSHAW, E. R. A winter honey plant [Dombeval]. Amer. Bee J. 106(6):221. June 1966. 424.8 Am3
Florida.
- 16539 WHITBY, G. S. Malaya revisited. Rubber Development. 19(3):102-109. 1966. 305.8 R828
Hevea culture and latex composition.
- 16540 ZHADANOV, N. M. Increasing production of peppermint and peppermint oil. (Ru) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:126-127. Aug.1966. 20 V633
Chiefly culture.

PLANT PATHOLOGY AND PROTECTION

Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)

- 16522 ATANASOV, ZH. Study on lavender renovation. (Bu) Rastenievudni Nauk. 3(1):103-108. 1966. 64.8 R18
English summary.
Culture.
- 16523 CHKHADZE, I. I. On the possibility of tea culture in the Ulevi area in higher Imeretia. (Ru) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 3:41-44. 1965. 68.19 M28
English summary.
Introduction.
- 16524 COOK, V. A. Pruning cocoa. Cocoa Growers' Bull. 7:20-22. Summer 1966. 68.38 C642
- 16525 HARTLING, C. Poisonous plants [Solanum dulcamara] in pharmacology. (Ge) Acta Phytotherap. 13(3):50-51. Mar.1966. 450 Ac88
- 16526 HOCKING, G. M. Fagaria coco folia: a note. Acta Phytotherap. 13(3):41-42. Mar.1966. 450 Ac88
Fagara coco as drug plant in Argentina.
- 16527 INDIAN COFFEE BOARD. RESEARCH DEPT. Eighteenth annual report, 1964-65. Detailed technical report. n.p., 1965? 108 p. 68.29 In24B
- 16541 ALFARO MORENO, A. Plaguicidas agricolas; formulario y guia de aplicacion [Agricultural pesticides; formulas and guide to application]. Madrid, 1966. 238 p. Ref. SB951.A4
Chiefly control of plant fungus diseases, animal pests, and weeds.
- 16542 ASSOCIATION DE COORDINATION TECHNIQUE AGRICOLE. Guide pratique de defense des cultures [Practical guide of crop protection]. Paris, 1966. 230 p. Ref. SB601.A8
- 16543 BANKI, L. Comparison of effectiveness of plant protection materials. (Hu) Magyar Kem. Lapja 21(7):360-367. Ref. July 1966. 385 M27
English summary.
Insecticides and fungicides.
- 16544 BONING, K. The economic importance of plant protection in the framework of modern agriculture. (Ge) Gesunde Pflanzen 18(1):1-3. Jan.1966. 464.8 G33
- 16545 CROSBY, D. G. Natural pest control agents. Advances Chem. Ser. 53:1-16. Ref. 1966. 381 Ad93
Insecticides and plant disease inhibitors.

- 16546 CROSBY, D. G. Natural pest control agents; a symposium sponsored by the Pesticides Subdivision of the Division of Agricultural and Food Chemistry at the 149th meeting of the American Chemical Society, Detroit, Mich., April 8, 1965. *Advances Chem. Ser.* 53, 146 p. 1966. 381 Ad93
Bibliography, p.136-141.
Insecticides and plant disease inhibitors.
- 16547 DIERCKS, R. Critical observations on the state of plant protection warning system. (Ge) *Gesunde Pflanzen* 18(3):51-56. Ref. Mar.1966. 464.8 G33
- 16548 DREES, H. Plant protection materials and plant protection regulations. (Ge) *Gesunde Pflanzen* 17(11):213-215. Nov.1965. 464.8 G33
- 16549 FISCHER, H. Rationalization and plant protection. (Ge) *Gesunde Pflanzen* 18(1):3-5. Jan. 1966. 464.8 G33
Includes mechanization.
- 16550 GLADKINA, T. S. Distribution of some rodent in north Kazakhstan. (Rus) *Zool. Zhur.* 45(6): 947-949. 1966. 410 R92
English summary.
Plant pests.
- 16551 HANSEN, K. The development of plant sanitation products in the course of 50 years and their importance to the future of the world. (Sp) *Afinidad* 23(244):291-307. July/Aug.1966. 385 Af4
Economic poisons.
- 16552 HEDDERGOTT, H. Thoughts on the reorganization of the plant protection service in the district of the Chamber of Agriculture of Westphalia-Lippe [Landwirtschaftskammer Westfalen-Lippe]. (Ge) *Gesunde Pflanzen* 18(1):6-8. Jan.1966. 464.8 G33
- 16553 HEY, A. Possibilities and limits in the application of economic poisons in the protection of plants from diseases and pests. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)* 19(3):57-65. 1965. 464.9 N11
English summary.
Includes weed control.
- 16554 HILL, A. C. The extent of use of pesticides in Pakistan. *PANS (Pest Articles News Sum.)* Sect. A, *Insect Contr.* 12(3):151-159. Aug.1966. 423.92 G798
In plant protection.
- 16555 JORG, J., HOURIET, R., and SPITELLER, G. Mass spectra in plant sprays. (Ge) *Monatsh. Chem.* 97(4):1064-1087. 1966. 384 M74
English summary.
Pesticides and growth regulators.
- 16556 KABIERSCH, W. Trade of plant protection materials in theory and practice. (Ge) *Gesunde Pflanzen* 17(12):241-244. Dec.1965. 464.8 G33
- 16557 KYNASS, W. Tasks of plant protection in fulfilling the 1966 national plan. (Ge) *Feldwirtschaft* 7(4):179-180. Apr.1966. 18 W763
East Germany.
- 16558 LYLE, J. A. Weather affects plant disease development. *Highlights Agr. Res. [Ala. Sta.]* 13(3):10. Fall 1966. 100 AL1H
- 16559 NIEMOLLER, A. Courses for plant protection technicians in Rheinland-Pfalz. (Ge) *Gesunde Pflanzen* 17(11):220-221. Nov.1965. 464.8 G33
- 16560 PAULINI, E., and CAMEY, T. New type of molluscicide with systemic action. (Por) *Rev. Brasil. Malariol. Doencas Trop.* 17(4):349-353. Oct./Dec.1965. 448.8 R3283
English summary.
Diquat and paraquat tested on snails.
- 16561 ROSSETTI, V., NAKADAIRA, J. T., and CALZA, R. Observations on diseases and pests of citrus on the coast of Argentina and Uruguay. (Por) *Biologico* 31(10):203-215. Ref. Oct. 1965. 442.8 B529
- 16562 SERRURIER, A. The fight against birds in equatorial Africa. (Fr) *Mach. Agr. Trop.* 13: 28-33. Jan./Mar.1966. 58.8 M186
English summary.
Crop pests; especially use of airplanes.
- 16563 STADE, S. Protection from game damage in the fall and winter months. (Ge) *Chem. Tech. Landwirt.* 17(3):326-327. 1966. 384 C4292
Plants.
- 16564 STAKMAN, E. C. Pest, pathogen, and weed control for increased food production. *Nat. Acad. Sci. Proc.* 56(2):376-381. Aug. 15, 1966. 500 N21P
- 16565 TULLIO, V., and CASARINI, C. Cooperation in plant protection. (It) *Ital. Agr.* 103(7/8): 645-650. July/Aug.1966. 16 It1
- 16566 VEZ, A. Crop rotation and soil fatigue. (Fr) *Agr. Romande (ser.A)* 5(9):88-90. Sept.1966. 17 Ag8
Plant disease, soil microflora, and toxic substances as limiting simplification of rotations.
- 16567 ZAYANCHKOVSKI, I. F. Vragi nashikh vragov [Enemies of our enemies]. Moskva, Molodaya Gvardiya, 1966. 271 p. SB993.23
Biological control of plant pests.

Diseases of Field Crops

- 16568 BARDE, H. Technical aspect of the production of grain, red clover, and Italian rye grass certified seeds. (Fr) *Agr. Romande (ser.A)* 5(5): 51-64. May 1966. 17 Ag8
Disease, weed, and pest control.
- 16569 BARROWS, G. A Pandora's Box of pests and diseases? As the pace of intensification with cereals quickens, asks whether pests and diseases will have the last say. *Farming Progr.*, Oct.1966:2-3. 10 F2244
Fungus diseases.
- 16570 BERNATH, S. The influence of Hermal L and other poisons on the hemp. (Cz) *Len Konopi* 5:163-172. 1965. 73.8 L543
English summary.
Fungicides and insecticides.
- 16571 HAMAR, M. The prospects of utilizing herbicides in controlling field rodents. (Rum) *Probl. Agr. [Bucharest]* 18(9):48-57. Ref. Sept.1966. 21 R862
- 16572 LANNING, F. C. Relation of silicon in wheat to disease and pest resistance. *J. Agr. Food Chem.* 14(4):350-352. Ref. July/Aug.1966. 381 J8223
- 16573 PAVLOV, P. Some observations on the red and yellow canker of wheat. (Bu) *Rastenievudn. Nauk.* 2(1):159-164. 1965. 64.8 R18
Causes not certain; includes resistant varieties.
- 16574 PRADO, F. A. DEL. Overzicht van de belangrijkste ziekten en plagen van landbouwgewassen [Review of the most important diseases and pests of agricultural crops]. Surinam. Landbouwproefsta. Mededel. 37, 39 p. Mar.1966. 102.5 D95
Field and horticultural crops.
- 16575 RAMSON, A. New fungicides and insecticides for use in field work. (Ge) *Feldwirtschaft* 7(4):201. Apr.1966. 18 W763
East Germany.
- 16576 STRAKA, F. Study of nutrition and reproduction of forest mice (*Apodemus sylvaticus* L.) in Bulgaria. (Bu) *Rastenievudn. Nauk.* 2(7):153-161. Ref. 1965. 64.8 R18
Field crop pest.

Diseases of Horticultural Crops

- 16577 KEARNS, H. G. H. Developments in spray techniques for plant protection of temperate and tropical crops. *J. Roy. Hort. Soc. J.* 91(9):376-382. Sept.1966. 84 L24J
- 16578 KERÉKES, GY. Chemical control experiences in wildlife damages. (Hu) *Kerteszet Szolesz.* 15(19):20. Oct.1966. 80 K474
In fruit orchards.
- 16579 KLEMENT, Z., and others. Health conditions of Mako red onions. (Hu) *Magyar Mezőgazdaság* 21(42):14-15. Oct.19,1966. 19 M27
J. Cs. Podhradzsky, L. Kovacs, and O. Szatala, joint authors.
Various diseases.
- 16580 LANGVAD, B. Our turf standard. (Sw) *Veibullis Allehanda* 26:22-29. 1966. 80 W42
Chiefly frost injuries and diseases.

- 16581 MILLIMAN, L. H. Orchard tours; pest problems remain despite crop failures. *Agr. Chem.* 21(9):87-88. Sept. 1966. 381 Ag8
Sprays for various types of plant protection.
- 16582 WILLIAMS, A. T. Orchard mice can gnaw away your fruit profits. *Agway Coop.* 2(9):8. Sept. 1966. 280,28 Ag9
Chiefly apple and peach trees; includes control.

Diseases of Forest Trees

- 16583 BRANDT, R. W., and KOWAL, R. J. Disease and insect research in the United States Forest Service. *Mo. Log* 19:26-32. 1966. 99.8 M696
- 16584 BRETZ, T. W. Tree diseases in Missouri. *Mo. Log* 19:33-35. 1966. 99.8 M696
- 16585 LAUENSTEIN, E. The situation of forest damage occurrences in the German Democratic Republic and prognosis for 1966. (Ge) *Sozialistische Forstwirtschaft.* 16(7):197-201, map. July 1966. 99.8 W143
English summary, p.224.
Disease and pest control.
- 16586 NAIR, P. N. The main forest pests and diseases in U.S.S.R. and the methods of their control. *Indian Forest.* 92(8):536-543. Aug. 1966. 99.8 In2

Bacterial Diseases

- 16587 CHAKRAVARTI, B. P., and RANGARAJAN, M. Streptocycline, an effective antibiotic against bacterial plant pathogens. *Hindustan Antibiot. Bull.* 8(4):209-211. May 1966. 396.8 H58
- 16589 KOSUGE, T., HESKETT, M. G., and WILSON, E. E. Microbial synthesis and degradation of indole-3-acetic acid. I. The conversion of L-tryptophan to indole-3-acetamide by an enzyme system from *Pseudomonas savastanoi*. *J. Biol. Chem.* 241(16):3738-3744. Ref. Aug. 25, 1966. 381 J824
- 16589 MATYSHEVS'KA, M. S. Effect of phytopathogenic bacteria on the host plant and modern theory of immunity. (Uk) *Mikrobiol. Zhur.* 26(5):79-87. Ref. 1964. 448.3 K54

Bacterial Diseases - Field Crops

- 16590 BEL'TYUKOVA, K. H., and MATYSHEVS'KA, M. S. Use of microelements for control of alfalfa and clover bacteriosis. (Uk) *Mikrobiol. Zhur.* 26(4):66-70. Ref. 1964. 448.3 K54
English summary.
Caused by *Pseudomonas* and *Corynebacterium*.
- 16591 DODOV, D. N., KAROVA, V. M., and LICHEV, S. Cotton seed treatment against angular leaf-spot [*Pseudomonas malvacearum*] and root-rot diseases [*Fusarium*, *Rhizoctonia*, *Pythium*]. (Bu) *Rastenievudni Nauk.* 3(3):107-126. Ref. 1966. 64.8 R18
English summary.
- 16592 KUCHERENKO, L. V. Study of *Pseudomonas aptata* Brown et Jamieson, agent of sugar beet bacteriosis under conditions of the Ukrainian SSR. (Uk) *Mikrobiol. Zhur.* 27(5):26-35. Ref. 1965. 448.3 K54
English summary.
- 16593 MURAS, V. O. Pustular bacteriosis of soybeans and the biology of its agents. (Uk) *Mikrobiol. Zhur.* 26(4):62-66. 1964. 448.3 K54
English summary.
Xanthomonas phaseoli *sojensis*.
- 16594 SCHNATHORST, W. C. Eradication of angular leaf spot of cotton. *Calif. Agr.* 20(5):11-12. May 1966. 100 C12Cag
Caused by *Xanthomonas malvacearum*.

Bacterial Diseases - Horticultural Crops

- 16595 BASU, P. K., and WALLEN, V. R. Influence of temperature on the viability, virulence, and physiologic characteristics of *Xanthomonas phaseoli* var. *fuscans* in vivo and in vitro. *Can. J. Bot.* 44(10):1239-1245. Ref. Oct. 1966. 470 C16C
- 16596 BEL'TYUKOVA, K. H., KOROL'OVA, I. B., and SAMOILENKO, V. I. Use of *Trichoderma* 5320 (*Trichoderma koningi* Oud.) against *Pseudomonas lachrymans* (Erw. Smith & Bryan) Garsner-agent of angular leaf spot of cucumbers. (Uk) *Mikrobiol. Zhur.* 26(5):8-11. Ref. 1964. 448.3 K54
English summary.
- 16597 BOLAY, A. Especially dangerous diseases forming the object of special plant sanitation prescriptions: fire blight of pears (*Erwinia amylovora* (Burri) Winslow et al.). (Fr) *Agr. Romande* (ser.A)5(7/8):81. July/Aug. 1966. 17 Ag8
- 16599 CROSSE, J. E., and GARRETT, C. M. E. Bacterial canker of stone-fruits. VII. Infection experiments with *Pseudomonas mors-prunorum* and *P. syringae*. *Ann. Appl. Biol.* 58(1):31-41. Ref. Aug. 1966. 442.8 An72
Plums and cherries.
- 16599 DEWOLFE, T. A., and others. Control of citrus blast in northern California. *Calif. Agr.* 20(8):12-13. Aug. 1966. 100 C12Cag
H. C. Meith, A. O. Pauls, F. Shibuya, L. J. Klotz, R. B. Jeter, and M. J. Garber, joint authors.
Caused by *Pseudomonas syringae*.
- 16600 GINDRAT, D. Annular bacteriosis of potatoes (*Corynebacterium sepedonicum* (Spiek. et Kott.) Skap. et Burk.). (Fr) *Agr. Romande* (ser.A)5(7/8):82. July/Aug. 1966. 17 Ag8
- 16601 KNOSEL, D., and THILL, H. On the occurrence of *Pseudomonas syringae* van Hall in the southwestern Germany in 1965 and measures for its control. (Ge) *Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz* 73(5):266-270. Ref. May 1966. 464.8 Z3
English summary.
On cherries; chemical control.
- 16602 MASSFELLER, D., and SCHMIDLE, A. *Pseudomonas mors-prunorum* on pears in Germany; preliminary report. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 18(4):49-51. Apr. 1966. 442.9 B832
Bacterial diseases.

Fungus Diseases

- 16603 BLOK, I. Wilt disease of Clematis. (Du) *Beskoop. Ver. Boekst. Boomkwekerij. Jaarb.* 1965:80-82. 1966. 86 B65
- 16604 HARTOG, C. DEN. Some notes on the distribution of *Plasmodiophora dictyodictyon*, a parasitic fungus on species of *Halodule*. *Persoonia* 4(1):15-18, map. 1965. QK600.P4
Cause of disease.
- 16605 HOFFMAN, E., SARACZ, A., and BARNED, J. R. Phenylmercury compounds as fungicides. *IV. Oil Colour Chem. Ass. J.* 49(8):631-638. Ref. Aug. 1966. 306.9 O15
Tests of fungi resistance to paint.
- 16606 LUCAS, R. E., DAVIS, J. F., and LACY, M. L. Verticillium wilt control in mint—progress report. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(4):521-528. May 1966. 100 M58S
Wilt caused by *Verticillium dahliae* on *Mentha piperita* and *M. spicata*.
- 16607 LUKENS, R. J. The fungitoxicity of compounds containing a trichloromethylthio group. *J. Agr. Food Chem.* 14(4):365-367. Ref. July/Aug. 1966. 381 J8223
- 16608 MIKHAILEVSKAYA, O. B. A new method for detecting the mycelium of parasitic fungi in the tissues of host plants. (Rus) *Bot. Zhur. [Moscow]* 51(3):395. Mar. 1965. 451 R923

- 16609 PAZ, M. H. Anthracnose of coffee and its control. (Sp) Rev. Cafetalera 58:19-20, June 1966. 68.28 R322
- 16610 PIANKA, M., EDWARDS, J. D., and SMITH, C. B. F. Studies in fungitoxicity. V. Fungicidal activity of certain dithiocarbamates. J. Sci. Food Agr. 17(9):407-416. Ref. Sept. 1966. 382 So12
- In control of *Venturia inaequalis* and other fungus diseases.
- 16611 PRIOR, P. V. A new fungal parasite of mosses. Bryologist 69(2):243-246. Summer 1966. 450 B84
- Leptodictyum riparium* parasitized by *Stemphylium botryosum*.
- 16612 RYAN, C. L. J. Verticillium [dahliae] wilt of sage (*Salvia officinalis* L.). Ann. Appl. Biol. 58(1):71-79. Ref. Aug. 1966. 442.8 An72
- 16613 THIND, K. S., and MANDAHAR, C. L. A fungus on the leaflets of *Cassia revoluta* Thunb. Punjab Univ. Res. Bull. (n.s.)16(4):313-314. Dec. 1965. 513 Ea72
- Teichospora indica*.
- 16614 VERSCHUUREN, H. G., and others. Short-term toxicity studies with triphenyltin compounds in rats and guinea-pigs. Food Cosmet. Toxicol. 4 (1):35-45. Feb. 1966. 391.8 F73
- R. Kroes, H. H. Vink, and G. J. Van Esch, joint authors.
- Agricultural fungicides.
- Fungus Diseases - Field Crops
- 16615 BENI, G. Tests on control of grain rust. (It) Prog. Agr. [Bologna] 12(7):693-700. July 1966. 58.8 P94
- Puccinia triticina*, *P. graminis* tritici, and *P. glumarum* on wheat; includes control costs.
- 16616 BUCHENAU, G. W., and CARLSON, L. W. Chemical control of wheat stem and leaf rust. S. Dak. Farm Home Res. 17(2):4-7. Spring 1966. 100 So82S
- 16617 CHEN, T. H., and WANG, C. S. Morphological study on the causal organism of cane smut in Taiwan. Taiwan Sugar 12(4):11-13. Oct./Dec. 1965. 65.8 T133
- Chiefly *Ustilago scitaminea*.
- 16618 COLE, J. S. Powdery mildew of tobacco (*Erysiphe cichoracearum* DC.). V. Susceptibility of proximal and distal parts of leaves from different stalk positions on intact and topped field plants in relation to free amino nitrogen and carbohydrate content. Ann. Appl. Biol. 58(1):61-69. Aug. 1966. 442.8 An72
- 16619 DOLING, D. A., and HERVEY-MURRAY, C. G. *Ustilago nuda* in Cappelle-Desprez winter wheat. Brit. Mycol. Soc. Trans. 49(3):437-441. Sept. 1966. 451 B76
- 16620 FRITZ, T. Vigour tests of cereal seed. (Sw) Sweden. Statens Cent. Frokrotrollanst. Meddel. 41:42-98. Ref. 1966. 61.9 Sw3
- English summary.
- Includes infection with pathogenic fungi.
- 16621 GOENAGE, A., and PLAISTED, P. H. Production of diammonium oxalate monohydrate by *Sclerotium rolfsii* Sacc. Boyce Thompson Inst. Contrib. 23(6):251-252. Apr./June 1966. 451 B69
- Pathogenic to wheat.
- 16622 GREEN, G. J. Selfing studies with races 10 and 11 of wheat stem rust. Can. J. Bot. 44(10):1255-1260. Oct. 1966. 470 C16C
- Puccinia graminis* tritici.
- 16623 HERMANSSEN, J. E. Use of detached leaves to test the viability of stored conidia of barley mildew (*Erysiphe graminis* DC.). Denmark. Vet.-Landbohojsh. Arsskr., 1966:61-67. 104 D41A
- 16624 JOOSTE, W. J. The effect of different crop sequences on the rhizosphere fungi of wheat. S. Afr. J. Agr. Sci. 9(1):127-135. Ref. Mar. 1966. 24 Su3
- 16625 JORGENSEN, J. Experiments with a biological assay method for qualitative and quantitative determination of fungicides on seeds of cereals. (Da) Tidsskr. Planteavl 70(2):244-253. 1966. 11 T439
- English summary.
- 16626 KILLE, T. Disease control in seedbeds; eelworm control in the lands. Rhodesian Tobacco J. 18(9):19-20. Sept. 1966. 69.8 R34
- Fungicides and fumigation.
- 16627 KOBELEVA, E. M. *Puccinia maydis* on cobs of different corn varieties. (Uk) Visnyk Sil's'kohospodar. Nauk. 7:65-67. July 1965. 20 V82
- Russian summary.
- 16629 KOLK, H. Determination and occurrence of seedling-injuring pathogenic fungi on Swedish seed of cereals. (Sw) Sweden. Statens Cent. Frokrotrollanst. Meddel. 41:99-106. Ref. 1966. 61.9 Sw3
- English summary.
- 16629 KRASIL'NIKOV, N. A., KHODZHIBAIEVA, S. M., and MIRCHINK, T. G. Production of toxic substances by *Verticillium dahliae*-causal organism of cotton wilt. (Rus) Agrokhiimiya 10:128-134. Ref. Oct. 1965. 385 Ag69
- 16630 KULK, M. M., and JUSTICE, O. L. Survival of two storage fungi after gamma radiation of host seeds. Radiat. Bot. 6(5):407-412. Ref. Oct. 1966. 450 R11
- Aspergillus amstelodami* and *A. flavus* on field crops studied.
- 16631 LANAK, J. Protection of sugar beets against Cercospora. (Cz) Za Vysokou Urodu 14(7):272. July 1966. 64.8 Z12
- 16632 LUNDERSTADT, J. Effect of rust infection on hexokinase activity and carbohydrate dissimilation in primary leaves of wheat. Can. J. Bot. 44(10):1345-1364. Ref. Oct. 1966. 470 C16C
- Caused by *Puccinia graminis* tritici.
- 16633 LUNDIN, P. Quicksilver and seed grain. (Sw) Weibulls Arsbok 1966:9-11. 61.9 W42W
- For the control of fungus diseases of grain.
- 16634 MCKEEN, W. E., SMITH, R., and MITCHELL, N. The haustorium of *Erysiphe cichoracearum* and the host-parasite interface on *Helianthus annuus*. Can. J. Bot. 44(10):1299-1306. Ref. Oct. 1966. 470 C16C
- 16635 MICHAEL, S. H., and CARR, A. J. H. Italian rye-grass, a new host for *Ligniera junci*. Brit. Mycol. Soc. Trans. 49(3):411-418. Ref. Sept. 1966. 451 B76
- Includes *Fusarium culmorum* as pathogen.
- 16636 NIETZKE, Beet seed production and downy mildew (*Peronospora schachtii*). (Ge) Gesunde Pflanzen 18(2):33-36. Feb. 1966. 464.8 G33
- Includes control.
- 16637 PODHRADSKY, J. Damages caused by head smut in corn. (Hu) Magyar Mezogazdasag 21 (36):15. Sept. 7, 1966. 19 M27
- 16638 POLYANICHKO, O. F., and RUNOV, V. I. Response of different wilt resistant cotton varieties to infection with *Verticillium dahlia* and *Fusarium vasinfectum*. (Rus) In Materiialy Vses. simpisium po bor'be viltom khlopatchnika 1963:61-63. 1964. Not in Libr.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod 16:32-33. Aug. 1965. Film S-202
- 16639 RALSKI, E. Studies on cereal rusts; final research report. Krakow. Plant Breeding and Acclimatization Institute, Immunology Division, 1966. 6 p. SB41.R833
- Cooperating with U. S. Department of Agriculture, Agricultural Research Service (Grant of Contract No. FG-Po-125-61).
- Caused by *Puccinia* spp.
- 16640 RAO, M. V., and RAO, A. S. *Fusarium* [oxysporum vasinfectum] of cotton in relation to inoculum potential. Brit. Mycol. Soc. Trans. 49(3):403-409. Ref. Sept. 1966. 451 B76
- 16641 SABET, K. A., SAMRA, A. S., and MANSOUR, I. S. Interaction between *Fusarium oxysporum* F. vasinfectum and *Cephalosporium maydis* on cotton and maize. Ann. Appl. Biol. 58(1):93-101. Ref. Aug. 1966. 442.8 An72
- 16642 SKELLY, J. M., and WOOD, F. A. The occurrence and etiology of an annual canker of sugar maple in Pennsylvania. Can. J. Bot. 44(10):1401-1411. map. Ref. Oct. 1966. 470 C16C
- Caused by *Fusarium solani*.
- 16643 SREERAMULU, T., and VITTAL, B. P. R. Periodicity in the air-borne spores of the rice false smut fungus, *Ustilaginoida vires*. Brit. Mycol. Soc. Trans. 49(3):443-449. Sept. 1966. 451 B76

- 16644 STODDART, J. L., and CARR, A. J. H. Properties of wilt-toxins produced by *Verticillium albo-atrum* Reinke & Berth. *Ann. Appl. Biol.* 58(1):81-92. Ref. Aug. 1966. 442.8 An72 In lucerne.
- 16645 STOESSL, A. Some antifungal factors in barley. *Advances Chem. Ser.* 53:80-89. 1966. 381 Ad93
- 16646 TEMPE, J. DE. Experiments on seed weakness. II. (Du) Wageningen. Rijksproefsta. *Zaadcontr. Meded.* 17:68-71. Jan. 1966. 61.4 W12M English summary. Influence of *Fusarium* infection of seeds on emergence of wheat.
- 16647 TERNING, P. E. Chemical treatment of spring seed grain. (Sw) Malmohus Lans Hushallnings. *Svartalsskr.* 4:365-368. 1965. 11 M29 For the control of fungus diseases.
- 16648 TOFFANO, W. B. New observations on the coal disease of sugarcane. (Por) *Biologico* 32(8): 171-178. Aug. 1966. 442.8 B529 English summary. Caused by *Ustilago scitaminea*.
- 16649 TOLBA, M. K., SALAMA, A. M., and ALI, M. I. Effect of seed dressing with "granosan" on the prevalence of fungi in the root zone of cotton plants. *Nature [London]* 211(5054):1217-1218. Ref. Sept. 10, 1966. 472 N21
- 16650 VASILEV, M., and TRIFONOV, S. Study of *Fusarium* caused disease of wheat in Targovishte Region. (Bu) *Rastenievudni Nauk.* 2(9): 109-116. 1965. 64.8 R18 French summary.
- 16651 VON WECHMAR, M. B. Investigation on the survival of *Septoria nodorum* Berk. on crop residues. *S. Afr. J. Agr. Sci.* 9(1):93-100. Mar. 1966. 24 Su3 Of wheat.
- 16652 YEZRUKH, E. N., and BABUSHKINA, I. N. Survival in the soil of *Verticillium*, the causal organism of wilt of cotton. (Rus) *Bot. Zhur. [Moscow]* 50(12):1694-1701. Ref. Dec. 1965. 451 R923 English summary. *Verticillium dahliae* and *V. albo-atrum*.
- Fungus Diseases - Horticultural Crops**
- 16653 ABLAKATOVA, A. A. Mikoflora i osnovnye gribnye bolezni plodovo-yagodnykh rasteniy iuga Dal'nego Vostoka [Mycoflora and basic fungus diseases of fruit and berry plants in the southern Far East]. Moskva, Nauka, 1965. 146 p. SB608.F8A2
- 16654 ALLARD, C. Some aspects of the metabolism of *Ascochyta pisi* Lib. (Fr) *Phytopath. Pharm.* 14(2):89-97. June 1965. 246.9 P564 Includes physiology of its host plant, peas.
- 16655 BIERI, R. Dithane ultra, a modern fungicide. (Ge) *Kartoffelbau* 17(6):184-185. June 1966. 75.8 K145
- 16656 BLOK, I. Wilt disease of *Coniferae* and *Ericaceae*. (Du) *Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb.* 1965:79-80. 1966. 86 B65 Caused by *Phytophthora cactorum* and *P. cinnamomi*.
- 16657 BOHNEN, K., and HOFFMANN, E. Evaluation of Karathane for powdery mildew control in fruit. (Ge) *Schweiz. Z. Obst- Weinbau* 102 (10):255-257. May 14, 1966. 80 Sch9 Apples.
- 16658 BRUIN, H. J. DE. Control of *Rhizoctonia* disease. (Du) *Loonbedrijf Land- Tuinbouw* 19(9): 787, 789. Sept. 1966. 283.8 L87 On potatoes.
- 16659 BUSCH, L. V. Effect of Di-Syston on control of *Verticillium* wilt of Kennebec potatoes. *Amer. Potato J.* 43(8):286-288. Aug. 1966. 75.8 P842
- 16660 CAMPACCI, C. A., REZENDE, L. O. C., and NAKAMOTO, J. Field study with fungicides to control diseases on the leaves of onion. (Por) *Biologico* 32(8):184-188. Aug. 1966. 442.8 B529 Caused by *Alternaria* and *Macrosporium*.
- 16661 EVANS, E., and others. Some observations on size and biological activity of spray deposits produced by various formulations of copper oxychloride. *Ann. Appl. Biol.* 58(1):131-144. Ref. Aug. 1966. 442.8 An72 J. R. Cox, J. W. H. Taylor, and R. L. Runham, joint authors. Botrytis on broadbeans studies.
- 16662 FAWCETT, C. H., and SPENCER, D. M. Antifungal compounds in apple fruit infected with *Sclerotinia fructigena*. *Nature [London]* 211 (5048):548-549. July 30, 1966. 472 N21
- 16663 FRESA, R. *Sphaceloma perseae* en palta (*Persea americana*) [*Sphaceloma perseae* on avocado (*Persea americana*)]. *Rev. Invest. Agropecuar. Ser. 5, Patol. Veg.* 1(7):97-106. Ref. 1964. 464.8 R322 English summary.
- 16664 GANDY, D. G. *Iterosonia perplexans* on chrysanthemums: alternative hosts and ways of overwintering. *Brit. Mycol. Soc. Trans.* 49(3): 499-507. Sept. 1966. 451 B76 Cause of petal blight.
- 16665 GARTEL, W. Studies of the effect of temperature on the development of *Botrytis cinerea* Pers. with special regard to the production of grape grafts. (Ge) *Weinberg Keller* 12(10): 469-480. Oct. 1965. 95.8 W435 English summary.
- 16666 GEESTERANUS, H. P. M., and BARENDSEN, H. Host plants of *Agrobacterium gypsophillae*. *Neth. J. Plant Pathol.* 72(4):231-232. 1966. 464.8 T44 Roses, carnations, and cacti.
- 16667 GINDRAT, D. Wart gall of potatoes. (Fr) *Agr. Romande (ser. A)* 5(7/8):83-84. July/Aug. 1966. 17 Ag8
- 16668 GOODWIN, P. B. *Fusarium* causing breaking of dormancy in potato tubers. *Brit. Mycol. Soc. Trans.* 49(3):522-523. Sept. 1966. 451 B76
- 16669 HEIDENREICH, E. On the work technique in the control of *Phytophthora*. (Ge) *Kartoffelbau* 17(6):172-173. June 1966. 75.8 K145 *Phytophthora infestans* of potatoes.
- 16670 HERING, M. A contribution to the testing of preparations for the control of *Botrytis cinerea* Pers. in grape stands. (Ge) *Weinberg Keller* 12(1):15-20. Jan. 1965. 95.8 W435 English summary.
- 16671 HIELEMAN, W. Recommendations for the control of *Rhizoctonia*. (Ge) *Kartoffelbau* 17 (4):102-103. Apr. 1966. 75.8 K145 *Rhizoctonia solani* of potatoes.
- 16672 JACOB, M. Studies of possibilities of the use of liquid disinfectants in the decontamination of *Gladiolus* seeds. (Ge) *Arch. Gartenbau* 14 (2/3):183-192. Ref. 1966. 80 Ar2 English summary. Infected with *Stromatinia gladioli*.
- 16673 JOFFE, A. Z. Quantitative relations between some species of *Fusarium* and *Trichoderma* in a citrus grove in Israel. *Soil Sci.* 102(4):240-243. Ref. Oct. 1966. 56.8 S03
- 16674 JOHNSON, T. Experiments with hot water treatment against *Frodothidium* rot of apples 1964/1965. (Sw) *Eukotsodlaren* 37(2):51-53. Mar. 1966. 86 Sv2F
- 16675 KLOTZ, L. J., and others. Distribution of root-rotting fungi in citrus orchards as affected by soil oxygen supply. *Calif. Agr.* 20(6):15. June 1966. 100 C12Cag L. H. Stolzy, T. A. DeWolfe, and T. E. Szuszkiewicz, joint authors. Caused by *Thielaviopsis basicola*, *Phytophthora citrophthora* and *P. parasitica*.
- 16676 MCCAIN, A. H., and BYRNE, T. G. Chemical control of *Pythium* root rot in ornamentals with Dexon and Terrazole. *Calif. Agr.* 20(5):14-15. May 1966. 100 C12Cag Caused by *Pythium* and *Phytophthora* on *Zinnia elegans*.
- 16677 MCCORNACK, A. A., and BROWN, G. E. 2-aminobutane—a possible new fungicide for decay control of Florida citrus fruit. *Citrus Indus.* 47(9):7-9-10, 12. Sept. 1966. 80 C49

- 16678 MIKHAILOVA, P. Possibilities for use of certain systems in predicting appearance of potato blight (*Phytophthora infestans* de Bary) in Bulgaria. (Bu) *Rastenievudni Nauk.* 2(11):55-63. Ref. 1965. 64.8 R18
English summary.
- 16679 MOORBY, J., and MCGEE, S. Coiled-sprout in the potato: the effect of various storage and planting conditions. *Ann. Appl. Biol.* 58(1): 159-170. Aug. 1966. 442.8 An72
Verticillium nubilum studied in Great Britain.
- 16680 MULLER, E. W., and MUTSCHKE, H. Actual plant protection. (Ge) *Obstbau [Berlin]* 5(11): 175-176. Nov. 1965. 80 Ob79
Copper and sulfur fungicides in fruit culture.
- 16681 NEGRU, N. Identification and control of cryptogamous diseases of redpeppers during germination. (Rum) *Rev. Gosp. Agr. Stat.* 18(7):7-8. July 1966. 21 R32
- 16682 OLOFSSON, B. *Phytophthora erythroseptica*, a pathogenic fungi on potatoes. (Sw) *Sveriges Potatisodlars Riksförbund. Potatis* 1966:38-40. 75.8 Sv2
- 16683 OLOFSSON, B. Vine killing and vascular ring discoloration. (Sw) *Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser* 29(1):2-9. 1965. 464.9 Sw3V
To prevent late blight of potatoes.
- 16684 PALMITER, D. H. Apple tree cankers in relation to pruning. *Trans. Res. [N. Y. Sta.]* 31(4): 6-7. Jan./Mar. 1966. 100 N48A
Caused by *Sphaeropsis malorum* and *Valsa cincta*.
- 16685 PERESYPKIN, V. F., and LOBODA, L. S. Karathane in control of powdery mildew on cucumbers grown under cover. (Uk) *Visnyk Sil's' kohospodar. Nauk.* 8:70-75. Aug. 1965. 20 V82
Russian summary.
- 16686 PETROCZI, I. Diagnosis of ring disease of potato. (Hu) *Magyar Mezőgazdaság* 21(38):13-14. Sept. 21, 1966. 19 M27
Caused by *Fusarium oxysporum*.
- 16687 POLSPOEL, A. Club rot [*Plasmidiophora brassicae*] of cauliflour. (Fl) *Tuinbouwberichten* 29(11):473. Nov. 1965. 80 T817
- 16688 PRESEREN, T. Interesting effect of the insecticide dimecron in the control of the scurl. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(2):29-31. Feb. 9, 1966. 21.5 So14
Control of fungus diseases of fruit with fungicides mixed with dimecron.
- 16689 REZENDE, L. O. C., CAMPACCI, C. A., and PINHEIRO, E. Preliminary results of the control of apple scab. (Por) *Biologico* 31(10):222-223. Oct. 1965. 442.8 B529
Caused by *Venturia inaequalis*.
- 16690 RONDOMANSKI, W., and GRABOWSKA, K. New host plants of onion downy mildew, *Peronospora destructor* (Berk.) Fries. (Pol) *Rocz. Nauk Roln.* 91-A-2:441-454. Ref. 1966. 20.5 R59
English summary.
- 16691 SAUNDERS, P. J. W. Epidemiological aspects of blackspot disease of roses caused by *Diplocarpon rosae* Wolf. *Ann. Appl. Biol.* 58(1):115-122. Aug. 1966. 442.8 An72
- 16692 SAUNDERS, P. J. W. The toxicity of sulphur dioxide to *Diplocarpon rosae* Wolf causing blackspot of roses. *Ann. Appl. Biol.* 58(1):103-114. Ref. Aug. 1966. 442.8 An72
- 16693 SCHWOPE, D. Selection of the time for the control of scab diseases in regions with the small infection possibilities. (Ge) *Obstbau [Berlin]* 5(9):139-141. Sept. 1965. 80 Ob79
Fruit.
- 16694 SISAOKOVIC, V. On the utilization of orthophaltan. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(8): 184. June 18, 1966. 21.5 So14
In the control of *Peronospora* of grapes.
- 16695 SLADE, D. A. Recent advances in brown rot control. *Orchardist New Zeal.* 39(7):255, 257. Aug. 1966. 80 Or19
Caused by *Monilia fructicola* in peaches.
- 16696 SMITH, J. D. Fungal diseases of turf grasses. Ed. 2. Bingley, England, 1965. 97 p. Ref. SB733.S6
- 16697 STONE, W. J. H. Preliminary studies on the effects of plastic mulch on sclerotinia [Sclerotinia sclerotiorum] incidence in lettuce. *Nat. Agr. Plast. Conf. Proc., 6th Conf.*:57-58. 1965. 309.9 N216
- 16698 TROJAN, K. Diseases of the imported red-peppers. (Ge) *Gesunde Pflanzen* 18(3):50-51. Mar. 1966. 464.8 G33
Chiefly fungus and virus diseases.
- 16699 TUNBLAD, B. Instead of copper. (Sw) *Fruktodlaren* 37(2):49-50. Mar. 1966. 86 Sv2F
Various fungicides recommended for the spraying of apples.
- 16700 ULLRICH, J., and SCHROTER, H. Problem of the forecasting of the outbreaks of potato blight (*Phytophthora infestans*) and possibilities of its solution by a "negative forecasting." (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)* 18, i.e. 20(3):33-40. Ref. Mar. 1966. 464.9 N11
Includes statistical methods of research.
- 16701 UMBELTER, H. On the control of white rust of *Chrysanthemums*. (Ge) *Gesunde Pflanzen* 18(2):28-31. Feb. 1966. 464.8 G33
Caused by *Puccinia horiana*.

Fungus Diseases - Forest Trees

- 16702 DENBNOVETSKII, G. YU. Dothichiza [populea] necrosis of poplars. (Rus) *Bot. Zhur. [Moscow]* 51(2):291-292. Feb. 1966. 451 R923
- 16703 FARRIS, S. H. A staining method for mycelium of *Rhabdocline pseudotsugae* in Douglas-fir [*Pseudotsuga menziesii*] needles. *Can. J. Bot.* 44(8):1106-1107. Aug. 1966. 470 C16C
- 16704 FROELICH, R. C., DELL, T. R., and WALK-INSHAW, C. H. Soil factors associated with *Fomes annosus* in the Gulf States. *Forest Sci.* 12(3):356-361. Ref. Sept. 1966. 99.8 F7632
Damaging pine plantations.
- 16705 GOODING, G. V., HODGES, C. S., and ROSS, E. W. Effect of temperature on growth and survival of *Fomes annosus*. *Forest Sci.* 12(3): 325-333. Ref. Sept. 1966. 99.8 F7632
On *Pinus taeda*.
- 16706 GREMMEN, J. The white pine blister rust. (Du) *Ned. Bosbouw Tijdschr.* 38(7):245-254. map. Ref. July 1966. 99.8 N28
English summary.
Cronartium ribicola on *Pinus strobus*.
- 16707 KALLIO, T. Tutkimuksia maanousseasiensien leviamisbiologiasta ja torjuntamahdollisuuksista suomeksi. Studies on the biology of distribution and possibilities to control *Fomes annosus* in southern Finland. *Acta Forest. Fenn.* 78(3), 21 p. Ref. 1966. 99.9 F492
English summary.
Fomes annosus on *Pinus sylvestris* and *Picea abies*.
- 16708 KESSLER, W. The occurrences of *Marssonina* on poplar. (Ge) *Sozialistische Forstwirtschaft*. 16(6):181-183. Ref. June 1966. 99.8 W143
- 16709 PETRESCU, M. Aspecte fitopatologice din padurile Republicii Socialiste Romania [Phytopathological aspects of the forests of People's Republic of Rumania]. Bucuresti, Editura Agro-Silvica, 1966. 127 p. Ref. SB761.P4
English summary.
Chiefly fungus diseases.
- 16710 PETRIC, J. Rust of the pine stands in Dolenjska. (Sl) *Soc. Kmetijstvo Gozdarstvo* 17(7): 157-158. May 1966. 21.5 So14
Caused by *Cronartium ribicola*.
- 16711 WHANEY, R. D. Germination and inoculation tests with basidiospores of *Polyporus tomentosus*. *Can. J. Bot.* 44(10):1333-1343. Oct. 1966. 470 C16C
White pocket root and butt rot of spruce.

Nematodes

- 16712 DERN, R. Injuries to *Sedum spurium* from stem eelworm *Ditylenchus dipsaci*. (Ge) *Gesunde Pflanzen* 18(2):31-33. Feb. 1966. 464.8 G33

- 16713 KISIEL, M. J. *Ditylenchus radicolus* (Greeff, 1872) Filipjev, 1936 a root-galling nematode from *Elymus arenarius* in Poland. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(4):247-248. 1966. 512 W262

Nematodes - Field Crops

- 16714 HUBERT, K., MULLER, G., and WIESNER, D. K. Partial results of research on incidence of sugar beet nematodes in the Halle district. (Ge) Feldwirtschaft 7(2):102-105, map. Feb. 1966. 18 W763
- 16715 KEMPER, A. The occurrence of root-knot nematodes on field crops in Westphalia-Lippe. (Ge) Gesunde Pflanzen 17(12):232-235. Dec. 1965. 464,8 G33
Meloidogyne spp.
- 16716 ROMANIKO, V. I. Two new species of parasitic nematodes of wheat. (Rus) Zool. Zhur. 45(6): 929-931. 1966. 410 R92
English summary.
Pratylenchus uralensis and *Aphelenchoides emilliae*.
- 16717 TOMONAGA, T., and KUROKAWA, H. New facts on rice root nematode [*Hirshimanniella oryzae*]. 10 p. Ref. Transl. 16152
Translation from Hokuriku Association for Plant Protection. Proceedings 12:74-76. Nov. 1964.

Nematodes - Horticultural Crops

- 16719 BRZESKI, M. W., and JANKOWSKA, J. Nematode survey in cultivated mushroom beds. (Pol) Roczn. Nauk Roln. 91-A-2:245-254. Ref. 1966. 20,5 R59
Plant parasitic.
- 16719 CLARKE, A. J., and SHEPHERD, A. M. Picro-ionic acid as a hatching agent for the potato cyst nematode, *Heterodera rostochiensis* Woll. Nature [London] 211(5048):546. July 30, 1966. 472 N21
- 16720 FORD, H. W. Field observations of "Milam" and "Estes" rootstock. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):8-9. July 1966. 100 F66Su
Nematode studies on lemons.
- 16721 IHLEMAN, W. On the control of nematodes. (Ge) Kartoffelbau 17(7):190. July 1966. 75,8 K145
Use of resistant varieties.
- 16722 JONES, F. G. W. The population dynamics and population genetics of the potato cyst-nematode *Heterodera rostochiensis* Woll. on susceptible and resistant potatoes. Rothamsted Exp. Sta. Rep. 1965:301-316. Ref. 1966. 103 R74Ga
- 16723 KAUFFHOLD, W. Nematodes as pests in grape nurseries. (Ge) Gesunde Pflanzen 18(3):59-60. Mar. 1966. 464,8 G33
Includes chemical control.
- 16724 PASCHALAKI-KOURTZI, N., and TRIANTAPHYLLOY, A. C. Reaction of resistant potato lines to *Heterodera rostochiensis* in field tests in Greece. Inst. Phytopathol. Benaki. Ann. (n.s.) 7(1):46-54. Ref. 1964. 464,9 A14
- 16725 PRASAD, S. K., and CHAWLA, M. L. Observations on the population fluctuations of citrus nematode, *Tylenchulus semipenetrans* Cobb 1913. Indian J. Entomol. 27(4):450-454. Dec. 1965. 420 In23
- 16726 STOEN, M., and STENSETH, C. Chemical preparation against root nematodes. (No) Gartneryrket 56(42):946-947. Oct. 14, 1966. 80 G1938
Greenhouse tomatoes and cucumbers.
- 16727 VIDEGARD, G. The potato nematode—a survey of varieties and use of resistant varieties. (Sw) Sveriges Potatisodlare Riksförbund. Potatis 1966:41-45. 75,8 Sv2
Heterodera rostochiensis.

Virus Diseases

- 16729 BAWDEN, F. C. Some reflexions on thirty years of research on plant viruses. Ann. Appl. Biol. 58(1):1-11. Aug. 1966. 442,8 An72
Virus diseases.
- 16729 CHEO, P. C., and LINDNER, R. C. Virus replication inhibitors and stimulators from plant sources. Advances Chem. Ser. 53:90-96. 1966. 381 Ad93
- 16730 GIBBS, A. J., HECHT-POINAR, E., and WOODS, R. D. Some properties of three related viruses: Andean potato latent, dulcamara mottle, and Ononis yellow mosaic. J. Gen. Microbiol. 44(2):177-193, map. Ref. Aug. 1966. 448,3 J823
Mottle isolated from *Solanum dulcamara*, yellow mosaic isolated from *Ononis repens*.
- 16731 HANSEN, H. P. On the general nomenclature of viruses. Denmark. Vet.-Landbohøjsk. Arsskr., 1966:191-206. 104 D41A
Includes plant viruses.
- 16732 INGUNZA S., M. A. DE. Viruses attacking the coffee plant. (Sp) Vida Agr. [Lima] 42 (508/509):605-607, 609, 611-613, 615-616. Ref. 1966. 9,8 V66
Peru.
- 16733 KASSANIS, B. Therapy of virus-infected plants. Roy. Agr. Soc. Engl. J. 126:105-114. Ref. 1965. 10 R81
Review of the literature.
- 16734 KITAJIMA, E. W., and COSTA, A. S. Morphology and development stages of *Gomphrena virus*. Virology 29(4):523-539. Ref. Aug. 1966. 448,8 V81
On *Gomphrena globosa*.
- 16735 MARTELLI, G. P. Thermo therapy of virus diseases; new trends. (It) Ital. Agr. 103(5): 513-528. Ref. p. 526-528. May 1966. 16 It1
- 16736 PROTSENKO, A. E. Classification of phytopathogenic viruses. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 4:554-567. Ref. July/Aug. 1966. 511 Sa2B
English summary.
- 16737 SMITH, K. M., and others. Electron microscopy of the infection process of the blue-green alga virus. Virology 30(2):182-192. Oct. 1966. 448,8 V81
R. M. Brown, P. L. Walne, and D. A. Goldstein, joint authors.

Virus Diseases - Field Crops

- 16739 ATABEKOV, I. G., and NOVIKOV, V. K. Properties of barley mosaic virus nucleoproteins and its structural components. (Rus) Biokhimiya 31(1):157-166. Ref. Jan./Feb. 1966. 385 B523
English summary.
- 16739 BABOS, P. Ribonucleic acid turnover in tobacco leaves infected with tobacco mosaic virus. Nature [London] 211(5052):972-974. Aug. 27, 1966. 472 N21
- 16740 BILYK, L. H. Distribution of soybean viruses in Ukraine. (Uk) Mikrobiol. Zhur. 27(5):40-45. 1965. 448,3 K54
English summary.
- 16741 BILYK, L. H. Identification of soybean mosaic viruses in Ukraine. (Uk) Mikrobiol. Zhur. 27(5):35-40. 1965. 448,3 K54
English summary.
- 16742 FITCH, J. T., and others. Rotational symmetry of the two turn disk aggregate of tobacco mosaic virus protein. Nature [London] 212(5060): 349-350. Ref. Oct. 22, 1966. 472 N21
R. Leberman, C. Yu-Shang, and A. Klug, joint authors.
- 16743 KOVACHEVSKI, I. Lucerne mosaic virus in Bulgaria. (Bu) Rastenievudni Nauk. 2(9):89-108. Ref. 1965. 64,8 R18
English summary.
- 16744 KRISTENSEN, H. R., and ENGSBRO, B. Barley yellow dwarf. (Da) Tidsskr. Planteavl 70(2): 208-223. Ref. 1966. 11 T439
English summary.

- 16745 LAUFFER, M. A. Polymerization-depolymerization of tobacco mosaic virus protein. VII. A model. *Biochemistry* 5(7):2440-2446. Ref. July 1966. 381 B523
- 16746 LULOV, K. Tobacco varieties resistant to ordinary mosaic disease. (Bu) Bulg. Tyutyun 7:13-16. 1965. 69.8 B872
Caused by Virus 1.
- 16747 NAGEL, C. M. Maize dwarf mosaic. S. Dak. Farm Home Res. 17(2):24-25. Spring 1966. 100 S0825
- 16748 PHIPPS, J. Le catabolisme auxinique chez le tabac: ses modalités dans la plante saine, et parasite par le virus de la mosaïque [Auxin catabolism in tobacco; its action in the healthy plant and that infected with mosaic virus] *Ecole Nat. Super. Agron. Ann.* 12(1), 159 p. 1966. 105.3 T64
Thesis—Université de Toulouse.
Bibliography, p. 147-157.
Effects of the virus disease on plant hormones
- 16749 PROZOROVSKAYA, N. N., BALANDIN, I. G., and TONGUR, V. S. Influence of antibiotics on viral RNA synthesis in tobacco mosaic leaves infected in vivo and in vitro with virus. (Rus) *Vop. Virusol.* 3:336-340. May/June 1966. 448.8 P942
English summary.
Nicotiana glutinosa.
- 16750 RYZHKOV, V. L., and TEREKHOVA, N. A. Tobacco mosaic virus growth in tumors occurring in Nicotiana tabacum and Nicotiana glutinosa after interspecific grafting. (Rus) *Vop. Virusol.* 6:678-680. Nov./Dec. 1965. 448.8 P942
English summary.
- 16751 SHELUD'KO, YU. M. Some methods of investigating plant viruses in the laboratory headed by Professor G. Shramm. 6. Qualitative and quantitative study of mononucleotide content of RNA in tobacco leaf. (Uk) *Mikrobiol. Zhur.* 26(4):86-88. 1964. 448.3 K54
- 16752 SINGER, B., and FRAENKEL-CONRAT, H. Dye-catalyzed photoinactivation of tobacco mosaic virus ribonucleic acid. *Biochemistry* 5(7):2446-2450. Ref. July 1966. 381 B523
- 16753 SINGH, K. Ratoon stunting disease of sugarcane in India. *Indian Sugar* [Calcutta] 16(4):335-337. Ref. July 1966. 65.8 I26
- 16754 THOGERSEN, O. Control of virus yellows. (Da) *Dyrker-Nyt* 31:487-489. June 1966. 66.8 D99
Sugar beets.
- 16755 WILLIAMS, S., and WHITEFELD, P. R. Fractionation of partially degraded tobacco mosaic virus ribonucleic acid. *Nature* [London] 211 (5044):102-104. July 2, 1966. 472 N21
- Virus Diseases - Horticultural Crops
- 16756 ASAH, T., HONDA, Y., and URITANI, I. Increase of mitochondrial fraction in sweet potato root tissue after wounding or infection with *Ceratocystis fimbriata*. *Plant Physiol.* 41(7):1179-1184. Ref. Sept. 1966. 450 P692
- 16757 BAILOVA-YANKULOVA, M. Determination of virus S on potatoes in Bulgaria. (Bu) *Rastenievudni Nauk.* 3(1):127-133. Ref. 1966. 64.8 R18
English summary.
- 16758 BJORNSTAD, A. Virus-free Jossing potato. (No) *Norsk Landbruk* 10:35, 49. May 20, 1966. 11 N8122
- 16759 BRUNT, A. A. Narcissus mosaic virus. *Ann. Appl. Biol.* 58(1):13-23. Ref. Aug. 1966. 442.8 An72
In Great Britain.
- 16760 CARLSTROM, L. New method for winter testing of seed potatoes. (Sw) *Sveriges Potatisodlares Riksförbund. Potatis* 1966:55-57. 75.8 Sv2
Testing for virus Y infection.
- 16761 HARDT, H. Yellow streak of leeks. (Ge) *Gesunde Pflanzen* 17(12):235-236. Dec. 1965. 464.8 G33
- 16762 HORVATH, J. Data on the possibilities of controlling potato virus. II. Experiments with the German method and the improved German method. *Acta Agron. [Budapest]* 15(3/4):381-393. Ref. 1966. 19 Ac8
- 16763 KEMP, W. G., and FAZEKAS, L. J. Differentiation of strains of carnation mottle virus in crude plant extracts by immunodiffusion in agar plates. *Can. J. Bot.* 44(10):1261-1265. Oct. 1966. 470 C16C
- 16764 KRIANTZ, M. Virus resistant tomatoes—a possibility. (Sw) *Weibulls Allehanda* 26:9-18. 1966. 80 W42
- 16765 KUHN, C. W., BRANTLEY, B. B., and SO-WELL, G. Southern pea viruses; identification, symptomatology, and sources of resistance. *Ga. Agr. Exp. Sta. Bull. (n.s.)* 157, 23 p. Ref. May 1966. 100 G293B
Includes mosaic virus.
- 16766 MITRA, S., and KAESBERG, P. Biophysical properties of RNA from turnip yellow mosaic virus. *J. Mol. Biol.* 14(2):558-571. Ref. Dec. 1965. 442.8 J8224
- 16767 MOSKOVETS', S. M., KRYVOLAPOVA, O. P., and SHELUD'KO, YU. M. Improvement of seed qualities and sanitation of potatoes against viruses of wrinkle mosaic under conditions of the Carpathian Mountains. (Uk) *Mikrobiol. Zhur.* 27(4):31-35. 1965. 448.3 K54
English summary.
- 16768 MOSKOVETS', S. M., and ZHEREBCHUK, L. K. Peculiarities of nitrogen metabolism in healthy potatoes and in potatoes affected by wrinkle mosaic virus under the effect of gibberellin. (Uk) *Mikrobiol. Zhur.* 27(6):67-72. 1965. 448.3 K54
English summary.
- 16769 MUNSTER, J., and CORNU, P. Improvement of transmission processes on test plants for testing Z, X and Y in potatoes. (Fr) *Agr. Romande (ser. A)* 5(9):90-92. Sept. 1966. 17 Ag8
- 16770 NEMETH, M. V. Production of virus-free nursery propagating stock. (Hu) *Kerteszet Szolész.* 15(14):20-32. July 1966. 80 K474
Cuttings and rootstocks for fruit.
- 16771 OSTLIND, N. Thinning of fruit—improvement of quality. (Sw) *Fruktodlaren* 37(4):99-102. May 1966. 86 Sv2F
- 16772 REES, A. R. Effects of infection with Narcissus mosaic, Narcissus yellow stripe and tobacco rattle viruses on the growth and flowering of Narcissus Cv. "Minister Talma." *Ann. Appl. Biol.* 58(1):25-30. Aug. 1966. 442.8 An72
- 16773 RYDEN, K. Skim milk as a plant protection preparation. (Sw) *Statens Vaxtskyddsanst. Vaxtskyddsnotiser* 29(1):12-16. 1965. 464.9 Sw3V
Chiefly to prevent transmission of tobacco mosaic-virus to tomatoes.
Review.
- 16774 RYDER, E. Mosaic resistance. *West. Grower Shipper* 37(10):17-18. Oct. 1966. 280.38 W52
Lettuce.
- 16775 SCHMELZER, K. Tobacco rattle virus on the Gerbera jamesonii Bolus. (Ge) *Arch. Gartenbau* 14(2/3):89-92. Ref. 1966. 80 Ar2
English summary.
- 16776 SCHWARZ, R. E. Increased desoxyribonucleic acid and starch content of leaves of tristeza-infected West Indian lime seedlings. *S. Afr. J. Agr. Sci.* 9(1):23-30. Ref. Mar. 1966. 24 Su3
- 16777 SCHWARZ, R. E. Mechanical transmission of a virus from Meyer lemon to herbaceous hosts. *S. Afr. J. Agr. Sci.* 9(1):263-264. Mar. 1966. 24 Su3
- 16778 WEINTRAUB, M., RAGETLI, H. W. J., and JOHN, V. T. Fine structural changes in isolated mitochondria of healthy and virus-infected Vicia faba L. *Can. J. Bot.* 44(8):1017-1024. Ref. Aug. 1966. 470 C16C
Yellow mosaic.
- 16779 ZHEREBCHUK, L. K. Peculiarities of carbohydrate metabolism in healthy plants and in plants affected with wrinkle mosaic under action of gibberellin. (Uk) *Mikrobiol. Zhur.* 27(5):45-49. 1965. 448.3 K54
English summary.
Potatoes.

Virus Diseases - Forest Trees

- 16780 SIWECKI, R. Virus mosaic observations on poplars. (Pol) Sylwan 110(2):91-96. Ref. 1966. 99.8 Sy52
English summary.

Physiological Diseases

- 16781 AASEN, I. Manganese in soils and plants; some results from the work with manganese deficiencies of grain. (No) Ny Jord 53(2):37-47. Ref. Feb.1966. 282.28 N98
- 16782 BESTER, A. J., HAASBROEK, F. J., and MEYNHARDT, J. T. The distribution of calcium in apples after application on the fruit surface. S. Afr. J. Agr. Sci. 9(1):275-277. Mar. 1966. 24 Su3
To control bitter pit.
- 16783 BORG, A. A case of molybdenum deficiency of cauliflower. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 29(1):9-12. 1965. 464.9 Sw3V
- 16784 DEMETRIADES, S. D., and GAVALAS, N. A. Biuret toxicity in citrus trees in Greece. Inst. Phytopathol. Benaki. Ann. (n.s.)7(1):55-56. 1964. 464.9 At4
Chlorosis caused by biuret.
- 16785 DEMETRIADES, S. D., GAVALAS, N. A., and PAPADOPOULOS, S. E. Trials for the control of lime-induced chlorosis in fruit trees in Greece. I. Preliminary observations on peach and lemon trees. Inst. Phytopathol. Benaki. Ann. (n.s.)7(1):28-36. Ref. 1964. 464.9 At4
- 16786 GAVALAS, N. A., and DEMETRIADES, S. D. Calcium distribution in relation to the chlorosis in boron deficient olive leaves. Inst. Phytopathol. Benaki. Ann. (n.s.)7(1):37-45. Ref. 1964. 464.9 At4
- 16787 HJELNES, K. A., SEMB, G., and OJEN, A. Zinc deficiencies in orchards. (No) Yrkesfruktdyrking 1:4-8. 1966. 80 Y83
- 16788 IGNAT'YEVA, I. P. Causes of degeneration of some perennial ornamental herbaceous plants. (Rus) Bot. Zhur. [Moscow] 51(3):426-430. Ref. Mar.1966. 451 R923
- 16789 JOHNSON, T. Results of experiments with spraying with calcium salts against bitter pit. (Sw) Fruktdalaren 37(4):94-96. May 1966. 86 Sv2F
Apples.
- 16790 LEONARDI, M. The causes of dying of grapes in the Vivara area. (Sl) Soc. Kmetijstvo Gozdarstvo 16(12):283-286. Ref. Aug.20,1965. 21.5 So14
Tyloses.
- 16791 MAJERNIK, O., and PAULECH, C. Water deficiency in the process of pathological wilting. Symp. Water Stress Plants. Proc. 1963:155-163. Ref. 1965. QK873.S9
Tests on transpiration rate and dysfunction of stomata using radioactive phosphorus. Includes discussion.
- 16792 OLDENKAMP, L., and SMILDE, K. W. Copper deficiency in Douglas fir (Pseudotsuga menziesii (Mirb.) Franco). (Du) Ned. Bosbouw Tijdschr. 38(5/6):203-214. Ref. May/June 1966. 99.8 N28
English summary.
- 16793 PONNAMPERUMA, F. N., and YUAN, W. L. Toxicity of boron to rice. Nature [London] 211 (5050):780-781. Aug.13,1966. 472 N21
- 16794 RODALE, R. What's wrong with your fruit? Soil Sense 5(1):34-35. Spring 1966. 56.8 So322
Nutritional deficiencies.

Injuries

- 16795 CETIK, A. R. The vegetation of the Murgul area affected by sulphur dioxide. Ankara. Univ. Fac. Sci. Commun. (ser.C)10:139-162, map. 1966. 330.9 An4
Plant injuries.

- 16796 CHKHADZE, I., and others. Frosts and snow-fall in April of 1965 in subtropics of western Georgia. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 3:129-134. 1965. 66.19 M28
T. Barbakadze, A. Kvachantridze, B. Ingorkva and E. Salukvadze, joint authors.
Causing fruit injuries.
- 16797 DIMITROV, S. Certain manifestations of boron toxicity in potatoes. (Bu) Rastenievudni Nauk. 2(1):173-175. 1965. 64.8 R18
- 16798 GUDERIAN, R. Air pollution and plant protection. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(5):241-265. May 1966. 464.8 Z3
English summary.
Bibliography, p.259-263.
- 16799 HOUTEN, J. G. TEN. Aspects of air pollution in agriculture. (Du) Landbouwkundig Tijdschr. 78(1):2-13. Ref. Jan.1966. 105.2 Or3
English summary.
Damage to plants.
- 16800 ISAEVA, E., and TKACHEV, V. Reasons for leaves falling down in summer. (Rus) Sadovodstvo 9:20. Sept.1966. 80 Sa13
Effect of bordeaux mixture and copper on apples.
- 16801 KLOKE, A., RIEBARTSCH, K., and LEH, H. O. Contamination of crop plants with lead from motor vehicle exhausts. (Ge) (Abridged) Landwirt. Forsch. Sonderheft 20:119-123. 1966. 18 L2333A
- 16802 LEH, H. O. Contamination of plants with the lead from motor vehicles gases. (Ge) Gesunde Pflanzen 18(2):21-24. Feb.1966. 464.8 G33
- 16803 LINNELL, D. Effects of air pollution on plants. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 29(2/3):19-26. 1965. 464.9 Sw3V
- 16804 LUNDIN, Y. The winter struck a hard blow. (Sw) Fruktdalaren 37(5/6):129-131. June 1966. 86 Sv2F
Frost injuries to fruit trees.
- 16805 MACDOWALL, F. D. H., MUKAMMAL, E. I., and COLE, A. F. W. Ozone dose and plant injury. Science 153(3743):1552. Sept. 23, 1966. 470 Si2
- 16806 MULLER, E. W., and MUTSCHKE, H. Actual plant protection. (Ge) Obstbau [Berlin] 5(10):153-159. Oct. 1965. 80 Ob79
Injuriousness of herbicides to fruit.
- 16807 NARDONE, A. Smog and mist against men and plants. (It) Ital. Agr. 103(5):465-470. May 1966. 16 It1
- 16808 NILSSON, A. Frost injuries in the Malar Valley. (Sw) Fruktdalaren 37(5/6):131-132. June 1966. 86 Sv2F
Fruit.
- 16809 OKE, O. L. Nitrite toxicity to plants. Nature [London] 212(5061):582. Oct.29,1966. 472 N21
In Guinea grass.
- 16810 PUCNIK, J. Hail and its control. (Sl) Soc. Kmetijstvo Gozdarstvo 17(10):224-225. Aug. 1966. 21.5 So14
Grape injuries.
- 16811 RAISER, E. Outbreaks of field mice. (Ge) Gesunde Pflanzen 18(1):17-18. Jan.1966. 464.8 C33
Reducing yields of barley by 80%.
- 16812 SMITH, W. H., and PARKER, J. C. Prevention of ethylene injury to carnations by low concentrations of carbon dioxide. Nature [London] 211 (5044):100-101. July 2,1966. 472 N21
- 16813 STEINBRINK, H. Gas injuries of greenhouse cucumbers. (Ge) Nachrichten. Deut. Pflanzenschutzdienst (n.s.)19(3):80-81. 1965. 464.9 N11
- 16814 SULAKADZE, T. S., and SHAMTZYAN, S. M. Effects of the winter 1963/64 on evergreens. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 43 (3):717-722. Sept.1966. 511 Ak146
- 16815 TUNBLAD, B. Damage from air pollution within four-walls. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 29(2/3):33-36. 1965. 464.9 Sw3V
Chiefly industrial fumes in greenhouses.

- 16816 VLASYUK, P. A., GRODZINSKII, D. M., and GUDKOV, I. N. Ions of heavy metals as radio-protectors in radiation injuries of plants. (Rus) Radiobiologiya 6(4):591-597. 1966. 442.8 S11
- 16817 WEDIN, B. From source to leaf. (Sw) Wedin, Statens Vaxtskyddsanst, Vaxtskyddsnotiser 29 (2/3):27-33. 1965. 464.9 Sw3V
Effects of air pollution on plants.

SYSTEMATIC AND GEOGRAPHIC BOTANY

- 16819 ALSTON, R. E. Chemotaxonomy or biochemical systematics? In Swain, T., ed. Comparative phytochemistry, p.33-56. Ref. 1966. QK861.S8
- 16819 BELOZEROV, P. I. Changes in the flora and vegetation of the Kostroma Region that have taken place during the last fifty years. (Rus) Bot. Zhur. [Moscow] 51(9):1341-1344. Ref. Sept.1966. 451 R923
- 16820 BOOM, B. K. Problems in the naming of seed-bearing plants. (Du) Zaaedbelangen 20(2):27-28. Jan.31,1966. 61.8 Z1
- 16821 BYKOV, B. A. Areas geographicarum endemiarum quispium species e Kazachstanian. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:3-15, map. Ref. 1966. 451 ALB32
Text also in Russian.
- 16822 CHAVAN, A. R., and OZA, G. M. Contribution to the flora of the Dangs Forest in Gujarat. Indian Forest. 92(8):533-535. Aug.1966. 99.8 In2
- 16823 HAUFF, R., and SEBALD, O. Historical survey of interesting flora and vegetation of the bogs near Haigerloch. (Ge) Ver. Vaterland. Naturkunde Württemb. Jahresh. 120:224-231. Ref. Dec.1,1965. 509 W96
- 16824 HEGNAUER, R. Formation of types of nature and its significance in pharmacological diagnosis. 10 p. Ref. Transl. 16068
In relation to plant taxonomy.
Translation from Pharmazeutische Zeitung 104(15):382-385. 1959.
- 16825 HEYWOOD, V. H. Phytochemistry and taxonomy. In Swain, T., ed. Comparative phytochemistry, p.1-20. Ref. 1966. QK861.S8
- 16826 IGOSHINA, K. N. Specificity of the flora and vegetation of ultra rocks in the polar Urals (as illustrated by the example of Mt. Rai-Iz). (Rus) Bot. Zhur. [Moscow] 51(3):322-338. Ref. Mar.1966. 451 R923
English summary.
- 16827 JOHNSON, A. W., and others. Vegetation and flora. In Wilimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.277-354. Ref. 1966. QH105.A4W5
L. A. Viereck, R. E. Johnson, and J. Melchior, joint authors.
- 16828 KAMELIN, R. V. On the generic endemism of the central Asiatic flora. (Rus) Bot. Zhur. [Moscow] 50(12):1702-1710. Ref. Dec.1965. 451 R923
English summary.
- 16829 KLAUS, H., and KUDOKE, J. Study of the vegetation in the national park Heiligen-See, north of Markgrafenheide. (Ge) Arch. Freunde Naturgesch. Mecklenb. 11:79-84. Ref. 1965. 474 Ar2
- 16830 LONDO, G. Changes in the flora and vegetation of the Rhine water catchment area in the dunes of Zandvoort. (Du) Levende Natuur 69 (6):121-128, map. June 1966. 410 L57
English summary.
- 16831 LOTSCHERT, W. The vegetation of the Westerwald lake regions. (Ge) Natur Mus. 96(4):139-150. Ref. Apr.1966. 509 F856
- 16832 MARCHETTE, N. J. Notes on the flora of Gunung Jerai (Kedah Peak). Malayan Natur. J. 19 (2/3):129-137. Ref. Sept.1965. 409.6 M29
- 16833 MENITSKII, YU. L. Use of quantitative estimates of resemblance in taxonomy. (Rus) Bot. Zhur. [Moscow] 51(3):354-371. Ref. Mar.1966. 451 R923
English summary.
- 16834 MENTZER, C. Biogenetic classification of plant constituents. In Swain, T., ed. Comparative phytochemistry, p.21-31. Ref. 1966. QK861.S8
- 16835 MUSAEV, I. F. On the methods and technique of collecting and treatment of the data on the localities of occurrence of plant species in the course of mapping their distribution areas. (Rus) Bot. Zhur. [Moscow] 51(9):1284-1289. Ref. Sept.1966. 451 R923
- 16836 NELLEHUIS, F. Sand dunes along the Rhine River. (Du) Levende Natuur 69(6):133-141. June 1966. 410 L57
Vegetation.
- 16837 NILSSON, O. Additions to the flora of the parish of Fjaras, Halland, southwestern Sweden. (Sw) Svensk Bot. Tidskr. 60(2):293-309, map. 1966. 450 Sv2
English summary.
- 16838 PETROVSKII, V. V. New floristic finds on the Wrangel Island. (Rus) Bot. Zhur. [Moscow] 51 (3):416-420. Ref. Mar.1966. 451 R923
- 16839 PIMENOV, M. G. Plant species new and important for Sakhalin from the Shmidt Peninsula. (Rus) Bot. Zhur. [Moscow] 50(12):1733-1734. Ref. Dec.1965. 451 R923
- 16840 PRILIPKO, L. I. A tentative agrobotanical map of Azerbaijan. (Rus) Bot. Zhur. [Moscow] 51 (2):188-195, map. Feb.1966. 451 R923
English summary.
- 16841 RODENBORG, L. Flora and vegetation in and in the neighbourhood of the grove of Albrunna, southern Oland. II. (Sw) Svensk Bot. Tidskr. 60(2):255-292. Ref. 1966. 450 Sv2
- 16842 ROUSSEAU, E. The recommendation of some indigenous aquatic plants for aquariums. (Fr) Natur. Belg. 47(7):313-317. Aug./Sept.1966. 410.9 N21
- 16843 VALOVA, Z. G. Species of plants new for the flora of USSR from southern Khasan District of the Maritime Territory. (Rus) Bot. Zhur. [Moscow] 51(3):409-411. Mar.1966. 451 R923
- 16844 VOO, E. E. VAN DER, and PELKWIK, A. J. G. T. The grassland flora reservation at "Elshof" near Naardermeer. (Du) Gorteria 3(5):63-74, map. Sept.1,1966. 450 G68
English summary.
- 16845 VOSTOKOVA, E. A., and VYSHIVKIN, D. D. Use of perforated cards with marginal perforation for compiling card-indexes of geobotanical descriptions for indicational purposes. (Rus) Bot. Zhur. [Moscow] 51(2):234-239. Ref. Feb. 1966. 451 R923
- 16846 WOLLERT, H. On the flora of central Mecklenburg. (Ge) Arch. Freunde Naturgesch. Mecklenb. 11:98-101. 1965. 474 Ar2
- 16847 WORSOE, E. Changes in vegetation on Lolland during the last 100 years. (Da) Flora Fauna 71(4):115-134. Ref. Dec.1965. 410 F662

Spermatophytes

- 16849 AGAPOVA, N. D. Cytotaxonomic studies of certain Caucasian species of Ornithogalum L. belonging to the section Ornithogalum. (Rus) Bot. Zhur. [Moscow] 51(2):210-220, map. Ref. Feb.1966. 451 R923
English summary.
- 16849 AGAPOVA, N. D. On the Caucasian Ornithogalum pyrenaicum L. (Rus) Bot. Zhur. [Moscow] 51(9):1311-1315. Ref. Sept.1966. 451 R923
Includes new species.
- 16850 ALESHINA, L. A. Palynological evidence contributing to the taxonomy of the tribe Fevillaeae Pax of the family Cucurbitaceae Juss. (Rus) Bot. Zhur. [Moscow] 51(2):244-250. Ref. Feb. 1966. 451 R923
Pollen morphology.
- 16851 AMANN, G. Baume und Straucher des Waldes. Taschenbildbuch der beachtenswertesten Baume und Straucher des mitteleuropaischen Waldes [Trees and shrubs of forest; pictorial pocket-book]. Ed. 7. Melsungen, Neumann, 1965. 231 p. SD434.A4
Identification of central European trees and shrubs.

- 16852 BARNETT, E. C., and SANDWITH, N. Y. Contributions to the flora of Thailand. LVII. Kew. Roy. Bot. Gard. Kew Bull. 20(2):233-234. 1966. 451 K51B
Radermachera kerrii n. sp.
- 16853 BARTELS, A. Forest and botanical garden Hann. Münden [Forstbotanische Garten Hann. Münden]. (Ge) Deut. Baumschule 18(3):62-66. Mar.1,1966. 80 D486
- 16854 BAUM, B., and ZOHARY, M. Monographic revision of the genus Tamarix. Department of Botany, Hebrew University; final research report for the United States Department of Agriculture. Jerusalem, 1966. 193 p.,map. QK495.T3B3
Bibliography, p.181-188.
Taxonomy.
- 16855 BECHERER, A. Contribution to the knowledge of Potentilla grammopetala Moretti. (Ge) Naturforsch. Ges. Basel. Verhandl. 76(2):294-314, map. Ref. Dec.31,1965. 508 B29
In Switzerland.
- 16856 BECHERER, A. Erica arborea L. as a border plant of the Swiss flora. (Ge) Schweiz. Bot. Ges. Ber. 75:80-91. Ref. 1965, pub. 1966. 451 Sch9
Distribution in Northern Italy bordering Ticino and Grigioni cantons.
- 16857 BLACKBURN, B. The abused cypress oak [Quercus robur fastigiata]. Hort. Soc. N. Y. Bull. 16(10):6-7. Oct. 1966. 81 H78
- 16858 BLAKELOCK, R. A. Notes on African Celastraceae. IV. Kew. Roy. Bot. Gard. Kew Bull. 20(2):295-296. 1966. 451 K51B
- 16859 BOBROV, E. G. A review of the genus Reaumuria L. in connection with the problem of the Afro-Asiatic desert flora. (Rus) Bot. Zhur. [Moscow] 51(8):1057-1072, map. Ref. Aug. 1966. 451 R923
English summary.
- 16860 BRIZICKY, G. K. The Goodeniaceae in the southeastern United States. Arnold Arboretum. J. 47(4):293-300. Ref. Oct. 1966. 451 Ar6J
Taxonomy.
- 16861 CARLQUIST, S. The biota of long-distance dispersal. I. Principles of dispersal and evolution. Quart. Rev. Biol. 41(3):247-270. Ref. Sept. 1966. 442.8 Q2
Flora.
- 16862 CLAYTON, W. D. Studies in the Gramineae. IX. Kew. Roy. Bot. Gard. Kew Bull. 20(2):257-273. 1966. 451 K51B
Includes n. spp. in Urelytrum, Rhytachne, Eragrostis, and Puelia.
- 16863 CLAYTON, W. D. Studies on the Gramineae. X. Kew. Roy. Bot. Gard. Kew Bull. 20(2):275-285. 1966. 451 K51B
Includes Anadelphia scyphofera, A. polychaeta, and A. bigeniculata n. spp.
- 16864 CLAYTON, W. D. Studies in the Gramineae. XI. Kew. Roy. Bot. Gard. Kew Bull. 20(2):287-293. 1966. 451 K51B
Elymandra.
- 16865 COLEMAN, J. R. Two new species of Verbesina (Compositae) with taxonomic notes on other species. Madrono 18(7):214-218. July 1966. 450 M28
Verbesina apiculata and V. tequilana n. spp. from Mexico.
- 16866 DAWSON, J. W. Observations on Nothofagus in New Caledonia. Tuatara 14(1):1-7. Apr. 1966. 442.8 T79
- DEELDER, A. M. Flickingeria fimbriata (Bl.) A. D. Hawkes. Orchideen (n.s.) 28(5):129-129 Oct. 1966. 80 Or182
Text in Dutch.
- 16868 DRURY, D. G., and WATSON, L. Taxonomic implications of a comparative anatomical study of Imulioideae-Compositae. Amer. J. Bot. 53 (8):828-833. Sept. 1966. 450 Am36
- 16869 EDGAR, E. Luzula in New Zealand. New Zeal. J. Bot. 4(2):159-184, map. Ref. June 1966. 450 N48
Includes Luzula celata and L. rufa n. spp.
- 16870 EDGAR, E. The male flowers of Hydatella inconspicua (Cheesem.) Cheesem. (Centrolepidaceae). New Zeal. J. Bot. 4(2):153-158, map. June 1966. 450 N48
Taxonomic study.
- 16871 EDGAR, E. Two new species of Scirpus sect. Isoplepis. New Zeal. J. Bot. 4(2):196-200. June 1966. 450 N48
Scirpus praetextatus and S. habrus n. spp.
- 16872 ERICSON, J. E. Identification of Pinus flexilis James and Pinus albicaulis Engelm. Mont. Acad. Sci. Proc. 24:7-9. 1964, pub. 1965. 500 M762
- 16873 EVANS, M. The identity of Ternstroemia vietiensis Seemann. Kew. Roy. Bot. Gard. Kew Bull. 20(2):303-304. 1966. 451 K51B
- 16874 EYDE, R. H. Systematic anatomy of the flower and fruit of Corokia. Amer. J. Bot. 53(8):833-847. Ref. Sept. 1966. 450 Am36
- 16875 FAVARGER, C., and VILLARD, M. New cytotoxic studies of Chrysanthemum leucanthemum L. sens. lat. (Fr) Schweiz. Bot. Ges. Ber. 75:57-79, map. Ref. 1965, pub. 1966. 451 Sch9
Chromosomes.
- 16876 FERGUSON, I. K. Contributions to the flora of Iraq. II. A new species of Pterocarpus (Dipsacaceae) from Iraq. Kew. Roy. Bot. Gard. Kew Bull. 20(2):249-250. 1966. 451 K51B
Pterocarpus latus n. sp.
- 16877 FORMAN, L. L. The reinstatement of Galearia Zool. and Mor. and Microdesmia Hook. f. in the Pandaceae. Kew. Roy. Bot. Gard. Kew Bull. 20(2):309-318. 1966. 451 K51B
Taxonomic study based on morphological analysis.
- 16878 GILBERT, J. L. Flora of Huntingdonshire: wildflowers. Peterborough? 1965. 63 p. (Peterborough Museum Society. Occasional Papers, No. 4) QK306.G5
- 16879 GILLET, J. B. New records from French Somaliland. Kew. Roy. Bot. Gard. Kew Bull. 20(2):247-248. 1966. 451 K51B
Tephrosia plicata and T. schweinfurthii.
- 16880 GILLET, J. B. A revision of Phaenohoffmannia Kuntze (Leguminosae-Papilionoideae). Kew. Roy. Bot. Gard. Kew Bull. 20(2):297-301. 1966. 451 K51B
- 16881 GILLET, J. B. The species of Ormocarpum Beauv. and Artrocarpum Balf. f. (Leguminosae) in south-western Asia and Africa (excluding Madagascar). Kew. Roy. Bot. Gard. Kew Bull. 20(2):323-355. Ref. 1966. 451 K51B
Includes n. spp.
- 16882 GILLET, J. B. Vermifurx Gillett (Leguminosae-Papilionoideae), a new name for Helminthocarpus A. Rich. Kew. Roy. Bot. Gard. Kew Bull. 20(2):245-246. 1966. 451 K51B
- 16883 GOLOSOKOV, V. P. Notae systematicae de Astragalus L. ex jugi Kirgizici. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:43-53. 1966. 451 AL632
Text also in Russian.
- 16884 GORTS-VAN RIJN, A. R. A., and KRAMER, K. U. A new species of Piper from the interior of Suriname. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C. Biol. Med. Sci. 69(3):273-274. 1966. 442.9 Am8
Piper humistratum n. sp.
- 16885 GREEN, P. S. The genus Linociera (Oleaceae) in New Caledonia. Arnold Arboretum. J. 47(4):319-322. Oct. 1966. 451 Ar6J
- 16886 HALL, J. B. A new species of Brachystelma R. Br. (Asclepiadaceae) from Ghana. Kew. Roy. Bot. Gard. Kew Bull. 20(2):251-255. 1966. 451 K51B
Brachystelma constrictum n. sp.
- 16887 HARVEY, M. J. Cytotaxonomic relationships between the European and North American rostrate violets [Viola]. New Phytol. 65(4):469-476, map. Ref. Oct. 1966. 450 N42
- 16888 HEIM, P. J. Distribution and frequency of Iris sibirica L. in Switzerland from the times of improvement up to 1965. (Ge) Zurich. Naturforsch. Ges. Vierteljahrsschr. 111(1):23-45. Mar. 1966. 508 Z8
- 16889 HENKER, H. The genus Sigesbeckia L. in Europe, especially in Germany. (Ge) Arch. Freunde Naturgesch. Mecklenb. 11:7-54, map. Ref. 1965. 474 Ar2
English summary.
Chiefly taxonomy and geographic distribution.

- 16890 HEPPER, F. N. The duckweeds [Lemnaceae] of West Africa. Nigerian Field 31(1):18-21. Jan. 1966. 410 N56
- 16891 JUNI, R. A., and GERARDO, J. A. Notes on the enlargement of the compilation of the "Official Common Names of Trees and Other Plants" as adopted by the Bureau of Forestry, Philippines. Bur. Forest. Occas. Pap. 22, 70 p. July 1965. 99.9 P5350
- 16892 KERS, L. E. Studies in Cleome from Southern Africa. I. Taxonomic revision, distribution and notes about the ecology of some yellow-flowered species. Svensk Bot. Tidskr. 60(2):225-254, map. 1966. 450 Sv2
- 16893 KONONOV, V. N., MOL'KOVA, I. F., and SHABANOVA, G. A. Centaurea thirkei Schultz, a species of cornflower new for the U.S.S.R. (Rus) Bot. Zhur. [Moscow] 51(9):1309-1310. Ref. Sept. 1966. 451 R923
- 16894 MATHEW, B. Turkey and South-East Europe, 1965. II. Roy. Hort. Soc. J. 91(9):383-394. Sept. 1966. 84 L84J
Spermatophyta collecting expedition.
- 16895 MATVEEV, V. I., and PIAKSINA, T. I. On the species of plants new for the Kuibyshev Region. (Rus) Bot. Zhur. [Moscow] 51(9):1308-1309. Sept. 1966. 451 R923
Ranunculus lateriflorus and Tillaea vallantii.
- 16896 MEILI-FREI, E. Cytogenetics and cytology of the Swiss varieties of Epipactis, Listera and Neottia (Orchidaceae). (Ge) Schweiz. Bot. Ges. Ber. 75:219-292, map. 1965, pub. 1966. 451 Sch9
- 16897 MENITSKII, YU. L. A contribution to the taxonomy of the Caucasian roburoid oaks belonging to the cycle Pedunculatae. I. Quercus pedunculiflora C. Koch. (Rus) Bot. Zhur. [Moscow] 51(9):1245-1265. Ref. Sept. 1966. 451 R923
English summary.
- 16898 MENNEGA, A. M. W. A new species of Roupala (Proteaceae) in Suriname. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(3):334-335. 1966. 442.9 Am8
Roupala schulzei n. sp.
- 16899 MICHEL, E. Buxus sempervirens L. (Fr) Natur. Belg. 47(7):349-354. Aug./Sept. 1966. 410.9 N21
- 16900 MOORE, L. B. Australasian Asteliads (Liliaceae). New Zeal. J. Bot. 4(2):201-240, map. Ref. June 1966. 450 N48
Includes Astelia skottsbergii and A. graminea n. spp.
- 16901 MULLIGAN, G. A., and PORSILD, A. E. Roripae calycina in the northwest territories. Can. J. Bot. 44(8):1105-1106. Aug. 1966. 470 C16C
- 16902 MYRZAKULOV, P. Notulae de tribu Senecioeae Cass. Kazakhstania. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:54-65. 1966. 451 AL632
Text also in Russian.
- 16903 NAYAR, M. P. Contributions to the knowledge of Indo-Malaysian and other Asiatic Melastomataceae. Kew. Roy. Bot. Gard. Kew Bull. 20(2):235-244. 1966. 451 K51B
Includes n. spp. in Hederella, Medinilla, and Triuranthera.
- 16904 NILSSON, O. Studies in Montia L. and Claytonia L. and allied genera. I. Two new genera, Mona and Paxia. Bot. Not. 119(2):265-285, map. 1966. 450 B656
- 16905 PEARSON, P. R. Aesculus glabra found reproducing in eastern Pennsylvania. Morris Arboretum Bull. 17(3):47-49. Sept. 1966. 451 P383
- 16906 PLOEG, D. T. E. VAN DER. Potamogeton nodosus Poir. in Friesland. (Du) Gorteria 3(5):74-75. Sept. 1. 1966. 450 G68
English summary.
- 16907 POLYAKOV, P. P. De formibus hybridis generis Populus L. e Kazakhstania. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:31-39. 1966. 451 AL632
Text also in Russian.
- 16908 ROLLINS, R. C. Chromosome numbers of Cruciferae. Gray Herb. Harvard Univ. Contrib. 197:43-65. Ref. 1966. 451 G792
Cytotaxonomy.
- 16909 SANDINA, I. B. Morphological and biological characteristics of the species of butter-bur (Petasites Mill.) as related to their systematic position. (Rus) Bot. Zhur. [Moscow] 51(8):1127-1134. Ref. Aug. 1966. 451 R923
- 16910 SAXENA, H. O. Correct name of Aechmanthera tomentosa Nees (Acanthaceae). Indian Forest. 92(8):529. Aug. 1966. 99.8 In2
- 16911 SCHLITTLER, J. Are Luzuriagoideae really Liliaceae or have the Ericales and Ternstroemia species organophylogenetically and historically any relation to the primitive Lillium flora. (Ge) Schweiz. Bot. Ges. Ber. 75:96-109. 1965, pub. 1966. 451 Sch9
- 16912 SEBALD, O. Distribution of Carex strigosa in the middle Neckar region. (Ge) Ver. Vaterland. Naturkunde Württemb. Jahresh. 120:298-300. Dec. 1. 1965. 509 W96
- 16913 SOKOLOV, S. YA. On the position of Picea orientalis (L.) Link in the genus Picea. (Rus) Bot. Zhur. [Moscow] 50(12):1745-1746. Dec. 1965. 451 R923
- 16914 SONCK, C. E. Drei neue Taraxaca aus Finnland [Three new Taraxacum species from Finland]. Soc. Fauna Flora Fenn. Acta 77(3), 16 p. 1964, pub. 1965. 511 H365
Taraxacum klingstedtii, T. maurocephalum and T. index.
- 16915 SOLBRIG, O. T. The South American species of Gutierrezia. Gray Herb. Harvard Univ. Contrib. 197:3-42, map. Ref. 1966. 451 G792
- 16916 STONE, B. C. Pandanus Stickm. in the Malay Peninsula, Singapore and lower Thailand. I. Malaysian Natur. J. 19(4):203-213. Dec. 1965. 409.6 M29
- 16917 SUMMERHAYES, V. S. African orchids. XXX. Kew. Roy. Bot. Gard. Kew Bull. 20(2):165-200. 1966. 451 K51B
Includes n. spp. in Habenaria, Satyrium, Polystachya, Bulbophyllum, Angraecum, Cyrtorchis, Anacrostichynchus n. g., Rhaesteria, and Distylodon n. g.
- 16918 TAGANOV, R. Geographical distribution of ephephers and ephemeroids within the borders of Central Asia and southern Kazakhstan. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 1:58-65, map. 1965. 442.9 L542V
English summary.
- 16919 TAYLOR, R. L., and BROCKMAN, R. P. Chromosome number of some western Canadian plants. Can. J. Bot. 44(8):1093-1103. Ref. Aug. 1966. 470 C16C
Cytotaxonomy.
- 16920 TER-A VANESYAN, D. V. Citrullus lanatus Mansf. ssp. cordophamus Ter-Avan. (Rus) Bot. Zhur. [Moscow] 51(3):423-426. Mar. 1966. 451 R923
New subspecies.
- 16921 THOTHATHRI, K. The "Tonyoge plant of Little Andaman. Indian Forest. 92(8):530-532. Aug. 1966. 99.8 In2
Orophaea katschallica.
- 16922 TSELEEV, N. N. On the ecologo-geographical races within the family Gramineae and on their taxonomic rank. (Rus) Bot. Zhur. [Moscow] 51(8):1099-1108. Ref. Aug. 1966. 451 R923
English summary.
- 16923 TURNER, B. L. The taxonomic status of Stemmatella (Compositae-Helianthaeae). Madrono 18(7):203-206. July 1966. 450 M26
- 16924 VAN ROYEN, P. A new species of Lobelia L. from New Guinea. Kew. Roy. Bot. Gard. Kew Bull. 20(2):305-307. 1966. 451 K51B
Lobelia donanensis n. sp.
- 16925 VASIL'CHENKO, I. T. De Medicagine falcata L. ex Irania. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:148-151. 451 Ak15No
Text in Russian.
- 16926 VASIL'CHENKO, I. T. Generis Lepidium L. species nova. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:40-42. 1966. 451 AL632
Text also in Russian.
Lepidium rubtzovii.

- 16927 VASIL'EV, V. N. On the birches belonging to the section *Fruticosae* (Regel.) V. Vassil. (Rus) Bot. Zhur. [Moscow] 50(12):1731-1733. Dec. 1965. 451 R923
- 16928 WARD, D. B. Verification of *Monotropas* hypoxipis in Florida. Fla. Acad. Sci. Quart. J. 29 (1):20. Mar. 1966. 500 F66
- 16929 WENDELBO, P. A new species of *Corydalis* sect. *Oocarpus* from Afghanistan (Studies in the flora of Afghanistan 4.). Bot. Not. 119(2): 243-248. 1966. 450 B656
- 16930 WERNER, K. Growth and forms of the species *Isoplexis* and *Digitalis*. (Ge) Bot. Jahrbucher 85(1):88-149. Ref. Jan. 14, 1966. 450 En3B English summary.
- 16931 WUNDERLIN, R. P. Notes on *Eupatorium* (Compositae) in Illinois. Ill. State Acad. Sci. Trans. 59(3):290-291. 1966. 500 IL6
- 16932 ZUBKOVA, I. G. Leaf epidermis of *Vitaceae* and its taxonomic importance. (Rus) Bot. Zhur. [Moscow] 51(2):278-283. Ref. Feb. 1966. 451 R923
- Pteridophytes
- 16933 ALLEN, B. M. Notes on ferns and birds. Malayan Natur. J. 19(2/3):141-143. Sept. 1965. 409.6 M29
- 16934 ATTINGER, E. *Asplenium valganense*, a new hybrid. (Ge) Schweiz. Bot. Ges. Ber. 75:92-95. 1965, pub. 1966. 451 Sch9
- 16935 KOTUKHOV, YU. A. Addenda ad *Polypodiaceae* florum Kazachstanica. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:16-26. 1966. 451 AL632
Text also in Russian.
- 16936 KOTUKHOV, YU. A. Species nova generis *Cystopteris* [almaatensis] Bernh. ex austro-orientalis Kazachstanica. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:27-30. 1966. 451 AL632
Text also in Russian.
- 16937 KUNKEL, G. *Asplenium harleyanum*, a new fern species from West Africa. (Ge) Schweiz. Bot. Ges. Ber. 75:54-56. 1965, pub. 1966. 451 Sch9
- 16938 NIESCHALK, A., and NIESCHALK, C. Fern *Calcuta macrocarpa* on European soil. (Ge) Natur Mus. 95(12):495-498. Ref. Dec. 1965. 509 F856
- 16939 SUNESON, S. Finds of wall-spleenwort (*Asplenium ruta-muraria* L.) in Göteborg and Bohus Province. (Sw) Bot. Not. 119(2):317-325, map. Ref. 450 B656
English summary.
- Bryophytes
- 16940 BOWERS, M. C. New bryophytes for Colorado. Bryologist 69(3):368-369. Autumn 1966. 450 B84
Mnium ambiguum, *M. andrewsianum*, and *M. trichomanes*.
- 16941 CAMPBELL, E. O. *Marchantia* species of New Zealand. Tuatara 13(2):122-136. Ref. July 1965. 442.8 T79
- 16942 CRUM, H. The relationships of *Tetraplodon pennsylvanicus*. Bryologist 69(2):205-207. Summer 1966. 450 B84
Redescribed as *Splachnum pennsylvanicum*.
- 16943 DULL, R. Contribution to the knowledge of the distribution of the southwestern German Bryophyta. (Ge) Ver. Vaterland. Naturkunde Württemb. Jahresh. 120:200-216. Ref. Dec. 1, 1965. 509 W96
- 16944 EREMINA, N. KH. *Distributio zonalis non-nularum specierum muscorum Alatau Transiliensis*. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:155-161. Ref. 1966. 451 AL632
Text also in Russian.
- 16945 FULFORD, M. Recent literature on hepatics. 48. Bryologist 69(2):248-250. Summer 1966. 450 B84
- 16946 FULFORD, M. Recent literature on hepatics. 49. Bryologist 69(3):378-379. Autumn 1966. 450 B84
- 16947 FULFORD, M. Recent literature on mosses. 70. Bryologist 69(2):251-253. Summer 1966. 450 B84
- 16948 FULFORD, M. Recent literature on mosses. 71. Bryologist 69(3):380-382. Autumn 1966. 450 B84
- 16949 GODVINSKII, M. I. *Musci frondosi litoris Rachmanovskoje lacus*. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:140-154. Ref. 1966. 451 AL632
Text also in Russian.
- 16950 KARCZMARZ, K., and KUC, M. Notes on *Calliergon orbiculare-cordatum* from Spitsbergen. Bryologist 69(3):373-376, map. Ref. Autumn 1966. 450 B84
- 16951 KOPPE, K. A contribution to the study of mosses of Mecklenburg, especially those of Feldberg. (Ge) Arch. Freunde Naturgesch. Mecklenb. 11:55-71. 1965. 474 Ar2
Taxonomy and distribution.
- 16952 LAWTON, E. Fruiting *Hygrohypnum bestii* (Ren. & Bryhn) Holz. Bryologist 69(2):237-240. Summer 1966. 450 B84
- 16953 LEMMON, B. E. *Fissidens hyalinus* in Louisiana. Bryologist 69(2):241-243. Summer 1966. 450 B84
- 16954 NOGUCHI, A. Notes on the moss genus *Neodolichomitria* Nog. Bryologist 69(2):232-234. Summer 1966. 450 B84
- 16955 REESE, W. D. *Barbella pendula* (Sull.) Fleisch., a review of its distribution and comments on related species. Bryologist 69(2): 208-213. Summer 1966. 450 B84
- 16956 ROBINSON, H., and REED, C. F. The status of the moss genus *Heterophyllum*. Bryologist 69(3):317-323. Ref. Autumn 1966. 450 B84
- 16957 SCHOFIELD, W. B. *Acanthocladium* (sect. *Tanythrix*) in North America. Bryologist 69(3): 334-338. Ref. Autumn 1966. 450 B84
Includes *A. carlottae* n. sp.
- 16958 SCHOFIELD, W. B. A new species of *Trematodon* from western North America. Bryologist 69(2):202-204. Summer 1966. 450 B84
Trematodon boasii n. sp.
- 16959 SCOTTER, G. W. Bryophytes of the Thelon River and Kaminiurak Lake regions, N.W.T. Bryologist 69(2):246-248. Summer 1966. 450 B84
Musci and *Hepaticae*.
- 16960 SHACKLETTE, H. T. Unattached moss polsters on Amchitka Island, Alaska. Bryologist 69(3):346-352. Ref. Autumn 1966. 450 B84
- 16961 SJORS, H. *Sphagnum angermanicum* found in northern Dalarna, Sweden. Bot. Not. 119(2): 361-364. Ref. 1966. 450 B656
- 16962 WILLIAMS, C. A natural hybrid in the genus *Weissia*. Bryologist 69(3):361-365. Autumn 1966. 450 B84
Weissia muhlenbergiana X *W. controversa*.
- 16963 WILLIAMS, C. *Pottia intermedia* new to North America. Bryologist 69(2):235-236. Summer 1966. 450 B84
- 16964 ZANDER, R. *Rhabdoweisia crenulata* new to North America. Bryologist 69(3):356-358. Autumn 1966. 450 B84
- Algae
- 16965 EDELSTEIN, T., and MCLACHLAN, J. Investigation of the marine algae of Nova Scotia. I. Winter flora of the Atlantic coast. Can. J. Bot. 44(8):1035-1055, map. Ref. Aug. 1966. 470 C16C
- 16966 HILLIARD, D. K., and TASH, J. C. Freshwater algae and zooplankton. In Wilimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.363-413. Ref. 1966. QH105.A4W5
708 taxa of algae were identified.

- 16967 KOZENKO, E. P. Nonnullis Algae lacuum in parte inferiore inundatae fluminis Ill. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:92-107. Ref. 1966. 451 AL632
Text also in Russian.
- 16968 NOSKOV, A. A. Phytoplacton autumnalis Buchtarminskianae aquatio. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:84-91, map. 1966. 451 AL632
Text also in Russian.
- 16969 OBUKHOVA, V. M., and NOSKOV, A. A. Diatomae lacus Bijlikul. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:66-83. 1966. 451 AL632
Text also in Russian.
- Fungi (Including Lichens)
- 16970 BARRON, G. L., and BOOTH, C. A new species of *Arachniotus* with an iododendron conidial state. Can. J. Bot. 44(8):1057-1061. Aug. 1966. 470 C16C
Arachniotus striatosporus n. sp.
- 16971 BEELI, M. The morels. (Fr) Nat. Belg. 47(7):340-343. Aug./Sept. 1966. 410.9 N21
Taxonomic discussion of the genus *Morchella*.
- 16972 BLUM, J. Lactarius and Russula at the Mushroom Show in 1965. (Fr) Rev. Mycol. 31(1):85-106. July 1966. 450 An74
- 16973 BOEREMA, G. H., DORENBOSCH, M. M. J., and KESTEREN, H. A. VAN. Remarks on species of *Phoma* referred to *Peyronellaea*. *Persoonia* 4(1):47-68. Ref. 1965. QK600.P4
Taxonomic study.
- 16974 BRODIE, H. J. A new species of *Cyathus* from the Canadian Rockies. Can. J. Bot. 44(10):1235-1237. Oct. 1966. 470 C16C
Cyathus helenae
- 16975 CULBERSON, C. F., and CULBERSON, W. L. The identification of imbricaria acid and a new imbricaria acid-containing lichen species. *Bryologist* 69(2):192-202. Ref. Summer 1966. 450 B84
Cetraria alaskana n. sp.
- 16976 CULBERSON, W. L. Jatta's subgeneric classification of the lichens. *Bryologist* 69(2):214-231. Ref. Summer 1966. 450 B84
- 16977 CULBERSON, W. L., and HALE, M. E. The range of *Normandina pulchella* in North America. *Bryologist* 69(3):365-367, map. Autumn 1966. 450 B84
- 16978 CULBERSON, W. L. Recent literature on lichens. 58. *Bryologist* 69(2):254-259. Summer 1966. 450 B84
- 16979 CULBERSON, W. L. Recent literature on lichens. 59. *Bryologist* 69(3):383-387. Ref. Autumn 1966. 450 B84
- 16980 DICKINSON, C. H. *Wardomyces pulvinata* comb. nov. *Brit. Mycol. Soc. Trans.* 49(3):521-522. Sept. 1966. 451 B76
- 16981 DISSING, H., and NANNFELDT, J. A. *Helvella cupuliformis* sp. nov., *H. villosa* (Hedw. ex O. Kuntze) comb. nov., *H. macrospora* (Pers. ex Fr.) Karst., and their allies. *Svensk Bot. Tidskr.* 60(2):325-337. Ref. 1966. 450 Sv2
- 16982 DEGELIUS, G. Lichens of the summit of the Picacho de Veleta (Sierra Nevada, Spain). A contribution to the knowledge of the flora at high altitudes. *Svensk Bot. Tidskr.* 60(2):338-340. 1966. 450 Sv2
- 16983 ERIKSSON, O. On *Anthostomella* Sacc., *Entostomaria* (Sacc.) Hohn. and some related genera (*Pyrenomyces*). *Svensk Bot. Tidskr.* 60(2):315-324. Ref. 1966. 450 Sv2
- 16984 FOOTE, K. G. The vegetation of lichens and bryophytes on limestone outcrops in the Driftless Area of Wisconsin. *Bryologist* 69(3):265-292. Ref. Autumn 1966. 450 B84
- 16985 GALUN, M., and LAVEE, H. Lichens from Har Meron (Jebel Jermak), Upper Galilee. *Bryologist* 69(3):324-333. Ref. Autumn 1966. 450 B84
- 16986 GEESTERANUS, R. A. M. *Geoglossaceae* of India and adjacent countries. *Persoonia* 4(1):19-46. Ref. 1965. QK600.P4
Taxonomic study.
- 16987 GEESTERANUS, R. A. M. Notes on *Hydnus*. IV. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C. Biol. Med. Sci. 69(3):317-333. 1966. 442.9 Am8
Includes *Stegiacaantha* n. g.
- 16988 GUTSEVICH, S. A. On the origin of the mycoflora of Crimea. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 3:25-37. Ref. 1965. 442.9 L542V
English summary.
Phoma and *Phyllosticta*.
- 16989 HALE, M. E., and CULBERSON, W. L. A third checklist of the lichens of the continental United States and Canada. *Bryologist* 69(2):141-182. Summer 1966. 450 B84
- 16990 HARRIS, R. J. The genus *Peniophora* in Illinois. Ill. State Acad. Sci. Trans. 59(3):254-274. Ref. 1966. 500 IL6
- 16991 HENSSEN, A. Two noteworthy lichen finds in Lycksele Lappmark. (Ge) Svensk Bot. Tidskr. 60(2):341-342. 1966. 450 Sv2
Ephebe multispora and *Porocyphus dispersus*.
- 16992 HERING, T. F. The terricolous higher fungi of four lake district woodlands. *Brit. Mycol. Soc. Trans.* 49(3):369-383. Ref. Sept. 1966. 451 B76
- 16993 INUI, T., TAKEDA, Y., and HIZUKA, H. Taxonomical studies on genus *Rhizopus*. J. Gen. Appl. Microbiol. 11(sup.), 121 p. Ref. Dec. 1965. 448.3 J824
Includes morphological and physiological characteristics.
- 16994 LAMBERT, J. D. H. *Teloschistes arcticus* Zahlbr. reaffirmed in the Canadian Arctic. *Bryologist* 69(3):358-361. Autumn 1966. 450 B84
- 16995 LE GAL, M., and MANGENOT, M. F. Contribution to the study of *Mollisiaceae*. (Fr) Rev. Mycol. 31(1):3-44. (Cont.) July 1966. 450 An74
- 16996 MARTIN, W. The Lichen flora of New Zealand. *Tuatara* 13(2):112-115. July 1965. 442.8 T79
- 16997 MARTIN, W. The *Parmeliaceae* of New Zealand and a key to indigenous species of *Parmelia*. *Tuatara* 14(1):7-12. Apr. 1966. 442.8 T79
- 16998 MOORE, B. J. The chemistry of the *Parmelia perforata* group in Florida. *Bryologist* 69(3):335-356, map. Autumn 1966. 450 B84
Chemotaxonomy of *P. perforata* and *P. rigida*.
- 16999 NANNENGA-BREMEKAMP, N. E. Notes on *Myxomycetes* X. Some new species of *Licea*, *Reticularia*, *Cribraria*, *Dictydialathium*, *Trichia* and *Metatrachia*. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C. Biol. Med. Sci. 69(3):336-349. 1966. 442.9 Am8
- 17000 PAUL, A. R., and PARBERY, D. G. The perfect state of *Helminthosporium bicolor*. *Brit. Mycol. Soc. Trans.* 49(3):385-386. Sept. 1966. 451 B76
Cochliobolus bicolor n. sp.
- 17001 PISAREVA, N. F. *Ascomycetes* et *Fungi Imperfecti* novi in Regio Ajtubinsk. Akad. Nauk Kaz. SSR. Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:117-122. 1966. 451 AL632
Text also in Russian.
- 17002 ROY, R. Y., and GUJARATI, S. *Abglophragma setosum* gen. et sp. nov. from soil. *Brit. Mycol. Soc. Trans.* 49(3):363-365. Sept. 1966. 451 B76
From India.
- 17003 ROY, R. Y., and LEELAVATHY, K. M. *Phialotubus microsporus* gen. et sp. nov., from soil. *Brit. Mycol. Soc. Trans.* 49(3):495-498. Sept. 1966. 451 B76
- 17004 SHAW, H. K. A. Additions to the wild fauna and flora of the Royal Botanic Gardens, Kew. *Kew. Roy. Bot. Gard. Kew Bull.* 20(2):201-231. 1966. 451 K51B
Fungi.
- 17005 SHIPTON, W. A. *Curvularia harveyi* sp. nov. *Brit. Mycol. Soc. Trans.* 49(3):523-524. Sept. 1966. 451 B76
From Australia.

- 17006 SHVARTSMAN, S. R. Species raras et novae in Lepidolopha C. Winkl. ex Kazachstaniae. Akad. Nauk Kaz. SSR, Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:108-116. Ref. 1966. 451 AL632
Text also in Russian.
Nectria lepidolophae and Tubercularia lepidolophae, n.spp.
- 17007 SUTTON, B. C., and PIROZYNSKI, K. A. Phragmotrichum karstenii. Brit. Mycol. Soc. Trans. 49(3):522. Sept. 1966. 451 B76
- 17009 VASIL'KOV, B. P. On the intraspecific taxa, as illustrated by the example of Boletus edulis Fr. (Rus) Bot. Zhur. [Moscow] 50(12):1665-1672. Ref. Dec. 1965. 451 R923
English summary.
- 17009 VASYAGINA, M. P. Notae ad floram fungi e Tarbagataj, L. Akad. Nauk Kaz. SSR, Inst. Bot. Gerbarii. Bot. Mater. Notulae Syst. 4:123-139. 1966. 451 AL632
Text also in Russian.
- 17010 WAKEFIELD, E. M. Some extra-European species of Tomentella. Brit. Mycol. Soc. Trans. 49(3):357-362. Sept. 1966. 451 B76
Includes n. spp.
- 17011 WARCUP, J. H., and TALBOT, P. H. B. Perfect states of some Rhizoctonias. Brit. Mycol. Soc. Trans. 49(3):427-435. Ref. Sept. 1966. 451 B76
Includes Thanatephorus orchidicola n. sp.
- 17012 WEBBER, E. E. Fungi from a Massachusetts salt marsh. Amer. Microscop. Soc. Trans. 85 (4):556-558. Oct. 1966. 440.9 Am33
- 17013 WILLUGHBY, L. G. An unusual chytrid from incubated leaf litter. Brit. Mycol. Soc. Trans. 49(3):451-455. Sept. 1966. 451 B76
- WEEDS AND POISONOUS PLANTS**
- 17014 KONSTANTINOV, K. Testing certain soil herbicides in the control of potato weeds. (Bu) Rastenievudni Nauk. 2(8):135-147. Ref. 1965. 64.8 R18
English summary.
- 17015 TURNER, E. E. Pretty enough to kill you. Forests People 16(3):43-45. Third Q. 1966. 99.8 F7628
Poisonous plants.
- 17016 UJVAROSI, M. Changes in weed vegetation on arable land in the last ten years. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(3/4):275-289. 1966. 19 B855
German summary.
- Weeds - Biology**
- 17017 ANDREEV, K., and LAZAROV, M. Study on some substances containing nitrogen and carbohydrates in broom rape (Orobanchaceae cumana Wallroth) parasitizing on sunflower (Helianthus annuus L.). (Bu) Rastenievudni Nauk. 3(4):65-71. 1966. 64.8 R18
English summary.
- 17019 HAWKSWORTH, F. G., and WIENS, D. Observations on witches-broom formation, autopathism, and new hosts in Phoradendron. Madrono 18(7):218-224. Ref. July 1966. 450 M26
- 17019 HUXLEY, P. A., and TURK, A. Factors which affect the germination of seeds of six common East African weeds. Exp. Agr. 2(1):17-25. Ref. Jan. 1966. 10 Ex72
- 17020 KLEBINGAT, G. Forest weed biology: information from observations and germination tests lasting for one year. (Ge) Sozialistische Forstwirtschaft. 16(7):204-208. Ref. July 1966. 99.8 W143
English summary, p.224.
- 17021 POSTOVALOVA, G. G. On the occurrence of Elodea canadensis Michx. in the Archangel Region. (Rus) Bot. Zhur. [Moscow] 51(3):408-409. Mar. 1966. 451 R923
Aquatic weed.
- 17022 REID, J. A. A rare parasitic plant. Malayan Natur. J. 19(4):237-238. Dec. 1965. 409.6 M29
Aeginetia pedunculata parasitizing Christisonia scortechinii in Malaysia.
- 17023 WOLLERT, H. Weed communities of the Oser of central Mecklenburg. (Ge) Arch. Freunde Naturgesch. Mecklenb. 11:85-97, map. Ref. 1965. 474 Ar2
Excerpt from thesis.
- Weed Control**
- 17024 BUCHHOLZ, C. Weed control under clear plastic mulch. Nat. Agr. Plast. Conf. Proc., 6th Conf.:59-66, 1965. 309.9 N216
In vegetables.
- 17025 CASARINI, B., POLDINI, L., and SILVESTRI, G. Experimental investigations on weed control in peas for canning. (It) Indus. Conserve 41(3):205-219. July/Sept. 1966. 389.8 In23
English summary, p.3 of supplement.
- 17026 DOGGETT, H. Striga. Sols Agr. 10(2/3):289-296. May/Dec. 1965. 56.8 So4
Text also in French, p.291-292.
Control of Striga in grain crops.
- 17027 LYUBENOV, YA. The effect of pre-sowing tillage on the after-effect of certain triazine herbicides. (Bu) Rastenievudni Nauk. 2(5):141-144. 1965. 64.8 R18
English summary.
Wheat.
- 17028 MUKHOPADHYAY, S. K. Control of weeds in wheat and rice for increasing crop production. Indian J. Agron. 10(1):72-82. Ref. Mar. 1965. 22 In235
- 17029 OLVEGARD, P. Intensification of the control of wild oats. (Sw) Skaraborgs Lans Hushallningsallsk. Tidsn. 3:56-58. June 1966. 11 Sk1
- 17030 POTTER, G. F. Weeds, not water, caused the problem. Amer. Tung News 17(5):7. May 1966. 307.8 Am33
Includes control in Florida.
- 17031 SINHA, T. D., and THAKUR, C. Study of growth behaviour and control of nutgrass (Cyperus rotundus L.). Indian J. Agron. 10(1):83-84. Mar. 1965. 22 In235
- 17032 STEFFENS, U. Killing and rooting out weeds. (Ge) Kartoffelbau 17(7):192-193. July 1966. 75.8 K145
- Weed Control - Chemical**
- 17033 AMME, M. Increasing use of herbicides in grasses and in small seed legumes. (Ge) Landwirtschaft 7(4):187-189. Apr. 1966. 18 W763
Grasses, clover, and alfalfa in East Germany.
- 17034 ARISTEGUY, D., SERT, P. DU, and THENARD, J. Chemical weed control in maize with paraquat; 1964 tests. (Fr) Phytat.-Phytopharm. 14(2):99-107. June 1965. 464.8 P564
- 17035 BASKAKOV, YU. A., and others. Herbicidal derivatives of hydroxylamine. (Rus) Agrokhi-miya 10:135-140. Oct. 1965. 385 Ag89
Yu. V. Shchlov, N. A. Volodarskaya, and I. A. Melnikova, joint authors.
Used on field crops.
- 17036 BERGMANN, J. H. First experiences in the use of ammonium sulfate for the control of weed and unwanted trees. (Ge) Sozialistische Forstwirtschaft. 16(6):175-178. June 1966. 99.8 W143
- 17037 BUCHANAN, G. A., and DICKENS, R. Chemicals for weed control in soybeans. Highlights Agr. Res. [Ala. Sta.] 13(2):6. Summer 1966. 100 AL1H
- 17038 BURCHARDS, O. Paraquat in control of weeds in nurseries. (Ge) Deut. Baumschule 18(4):104-107. Apr. 1, 1966. 80 D486
Includes equipment.
- 17039 BURT, E. O. Tolerance of warmseason turfgrasses to preemergence and postemergence herbicides. Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 65-7.5 p. May 1965. 80 F6644

- 17040 CORRALES MACEDO, A. Herbicides in beans. (Sp) Vida Agr. [Lima] 42(506/507):563,565, 567-568. 1966. 9.8 V66
Peru.
- 17041 CROSBY, D. G., and TUCKER, R. K. Toxicity of aquatic herbicides to *Daphnia magna*. Science 154(3746):289-291. Ref. Oct.14,1966. 470 Sci2
- 17042 DETZ, H. Control of weeds in roses. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:99-101. 1966. 86 B65
Chemical.
- 17043 ENGELHARDT, J., and MCKINLEY, W. P. Bipyridylum herbicides: polarography of 1, 1'-ethylene-2,2'-bipyridylum dibromide. J. Agr. Food Chem. 14(4):377-380. Ref. July/Aug. 1966. 381 J8223
- 17044 ERDEI, S. On the effect of two new herbicide. (Hu) Magyar Mezogazdasag 21(36):12-13. Sept.7,1966. 19 M27
K-64 for corn and Burgonya for potato.
- 17045 ERDEI, S. Some problems in weed control of corn. (Hu) Magyar Mezogazdasag 21(36):12-13. Sept.21,1966. 19 M27
Chemical.
- 17046 FEILER, S. New notions on the chemical control of weeds in the German Democratic Republic. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1575-1579. 1965. 509 D61
Forest nurseries.
- 17047 FEYERABEND, C. New herbicides and their use in agricultural crops. (Ge) Feldwirtschaft 7(4):180-182. Apr.1966. 18 W763
Field crops in Germany.
- 17048 FUKEL'MAN, L. M., and KLYUEVA, M. N. Application of dalapon on grapes and in the fruit gardens. (Rus) Khim. Sel'skom Khoz. 4(4):36-40. Ref. Apr.1966. 385 K524
Apples.
- 17049 GATES, D. H. What to tell your farmers about pesticides in range management. Farm Technol. 22(7):8-9,17. July/Aug.1966. 275.28 N213
Herbicides and insecticides.
- 17050 GERMANE, S., and others. Toxicology of the new herbicide 1-phenyl-4-amino-5-chloropyridazine-6 (phenazone, chlorazon). (Rus) PZIN Srat. Akad. Vestis 8:119-126. Ref. 1966. 511 R442
A. Kimenis, N. Popova, and E. Fridrihsons, joint authors.
English summary.
Tests on animals.
- 17051 GERSDORF, E., and BOTTCHE, H. Experiments in the chemical weeding of seed potato stands. (Ge) Gesunde Pflanzen 18(1):12-14. Jan.1966. 464.8 G33
- 17052 GRANSTROM, B., and ANDERSSON, A. Chemical weed control. (Sw) Skaraborgs Lans Hushallningssallsk. Tidsn. 2:25-30. Apr.1966. 11 Sk1
Comments by Paul Olvegard, p.30-32.
- 17053 GRANSTROM, B. Weeds in special crops. (Sw) Svensk Frotidsn. 4:61-62. Apr.15,1966. 61.8 Sv2
Chemical control.
- 17054 GUTENMANN, W. H., and LISK, D. J. Electron capture determination of Cotoran, Tenoran, and Tupersan herbicides following hydrolysis and bromination. J. Gas Chromatogr. 4(11):424-425. Nov.1966. 381 J8225
N'-(3-trifluoromethyl)-phenyl-N',N'-dimethylurea, N-4-(4'-chlorophenyl)-phenoxy-N,N'-dimethylurea, and 1-(2-methylcyclohexyl)-3-phenylurea, respectively.
- 17055 HEMER, M. Weed control of lawn grasses. (Ge) Gesunde Pflanzen 17(11):216-218. Nov. 1965. 464.8 G33
Chemical.
- 17056 HEUVER, M. Control of foxtail [*Alopecurus agrestis*]. (Du) Loonbedrijf Land- Tuinbouw 19(9):791,793,795. Sept.1966. 283.8 L87
Chemical control.
- 17057 HUBERT, K. Experiences in chemical weed control 1965 in the Halle district. (Ge) Feldwirtschaft 7(4):184-187. Apr.1966. 18 W763
- 17058 JAKOBSONS, P. Kjemisk ugrasstyng i poteter [Chemical weed control in potatoes]. Norway. Landsbruksdep. Opplysningstjenesten. Smaskr. 11,4 p. 1966. 464.4 N83
- 17059 KABIERSCH, W. Success and risks of the chemical weed control. (Ge) Kartoffelbau 17 (4):103-104. Apr.1966. 75.8 K145
- 17060 KAC, M. Application of herbicides in fruit orchards. (Sl) Soc. Kmetijstvo Godzdarstvo 17 (1):7-11. Jan.15,1966. 21.5 S014
- 17061 KEARNS, H. G. H. Developments in spray techniques for plant protection of temperate and tropical crops. II. Roy. Hort. Soc. J. 91(10):425-433. Oct.1966. 84 L84J
Chiefly herbicides.
- 17062 KHANNA, S., and FANG, S. C. 2,4-D metabolism: of C14-labeled 2,4-dichlorophenoxyacetic acid in rats. J. Agr. Food Chem. 14(5):500-503. Sept./Oct.1966. 381 J8223
- 17063 KONSTANTINOV, K. Possible use of 2,4-D for weed control in potatoes. (Bu) Rastenievudni Nauk. 2(10):159-167. Ref. 1965. 64.8 R18
English summary.
- 17064 KURTZ, E. B., and others. I. Sucrose derivatives of tallow: new, effective surfactants for herbicide sprays. II. Thin layer chromatography of sugar esters and sucroglyceride. Ariz. Agr. Exp. Sta. Tech. Bull. 176,23 p. Ref. July 1966. 100 Ar4
K. C. Hamilton, S. B. Bingham, J. R. McCarthy and N. Hartwig, joint authors.
- 17065 LAAR, H. J. VAN DE. Control of weeds in seed beds after emergence. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:91-93. 1966. 86 B65
Chemical.
- 17066 LAAR, H. J. VAN DE. Control of weeds of seedlings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:93-96. 1966. 86 B65
Shrubs; chemical control.
- 17067 LAAR, H. J. VAN DE. Pre-emergence control of weeds in seed beds. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:90-91. 1966. 86 B65
Chemical.
- 17068 LAAR, H. J. VAN DE. Simazine field trials. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1965:89-90. 1966. 86 B65
Control of weeds in shrubs.
- 17069 LANGE, A. H. Weeds in California vegetable crops: a survey of problems and herbicide possibilities. Calif. Agr. 20(6):8-10. June 1966. 100 C12Cag
Chemical control.
- 17070 LYUBENOV, Y. A. On use of 2,4-D as herbicide in corn and response of certain varieties to it. (Bu) Rastenievudni Nauk. 2(11):83-91. Ref. 1965. 64.8 R18
English summary.
- 17071 MARSHALL, F. J., MCMAHON, R. E., and JONES, R. G. Labeled herbicides: preparation and stability of C14-labeled trifluralin and related compounds. J. Agr. Food Chem. 14(5):498-500. Sept./Oct.1966. 381 J8223
- 17072 MEZ, E. The ABC of herbicides. (It) G. Agr. 76(33/34):368. Aug.14/21,1966. 16 It1G
- 17073 MITCHELL, B. Control of weeds in grassland. Farm Res. News 7(4):90-94. July/Aug.1966. 10.5 F223
Chemical control in Ireland.
- 17074 MUELLER, E. W., and MUTSCHKE, H. Actual plant protection. (Ge) Obstbau [Berlin] 5(9):141-142. Sept.1965. 80 Ob79
Chemical weed control of strawberries and control of pear virus diseases.
- 17075 MUTTI, U. Weed control in vineyards. (It) Avvenire Agr. 73(11):278-280. Nov.1965. 16 Av9
Use of Prefix 10: a 10% 2,6-dichloro-benzamide product.
- 17076 NOVAKOVA, V. Chemical weed control of legumes. (Cz) Za Vysokou Urodu 14(7):273-274. July 1966. 64.8 Z12
- 17077 OHNESORGE, M. Experiences in the control of field foxtail grass [*Alopecurus agrestis*]. (Ge) Mitt. Deut. Landwirt.-Ges. 81(37):1371-1372. May 15,1966. 18 N39
Chemical control in wheat.
- 17078 PERSSON, N. E. Herbicides in the service of fruit culture. (Sw) Fruktodlaren 37(4):103-104. May 1966. 86 Sv2F

- 17079 REEVES, B. G., and others. Suggestions for weed-control with chemicals. *Tex. Agr. Exp. Sta. B-1029*, 56 p. 1966. 100 T31S
L. H. Wilkes, H. O'Neal, T. E. Boswell, A. L. Harrison, G. O. Hoffman, R. H. Haas, W. G. McCully, A. F. Wiese, B. R. Spears, F. C. Elliot, I. M. Atkins, H. E. Rea, A. C. Novosad, E. C. Holt, R. J. Mears, W. T. Flinchum, N. P. Maxwell, B. G. Hancock, J. B. Storey, J. E. Larsen, D. R. Paterson, R. M. Monges, J. H. Kyle, M. A. Bailey, T. D. Longbrake, M. J. Norris, W. G. Klussman, J. M. Inglis, J. D. Price, H. Brady, and E. M. Trew, joint authors.
Published jointly with Texas Agricultural Extension Service.
- 17080 ROMAGNOLI, R. J., and BAILEY, J. P. Direct gas chromatographic determination of isopropyl N-(3-chlorophenyl)carbamate (CIPC). *Anal. Chem.* 38(13):1928-1929. Dec. 1966. 381 J825A
In soils.
- 17081 ROMANOVSKA, O., and STRAUME, O. Tests of physiological effect of herbicide phenazone [1-phenyl-4-amino-5-chloro-pyridazone-6]. (La) *Latv. PSR Zinat. Akad. Vestis* 6:94-100. 1966. 511 R442
English summary.
- 17082 SARPE, N. Prometryne in the weed control of potato stands. (Rum) *Rev. Gosp. Agr. Stat* 18(5):16-17. May 1966. 21 R32
- 17083 SLIFE, F. W. Weed control in soybeans in the West Central States. *Soybean Dig.* 26(12):78-79. Sept. 1966. 60.38 So9
In soybeans; chiefly chemical.
- 17084 TAMURA, S., and others. 3-phenoxyypyridazine as a new selective herbicide. *Agr. Biol. Chem.* 30(4):423-424. Apr. 1966. 385 Ag8B
T. Jojima, K. Kawakubo, K. Nakamura, and T. Takematsu, joint authors.
Tested in rice fields.
- 17085 TIDEMAN, A. F. Weed control in channels, drains and dams. *S. Australia J. Agr.* 69(12): 426-433. July 1966. 23 So84
Chemical control of aquatic weeds.
- 17086 TOKHTABAEV, Z. T. Prometryne—promising herbicide in weed control. (Rus) *Khlopkovodstvo* 9:42-43. Sept. 1966. 72.8 K522
Cotton.
- 17087 TOPALOV, V. Effectiveness of prometryne use for control of weeds in cotton. (Bu) *Rastenievudni Nauk.* 2(9):125-135. Ref. 1965. 64.8 R18
English summary.
- 17088 TRUNKOV, I. Weed control in corn by row-placement of herbicides. (Bu) *Rastenievudni Nauk.* 2(10):151-157. 1965. 64.8 R18
English summary.
- 17089 VIDMES, T. Weed control 1966. (No) *Norsk Landbruk* 10:9-11, 53. May 20, 1966. 11 N8122
Chemical.
- 17090 WAL, D. V. D. Weed control in the stubble. (Du) *Loonbedrijf Land- Tuinbouw* 19(4):707. Nov. 1966. 283.8 L87
Chemical.
- 17091 WALKOWIAK, H. Chemical weed control on grassland. (Ge) *Feldwirtschaft* 7(4):198-200. Ref. Apr. 1966. 18 W763
- 17092 ZANARDI, D., and PINNA, F. Chemical weed control in autumn beets in Sardinia. (It) *Colt. G. Vinicolo Ital.* 112(6/7):200-208. (Concl.) June/July 1968. 16 C72
- 17093 ZUPANCIC, T. A contribution to the study of the effectiveness of prometryne in the soybean weed control. (Se) *Poljoprivredni Pregl.* 15(1/2):33-43. Jan./Feb. 1966. 21.5 P753

Weed Control - Cultural, Biological

- 17094 HEDEGARD, J. Tillage in stubble fields? (Da) *Dansk Landbrug* 85(9):252-254. Sept. 1966. 280.28 V91
Chiefly weed control.
- 17095 MOOLANI, M. K. Effect of time of weed removal on yield of maize. *Indian J. Agron.* 10 (3):313-318. Ref. Sept. 1965. 22 In235
Amaranthus hybridus weed species.
- 17096 RADEMACHER, B. Weed control on grain-rich farms as a soil fertility problem. (Ge) *Landwirt. Forsch. Sonderheft* 20:21-38. Ref. 1966. 18 L2333A
Rotations and fertilizers.

SOILS AND FERTILIZERS

SOIL SCIENCE

- 17097 COCKROFT, B. Pedology of the Goulburn Valley area, Victoria. (Victoria Dep. Agr. Tech. Bull. 19, 26 p., map. 1965. 23 V66T) Stratigraphy of layers; application in irrigated horticulture.
- 17098 PRYASHNIKOV, D. N. Teaching soil science. (Russ) Agrokimiya 11:96-99. Nov. 1965. 365 Ag89
- Soil Physics**
- 17099 BEDNAREK, A. Frequency of maximum and minimum soil temperatures in a mixed coniferous forest community (Pineto Querceto serratalesum) in Bialowieza National Park. (Pol) Sylwan 109(5):55-63. 1965. 99.8 Sy52 English summary.
- 17100 BELL, J. P., and MCCULLOCH, J. S. G. Soil moisture estimation by the neutron scattering method in Britain. J. Hydrol. 4(3):254-263. Oct. 1966. 292.8 J82
- 17101 BLOEMEN, G. W. The calculation of evapotranspiration from groundwater depth observations. Wageningen. Inst. Cultuurtch. Waterhuishouding. Tech. Bull. 46:45-71. 1966. 282.9 W12T
- 17102 CHOTORLISHVILI, L. S. Periodical changes of the soil temperature under snow. (Russ) Akad. Nauk Gruz. SSR. Soobshch. 43(3):579-585. Sept. 1966. 511 Ak146
- 17103 COURAU, M. Modalities of infiltration of water in variable granulometric media, and the porosity constant. (Fr) Acad. Sci. Compt. Rend. Ser. D, 265(8):641-644. Aug. 1966. 505 P21
- 17104 DYMNA, G. D., and ZAN'KOVA, T. K. Effect of burning of old herbage on environmental conditions in one of the meadow types of Far-Eastern Maritime Territory. (Russ) Leningr. Univ. Vestnik. Ser. Biol. 3:15-24. Ref. 1965. 442.9 L542V English summary. Chiefly effect on temperature, moisture and aeration of soils.
- 17105 GALEVA, V. Concerning the problem of artificial structure formation of the soils. (Bu) Rastenievudni Nauk. 2(1):121-131. Ref. 1965. 64.8 R18 English summary. Soil conditioners.
- 17106 HANNEMANN, W. Effect of phosphoric acid and Thomas phosphate on the aggregate stability and the critical water contents of loess soils in the Rhenish Palatinate. (Ge) Phosphorsaur 26(1/2):1-11. Ref. 1966. 57.8 P563
- 17107 HARTGE, K. H. A permeameter for rapid measurement of numerous soil core samples. (Ge) Z. Kulturtech. Flurbereinigung 7(3):155-163. May/June 1966. S605.A1Z4 English summary.
- 17108 IGNATOV, I. On Chernozem-Smonitsa soil aeration during the vegetation period. (Bu) Rastenievudni Nauk. 2(9):13-22. Ref. 1965. 64.8 R18 English summary.
- 17109 JONSSON, E. Directions for the taking of soil sample for chemical analysis. (Sw) Stockholm. Stat. Lanthrukskem. Kontrollanstalt. Medd. 28:21-24. 1966. 385 St6
- 17110 JUSTYAK, J. Soil evaporation in irrigated grape plantation. (Hu) Kertesz Szolész. 15 (16):6. Aug. 1966. 80 K474
- 17111 KITSE, E. Water regime and aeration of soddy-podzolic soils. (Russ) Est. Sel'skokhoz. Akad. Sb. Nauch. Tr. 49:80-103. 1966. 106 Es83 German summary. Estonia.
- 17112 KNOBL, G. Some experiences with the regulation of the stratification of density and expected subsidence of marshes. (Ge) Oesterr. Wass-erwirtschaft. 18(7/8):178-181. July/Aug. 1966. 55.8 Oe8
- 17113 KOPP, E. Polygon development as a mechanism of soil structure. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 112(3):201-211. Ref. 1966. 384 Z343A English summary, p.IX.
- 17114 KUNTZE, H. The measurement of closed and open capillaries in undisturbed soils. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 113(2):97-106. Ref. 1966. 384 Z343A English summary, p.V.
- 17115 LEENHEER, L. DE. Evaluation of soil structure on the field and the study of practical factors with regard to the conservation of a good soil structure. (Fr) An. Edafol. Agronol. 24 (11/12):723-737. Nov./Dec. 1965. 506 Sp12
- 17116 O'BRIEN, D. Find foundation settlement related to desiccation of clayey soil by trees. Midwest Eng. 19(2):14-15. Oct. 1966. 290.8 M58
- 17117 PAPENDICK, R. L., and RUNKLES, J. R. Transient-state oxygen diffusion in soil. II. A case when rate of oxygen consumption varies with time. Soil Sci. 102(4):223-230. Ref. Oct. 1966. 56.8 So3
- 17118 RICHARDSON, B. Z. A tool for repairing installed soil moisture access tubes. J. Soil Water Conserv. 21(5):184. Sept./Oct. 1966. 56.8 J522
- 17119 RODRIGUEZ, G. G. Stabilization of soils. (Sp) Montes 22(128):149-154. Mar./Apr. 1966. 99.8 M763 Surfactants.
- 17120 SCHLOGL, A. Stability evaluation of aggregates in some Hesse soils. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 112(3):229-235. 1966. 384 Z343A English summary, p.X.
- 17121 STAPLE, W. J., and GUPTA, R. P. Infiltration into homogeneous and layered columns of aggregated loam, silt loam, and clay soil. Can. J. Soil Sci. 46(3):293-305. Ref. Oct. 1966. 56.8 C162
- 17122 STOCKWELL, H. J. Soil moisture data as a forecasting variable. West. Snow Conf. Proc., 33d Annu. Meeting:67-72. 1965. 340.9 W52
- 17123 WOHLRAB, B. Pore volume and pore size distribution as indication of soil fertility. (Ge) Landwirt. Forsch. Sonderheft 20:65-67. 1966. 18 L2333A
- 17124 YAKOBS, A. I., and others. Use of the computer "Minsk" to determine annual movement of the soils moisture. (Russ) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:101-108. Ref. Aug. 1966. 20 V633 Ya. S. Smetanich, M. B. Alimamedov, and L. Yevstigneeva, joint authors. English summary.
- 17125 ZOLLINGER, W. D., CAMPBELL, G. S., and TAYLOR, S. A. A comparison of water-potential measurements made using two types of thermocouple psychrometer. Soil Sci. 102(4):231-239. Oct. 1966. 56.8 So3 In soils and plants.
- Soil Chemistry and Mineralogy**
- 17126 ABDEL-BARR, A. A., MOUSTAFA, A. H. I., and FARAG, F. E. Calcium/sodium ratio in alkali soils and its effect on soil properties under laboratory and pot tests. J. Soil Sci., United Arab Repub. 5(2):135-144. 1965. 56.8 J825
- 17127 AKHITYRTSEV, B. P. Microelement content in Grey Forest soils of the Central Chernozem Region. (Russ) Agrokimiya 9:72-80. Sept. 1965. 385 Ag89
- 17128 APPIAGYEI-DANKA, P., and BUSSLER, W. Products with a slow release of boron. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 113(1):29-38. 1966. 384 Z343A English summary, p.III of summary section. Boron mixed with various adjuvants.
- 17129 AVERNA, V., PETRONICI, C., and BAZAN, E. A chemical-agrarian study of the soils of Sicily: Partinico (Palermo). (It) Ann. Sperim. Agr. (n.s.) 18(5/6):539-547. Ref. 1964, pub. 1966. 16 An76 English summary.

- 17130 BETTS, A. V. Mineralogy of a soil profile formed on dolerite, II. Bethal black clay. Transvaal. S. Afr. J. Agr. Sci. 9(1):49-66. Ref. Mar. 1966. 24 Su3
- 17131 BOBRITSKAYA, M. A., DOKSHINA, T. V., and ANDREEVA, E. A. Transformation of nitrogen fertilizers in soddy-podzolic soils. (Rus) Agrokhimiya 7:37-41. July 1965. 385 Ag89
- 17132 BRYAN, O. C. The crop value of cumulated trace minerals in sandy soils. Citrus Indus. 47(9):24. Sept. 1966. 80 C49
In Florida.
- 17133 BUCHER, R. Most desirable level of hydrogen-ion concentration, lime and magnesium in soil. (Ge) Kartoffelbau 1(1):11-13. Jan. 1965. 75.8 K145
Potato soils.
- 17134 CARBALLAS, T., and OJEA, F. G. Evolution of mineral composition of the leaf-fall in their incorporation to the soil. (Sp) An. Edafol. Agrobiol. 25(3/4):151-163. Ref. Mar./Apr. 1966. 506 Sp12
English summary.
- 17135 CARSON, J. A. Comparison of methods for amino acid analysis using a desalted hydrolyzate on a Spinco/Beckman analyzer and an untreated hydrolyzate on a technician autoanalyzer. Can. J. Soil Sci. 46(3):307-309. Ref. Oct. 1966. 56.8 C162
- 17136 CASHEN, G. H. Electric charges of clays. J. Soil Sci. 17(2):303-316. Ref. Sept. 1966. 56.8 J823
- 17137 CHESHIRE, M. V., and MUNDE, C. M. The hydrolytic extraction of carbohydrates from soil by sulphuric acid. J. Soil Sci. 17(2):372-381. Ref. Sept. 1966. 56.8 J823
- 17138 CLARK, J. S. The distribution constant for exchange of calcium and magnesium in Wyoming bentonite. Can. J. Soil Sci. 46(3):271-280. Ref. Oct. 1966. 56.8 C162
- 17139 CLARK, J. S., and NICHOL, W. E. The lime potential—percent base saturation relations of acid surface horizons of mineral and organic soils. Can. J. Soil Sci. 46(3):281-285. Ref. Oct. 1966. 56.8 C162
- 17140 COTTENIE, A., and GABRIELS, R. The Neubauer method as an aid for trace element investigation in soils. Naturwissenschaften 53 (8):199. Apr. 15, 1966. 474 N213
- 17141 DU PLESSIS, S. F., and BURGER, R. DU T. Phosphate fixation studies on two sandy soils of the Orange Free State region. S. Afr. J. Agr. Sci. 9(1):117-126. Ref. Mar. 1966. 24 Su3
- 17142 DUTTON, J. W. R. Detection of thorium-234/proactinium-234m in sediments from the Ribble Estuary, Lancashire, England. Nature [London] 211(5056):1395-1396. Sept. 24, 1966. 472 N21
- 17143 ENWEZOR, W. O., and MOORE, A. W. Comparison of two methods for determining organic phosphorus in some Nigerian soils. Soil Sci. 102(4):284-285. Oct. 1965. 56.8 Sc3
- 17144 EVANS, E. J., and DEKKER, A. J. Fixation and release of Cs-137 in soils and soil separates. Can. J. Soil Sci. 46(3):217-222. Ref. Oct. 1966. 56.8 C162
- 17145 EVDOKIMOVA, T. I., and KUZ'MENKO, I. T. Dynamics of nitrogen, phosphorus, and potassium in the soils of the Moskva River Valley under cultivation. (Rus) Agrokhimiya 8:43-50. Aug. 1965. 385 Ag89
- 17146 FASSBENDER, H. W., and ULRICH, B. Rate of dissolution of rock phosphates. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 112(3):212-220. Ref. 1966. 384 Z343A
English summary, p.X.
- 17147 FRIDLAND, V. M., TSYURUPA, I. G., and ANDREEVA, A. Cation-exchange of iron oxides, and its role in the exchange ability of soil. (Rus) Akad. Nauk SSSR. Dokl. 168:917-920. Ref. 1966. 511 P444A
- 17148 GANEV, S. Methods of determining of soil cation-exchange capacity and some genetically important exchangeable cations. (Bu) Rastenievudni Nauk. 2(7):61-70. Ref. 1965. 64.8 R18
French summary.
- 17149 GANEV, S. On a new phenomenon in the optical properties of the humic acids. (Bu) Rastenievudni Nauk. 2(12):61-67. 1965. 64.8 R18
English summary.
- 17150 GANEV, S., and CHULDZHIYAN, KH. On possible extraction of mobile iron from soils by means of sulfosalicylic acid. (Bu) Rastenievudni Nauk. 2(10):103-112. 1965. 64.8 R18
English summary.
- 17151 GANEV, S., and CHULDZHIYAN, KH. On use of sulfosalicylic acid in determining iron in oxalate extract by Tamm method. (Bu) Rastenievudni Nauk. 2(8):69-72. 1965. 64.8 R18
English summary.
- 17152 GOLEYTANY, D. G. Organic matter and mobile aluminum in the Red and podzolic soils of western Georgia. (Rus) Agrokhimiya 10:118-122. Ref. Oct. 1965. 385 Ag89
- 17153 GUREVICH, S. M., and BORONIN, N. K. Dynamics of nitrates in Chernozem under conditions of irrigation. (Rus) Agrokhimiya 8:32-42. Ref. Aug. 1965. 385 Ag89
Barley and sugar beets.
- 17154 HALSTEAD, R. L., ANDERSON, G., and SCOTT, N. M. Extraction of organic matter from soils by means of ultrasonic dispersion in aqueous acetone. Nature [London] 211(5056):1430-1431. Ref. Sept. 24, 1966. 472 N21
- 17155 HINMAN, W. C. Ammonium fixation in relation to exchangeable K and organic matter content in two Saskatchewan soils. Can. J. Soil Sci. 46(3):223-225. Ref. Oct. 1966. 56.8 C162
- 17156 HOLTZBERG, S. Soil tests 1964/1965. (Sw) Stockholm. Stat. Lantruskem. Kontrollanstalt. Medd. 28:11-12. 1966. 385 St6
- 17157 HOWARD, P. J. A. The carbon-organic matter factor in various soil types. Oikos 15(2):229-236. 1966. 410 O14
Great Britain.
- 17158 HUANG, P. M., and JACKSON, M. L. Fluoride interaction with clays in relation to third buffer range. Nature [London] 211(5050):779-780. Aug. 13, 1966. 472 N21
- 17159 HUTCHESON, A. T. Thermodynamics of cation exchange on clay: Ca-K-montmorillonite. J. Soil Sci. 17(2):339-355. Ref. Sept. 1966. 56.8 J823
- 17160 IVANOV, P. Extraction of different soil phosphate compounds with solvents used in several chemical methods. (Bu) Rastenievudni Nauk. 2(12):133-144. Ref. 1965. 64.8 R18
English summary.
- 17161 IVANOV, P. G. On the extractive methods of determining organic phosphorus in soils. (Bu) Rastenievudni Nauk. 2(9):47-56. Ref. 1965. 64.8 R18
English summary.
- 17162 JENSEN, A. T., and FLYGE, H. The minerals present in sands from Danish soils and subsoils. IV. Heavy minerals in the sand fraction. Denmark. Vet.-Landbohøjsk. Arsskr., 1966: 118-128. 104 D41A
- 17163 JOHNSON, C. M., and NEEDHAM, P. R. Ionic composition of Sagehen Creek, California, following an adjacent fire. Ecology 47(4):636-639. Summer 1966. 410 Ec7
Cation exchange of soil.
- 17164 JUNG, L., and NEMETH, K. Investigations into the ion supply in some North Persian soils. (Ge) Z. Pflanzenernahr. Dungung. Bodenk. 113 (2):131-140. Ref. 1966. 384 Z343A
English summary, p.VI.
- 17165 KEENEY, D. R., and BREMNER, J. M. A chemical index of soil nitrogen availability. Nature [London] 211(5051):892-893. Aug. 20, 1966. 472 N21
- 17166 KHAN, S. U., and WEBSTER, G. R. Certain equilibrium ion ratios for a solonchak soil. J. Soil Sci. 17(2):248-254. Ref. Sept. 1966. 56.8 J823
- 17167 KHINOV, G., and GANEV, S. The optical properties of the differentiated fractions of the group of humic acids. (Bu) Rastenievudni Nauk. 2(5):101-108. Ref. 1965. 64.8 R18
English summary.
- 17168 KLEMMEDSON, J. O., and JENNY, H. Nitrogen availability in California soils in relation to precipitation and parent material. Soil Sci. 102(4):215-222. Ref. Oct. 1966. 56.8 Sc3

- 17169 KOHNLEIN, J., OEHRING, M., and SPIELHAUS, G. Leaching of nutrients from topsoil to subsoil on six different soils of Schleswig-Holstein. (Ge) Z. Acker- Pflanzenbau 124(3): 212-233. Aug. 1966. 18 J825
English summary.
- 17170 KONOVALOVA, A. S. The group composition of humus as one of the main diagnostic indices showing the degree of cultivation of soddy-podzolic soils. (Rus) Est. Sel'skokhoz. Akad. Sb. Nauch. Tr. 49:147-155. 1966. 106 Es83
English summary.
U.S.S.R.
- 17171 KOZHUKHAROV, M., and GUSHEV, K. Determining the exchangeable forms of iron and aluminum in soils, using Tamm method. (Bu) Rastenievudni Nauk. 2(7):71-80. Ref. 1965. 64.8 R18
English summary.
- 17172 KRAYEV, V. F., DAVYDYUK, L. O., and SERGEEVA, L. G. Chemical and physico-chemical characteristics of loess soils of the south of Ukraine. (Ukr) Akad. Nauk Ukr. RSR. Dopovidy 7:931-934. 1966. 511 K54
English summary.
- 17173 KRYKUNETS', V. M. Effect of sugar beets on the interconversion of the nitrate and ammonial forms of nitrogen in lowland peaty soil. (Ukr) Mikrobiol. Zhur. 27(4):13-18. Ref. 1965. 448.3 K54
English summary.
- 17174 LE ROUX, J., and DE VILLIERS, J. M. Cation exchange capacity and degree of saturation with metal cations of highly weathered soils. S. Afr. J. Agr. Sci. 9(1):31-42. Ref. Mar. 1966. 24 S83
- 17175 MACHEVA, K. Some properties of Gray Forest soils as dependent on mineralogical composition and quantity of silt fraction. (Bu) Rastenievudni Nauk. 2(7):81-87. Ref. 1965. 64.8 R18
English summary.
- 17176 MILCHEVA, M. Content, total volume and distribution of phosphorus along the profile of the Gray-Forest soils in Bulgaria. (Bu) Rastenievudni Nauk. 2(1):85-94. Ref. 1965. 64.8 R18
English summary.
- 17177 MORANI, V. How the soil nourishes the plants. (It) Ital. Agr. 103(9):763-772. Sept. 1966. 16 I11
Ion absorption and exchange, state of nutrient elements in soils, and saturation of the absorption complex.
- 17178 MOROZOVA, N. G. Compilating maps of natural radioelement content in the soils of Estonian S.S.R. (Rus) Est. Sel'skokhoz. Akad. Sb. Nauch. Tr. 49:165-181, map. 1966. 106 Es83
English summary.
Radium, thorium and uranium.
- 17179 MULJADI, D., POSNER, A. M., and QUIRK, J. P. The mechanism of phosphate adsorption by kaolinite, gibbsite, and pseudoheumite. I-II. J. Soil Sci. 17(2):212-247. Ref. Sept. 1966. 56.8 J623
- 17180 MUSIEROWICZ, A., and SYTEK, J. Fractions of humus compounds in typical Brown and Gray Brown Podzolic arable soils formed of loess. (Pol) Roczn. Nauk Roln. 91-A-1:97-112. Ref. 1966. 20.5 R59
English summary.
- 17181 MUSIEROWICZ, A., and SKORUPSKA, T. Fractions of humus compounds in Chernozem, Black Earths and Rendzina soils. (Pol) Roczn. Nauk Roln. 91-A-1:1-56. Ref. 1966. 20.5 R59
English summary.
- 17182 NOWOSIELSKA, B. Effect of various many-year fertilization upon zinc content in soil. (Pol) Roczn. Nauk Roln. 91-A-2:429-439. Ref. 1966. 20.5 R59
English summary.
- 17183 OWSSIA, I., WILBERG, E., and MICHAEL, G. The effect of 30 years of inorganic and farm yard manuring on the P-binding-status of a "filder" loam soil. (Ge) Z. Pflanzenernahr. Dungung. Boden. 113(2):159-169. Ref. 1966. 384 Z343A
English summary, p. VII.
- 17184 PAAUW, F. VAN DER. The determination of soil nitrogen using the yield curve. (Ge) Z. Pflanzenernahr. Dungung. Boden. 113(1):19-29. Ref. 1966. 384 Z343A
English summary, p. II of summary section.
- 17185 PENEVA, N., and KOZHUKHAROV, M. Total zinc content and content of exchangeable zinc forms in main soil types of Bulgaria. 1. (Bu) Rastenievudni Nauk. 2(9):39-45. 1965. 64.8 R18
English summary.
- 17186 PETERSEN, G. W., and CHESTERS, G. Quantitative determination of calcite and dolomite in pure carbonates and limestones. J. Soil Sci. 17(2):317-327. Ref. Sept. 1966. 56.8 J823
- 17187 PETERSEN, G. W., CHESTERS, G., and LEE, G. B. Quantitative determination of calcite and dolomite in soils. J. Soil Sci. 17(2):328-338. Ref. Sept. 1966. 56.8 J823
- 17188 PHILLIPS, R. E., and BROWN, D. A. Counter diffusion of Rb86 and Sr89 in compacted soil. J. Soil Sci. 17(2):200-211. Ref. Sept. 1966. 56.8 J823
- 17189 PLATA ASTRAY, G., and GUITIAN OJEA, F. The influence of fire on some soil properties. (Sp) An. Edoafol. Agrobiol. 25(1/2):57-68. Ref. Jan./Feb. 1966. 506 Sp12
English summary.
- 17190 QUINN, J. G., and SALOMON, M. Hydrolysis of soil nitrogen by strong acids. Nature [London] 211(5049):664-665. Ref. Aug. 6, 1966. 472 N21
- 17191 REINTAM, L., and RAUKAS, A. Mineralogical composition of some Estonian soddy-podzolic soils. (Rus) Est. Sel'skokhoz. Akad. Sb. Nauch. Tr. 49:65-79. 1966. 106 Es83
English summary.
- 17192 SALAM, M. A. A., and ZAHRA, R. H. A. Isotopic exchange of Ca 45 in CaCO₃, Ca₃(PO₄)₂, and CaSO₄·2H₂O. Soil Sci. 102(4):255-257. Oct. 1966. 56.8 S03
- 17193 SAWHNEY, B. L. Unusual sorption of caesium by vermiculite. Nature [London] 211(5051):893-894. Aug. 20, 1966. 472 N21
- 17194 SCHACHTSCHABEL, P., and RENGGER, M. Relation between V- and pH-value of soils. (Ge) Z. Pflanzenernahr. Dungung. Boden. 112(3):238-248. 1966. 384 Z343A
English summary, p. XI.
- 17195 SCHNITZER, M., and DESJARDINS, J. G. Oxygen-containing functional groups in organic soils and their relation to the degree of humification as determined by solubility in sodium pyrophosphate solution. Can. J. Soil Sci. 46(3):237-243. Ref. Oct. 1966. 56.8 C162
- 17196 SCHOUWENBURG, J. C. VAN, and WEY, A. D. VAN DER. An unusual effect of iron in the flame-photometric determination of calcium. Anal. Chim. Acta 36(2):243-245. Oct. 1966. 381 A1
- 17197 SEMB, G., and OIEN, A. Investigations on the copper content of Norwegian soil samples. (No) Forsk. Forsk. Landbruket 17(3):209-226, map. Ref. 1965. 11 F772
English summary.
- 17198 SEMB, G. Seasonal variations in the soil content of readily soluble phosphorus, potassium and magnesium. (No) Forsk. Forsk. Landbruket 17(3):165-193. 1966. 11 F772
English summary.
- 17199 SERGEEVA, N. G. Molybdenum content in the soils of tobacco culture regions in the zone of Krasnodar District. (Rus) Agrokimiya 10: 144-148. Ref. Oct. 1965. 385 Ag89
- 17200 SHAH, H. C. Loss of nitrogen from ammoniacal fertilisers applied to soils. Indian J. Agron. 10(3):229-234. Ref. Sept. 1965. 22 In235
- 17201 SOWDEN, F. J. Nature of the amino acid compounds of soil. II. Amino acids and peptides produced by partial hydrolysis. Soil Sci. 102(4):264-271. Ref. Oct. 1966. 56.8 S03
- 17202 STAIKOV, TS., and ARABADZHEVA, Z. Methods of determining water-soluble chlorides and sulfates in Solonchets soils. (Bu) Rastenievudni Nauk. 2(10):113-118. Ref. 1965. 64.8 R18
English summary.

- 17203 SUMNER, M. E., and REEVE, N. G. The effect of iron oxide impurities on the positive and negative adsorption of chloride by kaolinites. *J. Soil Sci.* 17(2):274-279. Ref. Sept. 1966. 56.8 J823
- 17204 SWANSON, R. A., HOVLAND, D., and FINE, L. O. Fluorometric determination of magnesium in soil extracts. *Soil Sci.* 102(4):244-247. Oct. 1966. 56.8 So3
- 17205 SWINDALE, L. D. A mineralogical study of soils derived from basic and ultrabasic rocks in New Zealand. *New Zeal. J. Sci.* 9(2):484-506. Ref. June 1966. 514 N482
- 17206 TAHOUN, S. A., and MORTLAND, M. M. Complexes of montmorillonite with primary, secondary, and tertiary amides. I. Protonation of amides on the surface of montmorillonite. *Soil Sci.* 102(4):248-254. Ref. Oct. 1966. 56.8 So3
- 17207 TAMM, E., and KRZYSCH, G. The intensity of the break-down of organic manures during the winter half-year. (Ge) *Z. Acker- Pflanzbau* 124(2):101-111. Ref. July 1966. 18 J825
English summary.
- 17208 TRIFONOVA, L. F. Content of minor elements (copper, cobalt and manganese) in some soils of Novgorod Region. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 3:71-78. 1965. 442.9 L542V
English summary.
- 17209 TUEV, N. A., SIMAKOV, V. N., and LAVROV, B. B. Study of molybdenum (VI) complex formation with specific humic and fulvic acids by means of infrared spectroscopy. (Rus) *Leningr. Univ. Vestnik. Ser. Biol.* 1:128-137. Ref. 1965. 442.9 L542V
English summary.
- 17210 TURSKI, R., and LIPINSKA, M. Preliminary investigations on humic acids dynamics in cultivated podzolic soil developed of deep loess. (Pol) *Rocz. Nauk Roln.* 91-A-1:113-128. 1966. 20.5 R59
English summary.
- 17211 ULRICH, B. Cation exchange equilibria in soils. (Ge) *Z. Pflanzenernahr. Dungung. Boden.* 113(2):141-159. Ref. 1966. 384 Z343A
English summary, p.VII
- 17212 URQUHART, C. An improved method of demonstrating the distribution of sulphides in peat soils. *Nature [London]* 211(5048):550. July 30, 1966. 472 N21
- 17213 VAIDYANATHAN, L. V., and NYE, P. H. The measurement and mechanism of ion diffusion in soils. II. An exchange resin paper method for measurement of the diffusive flux and diffusion coefficient of nutrient ions in soils. *J. Soil Sci.* 17(2):175-183. Sept. 1966. 56.8 J823
- 17214 VIRALTI, R. Humus content and supply of nutritional substances in soils of cultivated pastures. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:197-204. 1966. 106 Es83
German summary.
Estonia.
- 17215 ZDRAZIL, J., and PICHA, F. The occurrence of the carcinogenic compounds 3,4-benzpyrene and arsenic in the soil. *Neoplasma* 13(1):49-55. 1966. 41.8 N353
- Soil Biology
- 17216 ALEXANDER, M., and LUSTIGMAN, B. K. Effect of chemical structure on microbial degradation of substituted benzenes. *J. Agr. Food Chem.* 14(4):410-413. Ref. July/Aug. 1966. 381 J8223
In soils.
- 17217 BAKALIVANOV, D. Microscopic fungi in some Bulgarian soils and factors affecting their development. (Bu) *Rastenievudni Nauk.* 2(1):23-30. 1965. 64.8 R18
German summary.
- 17218 BAKALIVANOV, D., and BENEVSKI, M. Soil microflora of corn crop as affected by some tillage methods. (Bu) *Rastenievudni Nauk.* 3(3): 61-69. 1966. 64.8 R18
English summary.
- 17219 BILAI, V. I., and others. Hydrocarbon oils as a source of carbon for soil mycelial microscop-ic fungi. (Uk) *Mikrobiol. Zhur.* 27(2):3-10. Ref. 1965. 448.3 K54
M. M. Pidoplichko, V. S. Hutryra, A. S. Bukhalo, H. A. V'yun, P. M. Halych, E. Z. Koval', V. Ya. Masumyan, and O. O. Mil'ko, joint authors.
English summary.
- 17220 CHANDRA, P., and BOLLEN, W. B. Gibrel: effect on decomposition of plant materials. *Science* 153(3744):1663-1664. Sept. 30, 1966. 470 Sc12
- 17221 DEM'YAMENKO, A. P., and others. Actinomycetes-antagonists from the soils of the environs of Kiev. (Uk) *Mikrobiol. Zhur.* 27(3):7-10. 1965. 448.3 K54
K. P. Leont'yeva, L. M. Lysenko, and O. O. Fedorov's'ka, joint authors.
English summary.
- 17222 FLETCHER, W. W. Herbicides and the bio-activity of the soil. *Landbouwkundig Tijdschr.* 78(8):274-281. Aug. 1966. 105.2 Or3
Effects on microorganisms.
- 17223 GAMKRELDZE, I. D. Effect of fertilizers and liming on microbiological processes in the Krasnozem soil of citrus plantations. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 3:91-104. Ref. 1965. 68.19 M28
English summary.
- 17224 GOGUADZE, V. D. Data on the study of soil fungi ecology in west Georgian Krasnozem. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 3:135-140. Ref. 1965. 68.19 M28
English summary.
- 17225 GOOL, A. VAN, and LAUDELOUT, H. For-mate utilization by *Nitrobacter winogradskyi*. *Biochim. Biophys. Acta* 127(2):295-301. Ref. Oct. 31, 1966. 381 B522
- 17226 HATTINGH, M. J., and LOUW, H. A. The antagonistic effects of soil microorganisms, isolated from the root region of clovers, on *Rhizobium trifolii*. *S. Afr. J. Agr. Sci.* 9(1):239-251. Ref. Mar. 1966. 24 Su3
- 17227 HEINZE, H. Research methodology of a biological intensification for increased resistance and quality. (Ge) *Lebendige Erde* 3:105-110. May/June 1966. 18 L49
Soil management.
- 17228 HEYNITZ, K. Brief hints on summer work in the field. (Ge) *Lebendige Erde* 3:102-104. May/June 1966. 18 L49
Biological soil management.
- 17229 HULPOI, N., and others. A method for the estimation of nitrifying potential of soils in the natural state. (Ge) *Z. Pflanzenernahr. Dungung. Boden.* 113(1):39-45. 1966. 384 Z343A
S. Dakesian, G. Eliade, L. Ghinea, and V. Gheorghiadu, joint authors.
English summary, p.III of summary section.
- 17230 HULPOI, N., and others. The relation between aeration and nitrifying potential of soils. (Ge) *Z. Pflanzenernahr. Dungung. Boden.* 113(1): 45-55. Ref. 1966. 384 Z343A
S. Dakesian, G. Eliade, and L. Ghinea, joint authors.
English summary, p.IV of summary section.
- 17231 JENKINSON, D. S. Studies on the decomposition of plant material in soil. II. Partial sterilization of soil and the soil biomass. *J. Soil Sci.* 17(2):280-302. Ref. Sept. 1966. 56.8 J823
- 17232 JENSEN, H. L. Biological decomposition of herbicides in the soil. IV. Dinitro-ortho-cresol. (Da) *Tidsskr. Planteavl* 70(2):149-159. Ref. 1966. 11 T439
English summary.
- 17233 JENSEN, H. L. Transformation of biuret by microorganisms. (Da) *Tidsskr. Planteavl* 70(2):160-170. Ref. 1966. 11 T439
English summary.
- 17234 JOOSTE, W. J. A sucrose medium for the isolation of soil fungi. *S. Afr. J. Agr. Sci.* 9(1): 269-273. Mar. 1966. 24 Su3

- 17235 KINOSHITA, Y., and others. Synthesis of isothiocyanates and their inhibitory effects upon soil nitrification. *Agr. Biol. Chem.* 30(5):447-451. Ref. May 1966. 385 Ag8B
N. Matsuda, S. I. Sakai, Y. Oshima, T. Harada, and T. Nishihara, joint authors.
- 17236 KRUSTANOV, S., SUN, K. Y., and PETROVA, M. Research on humification processes using radioactive organic material. (Bu) *Rastenievudni Nauk.* 2(9):33-37. 1965. 64.8 R18
English summary.
- 17237 KUDZIN, YU., and YAROSHEVCH, I. On using silicate bacteria fertilizers in steppe zone of Ukraine. (Uk) *Mikrobiol. Zhur.* 26(4):90-91. 1964. 448.3 K54
For grain crops.
- 17238 KYRYLENKO, T. S. Fungi of the order *Mucorales* in the rhizosphere of barley and oats in the Polesye districts of the Ukrainian SSR. (Uk) *Mikrobiol. Zhur.* 27(5):16-23. Ref. 1965. 448.3 K54
English summary.
- 17239 KYRYLENKO, T. S. Quantitative and generic composition of fungi of barley and oat rhizospheres in Polesye regions of the Ukrainian SSR. (Uk) *Mikrobiol. Zhur.* 26(4):54-60. Ref. 1964. 448.3 K54
English summary.
- 17240 MAL'TSEVA, N. M. Role of soil microorganisms in the transformation of phosphorus. (Uk) *Mikrobiol. Zhur.* 26(5):73-79. Ref. 1964. 448.3 K54
- 17241 MISHUSTIN, E. N., and KRYLOVA, N. B. Molybdenum requirements of free living nitrogen fixing bacteria. (Rus) *Mikrobiologiya* 34(4):683-688. Ref. July/Aug. 1965. 448.3 M582
English summary.
Chiefly *Azotobacter*.
- 17242 OKAFOR, N. Ecology of micro-organisms on chitin buried in soil. *J. Gen. Microbiol.* 44(3):311-327. Ref. Sept. 1966. 448.3 J823
- 17243 PETRENKO, M. B., GLUSHCHENKO, V. V., and MAKHIN'KO, N. M. On the activity of microbiological processes in Chestnut soils. (Uk) *Mikrobiol. Zhur.* 27(6):16-20. Ref. 1965. 448.3 K54
English summary.
- 17244 POGLAZOVA, M. N., and others. Possibility of benzo(a)pyrene destruction by soil microorganisms. (Rus) *Akad. Nauk SSSR, Dokl.* 169(5):1174-1177. Ref. 1966. 511 P444A
G. E. Fedoseeva, A. J. Khesina, M. N. Meisel', and L. M. Shabad, joint authors.
3,4-benzpyrene.
- 17245 RANKOV, V., and others. The effect of Dinazol 50, used in the control of onion weeds, on the soil microflora. (Bu) *Rastenievudni Nauk.* 2(8):129-134. 1965. 64.8 R18
E. Elenkov, P. Surlekov, and B. Velez, joint authors.
English summary.
Based on DNOC.
- 17246 ROBERGE, M. R., and KNOWLES, R. Microbial populations in a black spruce humus fertilized with urea. *Woodlands Res. Index* 180, 27 p. Ref. June 1966. 99.8 W855A
Fungi and bacteria.
- 17247 RUDOLPH, H. The domestic animals of a flowerpot gardener. (Ge) *Lebendige Erde* 2:76-77. Mar./Apr. 1966. 18 L49
Earthworms.
- 17248 RYDALEVSKAYA, M. D., and TERESHENKOVA, I. A. Composition and distribution of nitrogen compounds of organic matter in profiles of forest podzolic soils. (Rus) *Leningr. Univ. Vestnik, Ser. Biol.* 1:105-114. Ref. 1965. 442.9 L542V
English summary.
- 17249 SCHALIN, I. Some factors affecting the quantitative determination of aerobic bacteria in forest humus. *Acta Forest. Fenn.* 78(1), 62 p. Ref. 1966. 99.9 F492
- 17250 SINGH, S., and KUMAR, A. Field survey of mycorrhiza in eucalypts and pines. *Indian Forest.* 92(8):517-520. Aug. 1966. 99.8 In2
- 17251 SKRYPKA, L. I., and LYSENKO, Z. A. Antagonistic Actinomycetes of peaty soils of Kiev Region. (Uk) *Mikrobiol. Zhur.* 27(6):20-26. 1965. 448.3 K54
English summary.
- 17252 SMALI, V. T. Accumulation of vitamins (nicotinic and pantoic acids) in winter wheat rhizosphere. (Uk) *Mikrobiol. Zhur.* 26(6):9-13. 1964. 448.3 K54
English summary.
- 17253 SMALI, V. T. Preparing and applying biomineral fertilizers in Czechoslovakia. (Uk) *Mikrobiol. Zhur.* 26(4):88-90. 1964. 448.3 K54
Chiefly bacterial fertilizers.
- 17254 STRIDJOM, B. W. Counting *Beijerinckia* spp. by a modification of the dilution tube method. *S. Afr. J. Agr. Sci.* 9(1):265-266. Mar. 1966. 24 Su3
- 17255 TRUSZKOWSKA, W., PUDELKO, S., and MOREAU, C. Isolation of *Preussia fleischhackeri* (Auerw.) Cain from soil in Poland. (Fr) *Rev. Mycol.* 31(1):45-47. Ref. July 1966. 450 An74
- 17256 VLADYMYROVA, O. V. Amylolytic activity of soil Actinomycetes. (Uk) *Mikrobiol. Zhur.* 27(6):8-11. Ref. 1965. 448.3 K54
English summary.
- 17257 VLADYMYROVA, O. V. Effect of the medium composition and pH on the amylolytic activity of soil Actinomycetes. (Uk) *Mikrobiol. Zhur.* 27(6):12-16. 1965. 448.3 K54
English summary.
- 17258 WILHELM, F. The importance of soil organisms. (Ge) *Lebendige Erde* 2:45-51. Mar./Apr. 1966. 18 L49
- 17259 ZAKHAROVA, V. I., and DANTSEVYCH, YU. D. Effect of fertilizers on microorganisms in common Chernozem soils in Donbas Region. (Uk) *Visnyk Sil'skohospodar. Nauk.* 5:46-51. May 1965. 20 V82
Russian summary.
- 17260 ZHDANOVA, N. M. Growth of certain soil Hyphomycetes from the Dematiaceae group at different temperatures. (Uk) *Mikrobiol. Zhur.* 26(5):11-18. 1964. 448.3 K54
English summary.
- 17261 ZHDANOVA, N. N. Relation of some soil Hyphomycetes of the Dematiaceae group to various levels of the relative humidity of the air. (Uk) *Mikrobiol. Zhur.* 26(4):49-54. 1964. 448.3 K54
English summary.

Soil-Plant-Animal Relationships

- 17262 KOVAL'SKII, V. V., ANANICHEV, A. V., and SHAKHOVA, I. K. Boron biogeochemical province of north-western Kazakhstan. (Rus) *Agrokimiya* 11:153-169. Ref. Nov. 1965. 385 Ag89
Role of boron in soils, plants and sheep physiology.
- 17263 KOVAL'SKII, V. V., and VOROTNITSKAYA, I. E. Regularities in the biogenic migration of uranium. (Rus) *Ukr. Blokhn. Zhur.* 39(4):419-424. Ref. 1966. 385 Uk72
English summary.
Through the system, soil-plant-animals.
- 17264 TIMBURY, M. C., FORSYTH, W. C., and STEVENSON, J. S. Garden fertilisers as a source of Salmonellae. *Lancet* 2(7470):955-956. Oct. 26, 1966. 448.8 L22
Materials containing infected livestock products.

Soil Genesis, Formation, Classification, and Mapping

- 17265 BURINGH, P. From heath land to hair podzol land—confusion of terms in Netherlands soil science. (Du) *Landbouwkundig Tijdschr.* 78(1):14-17. Ref. Jan. 1966. 105.2 Or3
- 17266 CAMPBELL, I. B., and CLARIDGE, G. G. C. A sequence of soils from a penguin rookery, Inexpressible Island, Antarctica. *New Zeal. J. Sci.* 9(2):361-372. June 1966. 514 N482
- 17267 COEN, G. M., and PAWLUK, S. The origin of sands in sandy soils of the Stony Plain area. *Can. J. Soil Sci.* 46(3):245-254. Ref. Oct. 1966. 56.8 C162
In connection with classification.

- 17268 DUMANSKI, J., and ARNAUD, R. J. A micro-pedological study of eluvial soil horizons. *Can. J. Soil Sci.* 46(3):287-292. Ref. Oct. 1966. 56.8 C162
- 17269 FLOATE, M. J. S. A chemical, physical, and mineralogical study of soils developed on glacial lacustrine clays in north central British Columbia. *Can. J. Soil Sci.* 46(3):227-236, map. Ref. Oct. 1966. 56.8 C162
- 17270 GANSEN, R. General rules for the division of soils. (Ge) *Forsch. Fortschr.* 40(6):168-171. June 1966. 474 F772
Into types.
- 17271 GANSEN, R. Grundsätze der Bodenbildung; ein Beitrag zur theoretischen Bodenkunde [Principles of soil formation; a contribution to theoretical soil science]. Mannheim, Bibliographisches Institut, 1965. 135 p. Ref. (B.I.-Hochschultaschenbucher, No. 32) S591.G3
- 17272 GIMBARZEVSKY, P. Land inventory interpretation: interpretation of soils data from aerial photographs constitutes a rapid and economical way for determining the productivity of a large land complex. *Photogram. Eng.* 32(6):967-976. Ref. Nov. 1966. 325.28 P56
Geomorphology in Canada.
- 17273 GRIGOR'EV, G. I., GORINA, A. I., and KONVALOVA, A. S. Classification of soddy-calcareous soils used in agriculture. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:132-146. 1966. 106 Es83
English summary.
Estonia and Latvia.
- 17274 HEINZE, H. Harmonious soil formation in a balance between leaching and over-salting. (Ge) *Lebendige Erde* 2:60-61. Mar./Apr. 1966. 18 L49
- 17275 HOLOWAYCHUK, N., and others. Soils of Ogortuk Creek watershed. In Wilimovsky, N. J., and Wolfe, J. N., ed. Environment of the Cape Thompson Region, Alaska, p.221-273, map. Ref. 1966. QH105.A4W5
J. H. Petro, H. R. Finney, R. S. Farnham, and P. L. Gersper, joint authors.
Includes classification and mapping.
- 17276 KANGAS, M. E., and JOHNSON, R. W. Michigan town saves money from many uses of soils information. *Soil Conserv.* 32(4):87-88. Nov. 1966. 1.6 S638
- 17277 KARMANOV, I. I. Pochvy predgor'ii Severo-Zapadnogo Altaya i ikh ispol'zovanie v sel'skom khozyaistve [Soils in the piedmont of the north-west Altai and their use in agriculture]. Moskva, Nauka, 1965. 158 p., map. Ref. S599.U42A4
- 17278 LILLEMA, A., and REINTAM, L. Main soil types of the Estonian S.S.R. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:3-24. Ref. 1966. 106 Es83
English summary.
- 17279 MAN'KO, M. A. Lake level in Transural region as an indicator of soil salinity. (Rus) *Vses. Geogr. Obsch. Izv.* 98(3):255-259. Ref. May/June 1966. 511 J546
- 17280 MATTHEWS, E. D. Soil survey of Somerset County, Maryland, Washington, U.S.D.A., Soil Conservation Service, 1966. 90 p., map. Ref. aS591.A3M3
Maryland Agricultural Experiment Station, cooperating.
- 17281 OBIHARA, C. H., BAWDEN, M. G., and JUNGERIUS, P. D. Soil survey memoir No. 1. The Anambra-Do Rivers Area. Nigeria (East). *Min. Agr. Tech. Bull.* 3(1), 63 p., map. Ref. 1964. 24 N566T
- 17282 OLSZEWSKI, Z., and others. Alluvial soils of the Wilanow Region. (Pol) *Rocz. Nauk Roln.* 91:A-1:57-95. Ref. p.91-93. 1966. 20.5 R59
T. Bobrowski, D. Rusiecka, and P. Sklodowski, joint authors.
English summary.
Profiles and fertility.
- 17283 RIEGER, S. Dark well-drained soils of tundra regions in western Alaska. *J. Soil Sci.* 17(2):264-273. Ref. Sept. 1966. 56.8 J823
- 17284 ROMANS, J. C. C., STEVENS, J. H., and ROBERTSON, L. Alpine soils of North-East Scotland. *J. Soil Sci.* 17(2):184-199, map. Ref. Sept. 1966. 56.8 J823
- 17285 ROOMA, I., VAILER, V., and KOKK, R. Agromonomical soil grouping and soil types used in large-scale investigations of the land resources in the Estonian S.S.R. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:25-40. 1966. 106 Es83
English summary.
- 17286 RUNEBERG, G. Soil mapping. (Sw) *Sveriges Betodares Centralforen. Tidskr.* 28(3):2-6. 1965. 66.9 Sv22
- 17287 SAINZ-AMOR, E., and FONT-ALTABA, M. The study of sands of the Catalan coast. II. (Sp) *An. Edafol. Agrobiol.* 25(3/4):131-150. Mar./Apr. 1966. 506 Sp12
English summary.
- 17288 SCHLICHTING, E. Landscape and soils of Southwest Germany. (Ge) *Landwirt. Forsch. Sonderheft* 20:60-64. 1966. 18 L2333A
Profiles.
- 17289 SHPIN'OV, I. F. Morphological and agrochemical properties of soils in the northeast foothills of the Carpathians. (Ukr) *Visnyk Sil'skokhos-podar. Nauk.* 7:47-54. July 1965. 20 V82
Russian summary.
- 17290 SPANNAGEL, G. The influence of soil type on plant growth. (Ge) *Landwirt. Forsch. Sonderheft* 20:68-71. 1966. 18 L2333A
- 17291 STIVEN, G. A., and KHAN, M. A. Saturation percentage as a measure of soil texture in the Lower Indus Basin. *J. Soil Sci.* 17(2):255-263. Sept. 1966. 56.8 J823
- 17292 TRIFONOVA, L. F., and others. Characteristics of some soil-forming rocks of Valda Hills in the area of Ilmen lowland. (Rus) *Lenigr. Univ. Vestnik. Ser. Biol.* 1:115-125. Ref. 1965. 442.9 L542V
V. A. Boichuk, P. G. Verbitskii, and A. I. Pantukhin, joint authors.
- 17293 VAITJEKUNAS, I. Results of soil survey in Lithuanian SSR (1940-1965). (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:156-164, map. 1966. 106 Es83
German summary.
- 17294 YAAOLON, D. H., and YARON, B. Framework for man-made soil changes—an outline of metapedogenesis. *Soil Sci* 102(4):272-277. Ref. Oct. 1966. 56.8 So3
- 17295 ZONN, S. Brown Forest and brown pseudopedzolic soils in the north-west region of the U.S.S.R. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:112-131. Ref. 1966. 106 Es83
English summary.
Genetic characteristics of soils in Lithuania, Latvia and Belorussia.

SOIL MANAGEMENT

- 17296 CHERY, D. L. Design and tests of a physical watershed model. *J. Hydrol.* 4(3):224-235. Oct. 1966. 292.8 J82
- 17297 ESSER, M. Over experiences in the Rhine coal district. (G) *Mitt. Deut. Landwirt.-Ges.* 81(25):1048,1050. June 23, 1966. 18 N39
Reclamation of mined lands.
- 17298 GILLES, G. L. The problem of soil fatigue in strawberry culture. (Fr) *Rev. Agr. [Brussels]* 19(7/8):789-799. Ref. July/Aug. 1966. 13 R322
Includes changes in soil biology as a cause.
- 17299 GRIPP, R. H., and RYUGO, K. DDT soil residues in mature pear orchards; a Lake County survey. *Calif. Agr.* 20(6):10-11. June 1966. 100 C12Cag
Accumulated over past 20 years.
- 17300 HEINZE, H. Soil management and yields on Dutch holdings. (Ge) *Lebendige Erde* 2:61-62. Mar./Apr. 1966. 18 L49
- 17301 LIN, E. Y. L. Wusheh reservoir watershed management, Taiwan, China. *UN. Econ. Comm. Asia Far East. Water Resources Ser.* 28:380-386, map. 1965. 290.9 UN35F
- 17302 PLLAL, K. M. Management of laterite soils of Kerala. *Indian J. Agron.* 10(1):48-49. Mar. 1965. 22 In235

- 17303 MOSS, L. I. The Kern River watershed: three propositions. *Sierra Club Bull.* 50(6):14-16. June 1965. 500 Sa53
Management, legislation and costs; in California.
- 17304 MUEHLBEIER, J., and others. Salt-Wahoo Watershed. *Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home* 13(2):21-23, map. Summer 1966. 100 N27N
O. Thiemann, H. W. Otoson, and L. K. Fischer, joint authors.
- 17305 OTTO, G. Soil fatigue as a specific diminishment of soil fertility. II. (Ge) *Obstbau [Berlin]* 6(2):19-20. Feb. 1966. 80 Ob79
- 17306 RAHEJA, P. C. Management of soils in relation to clay minerals. *Indian J. Agron.* 10(1):92-99. Ref. Mar. 1965. 22 In235
- 17307 RAO, P. N. A., and UDUPA, K. M. Some aspects of soil management to increase crop production on the west coast. *Indian J. Agron.* 10(1):23-28. Mar. 1965. 22 In235
Paddy crop.
- 17308 SAHU, B. N. Management of laterite soils of Orissa for increased crop production; a review. *Indian J. Agron.* 10(1):29-42. Ref. Mar. 1965. 22 In235
- 17309 SYMPOSIUM ON MANAGEMENT OF ALLUVIAL, BLACK, RED AND LATERITE SOILS OF INDIA. [Papers]. *Indian J. Agron.* 10(1):1-107, map. Ref. Mar. 1965. 22 In235
- 17310 U. S. AGRICULTURAL RESEARCH SERV. SOIL AND WATER CONSERVATION RESEARCH DIV. Watershed research in the Southern Great Plains. Washington, 1966. 12 p., map. aHD1695.W36A5
Oklahoma State University, and University of Oklahoma Research Institute, cooperating.
- 17311 U. S. DEPT. OF AGRICULTURE. Watershed research in Sleepers River Basin, Danville, Vermont. Washington, 1965? 8 p.-folder, map. aHD1695.S55A5
- 17312 U. S. SOIL CONSERVATION SERV. Status of watershed protection (P.L. 566) program; projects approved for installation of works of improvement. Washington, 1966. 34 p. aTC423.U5A5
- 17313 WEINGARTNER, H. Experiences and hints on fruit culture. (Ge) *Lebendige Erde* 2:62-65. (Cont.) Mar./Apr. 1966. 18 L49
Soil management.
- Soil Fertility
- 17314 ABBASOV, A. K., VERDIEVA, A. Z., and MALOV, N. I. Effects of potassium sulfate on yields. (Rus) *Khlopkovodstvo* 9:18-20. Sept. 1966. 72.8 K522
Cotton.
- 17315 ALDRICH, S. R. The pros & cons of fall fertilization. *Agr. Chem.* 21(9):90.92. Sept. 1966. 381 Ag8
- 17316 ANDERSON, C. A. Phosphorus and calcium in poorly-drained soils. *Citrus Indus.* 47(9):5-6, 12. Sept. 1966. 80 C49
Includes fertilizer use in Florida.
- 17317 ANTHONY, J. L. Residual value of phosphates for soybean production on a black land soil in the hill section of Mississippi. *Miss. Agr. Exp. Sta. Inform. Sheet* 923, 2 p. Mar. 1966. 100 M69in
- 17318 ARTYUKHOV, YI. K., and RYABUSHKO, H. V. Fertilization of winter wheat grown after corn crops used for forage. (Uk) *Visnyk Sil's'ko-hospodar. Nauk.* 8:42-45. Aug. 1965. 20 V82
Russian summary.
- 17319 ATANASIU, N., WESTPHAL, A., and BANERJEE, A. K. N-balance estimations with ¹⁵N in N-fertilizer procedures. (Ge) *Landwirt.* Forsch. Sonderheft 20:85-91. 1966. 18 L2333A
- 17320 BALASHEV, L. I. The predecessors of D. N. Pryanishnikov. (Rus) *Agrokimiya* 11:83-88. Ref. Nov. 1965. 385 Ag89
Soil fertility and fertilizing.
- 17321 BAT'KAEV, ZH. YA. Dates for the application of the superphosphates in the Golodnaya Step. (Rus) *Khlopkovodstvo* 9:17-18. Sept. 1966. 72.8 K522
Cotton.
- 17322 BENEVSKI, M. On hyperphosphate fertilization of natural meadows. (Bu) *Rastenievudai Nauk.* 2(9):23-31. Ref. 1965. 64.8 R18
English summary.
- 17323 BILENKO, P. YA., and LOGVINENKO, O. A. Soil fertility in the northwestern part of the Altai Mountains. (Rus) *Agrokimiya* 9:56-64. Ref. Sept. 1965. 385 Ag89
- 17324 BIRE-HABAS. Velvet-bean (*Stizolobium deeringianum*) as an improving crop in fallows. *Sols Afr.* 10(2/3):395-398. May/Dec. 1965. 56.8 So4
Text also in French, p.391-394. Senegal.
- 17325 BJERKESTRAND, E. Fertilizing and liming of shrubs in peat. (No) *Gartneryrket* 56(42):950. Oct. 14, 1966. 80 G1938
- 17326 BLENCHE, B. J. R. Seaweed and its use in Jersey agriculture. *Agr. Hist. Rev.* 14(2):122-128. 1966. 30.98 Ag82
As fertilizer.
- 17327 BORRIES, R. VON. Is the optimum of mineral fertilizing reached? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(37):1369-1370. Sept. 15, 1966. 18 N39
- 17328 BOSCH, H. Trials with potting soil for *Clematis* and *Cytisus*. (Du) *Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb.* 1965:72-76. 1966. 86 B65
- 17329 BROCKINGTON, N. R., and others. The effects of leys on soil fertility in the annual cropping areas of Uganda. *Sols Afr.* 10(2/3):473-481. May/Dec. 1965. 56.8 So4
T. H. Stobbs, P. W. Newhouse, and G. A. Wadsworth, joint authors.
Text also in French, p.483-492.
- 17330 BROWN, P. Maize growing in Nyasaland (Malawi). II. Fertilizer requirements. *Exp. Agr.* 2(1):49-60. Jan. 1966. 10 Ex72
- 17331 BUCZAK, E. Mineral and organic fertilizing in the crop rotation of vegetables. I-II. (Pol) *Rocz. Nauk Roln.* 91-A-2:255-298. Ref. 1966. 20.5 R59
English summary.
- 17332 BURSCHEL, P. Investigations on fertilizing beech and oak regeneration stocks. II. (Ge) *Allg. Forst- Jagdzeitung* 137(10):221-236. Ref. Oct. 1966. 99.8 AL3
- 17333 CARLSSON, H. A comparison of the varieties Bintje and Grata at different nitrogen rates. (Sw) *Sveriges Potatisodlars Riksförbund.* Potatis 1966:29-32. 75.8 Sv2
Effects on yields and cooking quality.
- 17334 CHANTURIYA, I. A. Index of requirements of subtropical podzolic soils of tea plantations in phosphorus. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kult.* Subtrop. Kult. 3:37-40. 1965. 68.19 M28
English summary.
- 17335 CHARREAU, C., and POULAIN, J. F. Fertilizing of millets and sorghums. (Fr) *Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull.* Agron. 21:7-17. Ref. 1966. 26 F84B
English summary.
Senegal.
- 17336 CHERNETSKII, A. T., and PETRENKO, V. G. Effectiveness of the fertilizers. (Rus) *Sakharn. Svekla* 9:31-32. Sept. 1966. 66.8 Su393
Sugar beets.
- 17337 CORDER, G. D. Get ready for next year's crops. (Com) *Fert. Plant Food Indus.* 113(4):39. Oct. 1966. 57.8 C73
Chiefly fertilizing.
- 17338 DAKEV, T. Study of effectiveness of hyperphosphate in fertilization of nursery seedlings. (Bu) *Gorskostopanska Nauk.* 3(3):189-195. 1966. 99.8 G683
French summary.
- 17339 DANILEVSKII, A. F. Fertilization while planting. (Rus) *Sadovodstvo* 9:16. Sept. 1966. 80 Sa13
Fruit.

- 17340 DANYLEVSKA, M. S. Effect of mineral fertilizers on productivity of flood plain in Zhitomir District. (Uk) Visnyk Sil's'kohospodar. Nauk. 5:66-68. May 1965. 20 V82 Russian summary.
- 17341 DESHPANDE, A. M., and BATHKAL, B. G. Effect of phosphorus on mung (*Phaseolus aureus* Roxb.). Indian J. Agron. 10(3):271-278. Ref. Sept. 1965. 22 In235
- 17342 DEVYATOV, A. S. Evaluation of the soddy-podzolic soils. (Rus) Sadovodstvo 9:13-14. Sept. 1966. 80 Sa13 Fertility of the apple soils.
- 17343 DIONNE, J. L. Variation in the response of ladino clover to liming of five soil types in Quebec. (Fr) Can. J. Soil Sci. 46(3):261-270. Ref. Oct. 1966. 56.8 C162 Effects on yield and composition.
- 17344 DMITRENKO, P. A. Development of D. N. Pryanishnikov's agrochemical investigations in Ukraine. (Rus) Agrokimiya 11:58-71. Nov. 1965. 385 Ag89 Soil fertility and fertilizing.
- 17345 DONALD, C. M., and POWRIE, J. K. Rock phosphate as a fertilizer. S. Australian Dairymen's J. 5(6):31-32. May/June 1966. 44.8 So86
- 17346 DRYSDALE, V. M. The removal of nutrients by the maize crop. East Afr. Agr. Forest. J. 31(2):189-190. Oct. 1965. 24 Ea74 Fertilizers in Kenya.
- 17347 EFENDIEV, T. A., and KHALKOV, G. R. Effect of molybdenum on the yield and nutritive value of broadbeans on Gray soils. (Rus) Agrokimiya 10:149-151. Oct. 1965. 385 Ag89
- 17348 ENIKOV, K., and VELCHEV, V. Effectiveness of the phosphoric component of certain nitrophosphates with various content of water-soluble phosphoric acid. (Bu) Rastenievudni Nauk. 2 (11):25-32. 1965. 64.8 R18 English summary. As fertilizer for wheat.
- 17349 ERMOLAEV, I. Investigations on nitrogen-phosphorus ratio in wheat fertilizing on strongly leached Chernozem soils. (Bu) Rastenievudni Nauk. 2(12):69-74. 1965. 64.8 R18 English summary.
- 17350 ESCHENHAGEN, M. Fertilizing in new ways! (Ge) Mitt. Deut. Landwirt.-Ges. 81(36):1354-1357. Sept. 8, 1966. 18 N39
- 17351 FASSBENDER, H., and ULRICH, B. Phosphate status of the soil and yield efficiency of rock phosphates. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 113(1):1-10. 1966. 384 Z343A English summary, p.1 of summary section.
- 17352 FILLA, M. Planning of row fertilizing of cucumber. (Hu) Kerteszeti Szolcsz. 15(13):16-17. July 1966. 80 K474
- 17353 GALGOCZI, J. Efficiency of fertilization to sunflower crops on sand soils in Szabolcs County. (Hu) Kiserletugyi Közlemenyek 58/A (1):47-69. Ref. 1965, pub. 1966. 105.9 H89 English summary.
- 17354 GAMKRELIDZE, I. D. Organic fertilizing and liming of citrus plantations. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya, Subtrop. Kul't Subtrop. Kul't. 3:59-90. Ref., p. 86-89. 1965. 68.19 M28 English summary.
- 17355 GEISSLER, T., and DREWS, M. The effect of the longterm application of various phosphate fertilizers on the yields of vegetables as well as the content of phosphorus pentoxide in soils. (Ge) Arch. Gartenbau 14(1):55-72. Ref. 1966. 80 Ar2 English summary.
- 17356 GEISSLER, T. The effect of various phosphate fertilizers applied to rootballs of vegetables. (Ge) Arch. Gartenbau 14(1):73-77. 1966. 80 Ar2 English summary. Chiefly effect on yields.
- 17357 GRUEV, TS., and others. Hyperphosphate fertilization of irrigated wheat grown on leached Chernozem soil in Brashlyan-Sandrov irrigation region. (Bu) Rastenievudni Nauk. 3(2):69-78. Ref. 1966. 64.8 R18 Ts. Staikov, R. Grueva, and M. Vitkov, joint authors. English summary.
- 17358 GUSEINOV, R. K., and GODZHAMANOV, A. B. Potassium as a factor in increasing cotton yields. (Rus) Khlopkovodstvo 9:21-22. Sept. 1966. 72.8 K522
- 17359 GUSEV, P. G. Soils of the river valleys in the Crimean steppe. (Rus) Sadovodstvo 9:14-15. Sept. 1966. 80 Sa13 Fertility of the fruit soils.
- 17360 HARASZTI, E. Complex grassland fertilization experiments; amount and composition of yield as affected by trace element fertilizers. (Hu) Novenytermeles 16(3):265-284. Ref. Aug. 1966. 64.8 N76 English summary.
- 17361 HEINZE, H. Intensive use of horn meal preparation. (Ge) Lebendige Erde 3:121-122. May/June 1966. 18 L49
- 17362 HENKENS, C. H., and SMILDE, K. W. Evaluation of glassy frits as micronutrient fertilizer. 1. Copper and molybdenum frits. Neth. J. Agr. Sci. 14(3):165-177. Ref. Aug. 1966. 12 N3892 Copper frits on wheat and oats; and molybdenum frits on sugar beets.
- 17363 HERA, C., and ISFAN, D. The utilization of complex fertilizers on winter wheat. (Rum) Probl. Agr. [Bucharest] 18(9):38-47. Sept. 1966. 21 R862
- 17364 HOLMEN, H. Forest fertilizing is still in the preliminary stages. (Sw) Jord Skog 18(1):20-22. 1966. 58.8 M373
- 17365 HUTYRYA, S. T. Effect of date of fertilizer application on field crop yields grown on leached soils. (Uk) Visnyk Sil's'kohospodar. Nauk. 7:58-62. July 1965. 20 V82 Russian summary.
- 17366 ILKOV, D., and STERIKOV, G. Studies on dates of wheat fertilizing with ammonium nitrate. (Bu) Rastenievudni Nauk. 2(12):115-126. Ref. 1965. 64.8 R18 English summary.
- 17367 JACQUINOT, L. Depth phosphating with a natural phosphate. (Fr) Paris. Inst. Rech. Agron. Trop. Cult. Vivrieres. Bull. Agron. 21:72-80. 1966. 26 F84B English summary. Tricalcium phosphate fertilizing.
- 17368 JAGODA, J., and SKAPSKI, H. The influence of long term fertilization of vegetable crops exclusively with mineral fertilizers or barnyard manure on some physical properties of the soil. (Pol) Roczn. Nauk Roln. 91-A-2:337-360. Ref., p. 357-359. 1966. 20.5 R59 English summary.
- 17369 JARO, Z. Results of nutrient deficiency and fertilizing experiment studies. (Hu) Erdo 15 (8):350-354. Aug. 1966. 99.8 Er22 German summary. Includes foliar diagnosis of trees.
- 17370 JEZEWSKI, Z. Effect of mineral fertilization on the yield of the basket-willow. (Pol) Sylwan 109(3):37-47. Ref. 1965. 99.8 Sy52 English summary.
- 17371 JOHANSSON, O. Current results from potato fertilizer trials. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1966:32-37. 75.8 Sv2 Effects on yields and quality.
- 17372 JOHNSON, A. Planning a topdressing programme. Power Farming Australia New Zeal. Better Farming Dig. 75(7):17, 19, 21. July 1966. 58.8 P87 For pastures.
- 17373 JONES, J. B. Where are we in plant analysis? Com. Fert. Plant Food Indus. 113(4):35, 65, 68. Oct. 1966. 57.8 C73

- 17374 KABISCH, H. Measures for the promotion of spring growth in field and meadow. (Ge) *Lebendige Erde* 3:100-102. May/June 1966. 18 L49
Organic fertilizing.
- 17375 KANIVETS', I. YI. Value of nitrogen fertilizers for high and continuous yields in Polesie. (Ukr) *Visnyk Sil's'kohospodar. Nauk.* 8:26-32. Aug. 1965. 20 Y82
Russian summary.
Field crops.
- 17376 KARPOVA, E. S. Dosage of mineral fertilizers applied under flax on soddy-podzolic soils of low agricultural value. (Rus) *Agrokimiya* 9: 52-55. Sept. 1965. 385 Ag89
- 17377 KARPOVA, E. S. Effect of long term mineral fertilizer application on soil fertility and the yield of cultures in flax rotation. (Rus) *Agrokimiya* 11:124-132. Nov. 1965. 385 Ag89
- 17378 KASK, R., and KOKK, R. Results of experimental land evaluation in Soviet Estonia. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:41-51. 1966. 106 Es83
English summary.
Chiefly soil fertility.
- 17379 KASSIER, W. E., and MALLET, J. B. An economic study of optimum fertilizer applications and plant population in maize. *S. Afr. J. Econ.* 34(3):233-238. Sept. 1966. 280.8 So83
- 17380 KATAKOUZENOS, D. S. Is the fertilization of wheat with phosphorus fertilizers necessary in Greece? (Gre) *Delt. Agrotikes Trapezes* 14:77-9. Nov./Dec. 1965. 21.7 D38
- 17381 KATALYMOV, M. V., D. N. Dvyanishnikov and Scientific Institute of Fertilizers and Insectofungicides [Nauchnyi Institut po Udobreniyam i Insektofungitsidam]. (Rus) *Agrokimiya* 11: 79-82. Nov. 1965. 385 Ag89
- 17382 KAZIBEKOVA, E. G. Tomato nutrient requirements as a basis for fertilizers. (Rus) *Agrokimiya* 10:58-66. Oct. 1965. 385 Ag89
- 17383 KEMENESY, E. Some current problems in increasing soil production capacity. II. (Hu) *Magyar Mezogazdasag* 21(42):11. Oct. 19, 1966. 19 M27
- 17384 KENDRA, H. Soil fertility in Viljandi District. (Rus) *Est. Sel'skokhoz. Akad. Sb. Nauch. Tr.* 49:104-111. 1966. 106 Es83
German summary.
- 17385 KHANIN, M. D., SHCHETININA, L. L., and KONDRATYUK, A. S. Effectiveness of superphosphates enriched with microelements, applied under sugar beet. (Rus) *Agrokimiya* 9: 91-93. Sept. 1965. 385 Ag89
- 17386 KLAVINA, G. Changes in yields and botanical composition of natural meadows under the effect of boron. (Rus) *Latv. PSR Zinat. Akad. Vestis* 12:59-66. Ref. 1965. 511 R442
English summary.
- 17387 KOLTAY, A. Basic fertilizing of wheat. (Hu) *Magyar Mezogazdasag* 21(38):5. Sept. 21, 1966. 19 M27
Chiefly minerals.
- 17388 KOREN'KOV, A. D., FILIMONOV, D. A., and TSYGUTKIN, S. M. Application of ammonia liquor for fertilization of pastures. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 8:23-29. Aug. 1966. 20 V633
English summary.
- 17389 KOROHODA, J., and MILCZAK, M. Presowing seed dressing with water solutions of polybdenum and boron on the yields of spring vetch. (Pol) *Rocz. Nauk Roln.* 91-A-1:155-165. Ref. 1966. 20.5 R59
English summary.
- 17390 KOSTYANEV, S. Tobacco yield and quality as affected by fertilizing with different kinds of nitrogen fertilizers and superphosphate. (Bu) *Rastenievudni Nauk.* 3(1):79-87. 1966. 64.8 R18
English summary.
- 17391 KOVATS, A., ZSOAR, K., and NEMETH, J. Effectiveness of use of chemicals in the comitat of Veszprem. (Hu) *Magyar Mezogazdasag* 21(34):13-14. Aug. 24, 1966. 19 M27
Mineral fertilizers and economic poisons.
- 17392 KRAMER, S., and HERRMANN, H. Studies of green manuring of apples during fruit bearing. (Ge) *Arch. Gartenbau* 14(1):5-16. Ref. 1966. 80 Ar2
English summary.
- 17393 KRAUSS, H. H. Nutrient requirements of trees and their corollary for the application of fertilizers in forest nurseries. (Ge) *Dresden. Tech. Univ. Wiss. Z.* 14(6):1561-1566. 1965. 509 D81
- 17394 KUNDLER, P., ANSORGE, H., and TURNHEIM, G. Problems of mineral fertilizing in perspective. (Ge) *Feldwirtschaft* 7(4):204-208. Apr. 1966. 18 W763
East Germany.
- 17395 KUSZELEWSKI, K., and POPLAWSKI, Z. Fertilization value of non-fermented manure and its effect on yield magnitude. (Pol) *Rocz. Nauk Roln.* 91-A-1:129-143. Ref. 1966. 20.5 R59
English summary.
Tests.
- 17396 LARSEN, E. Selection of soil for planting. (Da) *Erhvervsfrugtavlæren* 33(10):403-405. Oct. 1, 1966. 80 Er3
Apples.
- 17397 LEHMANN, U. Influence of potash and phosphoric acid on the seed yield of red clover. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(21):928-930. May 26, 1966. 18 N39
- 17398 LEONARDI, M. Foliar application of fertilizers for grapes. (Sl) *Soc. Kmetijstvo Godzrastvo* 17(3):61-63. Feb. 24, 1966. 21.5 So14
- 17399 LESKOSEK, M. Results of long-term pasture fertilizing trials in Slovenia. (Ge) *Phosphorsäure* 26(1/2):44-60. 1966. 57.8 P563
Effects on yields, nutritive value and composition.
- 17400 LICHEV, S. Effect of superphosphates on cotton as dependent on time and method of application. (Bu) *Rastenievudni Nauk.* 2(8):73-80. Ref. 1965. 64.8 R18
English summary.
Chiefly in relation to yields.
- 17401 LIU, J. C. Fertilizer application in Communist China. Berkeley, California, 1966. 52 p. (Committee on the Economy of China. Reprint No. 7) S633.L52
- 17402 LJONES, B. Direct effects and residual effects in two fertilizer experiments with small fruits. (No) *Forsk. Forsk. Landbruket* 17(3):227-240. 1966. 11 F772
English summary.
- 17403 LOCHER, F. Results of two-year tests with the foliar application of fertilizers for sugar beets. (Ge) *Zucker* 19(10):253-255. May 15, 1966. 65.8 Z82
Chiefly effects on yields.
- 17404 MAGNITSKII, K. P., and others. *Primenenie udobrenii v nechernozemnoi zone* [Use of fertilizers in the non-Chernozem zone]. Moskva, Moskovskii Rabochii, 1965. 239 p., map. Ref. S639.P7
P. Vekhov, V. Bulaev, and M. Kamynin, joint authors.
Mineral fertilizers for field crops.
- 17405 MALIK, B. S. Response to compost and fertilizers on development and yield of bottle gourd [Lagenaria siceraria]. *Indian J. Agron.* 10(3):266-270. Sept. 1965. 22 In235
- 17406 MAMAROVA, L. Influence of molybdenum and boron on yields of red clover grown on typical Chernozem soils. (Bu) *Rastenievudni Nauk.* 2(12):127-131. Ref. 1965. 64.8 R18
English summary.
- 17407 MANN, H. S. Response of paddy, wheat, sugarcane, potato, groundnut and cotton to fertilizers and other agronomic practices on alluvial, black, red and laterite soils of India. *Indian J. Agron.* 10(1):1-9. Mar. 1965. 22 In235
- 17408 MAY, D. M., and MARTIN, W. E. Manures are good sources of phosphorus. *Calif. Agr.* 20(7): 11-12. July 1966. 100 C12Cg
Poultry and steer manure on alfalfa.
- 17409 MOOLANI, M. K., and JANA, M. K. A note on response of green gram [Phaseolus aureus L.] to fertilizers in laterite soil. *Indian J. Agron.* 10(1):43-44. Ref. Mar. 1965. 22 In235

- 17410 MOSIYUK, P. O. Proper application of fertilizers in the central Polesie in the Ukraine. (Uk) Visnyk Sil's'kohospodar. Nauk. 8:10-13. Aug. 1965. 20 V82
Russian summary.
Field crops.
- 17411 MUKHERJEE, S. K., DE, R., and SAXENA, P. N. Efficiency of utilization of soil- and foliar-applied nitrogen and phosphorus as revealed by tuber production and nutrient uptake of potatoes. Soil Sci. 102(4):278-283. Ref. Oct. 1966. 56.8 So3
- 17412 MURPHY, H. J., and GOVEN, M. J. Effect of three nitrogen sources and biuret on yield and specific gravity of Katahdin potatoes in Maine. Amer. Potato J. 43(8):291-293. Ref. Aug. 1966. 75.8 P842
Ammonium nitrate, ammonium sulfate, and urea containing biuret.
- 17413 NAUDET, H. Forest fertilizers. (Fr) Forêt Privée 47:21, 23-25, 27. Jan./Feb. 1966. 99.8 F7697
- 17414 NYHLEN, A. Fertilizing of fruit trees—but later? (Sw) Fruktodlaren 37(2):45-48. Mar. 1966. 86 Sv2F
Includes residual effectiveness.
- 17415 OMAR, M. A., and EL KOBLA, T. Leaf analysis as a guide to the nutritional status of plants. J. Soil Sci. United Arab Repub. 5(2): 65-73. Ref. 1965. 56.8 J825
Lucerne.
- 17416 ORLOVA, M. I., and RYCHKOVA, T. A. Effectiveness of zinc fertilizers on soddy-podzolic soils of Leningrad Region. (Rus) Leningr. Univ. Vestnik. Ser. Biol. 3:79-91. Ref. 1965. 442.9 L542V
English summary.
Barley.
- 17417 LEONARDI, M. Foliar application of fertilizers for grapes. (Sl) Soc. Kmetijstvo Gozdarstvo 17(2):34. Feb. 9, 1966. 21.5 So14
- 17418 MIKOLCEVIC, V. Application of fertilizers to the cabbage in the Varazdin area. (Se) Agron. Glas. 15(7/8):485-496. 1965. 21.5 Ag84
- 17419 NADEZHDA, A. M. Effectiveness of main mineral fertilizer when applied in spring by a cultivator before sowing. (Rus) Agrokimiya 11: 133-143. Ref. Nov. 1965. 385 Ag89
Sugar beets.
- 17420 OBLAK, M. How to apply fertilizers for strawberries and how much. (Sl) Soc. Kmetijstvo Gozdarstvo 17(10):234-235. Aug. 1966. 21.5 So14
- 17421 OPALIC, R. Hay yields of perennial grasses in tests with the application of fertilizers within the frame of the rotation of crops. (Se) Poljoprivredni Pregl. 15(1/2):1-13. Jan./Feb. 1966. 21.5 P753
- 17422 PAUW, F., VAN DER. Predictions of fertilizer requirement and yield on the basis of weather and soil fertility. (Ge) Landwirt. Forsch. Sonderheft 20:97-105. 1966. 18 L2333A
- 17423 PALAVEEV, T., SHIVAROVA, V., and MIKHAILOVA, N. Lime requirements of a podzolized Chestnut forest soil. (Bu) Rastenievudni Nauk. 2(7):51-60. Ref. 1965. 64.8 R18
English summary.
- 17424 PALLOS, I. Improving sheep pastures. (Hu) Magyar Mezogazdasag 21(39):19. Sept. 28, 1966. 19 M27
With mineral fertilizers.
- 17425 PANNIER, D. Research on sediment sludge of Berlin lakes. 2. Report: Schafer Lake and Hermsdorfer Lake. (Ge) Z. Kulturtech. Flurbereinigung 7(3):164-172. May/June 1966. 8605.A124
English summary.
Includes its use as fertilizer.
- 17426 PATZOLD, C., and DAMBROTH, M. Effects of phosphoric acid fertilizers on yields and potato quality. (Ge) Kartoffelbau 16(1):6-7. Jan. 1965. 75.8 K145
- 17427 PETROV, P. Ammonia liquor as effective fertilizer for tobacco. (Bu) Bulg. Tyutyun 1:8-13. 1965. 69.8 B872
- 17428 PETROVA, L. I. Effectiveness of manure and mineral fertilizers on flax soddy-podzolic soils under crop rotation. (Rus) Agrokimiya 11: 117-123. Nov. 1965. 385 Ag89
- 17429 PRETENDHOFFER, I. Long-range soil improvement experiments on non-calcareous and sodic Solonchaks with sodic subsoil east of the Tisza. (Hu) Kiserletugyi Kozlemenek 58(1/1):99-139. 1965, pub. 1966. 105.9 H89
English summary.
Various materials applied.
- 17430 PROKOSHEV, V. N. D. N. Pryanishnikov and production of grain in the USSR. (Rus) Agrokimiya 11:72-78. 1965. 385 Ag89
Chiefly use of fertilizer.
- 17431 RABOTNOV, T. A. On the meadows of Holland, in relation to the problem of response of meadow vegetation to nitrogen fertilizers. (Rus) Bot. Zhur. [Moscow] 51(3):458-462. Mar. 1966. 451 R923
- 17432 RADOMIROV, P., and others. The problem of grass mixture fertilizing under the conditions of the Sofia area. (Bu) Rastenievudni Nauk. 2(1):95-108. 1965. 64.8 R18
Ya. Yakimova, D. Dzhumaliev, and G. Parushkov, joint authors.
English summary.
Application.
- 17433 RADOMIROV, P., ATANASOV, S., and UZUNOV, M. Results from fertilizing experiments of a natural pasture of the Agrostis-Festuca ovina-Nardus stricta type on Brown Forest soil types in the Sredna Gora area. (Bu) Rastenievudni Nauk. 2(1):109-119. 1965. 64.8 R18
English summary.
- 17434 RADOMIROV, P., ERMOLAEV, I., and KONSTANTINOV, G. Tests with molybdenum fertilizing of field beans. (Bu) Rastenievudni Nauk. 2(12):75-83. Ref. 1965. 64.8 R18
English summary.
- 17435 ROMBALDI, G. P. Top dressing of hill wheat. (It) Avvenire Agr. 73(11):275-277. Nov. 1965. 16 Av9
- 17436 RUBTSOV, V. V., and RUBTSOVA, N. I. Date for application of ammonium nitrate. (Rus) Sadovodstvo 9:17. Sept. 1966. 80 Sa13
Fruit.
- 17437 SAROSI, MRS. D. Leaf analysis works in Hungary to verify the nutrition on grape vine. (Hu) Kiserletugyi Kozlemenek 58(2):23-38. 1965, pub. 1966. 105.9 H89
English summary.
- 17438 SCHEFFER, F. Possibilities of increasing yields of sugar beets with the soil improvement. II. (Ge) Zucker 19(14):363-366. July 15, 1966. 65.8 Z82
English summary.
- 17439 SCHMALSCHEIDT, W. Results of the study on effects of increased dosage of nitrogen applied to Coniferae for the period of several years. (Ge) Deut. Baumschule 18(4):94-96. Apr. 1, 1966. 80 D486
Chamaecyparis lawsoniana, Picea omorika and Thuja occidentalis.
- 17440 SCHMITT, L., and BRAUER, A. Role of fertilizing in the improvement of meadows in Upper Vogelsberg. (Ge) Phosphorsäure 26(1/2): 30-43. 1966. 57.8 P563
- 17441 SHANNON, S., BECKER, R. F., and BOURNE, M. C. Nitrogen fertilization of table beets. Farm Res. [N. Y. Sta.] 32(1):10-11. Apr./June 1966. 100 N48A
- 17442 SIMON, I. Contributions to the green manuring of rice. Acta Agron. [Budapest] 15(3/4):361-367. 1966. 19 Ac8
- 17443 SIROTIN, E. G. Application of basic mineral fertilizers by furrows. (Rus) Sakhar. Svekla 9:32-33. Sept. 1966. 66.8 Su393
Sugar beets.
- 17444 SNERA, A. Soil nitrogen economy and dynamics. (Ge) Lebendige Erde 3:93-100. (Concl.) May/June 1966. 18 L49
- 17445 SOLOVYEV, I. S., and others. Effectiveness in application of ammonia liquor. (Rus) Sadovodstvo 9:18-19. Sept. 1966. 80 Sa13
D. S. Pchelkin, G. D. Sapronenko, A. I. Solov'yeva, and M. I. Esipov, joint authors.
Used as fertilizers on apples.

- 17446 SPRATT, E. D. Fertility of a chernozemic clay soil after 50 years of cropping with and without forage crops in the rotation. *Can. J. Soil Sci.* 46(3):207-212. Ref. Oct. 1966. 56.8 C162
- 17447 STORTZER, M. The effect of various cultural practices on fruit soils on the availability of potassium and phosphoric acids in soils. (Ge) *Arch. Gartenbau* 14(2/3):105-119. Ref. 1966. 80 Ar2
English summary.
Includes mulching and green manuring of apples.
- 17448 STÖY, O. Experience in fertilization of starch type potatoes in Schleswig-Holstein. (Ge) *Starke Kartoffel* 10(1):1-2. In *Kartoffelbau* 16 (1). Jan. 1965. 75.8 K145
- 17449 STURM, F. Fertilizers—the most important weapon in the fight against hunger. (Ge) *Presse-Umschau* 17(9/10):1.4. 1966. 19 L237
FAO program.
- 17450 SVECHNIKOV, I. V., and SAMSONOVA, V. N. Value of nitrogen fertilizers in increasing yields of cultivated pastures on reclaimed bogs. (Rus) *Ural'skii N.-I. In-t. S. Kh. Tr.* 5: 181-199. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:42. Aug. 1965. Film S-202
- 17451 SWEET, H. A. Why many farmers choose to—apply fertilizer in the fall. *Agrway Coop.* 2(10): 25. Oct. 1966. 280.28 Ag9
- 17452 TALAKVADZE, K. B. The experimental foliar application of urea to citrus crops. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't.* 3:105-108. 1965. 68.19 M28
English summary.
Mandarin oranges.
- 17453 TEACI, D. Planning plant production in relation to the fertility of soils. (Rum) *Probl. Agr. [Bucharest]* 18(6):42-51, map. June 1966. 21 R862
- 17454 TIRRELL, R. Making a little manure go a long way in your garden. *Org. Gard. Farming* 13 (12):28-29. Dec. 1966. 57.8 Or32
Vegetable fertilizing.
- 17455 TIWARI, B. P., and EISEN, C. R. Fertilizer responses of niger, (*Guizotia abyssinica*) in Madhya Pradesh. *Indian J. Agron.* 10(1):55-60. Mar. 1965. 22 In235
Nitrogen and phosphorus.
- 17456 TOPTYGIN, YU. V., and TOLSTOUISOV, V. P. Tasks of the governmental agrochemical services. (Rus) *Khim. Sel'skom Khoz.* 4(4):56-59. Apr. 1966. 385 K524
Soil analysis and fertilizer advisory services.
- 17457 TOTH, J. Data to fertilization of the north Nyirseg sandsoils combined with amelioration. I. (Hu) *Kiserletugyi Kozlemenyek* 58(A (1):19-25. Ref. 1965, pub. 1966. 105.9 H89
English summary.
Potatoes.
- 17458 TREPACHEV, E. P., and ATRASHKOVA, N. A. Effect of magnesium and calcium on lupine. (Rus) *Agrokhimiya* 9:65-71. Ref. Sept. 1965. 385 Ag89
- 17459 TURCHIN, F. V. D. N. Pryanishnikov and the problem of nitrogen in agronomy. (Rus) *Agrokhimiya* 11:42-48. 1965. 385 Ag89
Chiefly as fertilizer.
- 17460 VALLER, V. Requirement of cultivated soils of Estonian SSR for phosphorus and potassium fertilizers and liming. (Rus) *Est. Sel'khokhoz. Akad. Sb. Nauch. Tr.* 49:52-64, map. 1966. 106 Es83
German summary.
- 17461 VELICHEV, V., and BALEVSKA, P. On nitrogen/phosphorus ratios in fertilization of winter wheat variety Bezostaya 1 on slightly leached Chernozem soils in Dobrudzha Region. (Bu) *Rastenievudni Nauk.* 2(10):91-101. Ref. 1965. 64.8 R18
English summary.
- 17462 VERMA, J. K., and BAJPAL, M. R. Response of stock carrots to levels of nitrogen and phosphorus. *Indian J. Agron.* 10(1):51-54. Mar. 1965. 22 In235
- 17463 VIGERUST, E. Some fertilizer effects on soil and plants in frame experiments. (No) *Forsk. Forsok Landbruket* 17(3):195-207. 1966. 11 F772
English summary.
Field crops.
- 17464 VOL'KOVICH, S. I. Chemistry in the works of D. N. Pryanishnikov. (Rus) *Agrokhimiya* 11: 17-26. 1965. 385 Ag89
Fertilizer application.
- 17465 WEISSENBORN, K. Data on the study of soils from 1957 to 1965. (Ge) *Obstbauversuchring Alten Landes. Mitt.* 21(5):165-174, map. May 1966. 85 J76
As a basis for fruit fertilizers; includes soil fertility and minerals in soils.
- 17466 WHITTAKER, F. D., and HEINEMANN, H. G. Fertilizing corn during dry years. *Mo. Agr. Expt. Sta. Bull.* 853, 11 p. May 3, 1966. 100 M693
U. S. Department of Agriculture, cooperating.
- 17467 WHITTAKER, C. W., ANDERSON, M. S., and REITEMEIER, R. F. Liming soils, an aid to better farming. U. S. D. A. Farmers' Bull. 2124, slightly rev., 32 p., map. July 1966. 1 Ag84F
- 17468 YANOVA, H. M. Effectiveness of compost application on deep Chernozem soils in the western part of forest-steppe zone. (Uk) *Visnyk Sil'skohospodar. Nauk.* 5:40-46. May 1965. 20 V82
Russian summary.
Field crops.
- 17469 ZURBICKI, Z. The investigations upon the methods of vegetable crops fertilization. (Pol) *Rocz. Nauk Roln.* 91-A-2:525-545. 1966. 20.5 R59
English summary.

Soil Tilth and Tillage

- 17470 BORISENKO, P. T., and VASILENKO, E. D. Preparing soils in fall for cultivation of hemp. (Rus) *Len Konoptya* 9:20-21. 1966. 73.8 L542
- 17471 CANNON, M. D. The effects of synthetic strip mulches on soil temperatures and yield of cotton. *Nat. Agr. Plast. Conf. Proc.* 6th Conf.: 45-54. 1965. 309.9 N216
- 17472 DECHEV, I. On depth of plowing for sunflower growing on leached Chernozem-Smolnitsa soil under conditions of southeastern Bulgaria. (Bu) *Rastenievudni Nauk.* 3(5):89-96. Ref. 1966. 64.8 R18
English summary.
- 17473 GRIFFIN, O. R. Mulch and the family garden. *Org. Gard. Farming* 13(11):24-27. Nov. 1966. 57.8 Or32
- 17474 HOLLER, D. A., and VANARS DALL, R. N. Reduced tillage—comparison. *Agr. Situation [Washington]* 50(8):7. Aug. 1966. 1 Ec7Ag
Corn Belt.
- 17475 IVANOV, A., and TODOROV, F. The problem of the basic plowing of leached Chernozem-Smolnitsa in the Sofia area. (Bu) *Rastenievudni Nauk.* 2(1):139-151. Ref. 1965. 64.8 R18
English summary.
- 17476 KORIC, S., and KORIC, M. Deep or shallow plowing for wheat. (Sl) *Soc. Kmetijstvo Gozdarstvo* 16(13):307-309. Sept. 22, 1965. 21.5 S014
- 17477 KOVACHEV, V. On pre-seeding preparation of heavily leached Chernozem soil after early and medium early predecessors of winter wheat under the conditions of north-eastern Bulgaria. (Bu) *Rastenievudni Nauk.* 2(9):67-78. Ref. 1965. 64.8 R18
English summary.
- 17478 KOVACHEV, V. On seedbed preparation for winter wheat after late row crops. (Bu) *Rastenievudni Nauk.* 2(10):137-149. Ref. 1965. 64.8 R18
English summary.
- 17479 LAAR, H. J. VAN DE. Mulching of seed beds with ENCAP. (Du) *Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb.* 1965:96-99. 1966. 86 B65

- 17480 LIPPERT, L. F., and TAKATORI, F. H. Soil temperature, soil moisture and vegetable crop response under bands of petroleum and polyethylene mulches. Nat. Agr. Plast. Conf. Proc., 6th Conf.:71-79. 1965. 309.9 N216
- 17481 LUPINOVICH, I. S., and GAVRILOVA, A. N. Effect of cultivation of soddy-podzolic soils on plant yields and the content of minerals in them. (Rus) Agrokimiya 12:69-77, Dec.1965. 385 Ag89
Field crops.
- 17482 MAKLED, F. M. A. Reclamation of the sandy soils of Tahreer Province using deep sheet layers. Acta Agron. [Budapest] 15(3/4):395-402. 1966. 19 Ac8
- 17483 MOOLANI, M. K., and HUKKERI, S. B. A note on the effect of various depths of ploughing with and without weeding at different fertility levels on maize yield under rainfed conditions. Indian J. Agron. 10(1):45-47. Ref. Mar.1965. 22 In235
- 17484 PESTEANU, V. The sugar beet, linseed and coriander stands and yields as influenced by the levelling of deep winter tillage. (Rum) Probl. Agr. [Bucharest] 18(9):14-19. Sept. 1966. 21 R862
English summary.
- 17485 PETERSEN, H. J. Winter plowing. (Da) Landbonyt 20(5):346-352. Oct.1966. 11 L2322
- 17486 PUSZTAI, A. The effect of shallow and deep tillage on soil moisture content on Chernozem soil. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Közleményei 25(3/4):295-273. Ref. 1966. 19 B855
German summary.
- 17487 RID, H. Research on the deepening of the plowing furrow. (Ge) Z. Acker- Pflanzenbau 124(3):193-211. Ref. Aug.1966. 18 J825
English summary.
- 17488 SALLAK, A. Experiences with subsolling on slopes in the comitat of Borsod-Heves. (Hu) Agrokem. Talajtan 15(2):384-388. June 1966. 385 Ag83
- 17489 SALLAK, A., and KIRALY, MRS. GY. Evaluation of experimental deep loosening conducted on slopy territories of Borsod County. (Hu) Agrokem. Talajtan 15(2):327-338. June 1966. 385 Ag83
English summary.
- 17490 SCHALES, F. D., and CIALONE, J. C. Musk-melon and tomato response to mulching with black plastic, smoke gray plastic, and paper. Nat. Agr. Plast. Conf. Proc., 6th Conf.:67-70. 1965. 309.9 N216
- 17491 SCHALES, F. D. Using plastic mulches. Org. Gard. Farming 13(11):34-37. Nov.1966. 57.8 Or32
- 17492 SHUBECK, F. E., and HOLMES, F. P. Straw mulch tillage for corn. S. Dak. Farm Home Res. 17(3):8-11. Summer 1966. 100 So82S
- 17493 SIMEONOV, B. Test results from turning stubble down. (Bu) Rastenievudni Nauk. 2(7):109-121. Ref. 1965. 64.3 R18
English summary.
- 17494 SPICKA, A. Preparation of soil for the summer catch crops. (Cz) Za Vysokou Urodu 14(7):253-254. July 1966. 64.8 Z12
- 17495 STEFAN, G., MARINOV, C., and LEBEDENCU, I. Experimental results concerning the behaviour of barley, winter vetch and crops sown in their stubble under the irrigation conditions of southern Baragan. (Rum) Probl. Agr. [Bucharest] 18(9):4-13. Sept.1966. 21 R862
English summary.
- 17496 STRANAK, A., and VANEK, J. Tillage and fertilizers for winter wheat. (Cz) Za Vysokou Urodu 14(8):292-293. Aug.1966. 64.8 Z12
Includes effect of stubble crops on yields.
- 17497 VOTH, V. Present status of polyethylene mulching of California strawberries. Nat. Agr. Plast. Conf. Proc., 6th Conf.:55-56. 1965. 309.9 N216
- Drainage, Irrigation, Water Supply, and Flood Control
- 17498 EL ABEDINE, A. Z., BARR, A. A., and EL AKYABI, A. M. Effect of reclamation system and cultivation on the distribution of salinity and alkalinity in soil profiles in an area in northern part of the Nile Delta. J. Soil Sci. United Arab Repub. 5(2):89-109, map. 1965. 56.8 J825
- 17499 ADAM, H., and BENGHOUI, L. "Sprinkler irrigation system pumping plants." (Fr) Houille Blanche 5(spec.no.):619-624. 1966. 290.8 H81
English summary. p.509-510.
- 17500 ALINOV, M. S. Evaporation of the under-ground waters in Golodnaya Step. (Rus) Khlopkovodstvo 9:37-40. Sept.1966. 72.8 K522
Cotton irrigation.
- 17501 ALJIBURY, F. K. Adjustable nozzles simplify irrigation of large container plants. Calif. Agr. 20(5):13-14. May 1966. 100 C12Cag
- 17502 ALLAVENA, L. On the problem of water availability and desalinization of sea water. (It) Colt. G. Vinicolo Ital. 112(6/7):209-212. June/July 1966. 16 C72
- 17503 ALLEN, F. H. Recent legislation for the management of water resources in England and Wales. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:262-263. 1965. 290.9 Un35F
- 17504 ANAND, D. B. Basin and regional planning, India. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:361-364. 1965. 290.9 Un35F
Water programs.
- 17505 ANDALOI, G. The irrigation situation in Emilia and Romagna. (It) Agricoltura 15(8):41-51. Aug.1966. 16 Ag8226
- 17506 ANDERSON, H. W., and WEST, A. J. Snow accumulation and melt in relation to terrain in wet and dry years. West. Snow Conf. Proc., 33rd Annu. Meeting:73-82. Ref. 1965. 340.9 W52
- 17507 ARRINGTON, L. J., and ALEXANDER, T. G. Water for urban reclamation: the Provo River Project. Utah. Agr. Exp. Sta. Utah Resources Ser. 29.35 p., map. Ref. Mar.1966. 279.9 U11
- 17508 AUSTRALIA, DEPT. OF NATIONAL DEVELOPMENT. Australia: review of water resources development: 1962-1964. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:241-255, map. 1965. 290.9 Un35F
Irrigation included.
- 17509 AVERYANOV, F. S., and SMIRNOV, A. V. Effectiveness of drainage on non-Chernozem zone. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8: 4-10. Aug.1966. 20 V633
- 17510 BAER, R. A. Forming underground waters of the left-bank steppe of the lower Dnieper and using them for agricultural irrigation. (Uk) Visnyk Sil's'kokhospodar. Nauk. 4:80-85. Apr. 1965. 20 V82
Russian summary.
- 17511 BAGNARESI, U. Observations on the extraction of lithoid materials from the beds of Emilia water. (It) Bonifica Integrale 20(7/8):319-322. July/Aug.1966. 55.9 As72
- 17512 BARACCO GANDOLFO, C. The use of surplus waters of Marcapomacocha. (Sp) Vida Agr. [Lima] 42(508/509):617,619-620. 1966. 9.8 V66
Includes irrigation.
- 17513 BAUMANN, H., and PASCHAI, A. Drainage requirements and redox potential. (Ge) Z. Pflanzenernahr. Dungk. Boden. 112(3):189-201. Ref. 1966. 384 Z343A
English summary. p.18.
- 17514 BEAUMONT, R. T. Mt. Hood pressure pillow snow gauge. West. Snow Conf. Proc., 33d Annu. Meeting:29-35. 1965. 340.9 W52
- 17515 BERTLE, F. A. Snow compaction method for the analysis of runoff from rain on snow. West. Snow Conf. Proc., 33d Annu. Meeting:11-18. 1965. 340.9 W52

- 17516 BIALEK, F. Concentrated application of investment pays. (Ge) Deut. Bauernkongr. Uberarb. Protokoll, 9th Congr.:372-375. 1966. 280.29 D482
Chiefly on returns from irrigation.
- 17517 BOCHEV, B. Improved irrigation of new non-lodging wheat varieties. (Bu) Rastenievudni Nauk. 2(8):81-97. Ref. 1965. 64.8 R18
English summary.
- 17518 BOURLA, F. Evaluation of flow rates in irrigation networks. (Fr) Houille Blanche 5 (spec.no.):543-552. 1966. 290.8 H81
English summary, p.508.
- 17519 BOUVEROT, M. Correction of the Nant-Gilbloux torrent. (Fr) Fed. Franc. Econ. Mon. Bull. (n.s.):15:475-477. 1964/65, pub. 1966. 281.9 Ec7
- 17520 BURROWS, G. Water resources and the cotton industry. Water Res. Found. Australia. Rep. 22:41-44. Oct.1965. 292.9 W296R
Irrigation.
- 17521 BUSCH, C. D. Plastic pipe for subirrigation. Nat. Agr. Plast. Conf. Proc., 6th Conf.:124-127. 1965. 309.9 N216
- 17522 BUSCH, C. D., MATLOCK, W. G., and FOGEL, M. M. Utilization of water resources in a coastal groundwater basin. J. Soil Water Conserv. 21(5):163-169, map. Sept./Oct.1966. 56.8 J822
Contents: I. Evaluation of irrigation efficiency; II. Groundwater supply and incipient salt-water intrusion.
Mexico.
- 17523 CALIFORNIA. STATE WATER QUALITY CONTROL BOARD. Dispersion and persistence of synthetic detergents in ground water, San Bernardino and Riverside Counties. Calif. State Water Quality Control. Board. Publ. 30,97 p, map. 1965. 292.9 C126
Touches upon irrigation water.
- 17524 CARBONNIERES, R. Hydraulic characteristics of networks operating according to demand. (Fr) Houille Blanche 5(spec.no.):527-530. 1966. 290.8 H81
English summary, p.507.
Irrigation requirements.
Includes discussion.
- 17525 CARLSTON, C. W. The effect of climate on drainage density and streamflow. Int. Ass. Sci. Hydrol. Bull. 11(3):62-69. Sept. 1966. 292.9 As7
- 17526 CASARINI, B., and SILVESTRI, G. Furrow irrigation experiments on tomatoes for processing. (It) Indus. Conserve 41(3):198-204. July/Sept.1966. 389.8 In23
English summary, p.3 of supplement.
- 17527 CASTANY, G. Contribution to the hydrologic water of a basin including groundwater. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:395-396. 1965. 290.9 Un35F
- 17528 CASTANY, G. Feeding for artificial recharge of aquifers. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:393-394. 1965. 290.9 Un35F
- 17529 CEYLON. IRRIGATION DEPT. Biennial review of water resources development in Ceylon, 1962-64. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:173-177, map. 1965. 290.9 Un35F
- 17530 CHAPPEL, A. C. Test wells aid the irrigator. S. Australia J. Agr. 69(12):452-457. July 1966. 23 S084
- 17531 CHOCHKOV, B., BAIKARTSKI, I., and IVANOV, S. Some results from investigation on artificial subsurface irrigation in Bulgaria. (Bu) Rastenievudni Nauk. 2(10):81-89. 1965. 64.8 R18
English summary.
- 17532 CHRISTENSEN, E. G., and SHANNON, W. G. Precipitation and water supply outlook for Western United States, 1964-65 season. West. Snow Conf. Proc., 33d Annu. Meeting:1-7, map. 1965. 340.9 W52
- 17533 CHUCKA, J. A. Sub-irrigation: will it be farming's major improvement in the 70's? Agway Coop. 2(10):18-19. Oct.1966. 280.28 Ag9
- 17534 CLARK, M. M. Plastics and water conservation. Nat. Agr. Plast. Conf. Proc., 6th Conf.:35-37. 1965. 309.9 N216
For water storage reservoirs and other purposes.
- 17535 CLEMENT, R. Calculation of flow rates in irrigation networks operating according to demand. (Fr) Houille Blanche 5(spec.no.):553-575. 1966. 290.8 H81
English summary, p.508.
Includes discussion.
- 17536 COMBES, G. Pressure surge in sprinkler irrigation systems. (Fr) Houille Blanche 5 (spec.no.):641-646. 1966. 290.8 H81
English summary, p.510.
Includes discussion.
- 17537 COULTER, J. D. Flood and drought in northern New Zealand. New Zeal. Geogr. 22(1):22-34, map. Ref. Apr.1966. 331.8 N48
- 17538 CURRY, G. E., and MANN, A. S. Estimating precipitation on a remote headwater area of western Alberta. West. Snow Conf. Proc., 33d Annu. Meeting:58-66, map. 1965. 340.9 W52
- 17539 DASTANE, N. G., KULKARNI, G. N., and SARAF, C. S. Irrigation management of alluvial, Black, Red and laterite soils. Indian J. Agron. 10(1):10-17, map. Ref. Mar.1965. 22 In235
- 17540 DAVIDOV, D. Computation of available rainfall in field experiments. (Bu) Rastenievudni Nauk. 2(11):21-23. 1965. 64.8 R18
- 17541 DOMINY, F. E. National policies in water resources development United States of America. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:296-300. 1965. 290.9 Un35F
- 17542 DZHURAEV, S. I. Developing irrigation system with electrical pumping in Tadzhikistan. (Rus) Khlopkovodstvo 9:35-37. Sept. 1966. 72.8 K522
Cotton.
- 17543 GABRI, M., and SZIKRA, L. Pattern operation and standard design of sprinkler irrigation systems with high-head pumping stations. (Hu) Vizugyi Közlem. 1:87-118. 1966. 290.9 H89
English summary, p.13-14 of summaries.
- 17544 GLEIZES, C. Introductory address to the meeting on "Sprinkler irrigation system pumping plants." (Fr) Houille Blanche 5(spec.no.):585-592. 1966. 290.8 H81
English summary, p.509.
- 17545 GORINSKII, V. L. Overhead irrigation in USA. (Rus) Khlopkovodstvo 9:45-47. Sept.1966. 72.8 K522
- 17546 GUTTORMSEN, G. Experiments with uniform water level as a watering method for plants in pots. (No) Gartneryket 56(39):888-890. Sept.23,1966. 80 G1938
Tomatoes.
- 17547 GUYON, G. Irrigation hydrants. (Fr) Houille Blanche 5(spec.no.):625-632. 1966. 290.8 H81
English summary, p.510.
- 17548 HAIGH, F. B. Water resources and development central Queensland. Water Res. Found. Australia. Rep. 22:3-13, map. Oct.1965. 292.9 W296R
- 17549 HALBERG, H. N. Water usage in rice irrigation. Rice J. 69(11):27-28. Oct.1966. 59.8 R36
Amount per acre, Arkansas.
- 17550 HALDEN, B. Loads of water. (No) Gartneryket 56(37):858. Sept.9,1966. 80 G1938
Water conservation.
- 17551 HARDING, R. B., MAHLER, R. J., and CURRAN, R. J. Saline irrigation water and citrus production. Calif. Agr. 20(6):4-6. June 1966. 100 C12Cag
Valencia and sour oranges.
- 17552 HARET, C. On the drainage technique for improving the saline soils of the Danube Valley by rice growing. (Rum) Probl. Agr. [Bucharest] 18(9):58-65. Ref. Sept.1966. 21 R862
- 17553 HARILDSTAD, E. Iron deposits in drainage pipes. (No) Ny Jord 53(2):49-52. Feb.1966. 282.28 N98

- 17554 HARRISON, D. S. Irrigation design for leatherleaf and plumosus fern in Florida. *Florists' Rev.* 138(3587):19,53-54. Aug.25, 1966. 80 W41
- 17555 HARROD, E. J. Present and future trends in tobacco irrigation techniques. Rhodesian Tobacco J. 18(9):57,59. Sept.1966. 69.8 R34
- 17556 HATAYA, M. New five-year flood control programme and enactment of the new river law, Japan. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:354-360. 1965. 290.9 Un35F
- 17557 HAUSER, V. L. Hydrology, conservation, and management of runoff water in playas on the southern High Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 8,26 p.,map. Ref. Aug. 1966. A279.9 Ag8
Texas Agricultural Experiment Station, cooperating.
- 17558 HORVATH, MRS. F. On irrigational farming. (Hu) Statist. Szemle 44(8/9):806-820. map. Aug./Sept.1966. 266.5 St2M
English summary.
- 17559 HSU, W. C. Taiwan Sugar Corp's deep wells. *Sugar Azucar* 61(10):37-40. Oct.1966. 65.8 F11
Text also in Spanish, p.60-62,64.
- 17560 HUGHES, B. H. The water resources of central Queensland and the problems of development. Water Res. Found. Australia. Rep. 22: 15-17. Oct.1965. 292.9 W296R
- 17561 HUME, H. L. Biennial review of water resources development in New Zealand for the period 1961-1963. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:256-259. 1965. 290.9 Un35F
- 17562 INDIA, IRRIGATION RESEARCH STATION, POONDI. Groundwater recharge, India. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:370-372. 1965. 290.9 Un35F
- 17563 JANET, P. M. The development of new irrigation ideas. (Fr) Houille Blanche 5(spec.no.): 521-526. 1966. 290.8 H81
English summary, p.507.
Includes discussion.
- 17564 JAPAN. Review of water resources development in Japan, 1962-1964. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:178-185. 1965. 290.9 Un35F
Irrigation, drainage, and flood control included.
- 17565 KAMBHU, M. L. X. Water resources development in Thailand and its policy. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:340-351. 1965. 290.9 Un35F
Irrigation, drainage, and flood control included.
- 17566 KAR, K., and SINGH, S. Irrigational requirements of sugarcane in Uttar Pradesh. *Indian Sugar* [Calcutta] 16(4):349-350. July 1966. 65.8 In26
- 17567 KEIL, E. R. Urban sediment-control program adopted by Maryland county. *Soil Conserv.* 32 (4):81-83. Nov.1966. 1.6 So3S
- 17568 KELLY, L. L. Research on snow hydrology. West. Snow Conf. Proc., 33d Annu. Meeting: 9-10. 1965. 340.9 W52
- 17569 KHAN, E. J. A. Current research on irrigated rice in southern Ghana. *Ghana Farmer* 9(3): 94-99. Aug.1965. 24 C564
- 17570 KINCAID, J. M. Use of collapsible, thin-wall polybutylene tubing as a portable structure for transporting irrigation water. *Nat. Agr. Plast. Conf. Proc.*, 6th Conf.:128-133. 1965. 309.9 N216
- 17571 KNISEL, W. G. Groundwater studies in the Edwards Plateau of Texas. U. S. Agr. Res. Serv. ARS-41-100,12 p.,map. Mar.1965. A56.9 R31
Texas Agricultural Experiment Station, cooperating.
- 17572 KRUSE, E. G. The constant-head-orifice farm turnout. U. S. Agr. Res. Serv. ARS-41-93,24 p. Jan.1965. A56.9 R31
Colorado Agricultural Experiment Station, cooperating.
Used for control and measurement of irrigation water in Wyoming.
- 17573 KUHLMAN, A. R., and HANSON, C. Panspots range sites produce more runoff than sandy range sites. *J. Soil Water Conserv.* 21(5):175-176. Ref. Sept./Oct.1966. 56.8 J822
South Dakota.
- 17574 KULANDAISWAMY, V. C. A note on Muskingum method of flood routing. *J. Hydrol.* 4(3): 273-276. O.t.1966. 292.8 J82
- 17575 KVARNEMO, L. Tackdikeningen i det moderna jordbruket [Covered ditches in modern agricultural. Hushallingsgalsk. Forbund. Smaskr. 71,19 p. 1966. 11 H932
- 17576 LABYE, Y. Calculation procedures to minimize pressurized water distribution network cost. (Fr) Houille Blanche 5(spec.no.):577-583. 1966. 290.8 H81
English summary, p.508-509.
Irrigation water.
- 17577 LABYE, Y. Transient movements in water distribution networks under pressure. (Fr) Houille Blanche 5(spec.no.):531-542. 1966. 290.8 H81
English summary, p.507-508.
Irrigation water.
Includes discussion.
- 17578 LAPIDOVSKII, K. M. Financing expense of the soil improvement of collective farms with abundance of the soil moisture. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 9:42-44. Sept. 1966. 30.69 Uc4
Drainage cost.
- 17579 LAUTERBACH, D., and GLOS, E. Some aspects for computing unit hydrographs from observed flood hydrographs. *Int. Ass. Sci. Hydrol. Bull.* 11(3):9-16. Sept.1966. 292.9 As7
Effective rainfall.
- 17580 LIEVRE, R. "Sprinkler irrigation system pump-planting plants." (Fr) Houille Blanche 5(spec.no.): 611-618. 1966. 290.8 H81
English summary, p.509.
Includes discussion.
- 17581 LOKKER, W. C. New materials and working methods for drainage. (Du) Landbouwmecanisation 17(10):1071-1075. Oct.1966. 56.8 L2352
English summary.
- 17582 LUCA, I. Extension of irrigation with local resources on state farms. (Rum) Rev. Gosp. Agr. Stat 18(6):7-8. June 1966. 21 R32
- 17583 LYSOHOV, S. D., KIVER, F. V., and LYMAR, A. O. Efficiency of irrigation in rotation of vegetable crops. (Uk) Viskyi Sil's'ko-hospodar. Nauk. 4:74-80. Apr.1965. 20 V82
Russian summary.
- 17584 MAKHARADZE, A. A. Improvement of water regime of tea plantation soils. (Rus) Makharadze, Vses. Nauch.-Issled. Inst. Chaya. Subtrop. Kul't. Subtrop. Kul't. 3:27-36. Ref. 1965. 68.19 M28
English summary.
By drainage and irrigation at droughty periods.
- 17585 MALIANI, C. New Albania. (It) G. Agr. 76 (37):389. Sept.11,1966. 16 ItIG
Reclamation.
- 17586 MARTIN, G. Would you believe urban irrigation? *Reclam. Era* 52(4):95-96. Nov.1966. 156.84 R24
On lands previously used for agriculture in Arizona.
- 17587 MARTIN, P. E., and others. Irrigation of tomatoes in a single harvest program. *Calif. Agr.* 20(6):12-14. June 1966. 100 C12Cag
J. C. Lingle, R. M. Hagan, and W. J. Flocker, joint authors.
- 17588 MATARRESE, N. Problems of using irrigation systems at the first stage of their operation. (Fr) *Mediterranea* 11:208-221. July/Sept.1966. 281.8 M462
English summary.
Italy.
- 17589 MCCOOL, D. K., and REE, W. O. Tests of a glass fiber channel liner. U. S. Agr. Res. Serv. ARS-41-111,14 p. Oct.1965. A56.9 R31
Oklahoma Agricultural Experiment Station, cooperating.

- 17590 MCCOSKER, L. J. O. Water resources and irrigated fodder crops. Water Res. Found. Australia. Rep. 22:45-48, Oct. 1965. 292.9 W296R
- 17591 MCGILL, D. G. The law in New Zealand in relation to water. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:264-267, 1965. 290.9 Un35F
- 17592 MOUSSU, H. The problems posed by the exploitation of aquifers in contact with salt waters and precautions to be taken. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:391-392, 1965. 290.9 Un35F
- 17593 MYERS, L. E. Water harvesting with plastic films. Nat. Agr. Plast. Conf. Proc., 6th Conf.: 31-34, 1965. 309.9 N216
- 17594 NETHERLANDS, SERV. FOR WATER MANAGEMENT OF "RIJKSWATERSTAAT." Policy in the development of the water resources of the Netherlands. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:271-280, map. 1965. 290.9 Un35F
- 17595 NOSENKO, V. F., and BOROVENSKII, N. P. Overhead irrigation of sugar beets. (Rus) Sakharn. Svekla 9:23-25. Aug. 1966. 66.8 Su393
- 17596 ONCHEV, N. Methods of determining quantities of insoluble runoff and runoff water. (Bu) Rasstevienudni Nauk. 2(9):79-81. 1965. 64.8 R18 English summary.
- 17597 OPPENHEIMER, J. C. Legal aspects of weather modification. West. Snow Conf. Proc., 33d Annu. Meeting:88-93. 1965. 340.9 W52 In relation to water rights.
- 17598 OVERTON, D. E. Muskingum flood routing of upland streamflow. J. Hydrol. 4(3):185-200. Oct. 1966. 292.8 J82
- 17599 PALEOLOGUE, J. E. Agriculture within the framework of Mediterranean unity. II. (Fr) Mediterranee 11:199-208. July/Sept. 1966. 281.8 M462 English summary. Installment deals with irrigation problems.
- 17600 PALMER, W. I. Observations on water rights and water law in the United States. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:367-369, 1965. 290.9 Un35F
- 17601 PAPELISHVILI, K. A. Drainage problems in the Colchis lowland. (Geo) Akad. Nauk Gruz. SSR. Soobshch. 43(3):645-649. Sept. 1966. 511 Ak146 Russian summary.
- 17602 PATTERSON, R. A. Water resources and the development of central Queensland. Water Res. Found. Australia. Rep. 22:55-60. Oct. 1965. 292.9 W296R
- 17603 PERENYI, K. Irrigation in Iraq. (Hu) Vizugyi Kozlem. 1:124-129, map. 1966. 290.9 H89 English summary, p.14 of summaries.
- 17604 PERNES, P. The sprinkler and its problems. (Fr) Houille Blanche 6(spec.no.):633-640. 1966. 290.9 H31 English summary, p.510. Includes discussion.
- 17605 PRASHAR, C. R. K. Some problems of irrigated lands. Indian J. Agron. 10(1):18-22. Ref. Mar. 1965. 22 In235
- 17606 RAPP, R. R. Some economic aspects of weather modification. West. Snow Conf. Proc., 33d Annu. Meeting:83-87. 1965. 340.9 W52 In relation to water supply; includes consumptive use.
- 17607 REE, W. O. Swiss channel-type gaging stations. U. S. Agr. Res. Serv. ARS-41-105, 10 p. May 1965. A56.9 R31 Oklahoma Agricultural Experiment Station, cooperating.
- 17608 REGIONAL CONFERENCE ON WATER RESOURCES DEVELOPMENT IN ASIA AND THE FAR EAST, 6, BANGKOK, 1964. Proceedings. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:400 p., map. Ref. 1965. 290.9 Un35F
- 17609 REPUBLIC OF CHINA. Biennial review of water resources development in Taiwan, China in 1962-1964. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:194-207, map. 1965. 290.9 Un35F Irrigation, drainage, flood control and hydroelectric power included.
- 17610 REPUBLIC OF CHINA. Criteria for a review of water development projects in the Republic of China. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:328-334. 1965. 290.9 Un35F
- 17611 REPUBLIC OF SOUTH AFRICA. DEPT. OF WATER AFFAIRS. Report for the period 1st April, 1964 to 31st March, 1965. Pretoria, 1966. 106 p. 292.9 So83 Text also in Afrikaans. Irrigation included.
- 17612 RIESBO, H. S., HUNSAKER, L. M., and MAHONEY, D. G. Role of snowmelt and snowpack storage in production of runoff on Feather River Basin during December 1955 flood. West. Snow Conf. Proc., 33d Annu. Meeting:19-28, map. 1965. 340.9 W52
- 17613 RUMYANTSEV, A. Problems of development and utilization of water resources in the Soviet Union, 1962-1964. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:210-217, map. 1965. 290.9 Un35F Irrigation included.
- 17614 SALAM, M. A. A., and EL NOUR, S. A. Interaction of saline water irrigation and nitrogen fertilization on corn production in calcareous soils. J. Soil Sci. United Arab Repub. 5(2):121-134. Ref. 1965. 56.8 J825
- 17615 SALAM, M. A. A., and OSMAN, A. Z. Interaction of saline water irrigation and phosphorus fertilization on crop production. J. Soil Sci. United Arab Repub. 5(2):75-88. Ref. 1965. 56.8 J825 Effects on barley and alfalfa yields.
- 17616 SCHNEIDER, W. J. Water resources in the Everglades. Photogram. Eng. 32(6):958-965, map. Nov. 1966. 325.28 P56 Drainage and plant ecology included.
- 17617 SCHUY, D. F. The Columbia Basin colossus. Reclam. Era 52(4):91-94. Nov. 1966. 156.84 R24
- 17618 SEDIMENTATION; annotated bibliography of foreign literature for 1959 to 1964; survey No. 1. Jerusalem, Israel Program for Scientific Translations, 1965. 192 p. Z6033.S454 Published for the U. S. Department of Agriculture and the National Science Foundation, Washington, D. C.
- 17619 SINGH, J. National policies in water resources development integration of projects in a comprehensive plan. India. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:261-295, map. 1965. 290.9 Un35F Irrigation and hydroelectric power.
- 17620 SLOAN, W. J. S. The utilization of water resources in primary industries. Water Res. Found. Australia. Rep. 22:19-28. Oct. 1965. 292.9 W296R
- 17621 STAMM, G. G. An action programme for conserving water of the Colorado River, USA. UN, Econ. Comm. Asia Far East. Water Resources Ser. 28:301-308, map. 1965. 290.9 Un35F Includes irrigation.
- 17622 STAROSOLSZKY, O. Development of irrigation in India. (Hu) Vizugyi Kozlem. 2:281-286. 1966. 290.9 H89 English summary, p.48 of summaries.
- 17623 STOL, P. T. An analysis of ground water levels that are influenced by tidal movement. (Du) Wageningen, Inst. Cultuurtech. Waterhuishouding. 84:335-343, map. 1965. 282.9 W12 English summary.
- 17624 SURFACE drainage conference at Szeged, October 15, 1965. (Hu) Vizugyi Kozlem. 1:16-49, map. 1966. 290.9 H89 English summary, p.10 of summaries. Papers and discussion by L. Orloczi, P. Szaszehelyi, G. Kientz, I. Ballo, T. Szuk, G. Karcagi, I. Mihalyfalvi, L. Takacs, L. Hartyanai, and I. Harmati.

- 17625 SUTHERLAND, D. N. Financial implications of water conservation and use. Water Res. Found. Australia. Rep. 22:49-63. Oct. 1965. 292, 9 W296R
Chiefly irrigation costs.
- 17626 SYMPOSIUM ON THE WATER RESOURCES OF CENTRAL QUEENSLAND, ROCKHAMPTON, 1965. [Papers]. Broadway, N.S.W., 1965. Water Res. Found. Australia. Rep. 22, 64 p., map. Oct. 1965. 292, 9 W296R
- 17627 SZIGYARTO, Z. Design of bed reaches in upstream controlled systems of irrigation canals. (Hu) Vizügyi Kozlem. 2:216-238. Ref. 1966. 290, 9 H89
- 17628 THAILAND, ROYAL IRRIGATION DEPT. Tables showing water resources development in Thailand completed to the end of 1963 and under construction in 1964. UN. Econ. Comm. Asia Far East, Water Resources Ser. 28:230-240, map. 1965. 290, 9 Un35F
- 17629 TSALOV, I. Water regime in wheat irrigation. (Bu) Rastenievudni Nauk. 3(5):55-65. Ref. 1966. 64, 8 R18
English summary.
- 17630 TURCK, G. Some factors involved in—assessing the economic merits of proposed irrigation schemes. S. Afr. Sugar J. 50(8):771, 773, 775, 777, 779, 781, 783. Aug. 1966. 65, 8 S08
For sugarcane.
- 17631 UBALDI, L. Irrigation, hydraulic and agronomic problem. (It) Raccolto 7(8):126-128. Aug. 1966. 16 R11
- 17632 UGRUCHINSKI, S. Comparative tests with furrow irrigation and sprinkling of sugar beets. (Bu) Rastenievudni Nauk. 3(4):83-105. Ref. 1966. 64, 8 R18
English summary.
- 17633 VANCON, J. P. Method of studying flow by correlation. (Fr) Int. Ass. Sci. Hydrol. Bull. 11(3):17-25. Ref. Sept. 1966. 292, 9 As7
- 17634 VANDERTULIP, J. J. Texas water plan. Amer. Water Works Ass. J. 58(10):1225-1230. Oct. 1966. 292, 9 Am32J
Includes water for agricultural use.
- 17635 VELICHKO, I. Elastic tubes in irrigation farming. (Rus) Tekh. Sel'skom Khoz. 9:36-40. Sept. 1966. 58, 8 M11
- 17636 VERDIER, M., and BAGNERES, J. "Sprinkler irrigation system pumping plants;" different types of regulation. (Fr) Houille Blanche 5 (spec.no.):593-610. 1966. 290, 8 H81
English summary, p. 509.
Includes discussion.
- 17637 VERKOREN, J. The effort for good water for Netherlands agriculture. (Du) Landbouwkundig Tijdschr. 78(8):282-290, map. Aug. 1966. 105, 2 Or3
Requirements, quality, and pollution; includes irrigation and drinking water.
- 17638 VITO, L. DE. Projected trends and realizations in the irrigation system of the lower Rhone and Languedoc. (It) Acqua Agr. Ig. Indus. 43(3):73-85, map. Ref. May/June 1965. 290, 8 Ac7
- 17639 WESTERN SNOW CONFERENCE. Proceedings, 33rd annual conference, Colorado Springs, Colo., 1965. Fort Collins, Colo., 1965. 137 p., map. Ref. 340, 9 W52
- 17640 WIEBING, R. Het grondverbeteringsproefveld te De Krim (Ov.) [The soil improvement test field at De Krim (Ov.)]. Wageningen. Inst. Cultuurtech. Waterhuishouding. Verspreide Overdrukken 29, 8 p. 1965. 282, 9 W12V
- 17641 WITTMUSS, H., and FISCHBACH, P. Automatic surface irrigation system is here. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):12-14. Summer 1966. 100 N27N
- 17642 WURZER, E. Dynamic flood protection. (Ge) Oesterr. Wasserwirtsch. 18(7/8):153-159. July/Aug. 1966. 55, 8 Oe8
- 17643 YOUNGS, E. G. Exact analysis of certain problems of ground-water flow with free surface conditions. J. Hydrol. 4(3):277-281. Ref. Oct. 1966. 292, 8 J82
- Erosion and Erosion Control
- 17644 ANDERSON, C. H., and WENHARDT, A. Soil erodibility, fall and spring. Can. J. Soil Sci. 46(3):255-259. Oct. 1966. 56, 8 C162
- 17645 ANDERSON, G. B., and JOHNSTON, C. Conservation in new urban areas. Soil Conserv. 32(4):75-77, 90-91, map. Nov. 1966. 1, 6 So3S
Soil conservation in Virginia.
- 17646 AUGUSTINE, M. T. Using vegetation to stabilize critical areas in building sites. Soil Conserv. 32(4):73-80. Nov. 1966. 1, 6 So3S
- 17647 BEER, C. E. Sediment production measured from a 100-year frequency storm. J. Soil Water Conserv. 21(5):173-174, map. Sept./Oct. 1966. 56, 8 J822
Iowa.
- 17648 BHASKARAN, A. R., and CHAKRABARTY, D. C. A preliminary study on the variations in the soil binding capacity of some grass roots. Indian J. Agron. 10(3):326-330. Sept. 1965. 22 In235
Erosion control by planting.
- 17649 BODOLAY, MRS. I. Changing soil physical properties influencing wind erosion. (Hu) Agrokom. Talajtan 15(2):372-383. Ref. June 1966. 385 Ag63
Review of the literature.
- 17650 CHIEH, H. Development of mountain resources and flood control in Taiwan—a long range view. UN. Econ. Comm. Asia Far East. Water Resources Ser. 28:373-379. 1965. 290, 9 Un35F
Soil conservation and forest management.
- 17651 COLLINS, N. W. Soil conservation, river control and land drainage in New Zealand. UN. Econ. Comm. Asia Far East, Water Resources Ser. 28:387-390. 1965. 290, 9 Un35F
- 17652 COOPER, C. C. "Zende!" netting for sand fences, erosion control and crop protection. Nat. Agr. Plast. Conf. Proc., 6th Conf.:94-97. 1965. 309, 9 N16
Polyethylene.
- 17653 KABISCH, H. Soil compaction, surface erosion, and its overcoming. (Ge) Lebendige Erde 2:51-55. Mar./Apr. 1966. 18 L49
- 17654 KIRICHENKO, P. D. Peculiarities of experimental studies of the wind erosion. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:109-111. Aug. 1966. 20 V633
English summary.
- 17655 KOLLER, M. Soil protection and forestation in the comitat Pest. (Hu) Erdo 15(6):346-349. Aug. 1966. 99, 8 Er22
German summary.
Soil erosion control.
- 17656 NIESMANN, K. Untersuchungen über Boden-erosion und Bodenerhaltung in Verbindung mit Flurbereinigung [Research on soil erosion and soil conservation in relation to consolidation of holdings]. Schriftenreihe Flurbereinigung 40, 86 p., map. Ref. 1966. 282, 9 Sch7
- 17657 ONCHEV, N., and NIKOLOV, S. Hydraulic investigations on runoff conducting furrows. (Bu) Rastenievudni Nauk. 2(12):145-149. 1965. 64, 8 R18
English summary.
For erosion control.
- 17658 SEFF, P., and SMITH, W. Rates of rounding of quartz granules and nature of sedimentary maturity, San Pedro Valley, Cochise County, Arizona. U. S. Agr. Res. Serv. ARS-41-108, 11 p., map. Ref. July 1965. A56, 9 R31
Arizona Agricultural Experiment Station, co-operating.
- 17659 SEGNER, I. Gully development and sediment yield. J. Hydrol. 4(3):236-253, map. Oct. 1966. 292, 8 J82
Erosion in Israel.
- 17660 TRUFANOVA, V. N. Wind erosion and soil fertility. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:18-22. Aug. 1966. 20 V633
English summary.
- 17661 U. S. SOIL CONSERVATION SERV. National handbook for conservation planning on farms, ranches, and non-agricultural land. Washington, 1965. 53 p. aS621.A1U5

- 17662 U. S. SOIL CONSERVATION SERV. An outline for teaching conservation in elementary schools. U. S. D. A. PA-263, slightly rev., 14 p. Ref. July 1965. 1 Ag84Pro
- 17663 WILLIAMS, D. A. Conservation challenges in new urban areas. Soil Conserv. 32(4):95. Nov. 1966. 1,6 So35
- 17664 ZIEMNICKI, S., and JOSZEFACIUK, C. Erozja i jej zwalczanie [Erosion and its control]. Warszawa, Państwowe Wydawnictwo Rolnicze i Lesne, 1965. 362 p. Ref. S625.P725

Sanitation

- 17665 BAYER, G. H. Soil fumigants can increase crop yields. Agway Coop. 2(9):14-15. Sept. 1966. 280,28 Ag9
- 17666 KRASILNIKOV, N. A. Microbiological sanitation of soils. (Rus) Agrokhiimiya 9:19-27. Ref. Sept. 1965. 385 Ag89
- 17667 SCOVILLE, R. H., and LEAMAN, D. Polyethylene uses in soil fumigation. Nat. Agr. Plast. Conf. Proc., 6th Conf.:98-99. 1965. 309,9 N216
- 17668 TEASLEY, J. L., and COX, W. S. Soil methods: methods for extracting insecticides from soil. J. Agr. Food Chem. 14(5):519-520. Sept./Oct. 1966. 381 J8223
- DDT and Endrin.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 17669 FASSBENDER, H. W. Solubility and dissolution rate of basic slag and rhenaniaphosphate. (Ge) Z. Pflanzenernahr. Dungung, Bodenkn. 112 (3):220-228. Ref. 1966. 384 Z343A
- English summary, p.X.
- 17670 HAYS, J. T., and HADEN, W. W. Soluble fraction of ureaforms-nitrification, leaching, and burning properties. J. Agr. Food Chem. 14(4):339-341. Ref. July/Aug. 1966. 381 J8223
- 17671 KATZ, S. E., and FASSBENDER, C. A. Biodegradability of ureaformaldehydes and related compounds. J. Agr. Food Chem. 14(4):336-339. Ref. July/Aug. 1966. 381 J8223
- 17672 PAPAIOANNOU, A. C. Accurate metering of ammonia. Agr. Chem. 21(9):29-30,32,34. Sept. 1966. 381 Ag8
- Anhydrous ammonia fertilizer.
- 17673 SMITH, J. P., and LEHR, J. R. An X-ray investigation of carbonate apatites. J. Agr. Food Chem. 14(4):342-349. Ref. July/Aug. 1966. 381 J8223

Mineral Soil Amendments

- 17674 GERICKE, S. The active phosphoric acid in Thomas phosphate. (Ge) Phosphorsaure 2(6)(12):61-80. 1966. 57,8 P563
- Fertilizer Technology and Statistics
- 17675 ARNE, F. The fertilizer industry is fast going global. Chem. Eng. 73(21):104-106,108, 110. Oct. 10, 1966. 381 EL2
- 17676 BISCHOFBERGER, G., and HECK, R. R. NPK fertilizer production using superphosphoric acid. Fert. Soc. Proc. 91,36 p.,map. 1966. 57,9 F41
- Discussion, p.22-36.
- 17677 BURNS, A. F., and SMITH, A. M. Available magnesium in mixed fertilizers. Agr. Chem. 21(9):45-47. Sept. 1966. 381 Ag8
- 17678 DEISSMANN, W. Development of phosphate fertilizers from superphosphate to Novaphos. (Ge) Chem. Tech. Landwirt. 17(9):328-330. 1966. 384 C4292

- 17679 ENSMINGER, L. E. Water-soluble phosphorus content of fertilizer collected in ten Southeastern States in 1964. Com. Fert. Plant Food Indus. 113(4):32,34. Oct. 1966. 57,8 C73
- 17680 FERTILISER ASSOCIATION OF INDIA. Production and consumption of fertilisers, annual review, 1964-65. New Delhi, 1965. 60 p. S631.F4
- 17681 FIALA, J. Some physical properties of granulated fertilizers. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(5):235-250. May 1966. 58,9 C333
- English summary.
- 17682 FRAZIER, A. W., SMITH, J. P., and LEHR, J. R. Precipitated impurities in fertilizers prepared from wet-process phosphoric acid. J. Agr. Food Chem. 14(5):522-529. Ref. Sept./Oct. 1966. 381 J8223
- 17683 GRAHAM-YOOLL, F. N. Canada's fertilizer industry and its transportation problems. Chem. Can. 18(10):29-33. Oct. 1966. 381 C4236
- 17684 GYARMATI, J. The superphosphate industry. (Hu) Magyar Kem. Lapja 21(9):470-480. Ref. Sept. 1966. 385 M27
- English summary.
- 17685 IONASS, A. A., VLADIMIROV, L. V., and SHPUNT, S. YA. Study of chemistry and technology of mineral fertilizers in USSR. (Rus) Uspekhi Khim. 35(10):1707-1721. Ref. Oct. 1966. 385 U56
- 17686 KARLSSON, N., and PETTERSSON, J. On the extraction methods for the determination of phosphorus in fertilizers and some comparative investigations of new fertilizers. (Sw) Stockholm, Stat. Lantbruksskem. Kontrollanstalt, Medd. 28:51-66. 1966. 385 St6
- 17687 KARLSSON, N. The quinoline molybdate method, a collaborative test in comparison with other methods for the determination of phosphorus in extracts from fertilizers. (Sw) Stockholm, Stat. Lantbruksskem. Kontrollanstalt, Medd. 28:37-50. Ref. 1966. 385 St6
- 17688 MAHAN, J. N. Transportation; fertilizer expansion. Agr. Chem. 21(10):18-19,89-90. Oct. 1966. 381 Ag8
- 17689 MEYER, F. 1966/67 fertilizer prices. (Ge) Mitt. Deut. Landwirt.-Ges. 81(32):1230,1232, 1234-1237. Aug. 11, 1966. 18 N39
- 17690 PILE, P. C., and WILLIAMS, A. Rapid determination of the sulfate content of wet-process phosphoric acid by phototurbidimetric titration. J. Agr. Food Chem. 14(5):521-522. Sept./Oct. 1966. 381 J8223
- 17691 SCHALL, E. D. Report on fertilizers. Ass. Offic. Anal. Chem. J. 49(1):37-38. Feb. 1966. 381 As7
- 17692 SCHEFFER, F., ULRICH, B., and FASSBENDER, H. W. The solubility of superphosphates, ammonophosphates and phosphate compounds in NPK-fertilizers. (Ge) Z. Pflanzenernahr. Dungung, Bodenkn. 113(1):11-19. Ref. 1966. 384 Z343A
- English summary, p.I of summary section.
- 17693 SCHMITZ, F. Usage of fertilizer materials in the Federal Republic. (Ge) Kartoffelbau 16(1):4-5. Jan. 1965. 75,8 K145
- Statistics.
- 17694 WALKUP, H. G., and NEVINS, J. L. The cost of doing business in agricultural ammonia for direct application. (Condensed). Agr. Ammonia News 16(6):96-100. Nov./Dec. 1966. 381 Ag82
- Marketing costs.
- 17695 WANDER, I. W. Historical background of X - O - X and 2 - 1 - 2 grades of fertilizer in Florida. Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ., 1964/65:107-110. 383,79 As7
- 17696 WELLS, N. Selenium content of some minerals and fertilizers. New Zeal. J. Sci. 9(2):409-415. June 1966. 514 N482
- 17697 WEST VIRGINIA, DEPT. OF AGRICULTURE. Fertilizer and lime inspection report, July 1, 1965 to June 30, 1966. W. Va. Dep. Agr. Bull. (n.s.), 133,23 p. 1966. 2 W522

- 17698 WOODS, F. J. Recent developments in fertilizer manufacture in Florida. Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ., 1964/65:46-50. 389.79 As7
- 17699 WOOD, J. S. Manufacturing, sampling and chemical analysis of bulk fertilizer, and various problems involved. Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ., 1964/65:118-126. 389.73 As7

Manures and Composts

- 17700 ANDRZEJEWSKI, M. Use of lignites as fertilizers. I. (Pol) Roczn. Nauk Roln. 91-A-1:145-153. 1966. 20.5 R59
English summary.
- 17701 ENIKOV, K., and TODOROVA, B. Chemical and microbiological investigations on earth-manure composts. (Bu) Rastenievudni Nauk. 2(7):89-99. 1965. 64.8 R18
English summary.
- 17702 GARTIG, W. Technological and economic research on liquid manures. (Ge) Deut. Landwirt. 17(8):389-393. Aug. 1966. 18 D4822
Handling, storage, and application, including costs.
- 17703 HOFFMANN, F. Composting and green manuring in forest nurseries. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1587-1591. 1965. 509 D81
Includes preparation of composts.

- 17704 KRIGE, P. R. Composting. Soil Sense 5(1):6-9. Spring 1966. 56.8 S0322
Composting of sewage.
- 17705 MINNIGERODE, VON. Tests with the artificial composts. (Ge) Champignon 6(57):15-24. May 1966. 80 C352
For mushrooms; includes preparation and composition.
- 17706 MUCKE, K. H. Fertility from the barrel. (Ge) Gartenschonheit 2:35. Second Q. 1966. 80 G199
Preparation of home composts for ornamental plants.
- 17707 PASTORINI, F. M., and MALETTO, S. Aspects and problems concerning the zoo-economic and technical significance of animal excrement: critical observations, considerations and discussion. (It) Turin. Univ. Fac. Med. Vet. Ann. 14:23-51. 1964. 41.9 T843
English summary.
Chiefly composition of manures.
- 17708 STICKELBERGER, D. Composting of industrial wastes, especially those from the pharmaceutical industry. (Ge) Chem.-Zeitung.-Chem. App. 90(18):642,643. Ref. Sept. 20, 1966. 384 C427
- 17709 WINDECK, E. Feces disposal. (Ge) Lebendige Erde 3:126-128. May/June 1966. 18 L49
Composting of urban wastes included.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 17710 ASOCIACION LATINOAMERICANA DE CIENCIAS FISIOLÓGICAS CONGRESO, 7, MAR DEL PLATA, ARGENTINA, 1966. Comunicaciones libres: resúmenes [Summaries of papers]. Acta Physiol. Lat. Amer. Fisiol. Farmacol. Bioquim. Cienc. Afines 16(1,sup.), 140 p. 1966. 444.8 Ac86
Includes papers on insects, plants, and animals.
- 17711 ASSOCIATION OF SOUTHERN FEED, FERTILIZER AND PESTICIDE CONTROL OFFICIALS. Official publication, 1964-1965. n.p., 1965. 135 p. 389.79 As7
Includes papers presented at the annual meeting.
- 17712 AUSTRIA. BUNDESMINISTERIUM FÜR LAND- UND FORSTWIRTSCHAFT. Tätigkeitsbericht [Report of activity of the Federal Ministry of Agriculture and Forestry], 1965. Wien, 1966. 128 p. HD1931.A9
- 17713 BAR, F. Possible danger to health through the use of pesticides. (Ge) Ernähr.-Umsch. 13(8):258-259, Aug. 1966. 389.8 Er66
- 17714 BARNETT, J. P. The future of the pesticide industry in Florida. Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ., 1964/65:51-60. 389.79 As7
- 17715 BEAR, S. H. NACA [National Agricultural Chemicals Association] in '75. Agr. Chem. 21(10):24,90. Oct. 1966. 381 Ag8
- 17716 BESEMER, A. F. H. Unwanted side effects of economic poisons. (Du) Loonbedrijf Land-Tuinbouw 19(4):709,711. Nov. 1966. 283.8 L87 Hazards.
- 17717 BRINKLEY, P. C. NACA [National Agricultural Chemicals Association] and legislation. Agr. Chem. 21(10):26,28-29,32. Oct. 1966. 381 Ag8
- 17718 BRITISH SOLOMON ISLANDS PROTECTORATE. DEPT. OF AGRICULTURE. Annual report, 1965. Honiara, 1966. 15 p. 25 B772
- 17719 CASWELL, R. L. Report on analytical methods for pesticide formulations. Ass. Offic. Anal. Chem. J. 49(1):40-41. Feb. 1966. 381 As7
- 17720 CORNWELL, G. W., and MOSBY, S. S. Virginia wildlife conservation notes: the eastern gray squirrel. Va. Polytech. Inst. Ext. Circ. 1019, 11 p. July 1966. 275.29 V81C
- 17721 CRAIG, G. A. Foresters, facts, and philosophy in the resource policy mix. J. Forest 64(10):664-667, Oct. 1966. 99.8 F768
Society of American Foresters role in natural resources policy.
- 17722 DALMASSO, G. Prudence and conscience in the use of antiparasitics. (It) Colt, G. Vinicolo Ital. 112(8):247-248. Oct. 1966. 16 C72
- 17723 DELAWARE. STATE BOARD OF AGRICULTURE. Annual report, fiscal year 1965-66. Del. Board. Agr. Bull. 56(10), 48 p. 1966. 2 D37E
- 17724 EHLERS, M. H. Use of liquid-scintillation systems in biological studies. J. Dairy Sci. 49(8):1023-1024, Aug. 1966. 44.8 J822
Radioactivity detection with biological application.
- 17725 FABINYI, R. Effect of plant protection chemical residues and the protection of consumers. (Hu) Mezőgazdasági Világtudomány 8(4):376-379. Ref. 1966. 19 M577
Review of the literature.
- 17726 GESELLSCHAFT DEUTSCHER CHEMKER. Vorträge der Festsitzung und der Tagung der Fachgruppe Analytische Chemie der GDCh, der Österreichischen Gesellschaft für Mikrochemie und Analytische Chemie im VOCh, der Schweizerischen Gesellschaft für Analytische Chemie und Angewandte Chemie vom 13. bis 16. April 1966 in Lindau (Bodensee), Teil 1, Analytik kleinster Substanzmengen [Papers of the festival session of the Society of German Chemists and the conference of the Analytical Chemistry Group of the Society of German Chemists, the Austrian Society for Microchemistry and Analytical Chemistry in the VOCh, the Swiss Society for Analytical and Applied Chemistry, April 13 to 16, 1966 in Lindau (Lake Constance), Part 1, Analysis of smallest trace substances]. Z. Anal. Chem. 221, 438 p. Ref. 1966. 384 Z3
- 17727 GOIDANICH, G. Antiparasitics; we do not exaggerate. (It) G. Agr. 76(39):409. Sept. 25, 1966. 16 R1G
Hazards.
- 17728 HARTEL, O. Possibilities for separating simultaneously acting smoke damage sources. (Ge) Vienna. Forstl. Bundesversuchsanst. Mariabrunn. Mitt. 73:57-68. 1966. 99.8 M69
- 17729 HARTLEY, G. S. Feathers, fins and facts. Chem. Indus. 40:1654-1656. Oct. 1, 1966. 382 M31C
Toxicity of pesticides to wildlife.
- 17730 HOEGNER, W. Protection of nature is protection of man. (Ge) Bl. Naturschutz 46(1/2):1-6, May 1966. 279.8 B61
- 17731 HOLMES, R. C. Current defense activities. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1966:28. A281.9 V59 Vermont.
- 17732 JOHNSON, L., and DUNKELBERGER, J. E. Where do local dealers get pesticide information? Highlights Agr. Res. [Ala. Sta.] 13(2):8. Summer 1966. 100 AL1H
- 17733 KENYA. DEPT. OF AGRICULTURE. Annual report, 1963. II. Record of investigations. n.p., 1966. 182 p. Ref. 24 A8A
- 17734 KENYA. DEPT. OF AGRICULTURE. Annual report, 1964. I. n.p., 1966. 82 p. 24 A8A
- 17735 KURLANDZKA, A., and TUHAN-TAUROGIN-SKI, B., comp. Bibliografia prac magistrskich, kandydackich, doktorskich i habilitacyjnych przyjetych w Szkole Główniej Gospodarstwa Wiejskiego w Warszawie w latach 1918-1963 [Bibliography of master, candidate, doctor and habilitation theses accepted by the Main School of Agriculture in Warsaw in 1918-1963]. Ed. 2, rev. Warsaw. Szkoła Główna Gosp. Wiedsk. Bibl. Główna. Prace 1966. 2 v. 106.2 W262
1. Alphabetical list of theses by faculty; 2. Author and subject indexes.
- 17736 LINDEGAARD, J. Care and prudence is needed in the use of economic poisons. (Da) Landbonyt 20(5):333-335. Oct. 1966. 11 L2322
- 17737 LINSTROMBERG, W. W. Organic chemistry; a brief course. Boston. Heath, 1966. 432 p. QD253.5
For students of agriculture, home economics, and veterinary medicine.
- 17738 MALAWI. DEPT. OF AGRICULTURE AND FISHERIES. Annual report for the year ended 31st December, 1965. I. Zomba, 1966. 30 p. 24 M29
- 17739 MANG, J. The hen farm. (Ge) Bl. Naturschutz 46(1/2):12-13. May 1966. 279.8 B61
The farm set up in the open country in its relation to nature conservation and building legislation.
- 17740 MARCHINTON, R. L. New device for determining deer movements. Highlights Agr. Res. [Ala. Sta.] 13(3):4. Fall 1966. 100 AL1H
- 17741 MARTYSHEV, F. G. Development of pond fish farming on collective and state farms. (Rus) Zhivotnovodstvo 8:32-36. Aug. 1966. 49 Z6
- 17742 MAURITUS. DEPT. OF AGRICULTURE. Annual report for the year 1964. Port Louis, 1965. 106 p. 24 M443A

- 17743 MONEY, D. C. Climate, soils and vegetation. London, Univ. Tutorial Press, 1965. 272 p., map. \$600.M6
- 17744 MOORE, I. Teaching conservation in the city. Amer. Forests 72(10):22-25. Oct.1966. 99.8 F762
- 17745 MULLINS, D. H. Union Carbide's research program on plastics for agricultural uses. Nat. Agr. Plast. Conf. Proc., 6th Conf.:89-93. 1965. 309.9 N216
- 17746 NATIONAL AGRICULTURAL PLASTICS CONFERENCE, 6, PHOENIX, 1965. Proceedings, edited by N. F. Oebker. Tucson, 1965. 213 p. Ref. 309.9 N216
Arizona University Agricultural Extension Service, cooperating.
- 17747 NIGERIA, EASTERN REGION, MINISTRY OF AGRICULTURE, AGRICULTURE DIV. Annual report, 1963-1964. Enugu, 1966. 103 p. 24 N566
- 17748 NORTHERN IRELAND, MINISTRY OF AGRICULTURE, 24th general report, year ended 31st March 1965. Belfast, 1965. 137 p., map. 10 N81A
- 17749 OAKLEY, M. The changing AOAC. Ass. Offic. Anal. Chem. J. 49(1):104-109. Feb.1966. 381 As7
- 17750 OFFALY COUNTY (IRELAND), COMMITTEE OF AGRICULTURE. Annual report, 1964. Athlone, 1965? 93 p. 10.5 O2
- 17751 OKLAHOMA, STATE BOARD OF AGRICULTURE, DIV. OF SEED, FEED, AND FERTILIZER. Summary inspection report of official samples on seed, feed & fertilizer, fiscal year, 1963-64. Oklahoma City, 1964. 82 p. 61.9 Ok4
- 17752 OKLAHOMA, STATE BOARD OF AGRICULTURE, DIV. OF SEED, FEED AND FERTILIZER. Summary inspection report of official samples seed, feed & fertilizer, fiscal year, 1964-65. Oklahoma City, 1965. 87 p. 61.9 Ok4
- 17753 ONTARIO, DEPT. OF ENERGY AND RESOURCES MANAGEMENT. Cataaraqui Region conservation report: land, forest, wildlife. Toronto, 1966. various paging, map. 279.9 On82
Land use, forest resources and conservation, watersheds, and farming in relation to wildlife.
- 17754 PAPUA AND NEW GUINEA, DEPT. OF AGRICULTURE, STOCK AND FISHERIES. Annual report, 1963-64. Port Moresby, 1965. 150 p., map. 23 P19
- 17755 PROSKAUER, E. S., ed. Perspectives in polymer science; a volume dedicated to Herman F. Mark on the occasion of his 70th birthday. J. Polymer Sci. Part C, Polymer Symp. 12, 376 p. Ref. 1966. 381 J829S
- 17756 QUEENSLAND, DEPT. OF PRIMARY INDUSTRIES. Annual report, 1965-66. Brisbane, 1966. 22 p. 23 Q3
Agriculture.
- 17757 RABBIT DESTRUCTION COUNCIL. Fourteenth annual report for the year ended March 31, 1966. Wellington, 1966? 15 p. 79.9 R11
- 17758 SAUERBECK, D., and FUHR, F. Routine procedures for the sensitive measurement of the amount of radioactivity of ^{14}C . (Ge) Landwirt. Forsch. Sonderheft 20:75-84. Ref. 1966. 18 L2333A
English summary.
- 17759 SHAMSHURIN, A. A., and KRIMER, M. Z. Fiziko-khemichekies svoistva organicheskikh yadokhemicatov i regulatorov rosta; spravochnik [Physico-chemical characteristics of organic pesticides and growth substances; handbook]. Moskva, Nauka, 1966. 172 p. SB961.S5
- 17760 SIERRA LEONE, DIV. OF AGRICULTURE. Report for the year 1963. Freetown, 1966. 40 p. 24 Si2
- 17761 '66-'67 AGCHEM buyer's guide. Agr. Chem 21(9):97-127. Sept.1966. 381 Ag8
- 17762 SMITHSONIAN INSTITUTION. Smithsonian year-1965; annual report for the year ended June 30, 1965, including the financial report of the Executive Committee of the Board of Regents. Washington, 1965. 437 p. Ref. 500 Sm65
- 17763 SPEED, F. M. A. General biology. Columbus, Ohio, Merrill Books, 1966. 465 p. Ref. Q308.S6
Textbook.
- 17764 STAUNSKJAER, J. Nature preservation in Denmark, organization and rules for indemnification. (Da) Dansk Skovfor. Tidsskr. 51(4): 273-288. Apr.1966. 99.8 D23
- 17765 STEGEMANN, S. Balance of nature? (Ge) Lebendige Erde 2:65-70. Mar./Apr.1966. 18 L49
- 17766 SWAZILAND, DEPT. OF AGRICULTURE. Annual report for the year ended 31st December 1964. n.p., 1965. 36 p., map. 282.9 Sw2
- 17767 SWAZILAND, DEPT. OF AGRICULTURE. Annual report for the year ended 31st December 1965. n.p., 1966. 69 p., map. S338.S9S93
- 17768 SWEDEN, STATENS LANTBRUKSKEMISKA KONTROLLANSTALT. Activities of the State Agricultural Chemical Testing Station, 1964/1965. (Sw) Stockholm, Stat. Lantbruk-skem. Kontrollanstalt, Medd. 28:3-9. 1966. 385 St6
- 17769 TASMANIA, DEPT. OF AGRICULTURE. Annual report for 1964-65, by F. W. Hicks. Hobart, 1965. 96 p. 23 T182R
- 17770 U. S. AGRICULTURAL RESEARCH SERV. Research careers in chemistry and other sciences. U. S. D. A. Misc. Publ. 982, rev., 16 p., folder. Nov.1965. 1 Ag84M
- 17771 VAN MIDDELEM, C. H. Pesticide residue research and the proposed regional laboratory. Ass. Southern Feed, Fert. Pesticide Contr. Offic. Offic. Publ., 1964/65:61-68. 389.79 As7
- 17772 WERMINGHAUSEN, B. Plastics for agriculture. (Ge) Mitt. Deut. Landwirt.-Ges. 81(32): 1225-1228. Aug.11, 1966. 18 N39
- 17773 WHITTEN, J. L. That we may live. Princeton, New Jersey, Van Nostrand, 1966. 251 p. Ref. SB951.W5
Use of pesticides.
- 17774 WILLIMOVSKY, N. J., and WOLFE, J. N., ed. Environment of the Cape Thompson Region, Alaska. Oak Ridge, United States Atomic Energy Commission, Division of Technical Information, 1966. 1250 p., map. Ref. QH105.A4W5
Includes flora, insects, soils, and human ecology of the Eskimo.

BIOGRAPHY

- 17775 AASULV Loddesol is 70 years old. (No) Ny Jord 53(4):115. Aug.1966. 282.28 N98
- 17776 ABERG, B. Carl Schmitterlow is 50 years old. (Sw) Svensk Veterinartidn. 18(18):548. Sept. 1966. 41.9 Sv23
- 17777 A. I. POPOV 75 years old. (Rus) Moloch. Prom. 9:22. Sept.1966. 44.8 M734
- 17778 AMICIS, T. DE, and CAPPAL, M. The Coltivatore e Giornale Vinicolo Italiano for the eightieth birthday of its director. (It) Colt. G. Vinicolo Ital. 112(6/7):187-188. June/July 1966. 16 C72
Giovanni Dalmasso.
- 17779 BADEN, W. On the 80th birthday of Professor Dr.-Ing. Otto Udden. (Ge) Z. Kulturtech. Flurbereinigung 7(3):174-175. May/June 1966. S605.A1Z4
- 17780 BAJAI, J. Emil Grabner 1878-1955. Acta Agron. [Budapest] 15(1/2):262-264. 1966. 19 Ac8
- 17781 BAJAI, J. Janos Suranyi. 1886-1965. Acta Agron. [Budapest] 15(3/4):449-458. 1966. 19 Ac8
Includes list of publications.
- 17782 BERTIL Nilsson. (Sw) Sweden, Statens Cent. Frokottrollanst. Meddel. 41:3-4. 1966. 61.9 Sw3

- 17783 BENZ, Prof. Dr. W. Bolz of Hohenheim is 65 years old. (Ge) Deut. Tierarztl. 14(6):357-358, Aug. 5, 1966, 41.8 D484
- 17784 BLANKMEISTER, Prof. Dipl. Forsting, Rudolf Kleinert is 65 years old. (Ge) Sozialistisch Forstwirtschaft. 16(6):190-191, June 1966, 99.8 W143
Includes list of publications.
- 17785 BLASZYK, P. Dr. Karl Viktor Stolze. (Ge) Gesunde Pflanzen 18(6):101-103, June 1966, 464.8 G33
On his 65th birthday.
- 17786 BOHM, R. 200 years since the birth of Ignatz Josef Pesina (1766-1808). (Ge) Brno. Vysoka Sk. Zemedel. Sb. Rada B. Spisy Fak. Vet. 2:97-111, Ref. 1966, 105.92 B833
English summary.
- 17787 BORKOVSKAYA, V. Evgeniya Nikolaevna Sinkaya. Nature [London] 211(5055):1240, Sept. 17, 1966, 472 N21
- 17788 BOROWSKI, M. Scientific production of Professor Dr. Jerzy Grochowski. (Pol) Sylwan 109(5):29-34, 1965, 99.8 Sy52
English summary.
- 17789 BRAUNINGER, Municipal veterinarian Dr. H. Grimm of Bad Waldsee died. (Ge) Tierarztl. Umsch. 21(8):421, Aug. 1, 1966, 41.8 T445
- 17790 BRADLEY, R. A. Frank Wilcoxon. Biometrics 22(1):192-194, Mar. 1966, 442.8 B5224
- 17791 BUJAN, C. Boguslaw Sujkowski—obituary. (Pol) Sylwan 110(5):87-88, 1966, 99.8 Sy52
- 17792 CARTELLA, I. In memory of a departed colleague. (It) Nuovo Prog. Vet. 21(6):278, Mar. 31, 1966, 41.8 P942
F. A. Calderone.
- 17793 CATRI, M. An example to imitate—Augusto Fausto Nuzzi. (It) Nuovo Prog. Vet. 21(7):334, Apr. 15, 1966, 41.8 P942
- 17794 CHARLES Julien Hunt. In memoriam. (Fr) Entomops 3:65-66, First Q. 1965, Q1461.E53
- 17795 COARASA MASDEU, J. M. Necrology—Antonio Feliu Pujadas. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(254):493-495, Aug. 1965, 41.9 C67
- 17796 DAGYS, I. K. Maria Pievna Natkevichaite—Ivanuskene (60th birthday anniversary). (Rus) Bot. Zhur. [Moscow] 51(3):454-457, Mar. 1966, 451 R923
Includes list of publications.
- 17797 DALGAARD-MIKKELSEN, S. Valdemar Adersen, June 3, 1886—May 26, 1965. (Da) Denmark. Vet.—Landbohøjsk. Arsskr. 1966:253-257, 104 D414
- 17798 DE HAAS, Professor Doctor Walther Gleisberg, 75 years old. (Ge) Deut. Baumschule 18(4):116-117, Apr. 1, 1966, 80 D486
- 17799 DEURS, W. VAN, P. K. Nielsen, November 5, 1882—August 18, 1965. (Da) Flora Fauna 71(4):113-114, Dec. 1965, 410 F662
- 17800 DIERCKS, R. Professor Karl Boning. (Ge) Gesunde Pflanzen 18(3):41-43, Mar. 1966, 464.8 G33
On his 65th birthday.
- 17801 DOCTOR Hellmut Spath. (Ge) Deut. Baumschule 18(3):81-83, Mar. 1, 1966, 80 D486
- 17802 DR. H. C. KARL Schimmelpennig and Dr. Karl Niederberger are 65 years old. (Ge) Tierzucht 18(20):722, Oct. 20, 1966, 49 T445
- 17803 DR. W. E. Van Steenburgh, 1899. Can. Dep. Agr. Res. Br. Entomol. Newslett. 44(5):3-4, May 2, 1966, 423.92 C16
- 17804 ERIC Seren is 50 years old. (Sw) Tidskr. Lantman Andelsfolk 19:421, Oct. 15, 1965, 20 T43
- 17805 AN EXAMPLE to imitate—Dr. Tito Aurelio Aronica. (It) Nuovo Prog. Vet. 21(6):273, Mar. 31, 1966, 41.8 P942
- 17806 50th ANNIVERSARY of M. A. Pavlova. (Rus) Sadovodstvo 9:44, Sept. 1966, 80 Sa13
- 17807 FLEMMING, H. Professor Dr. A. N. Pesotskii of Leningrad is 70 years old. (Ge) Holztechnologie 7(2):127, May 1966, 99.8 H744
- 17808 FRITZSCH, W. Professor Dr. med. vet. habil. Dr. h. c. Alfred Borchert on his 80th birthday. (Ge) Deut. Bienenwirtsch. 17(9):255-256, Sept. 1966, 424.8 D489
- 17809 GEORG Pedersen will be 70 years old. (Da) Møkkertidende 79(42):896, Oct. 21, 1966, 44.8 M26
- 17810 THE GEORGE Fleming Prize, 1965/66. Brit. Vet. J. 122(9):357, Sept. 1966, 41.8 V643
Given to A. Littlejohn.
- 17811 GRIGORI Petrovich Shamayev. (Rus) Sadovodstvo 9:44, Sept. 1966, 80 Sa13
- 17812 GUSTAV Antonovich Kuk. (Rus) Moloch. Prom. 11:15, Nov. 1966, 44.8 M734
- 17813 HANNESTAD, K. O. Poul Mose will be 70 years old. (No) Gartneryrket 56(37):862-863, Sept. 9, 1966, 80 G1938
- 17814 HAROLD Ellacott Gray. Can. Dep. Agr. Res. Br. Entomol. Newslett. 44(7):2-3, July 1, 1966, 423.92 C16
- 17815 HAUFF, O. On the 150th anniversary of death of Johann Trunk, holder of the first forestry professorship in Germany. (Ge) Forst- Holz-wirt 21(11):261-262, June 8, 1966, 99.8 F7724
- 17816 HIGH distinction for Rudolph Jacoby. (Ge) Deut. Bienenwirtsch. 17(9):250, Sept. 1966, 424.8 D489
Recipient of the Zander Gold Medal.
- 17817 HILLERS, S., and VALDMANIS, A. Janis V. Peive. (Rus) Latv. PSR Zinat. Akad. Vestis 7:149-151, 1966, 511 R442
- 17818 HOFFMANN, W. In memoriam Franz Vettel. (Ge) Z. Pflanzenzucht. 55(1):95-99, Feb. 1966, 450 Z36
Includes list of publications.
- 17819 HOFFMEISTER, Peter Josef Lenne. (Ge) Landesverband Gartenbau Landwirt. Berlin. Mitteilungsbl. 17(2):8-9, Feb. 1966, 85 L233
- 17820 HOFSTEN, N. VON, Arvid Hj. Uggla 2.13, 1883-7.30.1964. (Sw) Svenska Linne-Sällskaps. Arsskr. 47:89-92, 1964, 502 Sv2
- 17821 HOIE, J. + Professor Per Tuff + (No) Fjorfe 83(9):207-208, Sept. 1966, 47.8 T432
- 17822 HUGO Buff, Wolfhalden, official of the VDSE [Verein Deutschschweizerischer Bienenfreunde]. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(9):422-423, Sept. 1966, 424.8 Sch9
- 17823 IN MEMORIAM: Jean Vinson, O.B.E. (Fr) Rev. Agr. Sucrerie Ile Maurice 45(2):58-59, Apr./June 1966, 24 M44
Includes a list of publications.
- 17824 IN MEMORIAM Professor Dr. Ir. C. Coolhaas. Neth. J. Agr. Sci. 14(3):161-164, Aug. 1966, 12 N382
- 17825 JAMES Anderson Scott Watson. Nature [London] 211(5056):1348, Sept. 24, 1966, 472 N21
- 17826 JASINSKI, R. In memory of the one, whose name will remain with us for ever. (Pol) Sylwan 110(6):82-84, 1966, 99.8 Sy52
Jan Jerzy Karpinski.
- 17827 JEPSEN, A. Jens Sorensen, June 15, 1912—March 29, 1965. (Da) Denmark. Vet.—Landbohøjsk. Arsskr., 1966:249-250, 104 D414
- 17828 JEPSEN, A. Magnus Dorthenius Christiansen, October 20, 1882—July 21, 1965. (Da) Denmark. Vet.—Landbohøjsk. Arsskr., 1966:258-261, 104 D414
- 17829 JEPSEN, A. Peter Andresen Bruhn, December 29, 1914—May 25, 1965. (Da) Denmark. Vet.—Landbohøjsk. Arsskr., 1965:251-252, 104 D414
- 17830 JEZEWSKI, J. Marian Goslawski—obituary. (Pol) Sylwan 110(5):89, 1966, 99.8 Sy52
- 17831 J. HARRIS Smith, Tennessee; busy conservationist reaps many honors in State. Soil Conserv. 32(4):92-93, Nov. 1966, 1.6 So38
- 17832 JOHNSON, G. I. Faculty profile: cereal chemist R. M. Sandstedt. Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):18-19, Summer 1966, 100 N27N
- 17833 KAISER, E. W. Hjalmar Ussing, March 13, 1874—December 29, 1965. (Da) Flora Fauna 72(3):85-89, Sept. 1966, 410 F662
Includes list of publications.
- 17834 KARPATI, Z. E. Geza Lengyel, 1884-1965. Acta Agron. [Budapest] 15(3/4):459-465, 1966, 19 Ac8
Includes list of publications.
- 17835 KIAER, E. Valdemar Termansen. (Da) Horticultura 20(8/9):128, Aug./Sept. 1966, 80 H7825
Necrology.

- 17836 K. M. NIELSEN, Roskilde will be 60 years old. (Da) Dansk Landbrug 85(9):268. Sept. 1966. 280,28 V91
- 17837 KECKES, S. In memory of Imre Ujhelyi. (Hu) Magyar Mezőgazdaság 21(38):7. Sept. 21, 1966. 19 M27
- 17838 KOBEL, F. The 80th birthday of Prof. Dr. Otto Morgenthaler. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(10):436-437. Oct. 1966. 424,8 Sch9
- 17839 KOEHLER, W. Prof. Dr. Ing. Jan Jerzy Karpinski—obituary. (Pol) Sylwan 110(6):77-82. 1966. 99,8 Sy52
- 17840 KOLLMANN, F. Dr. Kurt Kummer died. (Ge) Holz Roh- Werkstoff 24(9):405. Sept. 1966. 99,81 H74
- 17841 KOLLMANN, F. Karl Schwyer died. (Ge) Holz Roh- Werkstoff 24(9):405. Sept. 1966. 99,81 H74
- 17842 KOOPMANS, A. In memoriam Prof. Dr. M. J. Sirks. (Du) Vaktb. Biol. 46(9):173. Sept. 1966. 442,8 V22
- 17843 KUDLAC, E., HRIVNAK, J., and KOZUMPLIK, J. Life and works of Prof. [Emil] Pribyl. (Cz) Brno. Vysoka Sk. Zemel. Sp. Rada B, Spisy Fak. Vet. 1:3-18. 1966. 105,92 B833
German summary.
Includes list of publications.
- 17844 LANG, G. Jozsef Gyárfas 1875-1965. Acta Agron. [Budapest] 15(1/2):258-261. 1966. 19 Ac8
- 17845 LAURIDSEN, K. P. Svend Rasmussen, Bierregaard, born 11/16, 1896—died 4/19, 1965. (Da) Naesgaardsbogen 52:56-57. 1965. 104 N12N
- 17846 LAVRENKO, E. M., and ZALENSKI, O. V. Botanists-founders of Russian Botanical Society [Russkoe Botanicheskoe Obshchestvo]. (50th anniversary). (Rus) Bot. Zhur. [Moscow] 50 (12):1751-1768. Ref. Dec. 1965. 451 R923
I. P. Borodin, V. L. Komarov, V. N. Sukachev, N. A. Bush, E. F. Votchal, L. A. Ivanov, S. P. Kostychev, S. G. Navashin, G. A. Nadsan, V. I. Palladin, A. A. Rikhter, V. A. Transhel', A. S. Famintsyn, and A. V. Fomin.
- 17847 LIPSHITS, S. YU., and LEBEDEV, D. V. Fatikh Khafizovich Bakhteev (60th birthday anniversary). (Rus) Bot. Zhur. [Moscow] 50 (12):1777-1782. Dec. 1965. 451 R923
Includes list of publications.
- 17848 LUND, O. Marius Rohne died Tuesday, August 30, at the age of 83 1/2. (No) Gartneryrket 56(37):863. Sept. 9, 1966. 80 G1938
- 17849 LUNDBLAD, O., and ALMQUIST, E. Gosta Cedergren. 8/28 1888-11/16 1954. (Sw) Svensk Bot. Tidskr. 60(2):348-353. 1966. 450 Sv2
Includes list of publications.
- 17850 MAKKINGA, S. In memoriam P. J. Hilarides. (Du) Tijdschr. Diergeneesk. 91(16):1062-1063. Aug. 15, 1966. 41,8 T431
- 17851 MANDY, GY. Kurt Sedlmayr 1900-1965. (Hu) Acta Agron. [Budapest] 15(1/2):251-257. 1966. 19 Ac8
Includes list of publications.
- 17852 MANTEL, K. On the 100th birth anniversary of Hans Hausraath. (Ge) Allg. Forst- Jagdzeitung 137(10):244. Oct. 1966. 99,8 AL3
- 17853 MARTIN, G. P. R. Conrad Gesner. (Ge) Natur Mus. 95(12):483-491. Dec. 1965. 509 F856
- 17854 MARZ, H. Professor Dr. W. Bolz of Hohenheim is 65 years old. (Ge) Prakt. Tierarzt 47(9):472. Sept. 1, 1966. 41,8 P882
- 17855 MATUSZ, S. Recollections about the late Kazimierz Zygmunt Suchecki. (Pol) Sylwan 109(6):77-80. 1965. 99,8 Sy52
- 17856 MATVIENKO, A. M. Aleksandr Arkad'evich Korshikov (75th birthday anniversary 1889-1965). (Rus) Bot. Zhur. [Moscow] 50(12):1772-1776. Dec. 1965. 451 R923
Includes list of publications.
- 17857 MAUNDER, E. R., and FRY, A. The Dana years. I. Amer. Forests 72(11):32-35, 62, 64. 66. Nov. 1966. 99,8 F762
An interview with Samuel Trask Dana, covering his life and activities.
- 17858 MAYR, A. Prof. Dr. Erich Traub is 60 years old. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(16):323-324. Aug. 15, 1966. 41,8 B45
- 17859 MEET the State Statistician: Henry Rasor. Agr. Situation [Washington] 50(8):14. Aug. 1966. 1 Ec7Ag
- 17860 MERESINSKI, C. Recollections about the late Boleslaw Swiecicki. (Pol) Sylwan 110(1):81. 1966. 99,8 Sy52
- 17861 MERESINSKI, C., and WITOWSKI, J. Stanislaw Lisiecki—obituary. (Pol) Sylwan 110(5):90-91. 1966. 99,8 Sy52
- 17862 METCALFE, C. R. Prof. P. Maheshwari. Nature [London] 211(5051):804. Aug. 20, 1966. 472 N21
- 17863 MEYER. General veterinarian A. D. Dr. H. Mollmann of Uelzen is 75 years old. (Ge) Tierarztl. Umsch. 21(8):418, 421. Aug. 1, 1966. 41,8 T445
- 17864 M. F. HULIJ (60th birthday anniversary). (Ukr) Ukr. Biokhim. Zhur. 37(3):472-474. 1965. 385 Uk72
- 17865 MIKHOVYCH, A. H. Prominent scientist in forestry. (Ukr) Visnyk Sil's'kohospodar. Nauk. 5:121-122. May 1965. 20 V82
S. S. Pyatnyts'kyi.
- 17866 MILKOVSKI, I. Academician Prof. Dr. Kiril Pavlov (1899-1965). (Bu) Rastenievudni Nauk. 2(10):I-IV. 1965. 64,8 R18
- 17867 MOLLER, C. M. Just Valdemar Ulrich Holten born 2/9, 1894 died 11/28, 1965. (Da) Dansk Skovfor. Tidsskr. 51(4):267-272. Apr. 1966. 99,8 D23
- 17868 MYRANN, P. Lars Undeland will be 75 years old. (No) Gartneryrket 56(43):975. Oct. 21, 1966. 80 G1938
- 17869 NAUMOVA, N. A., GORTSEV'S'KIY, S. A., and SHCHEHLOV, O. M. Professor N. H. Tolstova-Pariys'ka. (Ukr) Visnyk Sil's'kohospodar. Nauk. 8:124. Aug. 1965. 20 V82
- 17870 NECROLOGY—Juan Bages Tarrida. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(255):539. Sept. 1965. 41,9 C67
- 17871 NIELSEN, G. In memoriam H. P. Askegaard, 10.13, 1895-7.19, 1966. (Da) Danske Dyrlægefor. Medlemsbl. 49(19):832. Oct. 1, 1966. 41,9 D23
- 17872 PAUL B. Curtis. Ind. Agr. Exp. Sta. Insp. Rep. 61:38. May 1966. 280,39 In22
- 17873 PTERYBURGSKII, A. V. Anniversary of D. N. Pryanishnikov. (Rus) Agrokhiimiya 11:3-16. Nov. 1965. 385 Ag89
- 17874 PROF. Dr. Jose Maria Albareda Herrera. (Sp) An. Edafol. Agrobiol. 25(3/4):113-130. Mar./Apr. 1966. 506 Sp12
Includes list of publications.
- 17875 PROF. Dr. A. Orth of Kiel died. (Ge) Tierzucht 18(20):721. Oct. 20, 1966. 49 T445
- 17876 PROFESSOR K. A. Bondorff will be 75 years old. (Da) Dansk Landbrug 85(9):267-268. Sept. 1966. 280,28 V91
- 17877 RAITHELHUBER, E. Honoring F. G. Keller, inventor of mechanical wood pulp. (Ge) Papier 20(8):508-509. Aug. 1966. 302,8 P1934
- 17878 REMPT, D., and POSTMA, K. P. In memoriam F. J. A. Bruins. (Du) Tijdschr. Diergeneesk. 91(15):992-994. Aug. 1, 1966. 41,8 T431
- 17879 RETIREMENT of A. Bruggen. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(9):401-403. Sept. 1966. 424,8 Sch9
- 17880 RIERA, S. In memoriam—Juan Planas Ruhi. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22 (256):609-610. Oct. 1965. 41,9 C67
- 17881 ROMANOV, I. D. Elena Nikolaevna Gerasimova-Navashina (to her 60th birthday). (Rus) Bot. Zhur. [Moscow] 51(9):1366-1368. Sept. 1966. 451 R923
- 17882 SABATES MALIA, A., and SALARICH, J. A veterinarian has died—Dr. Leandro Cervera Astor. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(251):287-296. May 1965. 41,9 C67
- 17883 SAM TSUKAMOTO, California; Japanese-American serves his neighbors and district. Soil Conserv. 32(3):69. Oct. 1966. 1,6 So3S

- 17884 SAZANOV, V. I. D. N. Pryanishnikov and two remarkable dates (personal reminiscences). (Rus) Agrokhiimiya 11:89-91. Nov. 1965. 385 Ag89
- 17885 SCHMIDT-TREPTOW. In memoriam Dr. med. vet. Johannes Heldsdorfer. (Ge) Prakt Tierarz. 47(9):472-475. Sept. 1, 1966. 41.8 P882
- 17886 SCHLEICHER, H. Chief state forestry councilor Georg Greiss is 60 years old. (Ge) Forst- tech. Inform. 9:72. Sept. 1966. 99.8 F7794
- 17887 SCHMITZ, S. Conrad Gesner. (Ge) Kosmos 62(3):69-91. Mar. 1966. 474 K842
- 17888 SCHONNOPP. On the 80th birthday of Professor Dr.-Ing. Theodor Oehler. (Ge) Z. Kulturtech. Flurbereinigung 7(3):173. May/June 1966. S605.A124
- 17889 SCHREIBER, M. Prof. Dr. Werner Schmidt is 70 years old. (Ge) Centralbl. Gesamte Forst- wesen 83(3):177-178. Sept. 1966. 99.8 C33
- 17890 SCHWARTZ, E. On the 150th birth anniversary of Carl Grebe. (Ge) Sozialistische Forst- wirtsch. 16(7):222-223. July 1966. 99.8 W143
- 17891 70th ANNIVERSARY OF V. F. Smirnov. (Rus) Sadovodstvo 9:44. Sept. 1966. 80 Sal3
- 17892 THE 60TH anniversary of Professor N. A. Shmanenkov. (Rus) Zhivotnovodstvo 8:92. Aug. 1966. 49 Z6
- 17893 60th BIRTHDAY anniversary and 40th scientific activity anniversary of corresponding member of Ukrainian Academy of Sciences, Mykola M. Pidoplichko. (Uk) Mikrobiol. Zhur. 26(4):95-97. 1964. 448.3 K54
- 17894 60 years old. (Da) Naesgaardsbogen 52:27-28. 1965. 104 N12N
- 17895 Einar Ebbesen.
- 17895 SOCKEL, J. Dr. Robert Zander an active horticulturist for forty years. (Ge) Landesver- band Gartenbau Landwirt. Berlin. Mitteilungsbl. 17(10):17. Oct. 1966. 85 L233
- 17896 STEELE-BODGER, A., and WRIGHT, A. J. Dr. W. R. Woodbridge. Vet. Rec. 79(11):314-317. Sept. 10, 1966. 41.8 V841
- 17897 STENBERG, H. K. T. Jutila in memoriam. (Fi) Suomen Eläinlääkärilehti 72(8):273. Aug. 1966. 41.8 F49
- 17898 SUNKE, K. In memoriam Jorgen Larsen. 12/20, 1894-7/14, 1966. Danske Dyrægefor. Medlemsbl. 49(17):739. Sept. 1, 1966. 41.9 D23
- 17899 SVEN Ljung will be 50 years old. (Sw) Skand. Kreatursforsaksringsbladet. Manadsbl. 43(9/10):100. 1965. 49.9 Sk1
- 17900 SVERRE Alvsaker will be 60 years old. (No) Meieriposten 55(39):851-852. Oct. 1, 1966. 44.8 M47
- 17901 SVERRE Stenersen will be 60 years old. (No) Meieriposten 55(39):851. Oct. 1, 1966. 44.8 M47
- 17902 SZAFER, W., and SZYMANSKI, B. Stanislaw Sokolowski, professor of Jagiellonian Univer- sity (1865-1942). (Pol) Sylwan 109(6):1-20. 1965. 99.8 Sy52
- 17903 Includes list of publications.
- 17903 THIES, and GREEN. Chief district veterinar- ian Dr. Heinrich Schlichting is 65 years old. (Ge) Deut. Tierarz. 14(8):391. Aug. 5, 1966. 41.8 D484
- 17904 TILLER, L. W. J. K. Dixon. Nature [London] 211(5055):1240. Sept. 17, 1966. 472 N21
- 17905 TYMINSKI, M. Recollections about the late Franciszek Grychowski. (Pol) Sylwan 109(4): 71-72. 1965. 99.8 Sy52
- 17906 UGAROV, A. 70th anniversary of Academician A. N. Karpenko. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:129-130. Aug. 1966. 20 V633
- 17907 ULBRICH, F. Prof. Dr. Herbert Haupt is 80 years old. (Ge) Deut. Tierarz. 14(8):358. Aug. 5, 1966. 41.8 D484
- 17908 VASILEVSKAYA, V. K., SAVCHENKO, M. I., and YAKOVLEV, M. S. Ekaterina Aleksandrov- na Mokeeva (80th birthday anniversary). (Rus) Bot. Zhur. [Moscow] 50(12):1769-1771. Dec. 1965. 451 R923
- 17909 Includes list of publications.
- 17909 VERKSLE, YU. F. 70th anniversary of Aca- demician S. G. Kolesnev. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:128-129. Aug. 1966. 20 V633
- 17910 VETERINARIAN general Dr. Hanns Mollmann is 75 years old. (Ge) Deut. Tierarz. 14(8): 388. Aug. 5, 1966. 41.8 D484
- 17911 VETERINARIANS on postage stamps: J. I. Pesina. (Pol) Med. Weter. 22(6):384. June 1966. 41.8 M463
- 17912 VILLA SANCHEZ, A. Necrology—Ildefonso Baucells Coll. (Sp) Col. Ofic. Vet. Prov. Bar- celona. An. 22(257):667-669. Nov. 1965. 41.9 C67
- 17913 WALTER Reginald Worldridge, C.B.E. Brit. Vet. J. 122(9):416. Sept. 1966. 41.8 V643
- 17914 WEGNER, F. Adolf Bosse, practicing veteri- narian in Helmstedt died. (Ge) Deut. Tier- arz. 14(9):432-433. Sept. 5, 1966. 41.8 D484
- 17915 WILLIAM G. Raines, 1900-1965. Sugar J. 29 (3):34. Aug. 1965. 65.8 S08
- 17916 ZABKO-POTOPOWICZ, A. Alexander Polujan- ski (1814-1866). (Pol) Sylwan 110(5):19-26. 1966. 99.8 Sy52
- 17917 English summary.
Includes list of publications.
- 17917 ZUNICA, G. Examples to imitate—Giuseppe Verdecchia. (It) Nuovo Prog. Vet. 21(10):464, 466. May 31, 1966. 41.8 P942

HISTORY

- 17918 FEKETE-NAGY, A. Yield results from Trans- danubia in 1589. (Hu) Agrartortenet Szemle 7(2/3):245-247. Ref. 1965. 19 Ag85
- 17919 German summary.
- 17919 FUSSEL, G. E. Agricultural history writing in Great Britain. (Hu) Agrartortenet Szemle 7(2/3):359-373. Ref. 1965. 19 Ag85
- 17920 SANDOR, P. Investigation on the agrarian structure in the turn of the century. (Hu) Agrartortenet Szemle 7(2/3):177-197. Ref. 1965. 19 Ag85
- 17920 German summary.

HOME MANAGEMENT

- 17921 BARAGAR, A. "Brainy" burner or "burny" burner? Nebr. Univ. Coll. Agr. Home Econ. Quart. Serving Farm Ranch Home 13(2):23-24. Summer 1966. 100 N27N
- 17922 Stove.
- 17922 BLACK, J., and JORDAN, F. Homes change as children grow. N. C. Univ. Ext. Home Econ. 34,6 p.-folder. May 1966. 275.29 N811Hom
- 17923 BLACK, J. Picture panorama. 1. Selection. N. C. Univ. Ext. Home Econ. 37,6 p.-folder. June 1966. 275.29 N811Hom
- 17924 BLACK, J. Picture panorama. 2. Framing. N. C. Univ. Ext. Home Econ. 38,6 p.-folder. June 1966. 275.29 N811Hom
- 17925 BLACK, J. Picture panorama. 3. Placement. N. C. Univ. Ext. Home Econ. 39,6 p.-folder. June 1966. 275.29 N811Hom
- 17926 HINSON, T. Pots and pans for cooking. N. C. Univ. Ext. Home Econ. 32,2 p. Apr. 1966. 275.29 N811Hom
- 17927 KUNAU, E. Livable homes for busy families. Iowa Farm Sci. 21(4):8-10. Oct. 1966. 275.28 I094
- 17928 LAINE, L. M., LAMISON, M. F., and LUCKERT, G. M. A clean house agent's guide for training home economics program aides. U. S. D. A. PA-731.8 p. July 1966. 1 Ag84Pro
- 17929 SHEARIN, M. Caning. N. C. Univ. Ext. Home Econ. 35,3 p. May 1966. 275.29 N811Hom
- 17930 U. S. FEDERAL EXTENSION SERV. When to do house cleaning jobs. U. S. D. A. PA-734, 8 p. July 1966. 1 Ag84Pro
- 17931 VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Looking your best; Clothing Unit 1. Va. Polytech. Inst. Ext. Leaf. 18,rev.1 p. Aug. 1966. 275.29 V81L
- 17932 Grooming.
- 17932 VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Your best foot forward; treat your feet with care, they are priceless, they have a hard job. Va. Polytech. Inst. Ext. Leaf. 13,rev.2 p. Aug. 1966. 275.29 V81L
- 17932 Shoes.

INTERNATIONAL RELATIONS

- 17933 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Basic texts, Ed. 13, 1966, Volume 1. Rome, 1966. 170 p. 389.9 F735Cr
Text in English, French, and Spanish.
- 17934 SIDAK, R. N. Our friendship bears fruit for both people. (Ge) Deut. Bauernkongr. Überarb. Protokoll, 9th Congr.:194-197. 1966. 280.29 D482
Scientific and technical exchange in agriculture between U.S.S.R. and East Germany.
- 17946 GREAT BRITAIN. AGRICULTURAL RESEARCH COUNCIL. Report for the years 1963-65. London, 1965. 121 p. (Cmd. 9792) 10 G795
- 17947 INTERNATIONAL CONFERENCE ON THE ORGANIZATION OF RESEARCH AND TRAINING IN AFRICA IN RELATION TO THE STUDY, CONSERVATION AND UTILIZATION OF NATURAL RESOURCES, LAGOS, 1964. Scientific research in Africa; national policies, research institutions. Paris, United Nations Educational, Scientific and Cultural Organization, 1966. 214 p. Q180.A5153
Includes agricultural research.

METEOROLOGY

- 17935 DETHIER, B. E. Precipitation in New York State. N. Y. (Cornell) Agr. Exp. Sta. Bull. 1009,78 p.,map. July 1966. 100 N48C
- 17936 GEORG, J. G., and WALLIS, W. R. AGMET, an agricultural meteorological research station. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(3):5-7. July 1966. 100 F66Su
Lakeland offices of the U. S. Weather Bureau, in cooperation with the Florida Agricultural Experiment Stations, assembled the station; chiefly forecasting.
- 17937 GOL'TSBERG, I. A., ed. Mikroklimatologiya [Microclimatology]. Leningrad, Gidrometeorologicheskoe Izdatel'stvo, 1966. 129 p.,map. Ref. (Glavnaya Geofizicheskaya Observatoriya. Trudy, No. 190) QC989.U4C6
Chiefly agricultural.
- 17938 KNISEL, W. G. Rainfall frequency analysis for 1- to 15-day durations in the Blacklands of Texas. U. S. Agr. Res. Serv. ARS-41-106,13 p.,map. Ref. A56.9 R31
Texas Agricultural Experiment Station, cooperating.
- 17939 MUTCHLER, C. K. Waterdrop formation from capillary tubes. U. S. Agr. Res. Serv. ARS-41-107,12 p. July 1965. A56.9 R31
Minnesota Agricultural Experiment Station, cooperating.
For simulating rainfall in the laboratory.
- 17940 NOSE, R. The weather extreme in the period from April to September 1965. (Ge) Deut. Baumschule 18(3):67-72. Mar.1,1966. 80 D486
In connection with the plant growth period.
- 17941 PRIMAULT, B., and CATZEFLIS, J. The Valais climate. (Fr) Schweiz. Landwirt. Forsch. 5(5):248-267. 1966. 17 Sch99
English summary.
In relation to agriculture.

RESEARCH

- 17942 ARNHEM. INSTITUUT VOOR TOEGEPAST BIOLOGISCH ONDERZOEK IN DE NATUUR. ITBON [Institute for Biological Field Research], 1940-1965. Arnhem, Inst. Toegepast Biol. Onderz. Natuur. Mededel. 77,205 p. 423.92 C33
Includes agricultural research.
- 17943 CANADA. NATIONAL RESEARCH COUNCIL. Review 1966. Ottawa, 1966. 310 p. 330.9 C16Re
Agricultural research included.
- 17944 COPENHAGEN. VETERINAER- OG LAND-BOHOJSKOLEN. Årsskrift. Yearbook [of the Royal Veterinary and Agricultural College], 1966. Copenhagen, Denmark, 1966. 266 p. Ref. :C4 D41A
Text in English.
Agricultural research in Denmark.
- 17945 GOHEEN, G. E., and FISHER, C. H. Growth and dimensions of research in the United States. Chemist 43(11):367-375. Ref. Nov.1966. 381 C427
Federal Research and Development Program.
- 17946 NAUMOV, H. F., and ROYD, L. B. Experiment on application of data processing equipment in agricultural research. (Uk) Visnyk Sil's'koho hospodar. Nauk. 8:16-19. Aug.1965. 20 V82
Russian summary.
- 17952 NIKONOV, A. A. The Stavropol Research Institute of Agriculture [Stavropol'skii Nauchno-Issledovatel'skii Institut Sel'skogo Khozaystva] and the new Five-Year Plan. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 8:115-120. Aug. 1966. 20 V633
- 17953 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Annual progress report on research and technical work, 1965. Belfast, 1966. 229 p. 10 N81An
- 17954 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966. Sandy Land Research Station, Mangum, Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-549,18 p. Oct.1966. 100 Ok4M
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 17955 PARIS. ACADEMIE DES SCIENCES. Annuaire pour 1966. [Directory for 1966]. Paris, Gauthier-Villars, 1965. 277 p. 505 P21An
Includes agricultural research.
- 17956 PUNGOR, E. New development in flame photometry. (Hu) Budapest. Magyar Tud. Akad. Kem. Tud. Osztalyanak. Közlemenyek 25(1):59-75. Ref. 1966. 385 B853
Includes agriculture.
- 17957 ROTHAMSTED EXPERIMENTAL STATION. Report for 1965. Harpenden, 1966. 377 p.,map. Ref. 103 R74Ga
- 17958 TOMCSANYI, P. Economic relationships of the research work on branches of agriculture. (Hu) Kiserletugyi Közlemenyek 58/C(2):109-122. 1965, pub.1966. 105.9 H89
English summary.

STATISTICS

- 17959 BERRY, G., and others. Methods of recording data in the laboratory and field. Exp. Agr. 2(1): 69-80. Jan.1966. 10 Ex72
T. J. Cleaver, J. A. Neider, and P. J. Salter, joint authors.
Includes electronic computer.

NEW PERIODICALS AND SERIALS

- O AGRICULTOR. v.1, No. 11/12. Jan./Feb. 1966. Vitoria, Brazil, ACARES. S544.5.B7A3
- AKITU: transactions of the Kyoto Entomological Society. v.4. 1965. Kyoto, Kyoto Konchu Dokokai. QL461.A4
- ARGONNE NATIONAL LABORATORY. HEALTH DIV. GAMMA-RAY SPECTROSCOPY GROUP. Semiannual report, Jan./June 1964. 1965. Argonne, Illinois. RA1231.R2A7
- ASOCIACION NACIONAL DE INGENIEROS AGRONOMOS. Escalafon del cuerpo; destinos y direcciones. 1964, pub. 1965. Madrid. S15.A8
- BOLIVIA. SERV. AGRICOLA INTERAMERICANO. DIV. DE COMERCIALIZACION. Boletín. No.1. May 1965. La Paz. S15.B6
- BRITISH COLUMBIA. COMMITTEE TO STUDY FRUIT HANDLING EQUIPMENT. Report of Committee Activities. No.4. Sept. 1963-May 1964. Victoria. S695.B7
- CAFE. v.6, No.1. July/Oct. 1965. Lima. SB269.A1C3
- CAMPANA, ARGENTINE REPUBLIC. ESTACION EXPERIMENTAL AGROPECUARIA DELTA DEL PARANA. Boletín de divulgación. No.10. 1965. Campana. 102.5 C1522
- CHE-CHANG SHENG NUNG HSUEH HUI. Shung ts'un k'o' hshueh shih yen. No.1. Mar. 1966. Shang-hai. S19.C53
- CHINESE ACADEMY OF SCIENCES. INSTITUTE OF APPLIED CHEMISTRY. Chi k'ang (Collected papers). No.14. June 1965. Peking. 385 C446
- CHUNCHON NONGKWA TAEHAK. Yon'gu nonmunjip. Journal. v.1. July 1965. Chunchon-si. S19.C5
- CHUNG-KUO K'O' HSUEH YUAN. CHIH WU YEN CHIU SO, KUNMING. Yun-nan jo tai ya jo tai chih wu ch'u hsi yen chiu pao kao. No.1. Dec. 1965. Peking. QK355.C63
- CONGRESO DE MEDICINA VETERINARIA DE CENTRO AMERICA Y PANAMA. Documentos y trabajos. No.1. 1964. Panama. Asociacion Panamena de Medicos Veterinarios. SF605.C63
- CONVENIO DE COOPERACION TECNICA. Estadística agraria, Lima, 1964. Lima, 1965. HD1902.C6
- EL COOPERADOR Tico. v.11, No.123/124. Nov./Dec. 1965. San Jose, Banco Nacional de Costa Rica, Departamento Fomento de Cooperativas. HD3454.A2C6
- DOBUTSU IYAKUHN KENSAJO. Nempo. Annual report. No.4. 1965. SF705.A3
- EAST European science abstracts. v.1, No.1. Jan. 1965. London, Translation and Technical Information Services. TPI.E2
- EXPORT PROMOTION BUR. Fresh fruits. 1964. Karachi, Manager of Publications, Central Publications Branch. HD9256.P3A3
- GANADERIA, agricultura, comercio. v.94, No.2363. Feb.1, 1966. Buenos Aires. SF1.G3
- HORTSCIENCE. v.1, No.1. Winter 1966. St. Joseph, Michigan, American Society for Horticultural Science. SB1.H6
- HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Mészgazdasági adatok. No.1. 1966. Budapest. HD1940.H8A23
- IBARAKI-KEN, JAPAN. ENGEI SHIKENJO. Gaichu shiken seiseki, Kankyobu (Results of harmful insect research of the Dept. of Environment). No.39. 1965. Ami-machi. 423.92 I02
- ISTITUTO SUPERIORE DI SANITA. Annali. v.1. 1965. Roma. R65.I8
- INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Acuerdos, convenios y contratos. No.8. 1965. Turrialba. 281.9 I862A
- JAPAN. KOKKAL. Showa nendo ni oite ko jiyō to suru nogyō shisaku. 1966. Tokyo. HD2091.A3
- JOURNAL of materials. v.1. Mar. 1966. Philadelphia, American Society for Testing and Materials. TA410.A1J6
- KOREA (REPUBLIC). SALLINGUK. Imsan aekp'yo. 1964. Seoul. SD97.K8K63
- KOREA (REPUBLIC). SALLINGUK. Imya t'onggye. 1964. Seoul. SD97.K8K62
- KSIEGA stadna koni wielkopolskich. v.1. 1965. Warszawa, Panstwowe Wydawn. Rolnicze i Lesne. SF293.P6K7
- KYONGJE yon'gu (The study of economy). No.1(40). Mar. 1965. Pyongyang. 280.8 K993
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. Betriebsstatistische Erhebungen zur Lage des österreichischen Weinbaues. Bericht. 1954/55-1958, pub. 1959. Wien. HD9385.A0L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE BURGENLAND. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in Burgenland. 1961, pub. 1962. Eisenstadt. HD1940.B8L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE KÄRNTEN. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in Kärnten. 1961, pub. 1962. Klagenfurt. HD1940.C2L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE SALZBURG. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in Salzburg. 1961, pub. 1962. Salzburg. HD1490.S2L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE STEIERMARK. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in der Steiermark. 1961, pub. 1962. Graz. HD1940.S7L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE TIROL. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in Tirol. 1961, pub. 1962. Innsbruck. HD1490.T9L3
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES- BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE VORARLBERG. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben in Vorarlberg. 1961, pub. 1962. Bregenz. HD1940.V6L3
- MALAYSIA. DEPT. OF STATISTICS. Malaysia quarterly statistics of external trade; excluding trade between Singapore, Sabah, Sarawak and States of Malaya. July/Sept. 1964. Kuala Lumpur. HF240.M3A3
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY. Project Intrex; semiannual activity report. PR. Sept. 15, 1966. Cambridge. Z699.M3
- MASSACHUSETTS. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Food management program leaflet. No.8. 1963. 275.29 M381F00
- NIHON SANGYO KOZO KENKYUSHO. Chosa nempo. Annual survey. No.7. Mar. 1965. Tokyo. HC461.A1N5
- NONGRIM hunlyon charyo. No.1. Feb. 1966. Seoul, Nongmin Kongmu ui Kyoyukwon. S544.5.K8N6
- NORTH CAROLINA STATE UNIVERSITY. DEPT. OF AGRICULTURAL INFORMATION. Report. No.1. July 1956. Raleigh. S97.E2
- NOSEI CHOSA IIN-KAI. Taikei nogyo hyakka jiten. v.4. 1966. Tokyo. S411.N6
- OKINAWA SEIBUTSU GAKKAI. Shi. The biological magazine, Okinawa. v.1. July 1964. Naha. QH301.O4
- PERU. SERV. DE INVESTIGACION Y PROMOCION AGRARIA. Informe. No.3. Nov. 1961. Lima. S15.P4
- LA POLILLA. No.8. Nov. 1965. Medellín, Escuela Interamericana de Bibliotecología. Z671.P6
- PROGRESS in library science. 1965. London. Z671.P7

SANRIM poho. Monthly forestry review, forest protection. No.6. Sept.1965. Seoul, Taehan Sanrim Chohap Yonhaphoe. SD1.S3
SEKAI no kiito. No.206. June 1965. Yokohama, Nihon Kiito Yushutsu Kumi-ai. TS1640.S4
SHIMANE NOKA DAIGAKU. Kenkyu hokoku. Bulletin. No.14A. Dec.1965. Matsue. S539.J355
T'AI-WAN nung yeh chi k'an. Taiwan agriculture quarterly. v.2, No.1. Mar.1966. Nan-t'ou, T'ai-wan sheng cheng fu nung lin t'ing. S19.T3
UNIVERSIDAD NACIONAL DE SAN AGUSTIN. FACULTAD DE CIENCIAS ECONOMICAS Y COMERCIALES. Revista. No.2. 1964. Arequipa. HB9.U5

UNIVERSITY OF THE PHILIPPINES. LIBRARY. Philippine bibliography, 1963/64. 1965. Diliman. Z3292.U5
URNER BARRY PUBLICATIONS. Monthly price review. 1966. New York. HD9436.U5U73
U. S. OFF. OF SALINE WATER. Research and development progress report. No.144. 1965. Washington. TN7.U5
U. S. OFF. OF SALINE WATER. SALINE WATER CONVERSION DEMONSTRATION PLANT NO.1. FREEPORT. TEXAS. 4th annual report. No.171. 1966. Washington, U. S. Government Printing Office. TN7.U5
YOKOHAMA KIITO KENSAJO. Tokei chosa hokoku. 1964. HD9926.J3Y6

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

ALEXE, E. Continuing development of Rumanian agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 469:15-20. Aug.24,1966. (JPRS 37,192; TT 66-33621) 173 J663Ste
Translation from Sinteia 35(7043):1,3. July 17,1966.
Issued by CFSTI.

*ANISIMOV, A. A. Diurnal periodicity of the composition of labeled assimilates in connection with their translocation in plants. Soviet Plant Physiol. 12(5):820-823. Ref. Sept./Oct. 1965. 450 F58Ae

ANTONOV, S. The dairy industry and the new Five-Year-Plan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130: 80-87. Aug.24,1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from Molochnaya Promyshlennost' 5:1-5. 1966.
Issued by CFSTI.

*AVUNDZHYAN, E. S. Variation of the amino acid composition of the bleeding sap of plants during ontogenesis. Soviet Plant Physiol. 12 (5):813-815. Ref. Sept./Oct.1965. 450 F58Ae

*BASINSKI, A., and SKRAGA, J. Investigations on properties of tanning substances obtained from lignin derivatives. II. Ann. Chem. 1966: 170-181. Ref. 1966. 385 R59Ae

*BELIC, M. Contribution to the study of farrowing duration of pigs. J. Sci. Agr. Res. 18(59):99-106. 1965. 21.5 Y9Ae

*BILEVA, D. S. Studies of the genetic processes in irradiated populations dynamics of enumeration of irradiated populations. Acad. Sci. USSR. Dokl. Biol. Sci. 164(1/6):597-599. Sept./Oct.1965. 511 P444Aeb

BOEV, V. Better and more centralized system of procurement and sales of fruits and vegetables needed. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 143: 14-19. Oct.4,1966. (JPRS 37,996; TT 66-34423) 173 J663Tro

Translation from Ekonomicheskaya Gazeta 32:36. Aug.1966.
Issued by CFSTI.

BOLCATO, V., and PASQUINI, G. Research on lacto-mannitic ferments. VII. The yield of mannitol from some natural juices (beet, carob and grape). 6 p. (TT 65-12146) Transl. 16035
Translation from Industria Saccharifera Italiana 32:408-410. 1939.
Issued by CFSTI.

*BRITIKOV, E. A., VLADIMIRTEVA, S. V., and MUSATOVA, N. A. Transformation of proline in germinating pollen and pistil tissues. Soviet Plant Physiol. 12(6):839-850. Ref. Nov./Dec.1965. 450 F58Ae

BRZOSKO, W., GANCARZ, Z., and NOWO-SLAWSKI, A. Immunofluorescence in the serological diagnosis of Trichinella spiralis infection. Exp. Med. Microbiol. 17(4):354-365. Ref. 1965. 448.8 Ex7Ae
Translation from Medycyna Doswiadczalna i Mikrobiologia.

BUCHNER, P. Endosymbiosis of animals with plant microorganisms. Rev. 909 p. QH548.B83

Bibliography, p.839-889.
Translation of Endosymbiose der Tiere mit Pflanzlichen Mikroorganismen.

*BUNDEL', A. A., KRETOVICH, V. L., and PROKOSHEVA, G. A. Distribution of plant hydroxylamine reductase. Soviet Plant Physiol. 12(6):854-861. Ref. Nov./Dec.1965. 450 F58Ae

*BYSTROVA, M. I., UMRICHINA, A. A., and KRASNOVSKII, A. A. Photoreduction of protophyll and protopheophytin. Biochemistry (Biokhimiya) 31(1):69-76. Ref. Jan./Feb.1966. 385 B523Ae

*CHAILAKHYAN, M. KH. The life and scientific work of Professor D. A. Sabinin. Soviet Plant Physiol. 12(5):669-679. Sept./Oct.1965. 450 F58Ae

CHOU, L. S. Preliminary research on agricultural regions in the mixed agro-pastoral realm of Kansu and Tsinghai. 211 p. (JPRS 36,077; TT 66-32511) HC426.K3C5
Translation of Kan-ch'ing Nung mu Chiao ts'o Ti chun Nung yeh Ch'u hua Ch'u pu Yen chiu.
CFSTI: \$6.00.

*CHUDAKOVA, I. V., and BOCHAROVA-MESSNER, O. M. Changes in the functional and structural features of the wing muscles of the domestic cricket (Acheta domestica L.) in ontogenesis. Acad. Sci. USSR. Dokl. Biol. Sci. 164 (1/6):656-659. Sept./Oct.1965. 511 P444Aeb

DEBSKI, K. Continental hydrology. Volume II. Physics of water, atmospheric precipitation and evaporation. 606 p., map. Ref. p.584-594. GB661.D43

Translation of Hydrologia Kontynentalna. Czesc II. Fizyka Wody, Opady Atmosferyczne i Parowanie.
CFSTI: \$9.05.

DECKER, K., GRIES, F. A., and BRUHMULER, M. Decomposition of nicotine by bacteria enzymes. III. Metabolism studies on cell-free extracts. 25 p. Ref. Transl. 16062

Translation from Hoppe-Seyler's Zeitschrift fur Physiologische Chemie 323:249-263. 1961.

DECKER, K., and others. On the degradation of nicotine by bacterial enzymes. IV. L-6-hydroxy-nicotine as the first intermediate. 31 p. Ref. Transl. 16063

H. Eberwein, F. A. Gries, and M. Bruhmüller, joint authors.

Translation from *Biochemische Zeitschrift* 334:227-244. 1961.

DELVAUX, P. Sugar silos. 15 p. Ref. (TT 63-16351) Transl. 16040

Translation from *Sucrerie Belge* 76:225-251. 1956/57.

Issued by CFSTI.

*DOBRÉTSOVA, T. B., LUTKOV, A. N., and MANZHOS, A. M. Spontaneous polyloid and haploid forms of twin sugar beet plants. *Acad. Sci. USSR, Dokl. Biol. Sci.* 164(1/6):603-606. Ref. Sept./Oct. 1965. 511 P444Aeb

DRACHENFELS, H. J. VON, KLEINERT, J., and HANSEN, E. New knowledge in the field of fat bloom prevention. 2 p. (TT 63-20122) Transl. 16042

Translation from *Naturwissenschaften* 49(15):350-351. 1962.

Issued by CFSTI.

*DUBININA, I. M. On the problem of nitrate respiration of plant roots in the absence of sufficient oxygen in the nutrient medium. *Soviet Plant Physiol.* 12(6):862-870. Ref. Nov./Dec. 1965. 450 F58Ae

*ERMAKOV, I. P. A cytochemical method for the determination of histones with fast green. *Soviet Plant Physiol.* 12(5):824-825. Sept./Oct. 1965. 450 F58Ae

*ERSHOV, F. I., and ZHDANOV, V. M. The effect of PPLO on interferon production by infected cells. *Acad. Sci. USSR, Dokl. Biol. Sci.* 164(1/6):634-635. Sept./Oct. 1965. 511 P444Aeb

*FALUDI-DANIEL, A., and others. Content of free amino acids and protein amino acids in normal and chloroplast-mutant corn leaves. *Soviet Plant Physiol.* 12(5):762-766. Ref. Sept./Oct. 1965. 450 F58Ae

M. Kunkhalmi, A. Khafiek, and I. D'uryan, joint authors.

*FEOKTISTOVA, O. I. A study of the seasonal periodicity of *Chlorella* development relative to cultivation conditions. *Soviet Plant Physiol.* 12(5):777-781. Ref. Sept./Oct. 1965. 450 F58Ae

*FULGA, I. G. Determination of leaf area of fruit trees. *Soviet Plant Physiol.* 12(6):973-976. Ref. Nov./Dec. 1965. 450 F58Ae

GIBOR, M. Z. Export of Polish farm machinery. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 291:4 p. Aug. 29, 1966. (JPRS 37,311; TT 66-33740) 173 J663Tree

Translation from *Mechanizacja Rolnictwa* 3:12-13. May 1966.

CFSTI. \$1.00.

*GODNEV, T. N., and LIPSKAYA, G. A. Accumulation of chlorophyll in the chloroplasts of the sugar beet under the action of cobalt, molybdenum, and zinc. *Soviet Plant Physiol.* 12(6):891-894. Nov./Dec. 1965. 450 F58Ae

GORDON, L. K., and others. Effect of the space flight conditions in Vostok-3 on seeds of higher plants. 6 p. (TT 63-24260) Transl. 15493

N. L. Delone, V. V. Antipov, and V. G. Vysotskii, joint authors.

Translation from *Kosmicheskie Issledovaniya* 1(1):326-331. 1963.

Issued by CFSTI.

HEGNAUER, R. Formation of types in nature and its significance in pharmacological diagnosis. 10 p. Ref. Transl. 16068

Translation from *Pharmazeutische Zeitung* 104(15):382-385. 1959.

ITYEVLEV, A. Concentration of wholesale trade in rural areas. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 134:10-16. Sept. 6, 1966. (JPRS 37,445; TT 66-33673) 173 J663Tro

Translation from *Ekonomika Sovetskoi Ukrainy* 3:47-50. Mar. 1966.

Issued by CFSTI.

JUUL, F. Studies of the blackening of potatoes after cooking. 5 p. (TT 62-16166) Transl. 16051

No source of translation given.

*KANANADZE, I. S. Sterility of bamboo. *Acad. Sci. USSR, Dokl. Biol. Sci.* 163(1/6):566-569. Sept./Oct. 1965. 511 P444Aeb

*KARYAKIN, A. V., and CHMUTINA, L. A. Investigation of the interaction of chlorophyll (a-b) with glycine at various pH values. *Biochemistry (Biokhimiya)* 31(1):1-4. Ref. Jan./Feb. 1966. 355 B523Ae

*KIRICHENKO, E. B. Incorporation of S^{35} into the chloroplast protein during the reduction of sulfates in photosynthesizing tissue. *Soviet Plant Physiol.* 12(5):758-761. Ref. Sept./Oct. 1965. 450 F58Ae

KLIMENKO, B. Urgent tasks for the development of cheese making. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:66-76. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro

Translation from *Molochnaya Promyshlennost'* 6:6-10. June 1966.

Issued by CFSTI.

KLIMOV, A. Performance and prospect in rural trade. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 140:1-8. Sept. 27, 1966. (JPRS 37,843; TT 66-34271) 173 J663Tro

Translation from *Ekonomicheskaya Gazeta* 31:19-20. Aug. 1966.

Issued by CFSTI.

*KOLOSHA, O. I. Peculiarities of the carbohydrate and nitrogen metabolism of frost-resistant varieties of wheat and rye. *Soviet Plant Physiol.* 12(6):935-939. Ref. Nov./Dec. 1965. 450 F58Ae

KOKETSU, R., SHIOMI, T., and ARIGA, Y. Relations between transpiration, absorption of inorganic matter and accumulation of ash in plants. I. In case of different degrees in insolation. 27 p. Transl. 16075

Translation from *Kyushu University. Botanical Section. Achievement* 87.

*KOROBIN, A. I., and VOROB'EV, V. A. Effect of low soil temperatures at the beginning of vegetation on nitrogen fixation by feed bean plants as a function of the dose of nitrogen fertilizers. *Soviet Plant Physiol.* 12(6):953-955. Ref. Nov./Dec. 1965. 450 F58Ae

*KRASIL'NIKOV, N. A., and others. Flagellum-like outgrowths in *Azotobacter*. *Acad. Sci. USSR, Dokl. Biol. Sci.* 164(1/6):630-633. Sept./Oct. 1965. 511 P444Aeb

E. V. Boltanskaya, A. A. Sokolov, and Z. Melkonyan, joint authors.

*KREMNINA, A. N., and PRONIN, V. A. Root excretions of corn and their effect on certain aspects of the vital activity of soybean plants. *Soviet Plant Physiol.* 12(5):741-747. Ref. Sept./Oct. 1965. 450 F58Ae

*KUBAREV, P. I. Differences between male and female corn inflorescences with respect to nucleic acids. *Soviet Plant Physiol.* 12(6):851-853. Ref. Nov./Dec. 1965. 450 F58Ae

*KUZIN, P. S. Effect of agrotechnical practices on river flow. *Soviet Hydrol. Selec. Pap.* 5:450-463. Ref. 1965. 292.8 So8

*KULAEVA, O. N., and others. Synthesis and testing of the physiological activity of certain compounds of the kinin series. *Soviet Plant Physiol.* 12(5):789-794. Ref. Sept./Oct. 1965. 450 F58Ae

E. A. Chernyshev, L. A. Kayutenko, M. E. Dolgaya, I. P. Vorob'eva, E. A. Popova, and N. L. Kiyachko, joint authors.

*LAPTEV, I. Rates and proportions in the development of industry and agriculture. *Dev. Econ. [N. Y.]* 9(1):23-33. May 1966. 280.8 V89Ae

*LAZAREV, I. Z., and POLUSHKINA, V. S. On the possibility of stimulating and inhibiting germination of potato tubers by power-frequency electric field. *Soviet Plant Physiol.* 12(6):956-960. Ref. Nov./Dec. 1965. 450 F58Ae

- LEPESHKIN, I. P., and P'YANKOV, G. A. Sugar production in the USSR during the Seven-Year-Plan 1958-1965. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:88-96. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from Sakhar'naya Promyshlennost' 6:1-6. 1966.
Issued by CFSTI.
- LEPESME, P. Concerning possible utilization of calcined magnesite in the production of grains against weevils [Calandra granaria and C. oryzae]. 4 p. (TT 64-16705) Transl. 15981
Translation from Academie d'Agriculture de France. Comptes Rendus 24:669-672. 1938.
Issued by CFSTI.
- *LESHKOVITSEVA, I. I., and MININA, E. G. Cytochemical study of male sporogenous cells of the balsam poplar in connection with problems of sexualization. Soviet Plant Physiol. 12(5):727-730. Ref. Sept./Oct. 1965. 450 F58Ae
- *MATSKOV, F. F., MANZUK, S. G., and ZAKREVSKEYA, L. E. B vitamins in the grain of hybrids and self-pollinated lines of maize. Soviet Plant Physiol. 12(6):901-903. Nov./Dec. 1965. 450 F58Ae
- MESZAROS, J. Twenty years of struggle against contagious animal disease as reflected in the Hungarian professional literature. 25 p. (JPRS 36,671; TT 66-33102) Transl. 16136
Translation from Magyar Allatorvosok Lapja 1:1-12. Jan. 1966.
CFSTI: \$2.00.
- *MGAL', N. D. Water evaporation and the viability of hemp pollen. Soviet Plant Physiol. 12(6):961-962. Ref. Nov./Dec. 1965. 450 F58Ae
- *MOLOTKOVSKII, YU. G., and ZHESTKOVA, I. M. Morphological and functional changes induced by oleate in isolated chloroplasts. Soviet Plant Physiol. 12(6):895-900. Ref. Nov./Dec. 1965. 450 F58Ae
- *MOSZEJ, J., and WACHALEWSKI, T. Regulators of plant growth. Benzyl derivative of 1-naphthylacetic acid. Ann. Chem. 1966:161-169. 385 R52Ae
- MUROMTSEV, G. S. Comparative physiological activity of gibberellins and the relation between the activity and structure of the molecule. 22 p. Ref. (JPRS 26,841; TT 64-51098) Transl. 14571
Translation from Uspekhi Sovremennoi Biologii 57(3):447-492. 1964.
CFSTI: \$1.00.
- MUSAJEV, E. YU., and AKHUNDZADE, A. I. The effect of a growth stimulant of petroleum origin on the growth and development of chicks 30 to 60 days old. 5 p. Transl. 15236
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Doklady 20(1):69-73. 1964.
- *MUSH, N. N. Accumulation and evaporation of essential oil by certain volatile oil plants. Soviet Plant Physiol. 12(6):945-949. Ref. Nov./Dec. 1965. 450 F58Ae
- *NEZGOVOROV, L. A., and SOLOV'EV, A. K. Increasing the field cold resistance of corn by treating the seeds with an increased dose of TMTD. Soviet Plant Physiol. 12(6):953-972. Ref. Nov./Dec. 1965. 450 F58Ae
- *NIKITENKO, G. F., and NESTERENKO, L. M. Certain problems of the biology of barley flowering. Acad. Sci. USSR. Dokl. Biol. Sci. 164(1/6):607-609. Ref. Sept./Oct. 1965. 511 P444Aeb
- NIKULICHEV, P. New instructions for the production of butter. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:77-79. Aug. 24, 1966. (JPRS 37,173; TT 66-33602) 173 J663Tro
Translation from Moloch'naya Promyshlennost' 6:39-40. June 1966.
Issued by CFSTI.
- *NOVITSKAYA, G. V., KAVERINA, A. V., and VERESHCHAGIN, A. G. Composition of linseed oil triglycerides. Biochemistry (Biokhimiya) 30(6):1079-1085. Ref. Nov./Dec. 1965. 385 B523Ae
- *OVSYANNIKOV, A. S. A procedure for evaluating the photosynthetic activity of the leaf apparatus of apple trees in relation to yield. Soviet Plant Physiol. 12(5):826-831. Ref. Sept./Oct. 1965. 450 F58Ae
- *PAKHOMOVA, M. V., ZAITSEVA, G. N., and AL'BITSKAYA, O. N. A study of acid-soluble phosphorus compounds in the green alga Chlorella vulgaris in relation to the rate of cell division and the nitrogen source. Biochemistry (Biokhimiya) 30(6):1034-1040. Ref. Nov./Dec. 1965. 385 B523Ae
- *PAVLOTSKAYA, F. I., TYURYUKANOVA, E. B., and BLOKHINA, M. I. Determination of exchangeable calcium and strontium in soil. J. Anal. Chem. USSR 21(2):138-143. Ref. Feb. 1966. 385 Z65Ae
- POLITIS, J. A new method for the microchemical localization of chlorogenic acid and tannins in plants. 3 p. Transl. 16253
Translation from Academie d'Agriculture de France. Comptes Rendus 225:954-956. Nov. 17, 1947.
- *POPOV, V. R. The oxidative enzymes of tea. Biochemistry (Biokhimiya) 30(6):976-979. Ref. Nov./Dec. 1965. 385 B523Ae
- *RAKITINA, Z. G. The permeability of ice for O₂ and CO₂ in connection with a study of the reasons for winter cereal mortality under the ice crust. Soviet Plant Physiol. 12(5):795-803. Ref. Sept./Oct. 1965. 450 F58Ae
- *RAJNER, E. I., and UKHINA, S. F. Some peculiarities of the metabolism of nitrogenous substances in the roots of various plants as illustrated by their assimilation of exogenous amino acids. Soviet Plant Physiol. 12(5):712-720. Ref. Sept./Oct. 1965. 450 F58Ae
- *ROMANCHENKO, G. Problems of accumulation and consumption in collective farms. Probl. Econ. [N. Y.] 9(3):3-14. July 1966. 280,8 V89Ae
- RZAYEV, K. R. Refrigerating industry of the Azerbaydzhan SSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 130:97-99. Aug. 24, 1966. 173 J663Tro
Translation from Kholodifayna Tekhnika 5:33. May 1966.
Issued by CFSTI.
- *SAENKO, G. N., ZARIN, V. E., and BOICHENKO, E. A. Formation of photosynthetic peroxide during reduction of carbon dioxide in plant leaves. Soviet Plant Physiol. 12(6):877-883. Ref. Nov./Dec. 1965. 450 F58Ae
- *SAMTSEVICH, S. A. Active excretions of plant roots and their significance. Soviet Plant Physiol. 12(5):731-740. Ref. Sept./Oct. 1965. 450 F58Ae
- SARKISYAN, G. Bringing the standard of living of the workers and kolhoz members closer together. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 131:6-18. Sept. 20, 1966. (JPRS 37,738; TT 66-34166) 173 J663Tou
Translation from Voprosy Ekonomiki 6:73-81. June 1966.
Issued by CFSTI.
- *SAUSHKIN, YU. G. A history of Soviet economic geography. Soviet Geogr. Rev. Transl. 7(8), 104 p. Oct. 1966. 331,8 S08
- *SHAN'GINA, Z. I. Influence of 2,4-D on the outflow of carbohydrates from tomato leaves. Soviet Plant Physiol. 12(6):912-917. Ref. Nov./Dec. 1965. 450 F58Ae
- *SHCHUKINA, A. I. Drought and attendant changes in the water system of corn. Soviet Plant Physiol. 12(6):940-944. Ref. Nov./Dec. 1965. 450 F58Ae
- *SHKOL'NIK, M. YA., TROITSKAYA, E. A., and MAEVSKAYA, A. V. Morphological changes in the sunflower due to boron deficiency reproduced with the aid of 8-azaguanine. Soviet Plant Physiol. 12(5):767-776. Ref. Sept./Oct. 1965. 450 F58Ae
- *SHKOL'NIK, R. YA., and others. Insoluble products of photosynthesis of a synchronous culture of Chlorella pyrenoidosa at various stages of its development. Soviet Plant Physiol. 12(6):884-890. Nov./Dec. 1965. 450 F58Ae
- N. G. Doman, K. S. Spektorov, and E. A. Lin'kova, joint authors.

- *SHKVARNIKOV, P. K., KULIK, M. I., and SAFONOVA, V. T. Relative mutagenic effectiveness of certain chemical compounds on plants. Acad. Sci. USSR, Dokl. Biol. Sci. 164(1/6):611-613. Ref. Sept./Oct. 1965. 511 P444Aeb
- *SHUSTOVA, A. P. Effect of light conditions on the growth, development, and yield of buckwheat. Soviet Plant Physiol. 12(5):782-788. Ref. Sept./Oct. 1965. 450 F58Ae
- *SHVEBS, A. V. Techniques of forecasting soil moisture supplies for individual farms. Soviet Hydrol. Selec. Pap. 5:482-489. Ref. 1965. 292.8 S08
- STANESCU, I. Utilization of production funds at agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 469:1-14. Aug. 24, 1966. (JPRS 37,192; TT 66-33621) 173 J663Ste
Translation from Probleme Economice 19(5): 65-76. May 1966.
Issued by CFSTI.
- *STREKOVA, V. YU., and others. Some physiological and cytological changes in germinating seeds in a constant magnetic field. I. The effect of a non-uniform magnetic field of low intensity. Soviet Plant Physiol. 12(5):804-812. Ref. Sept./Oct. 1965. 450 F58Ae
G. A. Tarakanova, V. P. Prudnikova, and Yu. I. Novitskii, joint authors.
- *SUBBOTIN, A. I. The use of observation on small representative catchments for computing and forecasting streamflow. Soviet Hydrol. Selec. Pap. 5:490-494. 1965. 292.8 S08
- *SVIDERKII, V. L. Activity of single neurons of the thoracic ganglion of the Asiatic locust (*Locusta migratoria*). Acad. Sci. USSR, Dokl. Biol. Sci. 164(1/6):670-673. Ref. Sept./Oct. 1965. 511 P444Aeb
- *TAGEEVA, S. V., and others. Elements of the mechanism of cytoplasmic structure mobility in plant cells. Soviet Plant Physiol. 12(5):748-757. Ref. Sept./Oct. 1965. 450 F58Ae
E. N. Kazantsev, M. G. Tairbekov, and V. S. Korshunova, joint authors.
- *TAIRBEKOV, M. G., KAZANTSEV, E. N., and TAGEEVA, S. V. Synthesis and decomposition of ATP as a function of the streaming of the cytoplasm in the plant cell. Biochemistry (Biokhimiya) 30(6):1099-1105. Ref. Nov./Dec. 1965. 385 B523Ae
- *TARAKANOVA, G. A., and others. Some physiological and cytological changes in germinating seeds in a constant magnetic field. II. The effect of a uniform magnetic field of low intensity. Soviet Plant Physiol. 12(6):904-911. Ref. Nov./Dec. 1965. 450 F58Ae
V. Yu. Strekova, V. P. Prudnikova, and Yu. I. Novitskii, joint authors.
- *TERENT'EV, A. P., and others. Use of poly-metallic ores and their products as algicides. Acad. Sci. USSR, Dokl. Biol. Sci. 164(1/6):627-629. Ref. Sept./Oct. 1965. 511 P444Aeb
N. S. Stroganov, E. G. Rukhadze, and V. G. Khobot'ev, joint authors.
- TOMONAGA, T., and KUROKAWA, H. New facts on rice root nematode [*Hirshimaniella oryzae*]. 10 p. Ref. Transl. 16152
Translation from Hokuriku Association for Plant Protection. Proceedings 12:74-76. Nov. 1964.
- TRNKÁ, M. International experiments with winter rye and oats in the CSSR. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 471:31-42. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Ste
Translation from Mezinárodní Zemedelský Casopis 2:17-21. 1966.
Issued by CFSTI.
- TRUB, C. L. P., and POSCH, J. Public health supervision of the ice cream business and ice cream plants as well as of mobile selling of food and condiments, including tobacco products. 11 p. Transl. 16089
Translation from Deutsche Lebensmittel-Rundschau 57(3):57-60. Mar. 1961.
- *TRUBETSKOVA, G. M. Root system of plants as the organs for supplying the above-ground organs with nutrients and water. Soviet Plant Physiol. 12(5):680-686. Ref. Sept./Oct. 1965. 450 F58Ae
TSE, C. C., and SHIUE, Y. S. Evaluation of various interplanting systems with sugar cane F 146. Taiwan Sugar 13(2):12-20. Mar./Apr. 1966. 65.8 T133
Translation from Taiwan Sugar Experiment Station. Report 38, April 1965.
- *TUEVA, O. F. The cycle of mineral substances in plants (as illustrated by nitrogen and phosphorus). Soviet Plant Physiol. 12(5):687-695. Sept./Oct. 1965. 450 F58Ae
- *TUICHBAEV, M., and KRUZHLIN, A. S. Translocation of labeled assimilates from individual cotton leaves. Soviet Plant Physiol. 12(6):918-922. Ref. Nov./Dec. 1965. 450 F58Ae
- *TURKOVA, N. S., VASIL'eva, L. N., and CHEREMUKHINA, L. F. On the physiology of bending of leaves and stems. Soviet Plant Physiol. 12(5):721-726. Ref. Sept./Oct. 1965. 450 F58Ae
- *TYUTYUNNIKOV, A. I., and KREMNNIA, A. N. Features of the movement of water among plants through their root systems. Soviet Plant Physiol. 12(6):923-927. Nov./Dec. 1965. 450 F58Ae
- *UDOVENKO, G. V. On the relative rate of synthesis of amino acids in plant leaves. Soviet Plant Physiol. 12(5):816-819. Sept./Oct. 1965. 450 F58Ae
- *VAKHMISTROV, D. B. On the magnitude of the "apparent free space" of plant roots. Soviet Plant Physiol. 12(5):705-711. Ref. Sept./Oct. 1965. 450 F58Ae
- *VASILENKO, M., and KOLESEV, S. Problems of utilization of labor resources in the countryside. Probl. Econ. [N. Y.] 9(3):15-23. July 1966. 280.8 V89Ae
- *VASIL'EV, A. E. Induced inversion of components in periclinal chimeras of poplars. Acad. Sci. USSR, Dokl. Biol. Sci. 164(1/6):614-617. Ref. Sept./Oct. 1965. 511 P444Aeb
- *VILL', YU. A., and VOSKRESENSKAYA, N. P. Effect of light on tryptophan biosynthesis in green barley seedlings. Soviet Plant Physiol. 12(6):871-876. Ref. Nov./Dec. 1965. 450 F58Ae
- VINOGOROV, G. Possibilities for increase of overall production rate in logging. Woodlands Res. Index 177:A1-A15. Feb. 1966. 99.8 W855A
Translation from Lesnaya Promyshlennost' 6:1-6. June 1966.
- WAWRZYNCZAK, S., and ROMASKIN, M. Exchange of experiences with industrial poultry production organizations. U. S. Joint Publ. Res. Serv. Trans. East. Europe, Agr. Forest. Food Indus. 471:15-21. Aug. 29, 1966. (JPRS 37,287; TT 66-33716) 173 J663Ste
Translation from Mezinárodní Zemedelský Casopis 2:9-13. 1966.
Issued by CFSTI.
- *YABLONSKII, E. A. Degree of swelling of col-loids and winter resistance of flower buds of stone-fruit and nut-fruit crops in Crimea. Soviet Plant Physiol. 12(6):928-934. Ref. Nov./Dec. 1965. 450 F58Ae
- *ZAITSEVA, M. G. Respiration and mineral nutrition of plants. Soviet Plant Physiol. 12(5):696-704. Ref. Sept./Oct. 1965. 450 F58Ae
- ZAKLADNYI, V. The procedure for setting bonuses on sovkhozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 126:1-3. Aug. 30, 1966. (JPRS 37,321; TT 66-33750) 173 J663Tou
Translation from Ekonomicheskaya Gazeta 23:32. June 1966.
Issued by CFSTI.
- *ZAIENSKII, O. V., GLAGOLEVA, T. A., and MAMUSHINA, N. S. Effect of temperature on the free amino acid content in *Chlorella pyrenoidosa*. Soviet Plant Physiol. 12(6):950-952. Ref. Nov./Dec. 1965. 450 F58Ae

*ZAVODCHIKOV, A. B. Computation of spring high water hydrographs using genetic formula of runoff. Soviet Hydrol. Selec. Pap. 5:464-476. Ref. 1965. 292.8 So8

ZOTOV, V. The growth in the production of food products during the new Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 131:13-20. Aug. 24, 1966. (JPRS 37,188; TT 66-33617)

173 J663Tro

Translation from Sovetskaya Torgovlya 6:5-8. June 1966.

Issued by CFSTI.

*ZOZ, N. N., KOLOTENKOV, P. V., and MAKAROVA, S. I. Pea mutations caused by ethyleneimine and its derivatives in the third generation. Acad. Sci. USSR. Dokl. Biol. Sci. 164 (1/6):610. Sept./Oct. 1965. 511 P444Aeb

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Publications in the various United States Department of Agriculture series are listed first, followed by publications issued by the various agencies within the Department, arranged alphabetically by name of agency.

Domestic requests for publications in the various Department series will be filled free to libraries and other qualified agencies and organizations upon application to the United States Department of Agriculture, Office of Information, Washington, D.C., 20250, as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington, D.C., 20250.

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Agricultural Economic Reports

STOCKER, F. D. The role of local government in economic development of rural areas; research needs and opportunities. U. S. D. A. Agr. Econ. Rep. 94,20 p. Ref. July 1966. A281,9 Ag8A

Agriculture Handbooks

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Handbook of agricultural charts, 1966. U. S. D. A. Agr. Handbook 325, 155 p.,map. Oct.1966. 1 Ag84Ah

U. S. Department of Agriculture Statistical Reporting Service, U. S. Agricultural Research Service, and U. S. Foreign Agricultural Service, cooperating.

Agriculture Information Bulletins

ALLEN, P. T., and others. The balance sheet of agriculture, 1966. U. S. D. A. Agr. Inform. Bull. 314,27 p.,map. Sept.1966. 1 Ag84Ab
C. D. Evans, L. A. Jones, R. D. Reinsel, W. H. Scofield, and N. J. Wall, joint authors.

Farmers' Bulletins

WHITTAKER, C. W., ANDERSON, M. S., and REITEMEIER, R. F. Liming soils, an aid to better farming. U. S. D. A. Farmers' Bull. 2124,slightly rev.,32 p.,map. July 1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Farm poultry management. U. S. D. A. Farmers' Bull. 2197,slightly rev.,32 p. Sept.1966. 1 Ag84F

Foreign Agricultural Economic Reports

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. The grain-livestock economy of the European Economic Community: a historical review, 1951-63. U. S. D. A. Foreign Agr. Econ. Rep. 31,58 p. July 1966. A281,9 Ag8F

Home and Garden Bulletins

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Home freezing of fruits and vegetables. U. S. D. A. Home Gard. Bull. 10,slightly rev.,48 p. July 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Eggs in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 103,slightly rev.,32 p. Aug.1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing vegetables in the Appalachian Region. U. S. D. A. Home Gard. Bull. 116,22 p. July 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing vegetables in the Appalachian region. U. S. D. A. Home Gard. Bull. 116,slightly rev.,22 p. Oct.1966. 1 Ag84Hg

Leaflets

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Quince growing. U. S. D. A. Leaflet 158,slightly rev.,4 p. Sept. 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Raising a few hogs. U. S. D. A. Leaflet 537,3 p. May 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. A dairy goat for home milk production. U. S. D. A. Leaflet 538,slightly rev.,8 p. Oct. 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Appalachian hillside pasture. U. S. D. A. Leaflet 543,slightly rev., 4 p. Oct.1966. 1 Ag84L

Marketing Research Reports

MCCOLLOCH, L. P. Chilling injury of eggplant fruits. U. S. D. A. Marketing Res. Rep. 749, 5 p. Aug.1966. 1 Ag84Mr

BROWN, S. E. The demand for flowers-by-wire. U. S. D. A. Marketing Res. Rep. 762, 36 p. June 1966. 1 Ag84Mr

Miscellaneous Publications

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Food costs; retail prices, farm prices, marketing spreads. U. S. D. A. Misc. Publ. 856,rev.,16 p. Sept.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. Research careers in chemistry and other sciences. U. S. D. A. Misc. Publ. 982,rev., 16 p.,folder. Nov.1965. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Opportunities for doctors of veterinary medicine in USDA. U. S. D. A. Misc. Publ. 1014,4 p. June 1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV.
Roadside stand; cooperative farm building plan No. 5983. U. S. D. A. Misc. Publ. 1032,2 p. Sept.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. 1 1/2 story dwelling; cooperative farm building plan No. 7179. U. S. D. A. Misc. Publ. 1034, 2 p. Oct.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV.
Farrow-to-finish swine unit; cooperative farm building plan No. 5993. U. S. D. A. Misc. Publ. 1036,2 p. Sept.1966. 1 Ag84M

Program Aids

U. S. SOIL CONSERVATION SERV. An outline for teaching conservation in elementary schools. U. S. D. A. PA-268, slightly rev., 14 p. Ref. July 1965. 1 Ag84Pro

LAINE, L. M., LAMSON, M. F., and LICKERT, G. M. A clean house agent's guide for training home economics program aides. U. S. D. A. PA-731,8 p. July 1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. When to do house cleaning jobs. U. S. D. A. PA-734, 8 p. July 1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. What food means to people; a guide for program aides in home economics. U. S. D. A. PA-744,2 p. Aug. 1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Breads and cereals, golden nuggets; a guide for program aides in home economics. U. S. D. A. PA-745, 2 p. Aug.1966. 1 Ag84Pro

U. S. CONSUMER AND MARKETING SERV.
School lunches, a billion-dollar market for food. U. S. D. A. PA-750,9 p. Oct.1966. 1 Ag84Pro

Statistical Bulletins

JONES, M. V. Supplement for 1965 to wool statistics and related data, 1920-1964. U. S. D. A. Statist. Bull. 363(sup.),130 p. Aug.1966. 1 Ag84St

ALLEN, G. C., HODGES, E. F., and DEVERS, M. Feed consumed by various classes of livestock, by States, 1949-50 and 1959-60, with 1964-65 national estimates and comparisons. U. S. D. A. Statist. Bull. 379,50 p.,map. Oct.1966. 1 Ag84St

Unnumbered Publications

BAUM, B., and ZOHARY, M. Monographic revision of the genus Tamarix. Department of Botany, Hebrew University; final research report for the United States Department of Agriculture. Jerusalem, 1966. 193 p.,map. QK495.T3B3

Bibliography, p.181-188.
U. S. DEPT. OF AGRICULTURE. Agricultural development in Nicaragua, with particular reference to the organization and programs of the Ministry of Agriculture; a report of a study by E. T. York and H. Popenoe. Washington, 1965. 69 p.,map. Ref. aS471.N5Y6

Agency for International Development, cooperating.

U. S. DEPT. OF AGRICULTURE. Protecting our food; the yearbook of agriculture, 1966. Washington, 1966. 386 p. Ref. 1 Ag84Y

Foreword by O. L. Freeman; preface by J. Hayes.

U. S. DEPT. OF AGRICULTURE. Watershed research in Sleepers River Basin, Danville, Vermont. Washington, 1965? 8 p.,folder,map. aHD1695.S5A5

AGRICULTURAL RESEARCH SERVICE

ESKEW, R. K., DRAZGA, F. H., and TALLEY, F. B. The effect of nonfat milk solids on the storage properties of potato flakelets. U. S. Agr. Res. Serv. ARS-73-52,8 p. May 1966. A361 R31A

GIVENS, R. L., and others. A moisture isolation unit for swine. U. S. Agr. Res. Serv. ARS-42-118,8 p. July 1966. A58.9 R31
A. Osinga, S. R. Morrison, and H. Heitman, joint authors.

HAUSER, V. L. Hydrology, conservation, and management of runoff water in playans on the southern High Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 8,26 p.,map. Ref. Aug. 1966. A279,9 Ag8

Texas Agricultural Experiment Station, cooperating.

KNISEL, W. G. Groundwater studies in the Edwards Plateau of Texas. U. S. Agr. Res. Serv. ARS-41-100,12 p.,map. Mar.1965. A56.9 R31

Texas Agricultural Experiment Station, cooperating.

KNISEL, W. G. Rainfall frequency analysis for 1- to 15-day durations in the Blacklands of Texas. U. S. Agr. Res. Serv. ARS-41-106,13 p.,map. Ref. July 1965. A56.9 R31

Texas Agricultural Experiment Station, cooperating.

KRUSE, E. G. The constant-head-orifice farm turnout. U. S. Agr. Res. Serv. ARS-41-93,24 p. Jan.1965. A56.9 R31

Colorado Agricultural Experiment Station, cooperating.

MCCOOL, D. K., and REE, W. O. Tests of a glass fiber channel liner. U. S. Agr. Res. Serv. ARS-41-111,14 p. Oct.1965. A56.9 R31

Oklahoma Agricultural Experiment Station, cooperating.

MUTCHLER, C. K. Waterdrop formation from capillary tubes. U. S. Agr. Res. Serv. ARS-41-107,12 p. July 1965. A56.9 R31

Minnesota Agricultural Experiment Station, cooperating.

RALSKI, E. Studies on cereal rusts; final research report. Krakow, Plant Breeding and Acclimatization Institute, Immunology Division, 1966. 6 p. SB741.R8R3

Cooperating with U. S. Department of Agriculture, Agricultural Research Service (Grant of Contract No. FG-Po-125-61).

REE, W. O. Swiss channel-type gaging stations. U. S. Agr. Res. Serv. ARS-41-105,10 p. May 1965. A56.9 R31

Oklahoma Agricultural Experiment Station, cooperating.

SEFF, P., and SMITH, W. Rates of rounding of quartz granules and nature of sedimentary maturity, San Pedro Valley, Cochise County, Arizona. U. S. Agr. Res. Serv. ARS-41-108,11 p.,map. Ref. July 1965. A56.9 R31

Arizona Agricultural Experiment Station, cooperating.

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. A guide to the duties and responsibilities of accredited veterinarians. U. S. Agr. Res. Serv. ARS 91-6-4,31 p. July 1966. A41.9 R315Ar

U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Publications of the Horticultural Crops Research Branch; a reference list. Washington, 1966. 25 p. aZ5074.E3

U. S. AGRICULTURAL RESEARCH SERV. SOIL AND WATER CONSERVATION RESEARCH DIV. Watershed research in the Southern Great Plains. Washington, 1966. 12 p.,map. aHD1695.W36A5

Oklahoma State University, and University of Oklahoma Research Institute, cooperating.

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1966 annual conference, Burlington, Vermont, April 21-22, 1966. n.p., 1966. 67 p. A261.9 V59

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Tobacco acreages allotted by States and by kinds, 1940-65. Washington, 1966. 3 p. aHD9136.A5

AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEES

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WYOMING. The 1965 Agricultural Conservation Program for Wyoming. n.p., 1964. 62 p. A281.9 S15A Library has also, 1964.

CONSUMER AND MARKETING SERVICE

U. S. CONSUMER AND MARKETING SERV. Summary of major provisions in Federal milk marketing orders. Washington, 1966. 78 p., map. aHD9282.U5A3

U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. Bulk cooling tanks on farms supplying Federal milk order markets, January 1966. U. S. Consum. Marketing Serv. C&MS-22,16 p. Aug. 1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. Rice; annual market summary, 1966. U. S. Consum. Marketing Serv. C&MS-18,47 p. Oct. 1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV. TECHNICAL SERVICES DIV. List of chemical compounds authorized for use under USDA poultry, meat, rabbit, and egg products inspection programs. Rev. Washington, 1966. 75 p. aTx501.A3U5

ECONOMIC RESEARCH SERVICE

BARLOW, F. D. International grain trade trends and food aid programs; talk prepared for the Kansas Grain & Feed Dealers Association Convention, Wichita, Kansas, April 29, 1966. Washington, U. S. D. A. Economic Research Service, 1966. 21 p. aHD9030.5B3

CORKERN, R. Crambe abyssinica; 1945-65. U. S. D. A. Econ. Res. Serv. ERS-299,9 p. July 1966. A281.9 Ag83E

HUFF, J. M., and JOHNSON, H. A. Recreation facilities and services operated by FHA [Farmers Home Administration] borrowers. U. S. D. A. Econ. Res. Serv. ERS-294,12 p. June 1966. A281.9 Ag83E

FARMER COOPERATIVE SERVICE

HYRE, F. M. The PCA [Production Credit Associations] Cooperative-Patron Credit Plan. U. S. Farmer Coop. Serv. Gen. Rep. 135,12 p. July 1966. A280.29 F22G

KNAPP, J. G., and others. Can cooperatives meet the challenge? U. S. Farmer Coop. Serv. Inform. 53,34 p. July 1966. A280.29 F22I

M. A. Abrahamsen, J. K. Savage, and H. J. Preston, joint authors.

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Handbook of outdoor recreation enterprises in rural areas, by R. S. Crites. Washington, 1966. 122 p. Ref. aGV33.F3

FOREST SERVICE

GOULD, M. L. Shelterwood harvest methods and results for coniferous species, 1930 to 1964; a bibliography. Portland, Oregon, U. S. Forest Service, Pacific Northwest Forest Range Experiment Station, 1965. 8 p. aZ5991.G6

SCHARPF, R. F., and PARMETER, J. R. Determining the age of dwarf mistletoe [Arceuthobium campylopodium abietinum] infections on red fir [Abies magnifica]. U. S. Forest Serv. Res. Note PSW-105,5 p. 1966. A99.9 F7652

U. S. FOREST SERV. DIV. OF FIRE CONTROL. Fire defense in the United States; National Fire Coordination Study. Washington, 1966? 9 p. aTH9503.A2

U. S. FOREST SERV. INTERMOUNTAIN REGION. Challis National Forest, Idaho. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.C5A5

U. S. FOREST SERV. INTERMOUNTAIN REGION. Targhee National Forest, Idaho and Wyoming. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.T3A5

U. S. FOREST SERV. INTERMOUNTAIN REGION. Wasatch National Forest, Utah and Wyoming. Ogden, Utah, 1965. 36 p.-folder, map. aSD428.W3A5

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Deschutes National Forest, Oregon. Portland, Oregon, 1965. 36 p.-folder, map. aSD428.D4A5

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Fremont National Forest, Oregon. Portland, Oregon, 1965. 32 p.-folder, map. aSD428.F7A5

SECRETARY, OFFICE OF

FREEMAN, O. L. Review of the U.S. wheat situation. Washington, U.S.D.A., Office Secretary, 1966. 13 p. aHD9049.W5U5

SOIL CONSERVATION SERVICE

MATTHEWS, E. D. Soil survey of Somerset County, Maryland. Washington, U.S.D.A., Soil Conservation Service, 1966. 90 p., map. Ref. aS591.A3M3

Maryland Agricultural Experiment Station, cooperating.

U. S. SOIL CONSERVATION SERV. National handbook for conservation planning on farms, ranches, and non-agricultural land. Washington, 1965. 53 p. aS621.A1U5

U. S. SOIL CONSERVATION SERV. Status of watershed protection (P.L. 566) program; projects approved for installation of works of improvement. Washington, 1966. 34 p. aTC423.U5A5

STATISTICAL REPORTING SERVICE

STAUBER, B. R. The collection of agricultural statistics in Japan. U. S. D. A. Statist. Rep. Serv. SRS-10,50 p. Ref. Sept. 1966. A280.9 Ag83

U. S. CROP REPORTING BOARD. Capacity of refrigerated warehouses in the United States, October 1, 1965, by A. R. Feistner, M. R. Banks, and W. D. Bormuth. Washington, 1966. 19 p. 1,9 Ed7Tab

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are usually available from the issuing experiment station, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

Alabama Agricultural Experiment Station, Auburn

HIGHLIGHTS of agricultural research 13(2), 16 p. Summer 1966. 100 AL1H

HIGHLIGHTS of agricultural research 13(3), 16 p. Fall 1966. 100 AL1H

Arizona Agricultural Experiment Station, Tucson

ALLEN, R. M., and others. Citrus foundation budwood release, 1966, through the Arizona Cooperative Citrus Registration-Certification Program. *Ariz. Agr. Exp. Sta. Rep.* 236, 6 p. June 1966. 100 Ar4M

J. C. Matejka, R. A. Nelson, and D. R. Rodney, joint authors.

Arizona Crop Improvement Association, and Arizona Commission of Agriculture and Horticulture, cooperating.

KURTZ, E. B., and others. I. Sucrose derivatives of tallow: new, effective surfactants for herbicide sprays. II. Thin layer chromatography of sugar esters and sucroglyceride. *Ariz. Agr. Exp. Sta. Tech. Bull.* 176, 23 p. Ref. July 1966. 100 Ar4

K. C. Hamilton, S. B. Bingham, J. R. McCarty and N. Hartwig, joint authors.

California Agricultural Experiment Station, Berkeley

DOUTT, R. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). I. A taxonomic analysis of parasitic Hymenoptera reared from *Parlatoria oleae* (Colvee). *Hilgardia* 37(9):219-231. Ref. Mar. 1966. 100 C12H

BROODRYK, S. W., and DOUTT, R. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). II. The biology of *Coccophagoides utilis* Doult (Hymenoptera: Aphelinidae). *Hilgardia* 37(9):233-254. Mar. 1966. 100 C12H

KENNETT, C. E., HUFFAKER, C. B., and FINNEY, G. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). III. The role of an autoparasitic aphelinid, *Coccophagoides utilis* Doult, in the control of *Parlatoria oleae* (Colvee). *Hilgardia* 37(9):255-282. Mar. 1966. 100 C12H

HUFFAKER, C. B., and KENNETT, C. E. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). IV. Biological control of *Parlatoria oleae* (Colvee) through the compensatory action of two introduced parasites. *Hilgardia* 37(9):283-335. Ref. Mar. 1966. 100 C12H

FINNEY, G. L. Studies of two parasites of olive scale, *Parlatoria oleae* (Colvee). V. The culture of *Coccophagoides utilis* Doult, a parasite of *Parlatoria oleae* (Colvee). *Hilgardia* 37(9):337-343. Mar. 1966. 100 C12H

BEARDS, G. W., and STRONG, F. E. Photoperiods in relation to diapause in *Lygus hesperus* Knight. *Hilgardia* 37(10):345-362. Ref. Mar. 1966. 100 C12H

MCMURTRY, J. A., and JOHNSON, H. G. An ecological study of the spider mite *Oligonychus punicae* (Hirst) and its natural enemies. *Hilgardia* 37(11):363-402. Ref. May 1966. 100 C12H

NEWELL, I. M., and RYCKMAN, R. E. Species of *Pimeliaphilus* (Acari: Pterygosomidae) attacking insects, with particular reference to the species parasitizing *Triatominae* (Hemiptera: Reduviidae). *Hilgardia* 37(12):463-436. Ref. May 1966. 100 C12H

CALIFORNIA agriculture 20(5), 16 p. May 1966. 100 C12Cag

CALIFORNIA agriculture 20(6), 16 p. June 1966. 100 C12Cag

CALIFORNIA agriculture 20(7), 16 p. July 1966. 100 C12Cag

CALIFORNIA agriculture 20(8), 16 p. Aug. 1966. 100 C12Cag

Connecticut Agricultural Experiment Station, New Haven

LEONARD, D. E. Biosystematics of the *Leucopertus* complex of the genus *Blissus* (Heteroptera: Lygaeidae). *Conn. Agr. Exp. Sta. Bull.* 677, 47 p., map. Ref., p. 45-47. Mar. 1966. 100 C76St

FRONTIERS of plant science 18(2), 8 p. Spring 1966. 100 F92

Connecticut (Storrs) Agricultural Experiment Station, Storrs

STOCKWELL, E. G., and RIDGEWAY, S. O. The population of Connecticut: labor force participation and employment status, 1960. *Conn. (Storrs) Agr. Exp. Sta. Bull.* 392, 19 p., map. Oct. 1965. 100 C76S

MOFFETT, R. E., and others. Economic benefits of optimum intraseasonal allocation of New England-New York McIntosh apples. *Conn. (Storrs) Agr. Exp. Sta. Bull.* 394, 20 p. Ref. June 1966. 100 C76S

J. P. H. Brand, L. H. Myers and S. K. Seaver, joint authors.

GATES, J. M., and KOTTKE, M. W. The dynamics of milk supply in southeast New England. *Conn. (Storrs) Agr. Exp. Sta. Bull.* 395, 20 p. Ref. Mar. 1966. 100 C76S

JANES, B. E., and BRUMBACH, J. J. Estimation of water available for plant growth in Connecticut in 1965. *Conn. (Storrs) Agr. Exp. Sta. Bull.* 397, 16 p., map. June 1966. 100 C76S

SEEVER, S. K., and HARDIE, I. W. The economics of advertising: milk, a special case. *Conn. (Storrs) Agr. Exp. Sta. Res. Rep.* 12, 12 p. June 1966. 100 C76Re

Florida Agricultural Experiment Station, Gainesville

SUNSHINE State agricultural research report 11(3), 20 p. July 1966. 100 F66Su

Georgia Agricultural Experiment Stations, Athens

KUHN, C. W., BRANTLEY, B. B., and SO-
WELL, G. Southern pea viruses: identification, symptomatology, and sources of resistance. *Ga. Agr. Exp. Sta. Bull.* (n.s.) 157, 23 p. Ref. May 1966. 100 G293B

BYERS, R. A. Biology and control of a spittlebug, *Prosapia bicincta* (Say), on Coastal bermudagrass [*Cynodon dactylon*]. *Ga. Agr. Exp. Sta. Tech. Bull.* (n.s.) 42, 26 p., map. Ref. Apr. 1965. 100 G293T

U. S. Department of Agriculture, cooperating. ROBERTS, J. E. The effects of larval diet on the biology and susceptibility of the fall armyworm *Laphygma frugiperda* (J. E. Smith) to insecticides. *Ga. Agr. Exp. Sta. Tech. Bull.* (n.s.) 44, 22 p., map. Ref. May 1965. 100 G293T

Idaho Agricultural Experiment Station, Moscow

FOSTER, R. B., MCKAY, H. C., and OWENS, E. W. Regar bromegrass [*Bromus biebersteinii*]. *Idaho Agr. Exp. Sta. Bull.* 470, 8 p. Aug. 1966. 100 Id14

WISE, M., and SNEED, E. M. Quality evaluations of hard red spring and winter wheats, 1961-1965. Idaho. Agr. Exp. Sta. Bull. 476, 11 p. Oct. 1966. 100 Id14

THACKER, D. L., and ROSS, R. H. Economic practicability and effects of feeding animal fat in veal rations. Idaho. Agr. Exp. Sta. Res. Bull. 71, 10 p. Oct. 1966. 100 Id1

Indiana Agricultural Experiment Station, Lafayette

SCHALL, E. D., and others. Inspection of commercial feeds. Ind. Agr. Exp. Sta. Insp. Rep. 61, 38 p. May 1966. 280.39 In22

F. W. Quackenbush, P. B. Curtis, and J. G. Eikenberry, joint authors.

Iowa Agricultural and Home Economics Experiment Station, Ames

MAKI, W. R., SUTTOR, R. E., and BARNARD, J. R. Simulation of regional product and income with emphasis on Iowa, 1954-1974. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 548:803-835. Ref. Sept. 1966. 100 Io9

IOWA farm science 21(4), 16 p. Oct. 1966. 275.28 Io94

Michigan Agricultural Experiment Station, East Lansing

MILLER, C. Variation in butterfat test. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):502-505. May 1966. 100 M58S

SPARKS, D., and LARSEN, R. P. Effect of nitrogen on the fruit soluble solids of concord grapes, *Vitis labrusca* L. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):506-513. Ref. May 1966. 100 M58S

BARNES, E. H., MOULTON, J. E., and IGNA-TOSKI, J. A. Verticillium-resistant selections of strawberry from crosses of named varieties. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):514-520. Ref. May 1966. 100 M58S

LUCAS, R. E., DAVIS, J. F., and LACY, M. L. Verticillium wilt control in mint—progress report. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):521-528. May 1966. 100 M58S

THANAWALLA, Y., PAIGE, C., and BEEGLE, A. Residential differentials in fertility. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):529-537. map. May 1966. 100 M58S

HEIFNER, R. G. The effectiveness of hedging as a means of reducing risks associated with seasonal grain storage in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):533-546. May 1966. 100 M58S

HEIFNER, R. G. The gains from basing grain storage decisions on cash-future spreads in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):547-558. May 1966. 100 M58S

HOOPINGARNER, R. A., GUYER, G. E., and KRAUSE, D. H. The Mackinac Island fly problem. I. History of insecticide use and characterization of resistance. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):559-564. May 1966. 100 M58S

EVERSON, E. H., and others. Geographic distribution of resistance in *Triticum* to the cereal leaf beetle [*Oulema melanopa*]. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):565-569. May 1966. 100 M58S

R. L. Gallun, J. A. Schillinger, D. H. Smith, and J. C. Craddock, joint authors.

SCHILLINGER, J. A., and ELLIOTT, F. C. The isolation of anti-metabolites from individual alfalfa plants. III. An amino acid responding principle from *Medicago falcata* L. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):570-579. Ref. May 1966. 100 M58S

SCHILLINGER, J. A., and ELLIOTT, F. C. Bioassays for nutritive value of individual alfalfa plants. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):580-590. May 1966. 100 M58S

HELDMAN, D. R., HALL, C. W., and HEDRICK, T. I. Bacterial aerosol concentration distribution at openings. Mich. Agr. Exp. Sta. Quart. Bull. 48(4):591-598. Ref. May 1966. 100 M58S

MICHIGAN. AGRICULTURAL EXPERIMENT STATION. Agricultural research; an investment in the future, 1966 edition. East Lansing, 1966. 26 p., map. 100 M58A

Minnesota Agricultural Experiment Station, St. Paul Campus, St. Paul 1

DAHL, D. C. The law and the market. Minn. Agr. Exp. Sta. Misc. Rep. 75, 53 p. Ref. Sept. 1966. 100 M66

Papers presented at a seminar on March 3, 1966, sponsored by the North Central Regional Committee.

GRAVA, J., STRAND, O. E., and RANDALL, G. W. A survey of alfalfa fields in Winona County, Minnesota. Minn. Agr. Exp. Sta. Sta. Bull. 485, 16 p., map. Ref. Sept. 1966. 100 M66

Missouri Agricultural Experiment Station, Columbia

GANSNER, D. A. Timber resources of Missouri's southwestern Ozarks. Mo. Agr. Exp. Sta. Res. Bull. 845, 51 p., map. Jan. 1966. 100 M693

U. S. Department of Agriculture, cooperating.

WHITAKER, F. D., and HEINEMANN, H. G. Fertilizing corn during dry years. Mo. Agr. Exp. Sta. Bull. 853, 11 p. May 3, 1966. 100 M693

U. S. Department of Agriculture, cooperating.

Montana Agricultural Experiment Station, Bozeman

MONTANA. AGRICULTURAL EXPERIMENT STATION. 10th cattle feeders day, Bozeman, May 14th, 1966. Mont. Agr. Exp. Sta. Res. Progr. Rep. PR-27/35, various paging. May 1966. 100 M76R

New York (State) Agricultural Experiment Station, Geneva

FARM research 31(4), 16 p. Jan./Mar. 1966. 100 N48A

FARM research 32(1), 16 p. Apr./June 1966. 100 N48A

New York (Cornell) Agricultural Experiment Station, Ithaca

DETHIER, B. E. Precipitation in New York State. N. Y. (Cornell) Agr. Exp. Sta. Bull. 1009, 78 p., map. July 1966. 100 N48C

North Carolina Agricultural Experiment Station, State College Station, Raleigh

TOBACCO abstracts 10(10):788-877. Oct. 1966. 241 T55

Oklahoma Agricultural Experiment Station, Stillwater

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Research progress report, 1966, Sandy Land Research Station, Mangum, Oklahoma. Okla. Agr. Exp. Sta. Process, Ser. P-549, 18 p. Oct. 1966. 100 Ok4M

Not available for free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

CONNOR, L. J., and others. Alternative crop enterprises on clay and loam soils of north central Oklahoma; resource requirements, costs and returns. Okla. Agr. Exp. Sta. Process, Ser. P-550, 29 p., map. Ref. Oct. 1966. 100 Ok4M

H. D. Hall, O. Walker, and J. Tomlinson, joint authors.
U. S. Department of Agriculture, cooperating.

Oregon Agricultural Experiment Station, Corvallis

RALEIGH, R. J., and SAWYER, W. A. Feeding and management of cattle with a limited feed supply. Oreg. Agr. Exp. Sta. Spec. Rep. 223, 7 p. Oct. 1966. 100 Or3M

U. S. Department of Agriculture, cooperating.
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

South Carolina Agricultural Experiment Station, Clemson

MANWILLER, A., and others. Performance of corn hybrids in South Carolina. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 53, 13 p. Apr. 1966. 56.9 So84

E. B. Eskew, J. A. Durant, and V. M. Kirk, joint authors.

South Dakota Agricultural Experiment Station, Brookings

WHITE, L. D. Plant feeding mites of South Dakota. S. Dak. Agr. Exp. Sta. Tech. Bull. 27, 60 p., map. Ref. May 1966. 100 So82

SOUTH Dakota farm and home research 17(2), 32 p. Spring 1966. 100 So82S

SOUTH Dakota farm and home research 17(3), 24 p. Summer 1966. 100 So82S

Texas Agricultural Experiment Station, College Station

REEVES, B. G., and others. Suggestions for weed-control with chemicals. Tex. Agr. Exp. Sta. B-1029, 56 p. 1966. 100 T31S

L. H. Wilkes, H. O'Neal, T. E. Boswell, A. L. Harrison, G. O. Hoffman, R. H. Haas, W. G. McCully, A. F. Wiese, B. R. Spears, F. C. Elliot, I. M. Atkins, H. E. Rea, A. C. Novosad, E. C. Holt, R. J. Mears, W. T. Finchum, N. P. Maxwell, B. G. Hancock, J. B. Storey, J. E. Larsen, D. R. Paterson, R. M. Menges, J. H. Kyle, M. A. Bailey, T. D. Longbrake, M. J. Norris, W. G. Klusman, J. M. Inglis, J. D. Price, H. Brady, and E. M. Trew, joint authors.

Published jointly with Texas Agricultural Extension Service.

ADKISSON, P. L., and NEMEC, S. J. Comparative effectiveness of certain insecticides for killing bollworms [*Heliothis zea*] and tobacco budworms [*Heliothis virescens*]. Tex. Agr. Exp. Sta. B-1048, 4 p. Feb. 1966. 100 T31S

DOLLAHITE, J. W., HOUSHOLDER, G. T., and CAMP, B. J. Oak poisoning in livestock. Tex. Agr. Exp. Sta. B-1049, 8 p. Ref. Apr. 1966. 100 T31S

--

Utah Agricultural Experiment Station, Logan

BLACK, T. R., and TARVER, J. D. Age and sex population projections of Utah counties. Utah. Agr. Exp. Sta. Bull. 457, 75 p. Ref. Dec. 1965. 100 Utl

FREDRICKSON, C. D. Employment of mothers and its effect in problem and problem-solving families in northern Utah, 1960-1961. Utah. Agr. Exp. Sta. Bull. 460, 51 p. Ref. July 1966. 100 Utl

SALUNKHE, D. K., and others. Evaluation of variety, maturity, and storage on the processing quality of Utah-grown fruits. Utah. Agr. Exp. Sta. Spec. Rep. 20, 54 p. Ref. June 1966. 100 UtlSp

N. S. Schvaneveldt, D. R. Walker, J. L. Anderson, E. B. Wilcox, and R. A. Norton, joint authors.

ARRINGTON, L. J., and ALEXANDER, T. G. Water for urban reclamation: the Provo River Project. Utah. Agr. Exp. Sta. Utah Resources Ser. 29, 35 p., map. Ref. Mar. 1966. 279.9 Utl

DAVIS, I. H. Maximizing incomes from Circle Valley farms, Piute County, Utah. Utah. Agr. Exp. Sta. Utah Resources Ser. 30, 25 p. May 1966. 279.9 Utl

COOK, C. W. Carbohydrate reserves in plants. Utah. Agr. Exp. Sta. Utah Resources Ser. 31, 47 p. June 1966. 279.9 Utl

Bibliography, p. 19-47.
DAVIS, L. H., and JOHNSON, R. L. Maximizing incomes from crops on Millard County farms. Utah. Agr. Exp. Sta. Utah Resources Ser. 32, 31 p. July 1966. 279.9 Utl

ROBERTS, N. K., and BLANCH, G. T. Sheep ranching in Utah's economy, 1964. Utah. Agr. Exp. Sta. Utah Resources Ser. 33, 11 p. Aug. 1966. 279.9 Utl

West Virginia Agricultural Experiment Station, Morgantown

KRIESEL, H. C. Factors affecting the competitive position of the poultry industry in West Virginia and in other regions. W. Va. Agr. Exp. Sta. Bull. 529T, 175 p. Ref., p. 143-146. June 1966. 100 W52

A Northeast Regional Marketing Research Project.

Wisconsin Agricultural Experiment Station, Madison

YOUDE, J., and HELMBERGER, P. Membership policies and market power of farmer cooperatives in the United States. Wis. Agr. Exp. Sta. Bull. 267, 38 p., map. Ref. Aug. 1966. 100 W75

ROSS, R. W., and ROWE, P. R. Supplement to Inventory of tuber-bearing Solanum species; interspecific hybrids and introduced varieties. Wis. Agr. Exp. Sta. Bull. 533, 32 p. Ref. July 1966. 100 W75

U. S. Department of Agriculture, and State Agricultural Experiment Stations, cooperating.

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ALASKA University, Extension Service, College

ALASKA, UNIVERSITY. EXTENSION SERV.
Alaska resource development directory. Alaska Univ. Ext. Publ. 49,51 p. Mar.1965.
275.29 AL13P

ILLINOIS University, Cooperative Extension Service in
Agriculture and Home Economics, Urbana

MUELLER, A. G., WILKEN, D. F., and KESLER, R. P. 41st annual summary of Illinois farm business records, 1965; commercial farms: production, costs, income, investments. Ill. Univ. Ext. Circ. 941,24 p.,map. Aug.1966.
275.29 IL62C

NORTH CAROLINA University, Extension Service,
State College Station, Raleigh

WARRICK, W. C. Clothing storage. N. C. Univ. Ext. Home Econ. 8,6 p.-folder. Apr.1966.
275.29 N811Hom

HINSON, T. Pots and pans for cooking. N. C. Univ. Ext. Home Econ. 32,2 p. Apr.1966.
275.29 N811Hom

O'BRIEN, C. D., and TAYLOR, G. K. House planning aids; bedrooms and clothes closets. N. C. Univ. Ext. Home Econ. 33,4 p. June 1966.
275.29 N811Hom

BLACK, J., and JORDAN, F. Homes change as children grow. N. C. Univ. Ext. Home Econ. 34,6 p.-folder. May 1966. 275.29 N811Hom

SHEARIN, M. Caning. N. C. Univ. Ext. Home Econ. 35,8 p. May 1966. 275.29 N811Hom

SHEARIN, M. Revival of crafts in North Carolina. N. C. Univ. Ext. Home Econ. 36,19 p. Ref. Aug.1966. 275.29 N811Hom

BLACK, J. Picture panorama. 1. Selection. N. C. Univ. Ext. Home Econ. 37,6 p.-folder. June 1966. 275.29 N811Hom

BLACK, J. Picture panorama. 2. Framing. N. C. Univ. Ext. Home Econ. 38,6 p.-folder. June 1966. 275.29 N811Hom

BLACK, J. Picture panorama. 3. Placement. N. C. Univ. Ext. Home Econ. 39,6 p.-folder. June 1966. 275.29 N811Hom

BROOKS, R. C. Cotton marketing guide for 1966; southern and eastern area. N. C. Univ. Ext. Leaf. 119,6 p.-folder. Aug.1966.
275.29 N811L

BROOKS, R. C. Cotton marketing guide for 1966; western area. N. C. Univ. Ext. Leaf. 118,6 p.-folder. Aug.1966. 275.29 N811L

UTAH State University, Agricultural Extension Service,
Logan

KNOWLTON, G. F. Fly control. Utah. State Univ. Ext. Entomol. Mimeo Ser. 109,3 p. Sept. 1966. 275.29 UtiEn

DAVIS, D. W., and KNOWLTON, G. F. Codling moth bait pan traps. Utah. State Univ. Ext. Entomol. Mimeo Ser. 110,2 p. Sept.1966.
275.29 UtiEn

KNOWLTON, G. F. Western harvester ants [Pogonomyrmex occidentalis] a range and farm problem. Utah. State Univ. Ext. Entomol. Mimeo Ser. 111,1 p. Oct.1966. 275.29 UtiEn

VIRGINIA Polytechnic Institute, Agricultural Extension
Service, Blacksburg

VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Your best foot forward; treat your feet with care, they are priceless, they have a hard job. Va. Polytech. Inst. Ext. Leaf. 13,rev.,2 p. Aug.1966.
275.29 V81L

VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Looking your best; Clothing Unit 1. Va. Polytech. Inst. Ext. Leaf. 18,rev.,1 p. Aug.1966. 275.29 V81L

BARTON, J. A. Low calorie meals. Va. Polytech. Inst. Ext. Leaf. 131,4 p. Sept.1966.
275.29 V81L

BARTON, J. A. Meal planning. Va. Polytech. Inst. Ext. Leaf. 299,6 p. Oct.1966.
275.29 V81L

SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Tomatoes. Va. Polytech. Inst. Ext. Circ. 698,rev.,4 p. Aug.1966. 275.29 V81C

VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Recipes featuring cheese. Va. Polytech. Inst. Ext. Circ. 741,rev.,8 p. Sept.1966. 275.29 V81C

CORNWELL, G. W., and MOSBY, H. S. Virginia wildlife conservation notes: the eastern gray squirrel. Va. Polytech. Inst. Ext. Circ. 1019, 11 p. July 1966. 275.29 V81C

REGIONAL PUBLICATIONS

Pacific Northwest Cooperative Series

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. A forest conservation tour guide; land, water, trees, & people. PNW (Pacific Northwest Coop. Ext.) Bull. 72,33 p. Apr.1966.
275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

TANKERSLEY, H. C., and WELLS, W. Rural preparedness for sheep producers. PNW (Pacific Northwest Coop. Ext.) Bull. 74,8 p. June 1966. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

TANKERSLEY, H. C., and WELLS, W. Rural preparedness for swine producers. PNW (Pacific Northwest Coop. Ext.) Bull. 75,8 p. June 1966. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS

Includes publications received in the Library during the
preceding month.

COCOA statistics monthly supplement 2,4 p.
Feb.1966. 286.83 C64

COCOA statistics monthly supplement 8/9,4 p.
Aug./Sept.1966. 286.83 C64

COCOA statistics monthly supplement 11,5 p.
Nov.1965. 286.83 C64

CURRENT food additives legislation 95,9 p.
Dec.7,1966. 241.64 F732

DEMA, I. S. Nutrition in relation to agricultural production; a manual for extension supervisors in agriculture, home economics, rural health, community development and for workers in other fields related to nutrition in Nigeria and the countries of west Africa.. Rome, Food and Agriculture Organization of the United Nations, 1965. 123 p. TX360.N53D4

Bibliography, p.116-121.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Basic texts, Ed. 13, 1966, Volume 1. Rome, 1966. 170 p.
389.9 F735Cr

Text in English, French, and Spanish.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The state of food and agriculture, 1966. Rome, 1966. 242 p.
389.9 F735St

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. LATIN AMERICAN FORESTRY COMMISSION. Report of the ninth session, held in Curitiba, Brazil, November 5-12, 1964. Rome, 1966. 47 p. 99.9 L342

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 16(7),22 p.
July 1966. 280.9 F7323

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 16(6),22 p.
June 1966. 280.9 F7323

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixieme session, Stockholm, 22-27 septembre 1966; cycle d'etude sur les aspects de l'utilisation des tracteurs dans l'exploitation forestiere. I. c. L'utilisation des tracteurs agricoles dans des regions montagneuses [Sixth session, Stockholm, 22-27 September, 1966; symposium on aspects of the use of tractors in logging. I. c. Use of agricultural tractors in mountainous areas]. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/171,11 p. July 20,1966.
99.9 F73Fe

MONTHLY legislative report 15(5/6),119 p.
May/June 1966. 241 F7323



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Vol. 30

March 1967

No. 3

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CONTENTS

Item	Item	Item
AGRICULTURAL ECONOMICS AND	Consumption and Utilization	Harvesting Equipment
RURAL SOCIOLOGY 17960-18461	Distribution, Marketing, and	Land Clearing Equipment
General 17960	Transportation 19224	Processing Equipment Used on
Agricultural Finance 17989	Grading, Inspection, Standardiza-	the Farm 21611
Credit 18003	tion, and Quality 19244	Repair, Maintenance, and Con-
Income 18023	Packing and Packaging 19263	struction Equipment 21636
Inflation	Prices, Price Control, and	Spraying and Dusting Equipment
Insurance 18024	Rationing 19266	Vehicles 21647
Taxation 18031	Processing and Storage 19270	Farm Structures and Rural
Agricultural Labor and Wages 18039	Statistics 19286	Housing 21699
Agriculture - Situation, Policies,	Oil and Oilseeds 19290	Animal Shelters and Animal
and Programs 18073	Poultry and Poultry Products 19341	Service Buildings 21711
Subsidies 18140	Rubber and Rubber Substitutes 19362	Farmhouses and Farmsteads 21744
Cost and Standard of Living	Seeds 19370	Greenhouses and Plant Service
Farm Management and Land	Sugar and Sirups 19378	Buildings 21751
Economics 18141	Tobacco 19413	Materials and Methods 21764
Bookkeeping and Records 18219	Miscellaneous Products 19425	Storage Structures 21766
Costs and Returns 18225		Walls and Fences 21775
Land Settlement and Colonization 18254		Farm Utilities 21779
Land Tenure 18255	ANIMAL INDUSTRY 19438-21441	Electricity and Electrification 21779
Land Utilization 18273	Breeds and Breeding 19438	Heating, Lighting, and Radiation 21785
Land Values and Valuation 18295	Feeds and Feeding 19462	Power Plants, Motors, and
Population 18304	Veterinary Medicine 19498	Engines on the Farm 21786
Rural Social Organization 18310	Miscellaneous 19804	Sewage and Waste Disposal 21792
Human Ecology 18319	Cattle 19830	Telephones 21795
Institutions 18325	Breeds and Breeding 19830	Water Supply 21795
Leadership 18368	Feeds and Feeding 19854	
Rural Organizations and	Veterinary Medicine 20068	ENTOMOLOGY 21806-22821
Movements 18371	Miscellaneous 20428	General Entomology 21806
Cooperative Organizations 18385	Dogs and Cats 20468	Arachnida, Myriapoda, etc. 21839
Rural Social Psychology 18391	Breeds and Breeding 20468	Coleoptera 21874
Trade, Foreign and International 18399	Feeds and Feeding 20470	Diptera 21900
	Veterinary Medicine 20471	Culicidae 21931
AGRICULTURAL PRODUCTS:	Miscellaneous 20615	Drosophila 21939
PROCESSING, DISTRIBUTION,	Fur Animals - Pen Raised 20621	Hemiptera (Heteroptera and
AND STATISTICS 18462-19437	Breeds and Breeding 20621	Homoptera) 21981
General 18462	Feeds and Feeding 20630	Hymenoptera 22012
Analysis and Composition 18481	Veterinary Medicine 20635	Lepidoptera 22042
Consumption and Utilization 18508	Miscellaneous 20642	Orthoptera 22103
Distribution, Marketing, and	Horses and Mules 20649	Smaller Orders 22146
Transportation 18519	Breeds and Breeding 20649	Taxonomic and Geographic
Grading, Inspection, Standardiza-	Feeds and Feeding 20658	Entomology 22161
tion, and Quality 18546	Veterinary Medicine 20660	Arachnida, Myriapoda, etc. 22172
Packing and Packaging 18572	Miscellaneous 20700	Coleoptera 22216
Prices, Price Control, and	Laboratory Animals, Small 20706	Diptera 22284
Rationing 18579	Breeds and Breeding 20706	Hemiptera 22323
Processing and Storage 18586	Feeds and Feeding 20709	Hymenoptera 22347
Statistics 18635	Veterinary Medicine 20717	Lepidoptera 22376
Beverages and Condiments	Miscellaneous 20745	Orthoptera 22445
Dairy Products 18693	Poultry 20745	Smaller Orders 22453
Analysis and Composition 18713	Breeds and Breeding 20745	Insect Control 22491
Consumption and Utilization 18770	Feeds and Feeding 20769	Pests of Animals and Man 22520
Distribution, Marketing, and	Veterinary Medicine 20812	Pests of Plants 22598
Transportation 18772	Miscellaneous 20944	Forest Pests 22606
Grading, Inspection, Standardiza-	Rabbits 20965	Pests of Field and Truck Crops 22645
tion, and Quality 18780	Breeds and Breeding 20965	Pests of Fruit and Nut Crops 22713
Packing and Packaging 18798	Feeds and Feeding 20987	Pests of Ornamentals, Green-
Prices, Price Control, and	Veterinary Medicine 20968	houses and Nurseries 22751
Rationing 18801	Miscellaneous 20992	Pests of Stored Products and
Processing and Storage 18803	Sheep and Goats 20993	Processed Commodities 22761
Statistics 18842	Breeds and Breeding 20993	Apiculture and Apis mellifera 22774
Feed and Forage Crops 18845	Feeds and Feeding 21044	Sericulture and the Silkworm 22814
Fibers and Textiles 18878	Veterinary Medicine 21096	
Fruits, Vegetables, and Nuts 18956	Miscellaneous 21225	FOOD AND HUMAN NUTRITION
Analysis and Composition 18984	Swine 21239	22822-22880
Consumption and Utilization 18998	Breeds and Breeding 21239	General 22822
Distribution, Marketing, and	Feeds and Feeding 21256	Food Habits 22865
Transportation 19001	Veterinary Medicine 21305	Nutritive and Vitamin Content 22869
Grading, Inspection, Standardiza-	Miscellaneous 21418	
tion, and Quality 19020	ENGINEERING 21442-21805	FORESTRY 22881-23515
Packing and Packaging 19032	General and Miscellaneous 21442	General 22881
Prices, Price Control, and	Farm Machines and Equipment 21459	Education 22919
Rationing 19040	Animal Husbandry Equipment 21505	
Processing and Storage 19041	Cultivation and Tillage Equipment 21521	
Statistics 19083	Fertilizing and Planting Equip- 21543	
Grain and Grain Products 19089		
Honey and Beeswax 19168		
Livestock and Livestock Products 19175		
Analysis and Composition 19198		

	Item	Item	Item
Forest Resources	22922	Agronomy (Field Crops)	24470
Forest Influences	22938	Cereals	24488
Forest Injuries and Protection		Fiber Crops	24538
Fire	22952	Forage Crops and Grasses	24546
Forest Management	22962	Oil Crops	24602
Forest Description and Mensuration	22969	Sugar Crops	24607
Policies and Programs	23046	Tobacco	24615
Legislation and Taxation	23075	Horticultural Crops	24618
Forest Products and Utilization	23079	Fruit—General	24624
Lumbering and Logging	23084	Citrus and Subtropical Fruits	
Sawmills	23104	Deciduous Fruits	24634
Processing and Woodworking	23166	Small Fruits	24649
Seasoning, Conditioning, and Finishing	23185	Nuts	24667
Wood Preservation and Damage	23196	Shade Trees and Ornamental Plants	24681
Lumber and Rough Products		Vegetable and Truck Crops (Including Potatoes)	24682
Construction	23223	Miscellaneous Economic Plants	24714
Veneers, Plywood and Adhesives	23242	Plant Pathology and Protection	24798
Furniture	23245	Field Crops	24813
Containers	23258	Horticultural Crops	24826
Pulp and Paper		Forest Trees	24835
Chemical Products and Distillates	23265	Bacterial Diseases	24852
Naval Stores	23300	Field Crops	24855
Other Forest Products	23305	Horticultural Crops	24863
Silviculture	23309	Forest Trees	24865
Regeneration and Breeding	23332	Fungus Diseases	24871
Wood Technology	23390	Field Crops	24889
	23440	Horticultural Crops	24899
		Forest Trees	24991
PLANT SCIENCE	23516-25343	Nematodes	25002
General	23516	Field Crops	25012
Morphology, Anatomy, and Cytology	23542	Horticultural Crops	25017
Ecology	23683	Virus Diseases	25023
Genetics	23727	Field Crops	25030
Physiology and Biochemistry	23830	Horticultural Crops	25050
Field Crops	24091	Forest Trees	
Cereals	24097	Physiological Diseases	25070
Fiber Crops	24179	Injuries	25082
Forage Crops and Grasses		Systematic and Geographic Botany	
Oil Crops	24195	Spermatophytes	25103
Sugar Crops	24228	Pteridophytes	25112
Tobacco	24241	Eryophytes	25202
Horticultural Crops	24254	Algae	25206
Fruit Crops	24268	Fungi (Including Lichens)	25210
Nuts	24271	Weeds and Poisonous Plants	25220
Shade Trees and Ornamental Plants	24305	Biology	
Vegetable and Truck Crops	24306	Weed Control	25260
	24324	Chemical Weed Control	25271
Miscellaneous Economic Plants		Cultural, Biological Weed Control	25278
Forest Trees	24385	SOILS AND FERTILIZERS	
	24449		
		25344-25884	
		Soil Science	25344
		Soil Physics	25350
		ORGANIZATIONAL INDEX	p. 257

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 17960 AKADEMIYA NAUK SSSR. INSTITUT EKONOMIKI MIROVOI SOVSIALISTICHESKOI SISTEMY. Narodnoe khozyaistvo sotsialisticheskikh stran v 1965 godu [National economy of socialist countries in 1965]. Moskva, 1966. 191 p. 280.9 Ak19
In Bulgaria, includes agriculture.
- 17961 ALLAN, W. The African husbandman. Edinburgh, Oliver and Boyd, 1965. 505 p. HD2117.A4
Bibliography, p.475-483.
Agriculture, land use, and tenure.
- 17962 ANDERSEN, T. National economic planning in Peru. (Sp) An. Cient. 2(4):420-445. Oct./Dec. 1964. 9-8 Am
- 17963 ANDRUS, J. R., and MOHAMMED, A. F. Trade finance and development in Pakistan. Karachi, Oxford University Press, 1966. 289 p. Ref., p.281-283. HC440.5.A5
Chapters include production and marketing of export crops (with an appendix on the grading of jute) and agricultural credit.
- 17964 BABASHKIN, L. The use of electronic computers in national economic planning. 13 p. (JPRS 36,526; TT 66-32958) Transl. 16105
Includes agriculture.
Translation from Planovoe Khozyaistvo 6:30-40. June 1966.
CPSTI: \$1.00.
- 17965 BALZHINNYAM, B. Results of cooperation and mutual help. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:10-14. 1966. 20 M57
Council for Mutual Economic Assistance and Mongolia.
- 17966 BARROS, H. DE. Agricultural economics and agricultural economists. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.9-32. 1965. HD786.L5
- 17967 BARTER, P. G. H. Problems of agricultural development. Geneve, Droz, 1966. 95 p. Ref. (Travaux de Droit, d'Economie, de Sociologie et de Sciences Politiques, No. 42) HD1411.B3
- 17968 BECKFORD, G. L. Transforming traditional agriculture: comment. J. Farm Econ. 48 (4,pt.1):1013-1015. Nov. 1966. 280.8 J822
Reply by T. W. Schultz, p.1015-1018.
- 17969 CASADIO, G. P. Aid to developing countries: problems and prospects. (It) Ital. Agr. 103 (6):545-558. June 1966. 16 It1
Economic and financial aid.
- 17970 CHISHOLM, M. Geography and economics. London, 1966. 230 p.,map. Ref. (Bell's Advanced Economic Geographies) HF1025.C4
Includes reference to agricultural subjects.
- 17971 DILLON, J. L. Parochialism among U.S. agricultural economists. J. Farm Econ. 48(4,pt.1): 1023-1024. Nov. 1966. 280.8 J822
- 17972 DREW, J. K. The agribusness major: a scarce breed. II. Fert. Solutions 10(6):32-34. 49. Nov./Dec. 1966. 57.8 So4
- 17973 EISERMANN, G. The relations between national economy and sociology. (Ge) Ges. Wirt-sch.- Sozialwiss. Landbaues, Schr. 3:11-30. Ref. 1966. 281.9 G33
- 17974 FRANCE. DIRECTION DE LA DOCUMENTATION. Le developpement economique de la Republique Populaire de Mongolie [Economic development of the Mongolian People's Republic]. France. Dir. Doc. Notes Etudes Doc. 3312,34 p.,map. Ref. July 26, 1966. 280.9 F843
Agricultural policy included.
- 17975 HAN'GUK UNHAENG. Economic progress in Korea. Seoul, 1966. 31 p. HC467.H3
Includes agriculture.
- 17976 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. CENTER FOR AGRICULTURAL AND ECONOMIC DEVELOPMENT. Annual report, July 1, 1966. Ames, 1966. 32 p. 281.9 Io92
Economic and sociological research and education.
- 17977 JORDAN, M. F., and BENDER, L. D. An economic survey of the Ozark Region. U. S. D. A. Agr. Econ. Rep. 97,81 p.,map. July 1966. A281.9 Ag8A
Bibliography, p.71-77.
Arkansas Agricultural Experiment Station, co-operating.
- 17978 LISBON. UNIVERSIDADE. FACULDADE DE DIREITO. Curso de direito e economia agrarios [Course in law and agricultural economics]. Lisboa, 1965. 361 p. Ref. HD786.L5
- 17979 MCMURTRY, G., and LIVERMORE, D. U. General economy; situation and outlook. Va. Polytech. Inst. Ext. V. Farm Econ. 199:17-20. Sept./Oct. 1966. 275.29 V813
- 17980 NUNN, C. Economic problems of agriculture. World Agr. 15(4):6-10. Oct. 1966. 6 W893
A report of the conference of the International Economic Association held in Rome in September 1965.
- 17981 OFICINA DE ESTUDIOS PARA LA COLABORACION ECONOMICA INTERNACIONAL. Nivel de la economia argentina en 1964 [Level of the Argentine economy in 1964]. I. Buenos Aires, 1965. 42 p. HC171.O3
Includes the agricultural economy.
- 17982 PHILPOTT, B. P. Productivity, planning and the price mechanism in New Zealand manufacturing industry. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 36,24 p. 1966. 281.9 L632
In relation to agriculture and agricultural trade.
- 17983 PINTO, L. M. T. Agriculture and economic development. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.307-329. 1965. HD786.L5
- 17984 SANTMYER, C. Northern Africa seeks the key to economic growth. Foreign Agr. Incl. Foreign Crops Markets 4(45):4-6. Nov. 7, 1966. A281.9 F76Fo
- 17985 SAUNDERS, C. B. The Brookings Institution, a fifty-year history. Washington, Brookings Institution, 1966. 118 p. H67.B752
Includes reference to agricultural studies for which the index should be consulted.
- 17986 SEN, A. K. Peasants and dualism with or without surplus labor. J. Polit. Econ. 74(5):425-450. Ref. Oct. 1966. 280.8 J82
Economics of peasant farming in a part peasant, part capitalist agriculture, with reference to India.
- 17987 SIDDIQI, A. J. Canal irrigation agricultural development and social change in West Pakistan (1880-1965). Diss. Abstr., Sect. A, 27 (3):833A. Sept. 1966. Z5055.U49D5
- 17988 VOROB'EV, Y. F. Vyravnivanie urovnei ekonomicheskogo razvitiya soyuznykh respublik [Leveling standards of economic developments in different Union Republics]. Moskva, Nauka, 1965. 214 p. Ref. HC336.2.V6

AGRICULTURAL FINANCE

- 17989 ALTADONNA, G. More capital for balancing the rural exodus. (It) Trattorista 12(17):365-368. Sept. 15, 1966. 58.8 T69
For mechanization to increase productivity of labor.
- 17990 ØNDO-ANDERSEN, A. Capital circumstances of agriculture. (Da) Dansk Landbrug 85(10): 291-295. Oct. 1966. 280.28 V91
- 17991 CREA, V. Investments begin to increase. (It) Esso Agr. 15(4):8. Aug. 1, 1966. 58.8 Es7
In agriculture.
- 17992 GATTA, C. Italian family budgets 1964. (It) Ital. Agr. 103(6):589-592. June 1966. 16 It1
Expenditures.
- 17993 HOLT, J. S., and others. Investment requirements for alternative dairy farmstead physical plants. Amer. Soc. Agr. Eng. Pap. 408,15 p. 1966. 290.9 Am32P
R. A. Aldrich, A. R. Carlson, and W. L. Barr, joint authors.
- 17994 LITTLE, C. H. A method to determine effects of new investment on a community. Okla. Agr. Exp. Sta. Process. Ser. P-551,15 p.,map. Nov. 1966. 100 Ok4M
Statistical methods.

- 17993 LONGO, L. P. Money—a powerful tool if properly managed. *Hoard's Dairyman* 111(23):1442-1443. Dec.10,1966. 44.8 H65
- 17996 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. All India consumer expenditure survey. Volume I. Methodology. New Delhi, 1966. 213 p. HC440.15N3
Includes income from and expenditures for agriculture.
- 17997 ROBERTS, H., and LIGGETT, E. P. Family clothing expenditures. *Wash. State Univ. Ext. E. M.* 2677,8 p. Aug.1966. 275.29 W27M1
- 17998 STEFANOV, E. P. Methodological problems relating to the determination of economic effectiveness of capital investments in animal husbandry. (Bu) *Selskостopanska Nauk.* 5(3): 61-70. 1966. 21 Se492
- 17999 STUTZER, D. Improving the agrarian structure in financial crisis. (Ge) *DLZ—Landtech. Z.* 17(11):738,740. Nov.1966. 58.8 T677
Agricultural finance and credit situation.
- 18000 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Going broke in ten giant steps. *Wash. State Univ. Ext. E. M.* 2697,1 p. Sept. 1966. 275.29 W27M1
- 18001 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Sample monthly spending plan; annual income—\$7,500—\$9,000, monthly income—\$625—\$750; from a national survey of assorted families. *Wash. State Univ. Ext. E. M.* 2699, 1 p. Sept.1966. 275.29 W27M1
- 18002 WOLTER, R. H. Planned cash flow keeps your money (and credit) working. *Doane's Agr. Rep.* 29(32):8-11. Nov.8,1966. 281.8 D652
- Credit
- 18003 ALLEN, P. T., EITEL, VAN E., and HAMLIN, E. T. Financial progress of borrowers who recently refinanced their farm mortgage loans. *Agr. Finance Rev.* 27:1-11. Oct.1966. 1.9 Ec78Af
- 18004 BOCKELMANN, H. VON. Agricultural mechanization in the shadow of the credit shortage. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(42):1561-1562,1576. Oct.20,1966. 18 N39
- 18005 EVANS, C. D. Loans to new borrowers by Farmers Home Administration and Production Credit Associations in South Dakota. *Agr. Finance Rev.* 27:26-36. Oct.1966. 1.9 Ec78Af
- 18006 FAIR, E. W. 15 steps to better credit customers; by spending more time investigating the background of the credit applicant, the farm supplier can reduce losses and prevent some unnecessary headaches. *Feed Farm Supplier* 40(11):16-17. Nov.1966. 47.8 H28
- 18007 FOX, G. S. What the system of farm credit banks means to the individual farmer. *Yield* 2(2):8-9,14. May 1966. HD1491.A1Y5
Cooperatives
- 18008 KRUSMANN, W. Tree nurseries as seen by banks. (Ge) *Deut. Baumschule* 18(5):126-133. May 1,1966. 80 D486
Credit policies.
- 18009 LINDQUIST, S. The American cooperative farm credit movement. (Sw) *Sveriges Jordbräksseförbund. Jordbräksseförbunds. 25(5):* 152-160. 1965. 284.29 Sv2
- 18010 MARTIRANO, G. Agricultural credit must be renewed. (It) *Esso Agr.* 15(4):7. Aug.1,1966. 58.8 Es7
- 18011 OHLSSON, B. Farm management support. (Sw) *Farskotslet* 46(2):60-63. Mar.1966. 45.9 Sv2
Credit.
- 18012 PENNSYLVANIA, STATE UNIVERSITY, COLLEGE OF AGRICULTURE AND HOME ECONOMICS. Credit can be a useful tool. *Penn. State Univ. Ext. Leaf.* 292,8 p.-folder. Oct. 1966. 275.29 P38L
- 18013 RESERVE BANK OF INDIA, STANDING ADVISORY COMMITTEE ON AGRICULTURAL CREDIT. Proceedings of the twenty-eighth meeting. Bombay, 1966. 135 p. 284.29 R312
- 18014 RISSIK, G. South African Reserve Bank. *Farming S. Afr.* 42(6):27-32. Sept.1966. 24 S6842
- 18015 SAMBERGS, A. The farm credit market 1963-64. (Sw) *Sveriges Jordbräksseförbund. Jordbräksseförbunds. 25(5):* 161-169. 1965. 284.29 Sv2
- 18016 SCHWENK, F. N. Buying now?—Bills later? Take a good look at Christmas credit. *Iowa Farm Sci.* 21(5/8):9-10. Nov./Dec.1966. 275.28 I694
- 18017 SMITH, B. L. Agriculture—an industry for profitable investment. *West. Banker* 117(4): 272-273. Oct.1966. 284.8 C63
Credit.
- 18018 U. S. FARMERS HOME ADMIN. Press reports: building rural America; rural areas development. Washington, 1966. 51 p. AH2051.U5A5
Agricultural credit.
- 18019 U. S. FARMERS HOME ADMIN. Real estate loan allotments and obligations, 1965 fiscal year through June 30. Washington, 1965. 25 p. A284.29 F232
Statistics.
- 18020 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Credit checklist; analysis of an opinion. *Wash. State Univ. Ext. E. M.* 2696,1 p. Sept.1966. 275.29 W27M1
Consumer.
- 18021 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. How to figure interest rate. *Wash. State Univ. Ext. E. M.* 2698,1 p. Sept. 1966. 275.29 W27M1
- 18022 WILLIAMS, D. New developments in the rural housing credit programs of the Farmers Home Administration. *Agr. Finance Rev.* 27:48-53. Oct.1966. 1.9 Ec78Af
- Income
- 18023 FANEGRAD, C. F. Striking points from the historical perspective of economics, land, and rent. (Du) *Pacht* 26(10):290-298. (Cont.) Oct.1966. 282.8 P11
Ricardian theory.
- Insurance
- 18021 BARBER-LOMAX, J. W. Benevolence and defence: the National Veterinary Benevolent and Mutual Defence Society. *Veterinarian [Oxford]* 3(4):249-254. Dec.1965. 41.8 V6467
In Great Britain.
- 18025 BENOIT, A. Contribution à l'étude de la protection sociale agricole et de la mutualité sociale agricole [Contribution to the study of farm social protection and farm social mutuality]. *Alfort. Ecole Nat. Vet.* These 54,76 p. Ref. 1966. 41.2 AL23
- 18026 IS THE new method of establishing payments toward social security favorable to the workers; provisions of the decree of April 20, 1950 refer to the SMAG [guaranteed minimum wage in agriculture]. (Fr) *Agr. Prat.* 130(8,i.e.9): 26-29. Sept.1966. 14 J82
- 18027 LARSON, D. K. Evaluation of crop risk-protection benefits of wheat and feed grain programs. *Agr. Finance Rev.* 27:20-25. Oct.1966. 1.9 Ec78Af
- 18028 LIGGETT, E. P. Social security. *Wash. State Univ. Ext. E. M.* 2466,rev.,8 p. Sept.1966. 275.29 W27M1
- 18029 REINSEL, E. I. An analysis of farm social security tax returns. *Agr. Finance Rev.* 27: 37-47. Oct.1966. 1.9 Ec78Af
- 18030 ROBERTSON, D. S. Insurance available to the farmer. *Queensland Agr. J.* 92(9):564-567. Sept.1966. 23 Q33
- Taxation
- 18031 CAMAMILE, G. H., and CARTER, E. S. Accounting years and tax years (companies). *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10): 493-494. (Cont.) Oct.1966. 10 G79J

- 18032 COLVILLE, W. C. Florida's Green Belt Law. Forest Farmer 25(12):6-7, 18. Aug. 1966. 99.8 F7692
Agricultural land assessment by the Green Belt Act of 1959.
- 18033 GROSS, R. The equalization levy in the light of the latest decisions of the Federal Constitutional Court. (Ge) Schlacht-Viehhof-Zeitung 65(1):21-24. Jan. 1965. 286.85 D48
- 18034 JARVELA, H. Agricultural taxation. (Sw) Tidskr. Lantman. Andelsfolk 20:441-443. Oct. 30, 1965. 20 T43
Finland.
- 18035 JOPEK, J. J. Taxes for recreation facilities? IL Res. 8(4):16. Fall 1966. 100 IL64
- 18036 MAROUSEK, G. Income, assets, and tax policy. J. Farm Econ. 48(4, pt. 1):1024-1025. Nov. 1966. 280.8 J822
- 18037 THOMPSON, J., and others. Taxes, people, Plains. I. Why be concerned? S. Dak. State Univ. Ext. Circ. 645, 7 p., map. Jan. 1966. 275.29 So85
N. Dorow, E. Peterson, J. Timmons, R. Bevins, J. Bower, V. House, K. Oakleaf, and J. T. Stone, joint authors.
Great Plains.
- 18038 THOMPSON, J., and others. Taxes, people, Plains. II. Providing and paying for public services. S. Dak. State Univ. Ext. Circ. 654, 13 p., map. Jan. 1966. 275.29 So85
N. Dorow, E. Peterson, J. Timmons, R. Bevins, J. Bower, V. House, K. Oakleaf, and J. T. Stone, joint authors.
Great Plains.
- 18039 THOMPSON, J., and others. Taxes, people, Plains. II. Providing and paying for public services. S. Dak. State Univ. Ext. Circ. 654, 13 p., map. Jan. 1966. 275.29 So85
N. Dorow, E. Peterson, J. Timmons, R. Bevins, J. Bower, V. House, K. Oakleaf, and J. T. Stone, joint authors.
Great Plains.
- AGRICULTURAL LABOR AND WAGES
- 18039 ALTAISKII, I. P. Efficient ways of work management in collective and state farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:3-19. 1965. 281.9 M852
- 18040 AREF'EV, V. I. Work management in mechanized swine breeding farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:56-61. 1965. 281.9 M852
- 18041 BARANOVA, N. M. Organization of two-shift work of milkmaids. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:31-37. 1965. 281.9 M852
- 18042 CANNON, G. The Wage-Hour Law and agriculture. Farm Quart. 21(6):60-61, 96, 100. Winter 1966/67. 6 F22995
Fair Labor Standards Act.
- 18043 CAVENDER, N. Farmhand schools for better workers. Farm Quart. 21(5):48-51, 104, 106, 108. Fall 1966. 6 F22995
- 18044 CHESHKOV, A. F., and CHUKINS, L. N. Organization and remuneration of labor in soybean production in state farms of Amur Region. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:62-72. 1965. 281.9 M852
- 18045 EVSTIGNEEVA, YU. G. Setting up labor norms in united agricultural cooperatives in Czechoslovakia. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:115-119. 1965. 281.9 M852
Wages.
- 18046 FLORENTINO, R. F. Energy requirements of Filipinos. Philippine J. Nutr. 19(1/2):50-71. Ref., p. 69-71. Jan./June 1966. 389.8 N9524
Includes recommended caloric allowances.
- 18047 GEVORKYAN, V. Organization and remuneration of labor in collective farms. (Arm) Nar. Khoz. Armenii 10:58-66. Oct. 1966. 280.8 N166
- 18048 JANSSEN, H. A pull-out punched card system as an aid to labour-cost recording. (Ge) Agrarwirtschaft 15(11):407-410. Nov. 1966. 281.8 Ag826
English summary.
- 18049 KNOOP, J. G. Strike, boycott and contract. Farm Quart. 21(5):56-58, 100. Fall 1966. 6 F22995
Labor in California.
- 18050 KOCHETKOV, S. V. Separate section system of organization of pork production. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:47-55. 1965. 281.9 M852
Work management on swine farms.
- 18051 KUZNETSOV, G. Y. Material'noe stimulirovanie truda v kolhozakh [Material stimulation of labor on the collective farms]. Moskva, Mysl', 1966. 183 p. Ref. HD1492.R9K8
- 18052 MARDOYAN, A. New system of labor remuneration in collective farms. (Arm) Nar. Khoz. Armenii 10:21-29. Oct. 1966. 280.8 N166
Russian summary, p. 85.
- 18053 MARKS, J. J. How will dairymen find and keep good hired labor and meet pressures for more efficiency? Dairy Herd Manage. 2(3):16, 42-43. Apr. 1966. SF191.D3
In Michigan.
- 18054 MATTESSON, H. R. Determining the competencies needed for employment in non-farm agricultural occupations with implications to curriculum development. Diss. Abstr., Sect. B, 27(4):1004B. Oct. 1966. Z5055.U49D53
- 18055 MCGEE, I. C. The identification and analysis of agricultural occupations in seventeen Pennsylvania counties. Diss. Abstr., Sect. B, 27(3):651B-652B. Sept. 1966. Z5055.U49D53
- 18056 NAGY, S. Development of labor remuneration in production cooperatives. (Hu) Gazdalkodas 10(5):1-7. Oct. 1966. 281.8 G25
- 18057 NYGAARD, A. Arbeidsmetoder og arbeidsstidsbehov ved fylling og uttak av horisontale siloer [Working methods and working hours required for filling and removal of silage from horizontal silos]. Norges Landbrukskolegsk. Inst. Bygningsteknikk. Stensiltrykk 58, 21 p. June 1966. 49.9 N76
- 18058 POOLE, R. Wage and hour comes to the cow country. I. N. Mex. Stockman 31(11):14. Nov. 1966. 49 N462
An interpretation of the Fair Labor Standards Act as it applies to ranching.
- 18059 POSTMA, G. Milking methods, labor management, labor productivity and income on dairy farms. (Du) Veelekt Zuivelber. 9(5):203-211. May 1966. 49 V51
- 18060 PRICE, J. E., and ETHERINGTON, D. M. The paradox of surplus agricultural labor and positive marginal productivity of labor. Indian Econ. J. 13(5):682-687. Apr./June 1966. 280.8 In292
- 18061 RAPTON, A. Seasonal work patterns of the hired farm working force of 1964. U. S. D. A. Agr. Econ. Rep. 102, 29 p. Oct. 1966. A281.9 Ag6A
Statistics.
- 18062 RAUSCH, H. The work physiology bases of nutritional physiology. (Ge) Ernahr. Lehre Praxis 4:13-16. In Ernahr.-Umsch. 13(4). Apr. 1966. 389.8 Er66
- 18063 REUTER, G. Transport brigades for root crop harvesting in cooperative management of socialist farms. (Ge) Deut. Landwirt. 17(9):437-438. Sept. 1966. 18 D4822
- 18064 ROTHENBURGER, W. Report of times of cultivation as initial data for estimated labour requirement on vegetable farms. (Ge) Agrarwirtschaft 15(11):401-406. Ref. Nov. 1966. 281.8 Ag826
English summary.
- 18065 SHLYAKHTIN, V. Problems of increasing labor productivity in dairy farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:20-30. 1965. 281.9 M852
- 18066 SOSKIEV, A. B. Efficient utilization of labor resources as factor of increased labor productivity. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:73-80. 1965. 281.9 M852
- 18067 STOFFERT, G. The development and present position of work study in commercial horticulture. (Ge) Agrarwirtschaft 15(11):396-401. Ref. Nov. 1966. 281.8 Ag826
English summary.
- 18068 SUGGS, C. W. Role of enthalpy in heat loss. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):322-325. 1966. 290.9 Am32T
Human physiology in relation to workloads.

- 18069 USPENSKII, B. P. Mechanized crews in cattle fattening state farms of the Stavropol Territory. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:36-46. 1965. 281.9 M852
- 18070 VAN DER WESTHUIZEN, J. N. Labour planning—can we omit it? Farming S. Afr. 42 (7):26-27. Oct. 1966. 24 So842
- 18071 WAGES in agriculture: constant improvement. (Fr) Agr. Prat. 130(8,i.e.9):20-23. Sept. 1966. 14 J82
Minimum wage.
- 18072 WOOTEN, P. Seasonal labor, and plenty of it. Farm Quart. 21(5):42-45, 93-94. Fall 1966. 6 F22995
Use of Puerto Rican workers in New Jersey.
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 18073 AYBAR, A. Community development. (Sp) Agricultura [Santo Domingo] 434/435:13-14, 25-26, 33. July/Aug. 1966. 8 R323
Dominican Republic.
- 18074 BARBA, L. D. At the beginning of the agricultural year. (It) Bull. Agr. [Milano] 99(20):1-2. Oct. 15, 1965. 16 B87
- 18075 BERTIN-ROULLEAU, J. Green Europe is born. (Fr) Rev. Conserv. 21(6):53-55. Sept./Oct. 1966. 389.8 R326
- 18076 CANADA. DEPT OF FORESTRY. The ARDA catalogue, April 1, 1965—March 31, 1966. Ottawa, 1966. 58 p. 281.9 C1622
Statistical compilation of projects begun under the Federal-Provincial Rural Development Agreement 1965-70.
- 18077 DALY, R. F. The agricultural situation and outlook for 1967. Cattleman 53(7):31-34. Dec. 1966. 49 C29
- 18078 DODDSON, J. C. Outlook for agriculture in Argentina—expansion foreseen, but concern about inflation persists. Foreign Agr. Incl. Foreign Crops Markets 4(47):3. Nov. 21, 1966. A281.9 F76Fo
- 18079 ELLENBOGEN, B. L. Rural development in Brazil: perspectives and paradoxes. Cornell Int. Agr. Develop. Mimeogr. 9, 20 p. Ref. 1964. 281.8 C814
- 18080 FARD, M. K. P. Stand und Entwicklungsmöglichkeiten der Landwirtschaft in der Provinz Khuzistan, Iran [Status and developmental possibilities of agriculture in the Khuzistan Province of Iran]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 15, 148 p., map. 1965. 105.8 B644
Bibliography, p. 142-148.
- 18081 FOX, G. S. Agriculture's balance sheet—1965. Yield 1(7):6-7. Oct. 1965. HD1491.A1Y5
- 18082 FRANCE. DIRECTION DE LA DOCUMENTATION. La coopération entre la France, l'Afrique Noire d'expression française et Madagascar [Cooperation between France, native Africa of French sentiment, and Madagascar]. France. Dir. Doc. Notes Etudes Doc. 3330, 47 p. Oct. 25, 1966. 280.9 F843
Contains a chapter on agriculture.
- 18083 FRASSOLDATI, C. Trends and prospects of agrarian law. (It) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrários, p. 153-171. 1965. HD786.L5
- 18084 FREISBERG, E. The situation of European regulations on the Common Market. (Ge) Landwirt. Forsch. Sonderheft 20:39-53. 1966. 18 L2333A
Agricultural policy.
- 18085 FUGE, G. Development of agriculture in the year 1965. (Ge) Z. Agrarikon. 9(6):283-292. 1966. 281.8 Z3
East Germany.
- 18086 FYUGE, G. Development of the agriculture in the German Democratic Republic in 1965. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:31-34. 1966. 20 M57
- 18087 GENIN, A. Prospects of French agriculture in European agriculture. (Fr) Inform. Doc. Agr. 19(20):27-33. (Cont.) Oct. 15, 1965. 14 In32
The Common Market.
- 18088 GRADY, J. C. Southwestern agriculture in 1966. Fed. Reserve Bank Dallas. Bus. Rev., Dec. 1966:9-11. 284.8 F81D
- 18089 GVATI, H. Agricultural development aims. Agr. Israel 11(1):47. Oct. 1965. 22.5 Ag825
- 18090 ITALY. ISTITUTO NAZIONALE DI ECONOMIA AGRARIA. Annuario dell'agricoltura italiana [Annual of Italian agriculture]. Volume XIX: 1965. Roma, 1966. 474 p. 281.8 An7
- 18091 JOHNS, A. T. Progress in agriculture. N. Z. [New Zeal.] Fert. J. 29:2. Dec. 1966. 57.8 N48
- 18092 FEAST, J. D. ASCS relaxes policy on soil conserving base acres. Doane's Agr. Rep. 29(32):30-31. Nov. 8, 1966. 281.8 D652
- 18093 KELLOGG, W. K., FOUNDATION. Annual report, 1966. Battle Creek, Michigan, 1966. 179 p. 280.9 W11
Includes rural development and education.
- 18094 KIRKENDALL, R. S. Social scientists and farm politics in the age of Roosevelt. Columbia, University of Missouri Press, 1966. 358 p. HD1761.K5
Bibliography, p. 331-349.
- 18095 KNOERCK, J. Measures to improve the planning and management of agriculture in 1967—1968 by economic methods. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 484:1-6. Oct. 18, 1966. (JPRES 38,200; TT 66-34627) 173 J6633te
Translation from Die Deutsche Landwirtschaft 17(9):417-419. Sept. 1966.
Issued by CFSTI.
- 18096 KNORCK, J. Methods for improving the planning and management of agriculture with economic measures in the years 1967/68. (Ge) Deut. Landwirt. 17(9):417-449. Sept. 1966. 18 D4822
- 18097 KOELLER, H. L. French agriculture continues strong despite decline in crop output. Foreign Agr. Incl. Foreign Crops Markets 4(49):8. Dec. 5, 1966. A281.9 F76Fo
- 18098 KONOSHIMA, S. Directory of community development institutions in Asia. East-West Center. Libr. Occas. Pap. 3, 109 p. 1965. Z3001.E22
- 18099 KOTTER, H., ed. Landentwicklung; soziologische und ökonomische Aspekte [Land development; sociological and economic aspects]. Ges. Wirtsch.-Sozialwiss. Landbaus. Schr. 3, 123 p., map. Ref. 1966. 281.9 G33
- 18100 KUZINA, I. M. Social-economic map of agricultural regions in the USA. (Rus) Moscow. Univ. Vestnik Ser. 5. Geogr. 1:91-95, map. Jan./Feb. 1966. 331.9 M85
- 18101 LEDJE, I. How will Swedish agriculture develop during the next 10 years? (Sw) Lantmannen 76(19):8, 10, 13-14. Sept. 18, 1965. 11 L234
- 18102 LEDJE, I., and SODERBERG, S. Lantbrukets framtid i Värmland [Future of agriculture in Värmland]. I. Stockholm. Jordbrukets Utredningsinst. Medd. 2, 114 p., map. 1966. 11 St63M
- 18103 LEONIDAS, V. Fundamental aspects of agrarian policy. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrários, p. 53-79. 1965. HD786.L5
- 18104 LINDENAU, H. Use of mathematical methods and models in the planning and management of agriculture in the DDR. (Ge) Deut. Landwirt. 17(9):422-424. Sept. 1966. 18 D4822
Includes linear programming.
- 18105 MADASH, A. Results of the second Five-Year Plan in Hungary. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:26-31. 1966. 20 M57
- 18106 MAMAEVA, K. I. Role of rural intelligentsia in strengthening economic basis for development of collective and state farms. (Rus) Latv. PSR Zinat. Akad. Vestis 5:3-15. Ref. 1966. 511 R442
According to party policies.
- 18107 MARCHAI, A. Fundamental data on the common agricultural policy. (Fr) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrários, p. 191-207. 1965. HD786.L5
- 18108 MASS, D. The farming year 1964/65. Agr. Israel 10(11/12):67-66. Aug./Sept. 1965. 22.5 Ag825
- 18109 MEDICI, G. The new "Green Plan." (It) Ital. Agr. 103(6):541-544. June 1966. 16 It1

- 18110 MONCURE, R. C. Botswana and Lesotho join the rank of Africa's free nations. Foreign Agr. Incl. Foreign Crops Markets 4(45):17-18. Nov. 7, 1966. A281.9 F76Fo
- 18111 MORTON, R. A. Farming cameo: series 3. 45. Hailsham, East Sussex. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):499-500. Oct. 1966. 10 G79J
- 18112 NUNN, G. R. South and Southeast Asia, a bibliography of bibliographies. East-West Center. Libr. Occas. Pap. 4, 59 p. 1966. Z3001.E22
Includes data on agriculture for which the index should be consulted.
- 18113 PAKISTAN ACADEMY FOR RURAL DEVELOPMENT. The Comilla rural administration experiment: third annual report 1964-65. Kotbari, 1965. 56 p. 281.29 P172C
- 18114 READ, F. M. The profession and the community. Australian Inst. Agr. Sci. J. 32(2):118-124. June 1966. 23 Au74
Australian Institute of Agricultural Science; contribution of science to agriculture.
- 18115 RIEMANN, E., and others. Anleitung und Planungsrahmen zur Landentwicklung und Dorferneuerung [Instruction and planning framework for rural development and village renewal]. Agrarsoz. Ges. Materialsamml. 51, 196 p., map. June 1966. 281.9 Ag862M
P. Bey, A. Gehrke, W. Heidtmann, H. Wiese, H. Rosenbaum, H. J. Berlin, M. Bernsdorff, J. F. Bornke, E. Heiber, L. Heller, F. W. Krohne, and M. Prigge, joint authors.
- 18116 RIEMANN, F., and others. Planung und Durchführung von Programmen zur Landentwicklung [Planning and carrying out of rural development programs]. Agrarsoz. Ges. Materialsamml. 50, 228 p., map. June 1966. 281.9 Ag862M
P. Bey, A. Gehrke, W. Heidtmann, H. Wiese, and H. Rosenbaum, joint authors.
- 18117 ROKAH, A. Development program for Crete. Agr. Israel 11(1):46. Oct. 1965. 22.5 Ag825
- 18118 SCHILLING, H. Alarming results in spite of manipulation! On the "1966 Green Report." (Ge) Z. Agrarök. 9(6):293-302. 1966. 281.8 Z3
- 18119 SCHNITTKER, J. A. Agriculture, a story of progress; remarks at the annual meeting of the Cotton Producers Association, Atlanta, Georgia, November 22, 1965. Washington, U. S. D. A., Office of the Secretary, 1965. 13 p. A281.9 Sch2
Outlook and policies.
- 18120 SIEBERT, A., and EDELHOFF, H. The future structure of West German agriculture. (Ge) Deut. Landwirt. 17(9):431-434. Sept. 1966. 18 D4822
- 18121 SIGY, G. DE H. DE. Agricultural study of the Ankazomanga Basin. (Fr) Agron. Trop. [Paris] 21(5):659-691, map. May 1966. 26 Ag86
English summary.
- 18122 SIMANTOV, A. Five years' development in agricultural policies subject for OECD meeting of ministers of agriculture. OECD (Organ. Econ. Co-op. Develop.) Observ. 24:12-13. Oct. 1966. 280.8 Oc2
- 18123 SINGLETON, C. B. An agricultural safari through East Africa's Great Rift Valley. Foreign Agr. Incl. Foreign Crops Markets 4(45):14-16. Nov. 7, 1966. A281.9 F76Fo
- 18124 SKINNER, S. W. Changing Africa: a new agricultural geography. Foreign Agr. Incl. Foreign Crops Markets 4(45):9-13, map. Nov. 7, 1966. A281.9 F76Fo
- 18125 SKINNER, S. W. Highlights of the agriculture and trade of the Ivory Coast. Foreign Agr. Incl. Foreign Crops Markets 4(49):16. Dec. 5, 1966. A281.9 F76Fo
- 18126 SOUTH PACIFIC CONFERENCE, 6, LAE, 1965. Report by the Secretary-General, South Pacific Commission. Noumea, South Pacific Commission, 1966. 40 p., map. 280.9 So825
Includes the report of the Work Programme Committee which contains the agricultural program.
- 18127 STRUZHEK, B. Problems of the agricultural intensification in the countries-members of the Council for Mutual Economic Assistance. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:21-25. 1966. 20 M57
- 18128 SWACKHAMER, G. L. Agricultural outlook for 1967. Fed. Reserve Bank Kansas City. Mon. Rev., Nov./Dec. 1966:3-10. 284.8 F31K
- 18129 TEGELER, H. H. Highlights of the agriculture and trade of Israel. Foreign Agr. Incl. Foreign Crops Markets 4(47):12. Nov. 21, 1966. A281.9 F76Fo
- 18130 TEGELER, H. H. Highlights of the agriculture and trade of Turkey. Foreign Agr. Incl. Foreign Crops Markets 4(48):16. Nov. 28, 1966. A281.9 F76Fo
- 18131 TETRO, R. C. Adjustment problems continue to handicap Italian agriculture. Foreign Agr. Incl. Foreign Crops Markets 4(48):8. Nov. 28, 1966. A281.9 F76Fo
In relation to the EEC.
- 18132 UPTON, M., and PETU, D. A. A study of farming in two villages in the "middle belt" of Nigeria. Trop. Agr. [St. Augustine] 43(3):179-186. July 1966. 26 T754
- 18133 URFF, W. VON. How protectionist is the EEC agricultural policy? (Ge) Wirtschaftsdienst 46(8):431-438. Aug. 1966. 280.8 W74
- 18134 USHER, D. Income as a measure of productivity: alternative comparisons of agricultural and non-agricultural productivity in Thailand. Economica (n.s.) 33(132):430-441. Nov. 1966. 280.8 Ec73
- 18135 VELOZO, F. J. The element of spontaneity in the formation of agricultural law. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p. 209-258. Ref. 1965. HD786.L5
- 18136 WALLRABENSTEIN, P. P. Brrr—another icy winter? Not for some U.S. farmers (aloha). Agr. Situation [Washington] 50(12):1-2. Dec. 1966. 1 Ec7Ag
Agriculture—Hawaii.
- 18137 WATERS, J. B. The conflicts in agricultural policy making. Diss. Abstr., Sect. A, 27(3): 810A-811A. Sept. 1966. Z505.U49D5
- 18138 WILLIAMS, L. R. Iceland: farming at the rim of the Arctic Circle. Foreign Agr. Incl. Foreign Crops Markets 4(48):6-7. Nov. 28, 1966. A281.9 F76Fo
- 18139 WOHRMANN, O. Das Landwirtschaftsrecht mit ausführlicher Erläuterung der Hofordnung [Agricultural law with detailed explanation of farm inheritance]. Ed. 2, completely rev. Schloss Bleckede an der Elbe, Meissner, 1966. 730 p. HD1165.G3G4

Subsidies

- 18140 MORTON, J. I. Cites technique to shrink subsidy levels. (Excerpts) Tobacco [New York] 163(20):15, 30. Nov. 11, 1966. 286.89 T552

FARM MANAGEMENT AND LAND ECONOMICS

- 18141 ALMASI, I. Mileny a jo tsz-vezetes? [How is the good leadership of production cooperatives?] Budapest, Kossuth Könyvtár, 1966. 93 p. HD1492.H8A8
- 18142 ANDREAE, B. Ohne Hackfruchtbau und Milchviehhaltung? Entscheidungshilfen für die Praxis [Without root crop culture and dairy cattle raising? Aids to decision for practice]. Betriebs- Arbeitswirtsch. Praxis 11, 83 p. Ref. p. 79-81. 1966. 281.8 B463
- 18143 AVETISYAN, A. M. Economic effectiveness of concentration of viticulture in Nagorno-Karabakh Autonomous Region. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:107-114. 1965. 281.9 M852

- 18144 BADEWITZ, S. Intensification and rationalization—measures and criteria for their measurement. (Ge) *Z. Agrarökön.* 9(6):303-313. Ref. 1966. 281.8 Z3
In agriculture.
- 18145 BARLOW, C. Estimation of crop production relations and their use in farm planning. *Exp. Agr.* 2(4):317-329. Ref. Oct. 1966. 10 Ex72
Linear programming and input-output analysis.
- 18146 BAUMER, E. F. An analysis of selected farm organizations in northeastern Ohio with special reference to dairy marketing cooperatives. Ohio. State Univ. Dep. Agr. Econ. Rural Sociol. A.E. 395,34 p. Apr. 1966. 281.9 Oh32
- 18147 BEHRMAN, J. R. Price elasticity of the marketed surplus of a subsistence crop. *J. Farm Econ.* 48(4,pt.1):875-893. Ref. Nov. 1966. 280.8 J822
Supply response applied to Thai rice.
- 18148 BINKHORST, L. W. Technical advances in agriculture. (Du) *Econ.-Statist. Ber.* 51(2564): 1083-1084. Oct. 19, 1966. 280.8 Ec722
- 18149 BRANDES, W. Wie plane ich meinen Betrieb? Eine Einführung in die lineare Programmierung und in einfache Kalkulationsmethoden für die landwirtschaftliche Praxis und Beratung [How do I plan my farm? An introduction to linear programming and simple methods of calculation for agricultural practice and extension]. Hamburg, Parey, 1966. 109 p. Ref. HD1415.B7
- 18150 BUHMANN, H. Agriculture or hobby? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(38):1434-1435. Sept. 22, 1966. 18 N39
- 18151 CASLER, G. L. The effect of cardiovascular impairment on farm organization. Diss. Abstr., Sect. A, 27(2):294A. Aug. 1966. Z5055.U49D5
- 18152 CROWLEY, V. E. Factors affecting resource adjustments in agriculture under alternative tenure arrangements in northern Missouri. Diss. Abstr., Sect. A, 27(4):852A-853A. Oct. 1966. Z5055.U49D5
- 18153 CSAKI, C. Internal relations in state farms. (Hu) *Statist. Szemle* 44(10):987-999. Ref. Oct. 1966. 266.5 S2M
English summary.
Statistical methods applied in management.
- 18154 CSETE, L., and HALASZ, K. Problems of prospective development of collective farms situated on the northern shores of Lake Balaton. (Hu) *Gazdalkodas* 10(5):33-52, map. Oct. 1966. 281.8 G25
English summary.
- 18155 DINNYES, J., and SZEMES, L. Household farms of members of production cooperatives. (Hu) *Gazdalkodas* 10(5):17-32. Oct. 1966. 281.8 G25
German summary.
- 18156 DU FONTENIOUX. Local studies of structures of farms as basis for the activities of the Societies of Land Management and Rural Settlement [Societes d'Aménagement Foncier et d'Etablissement Rural]. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52 (10):711-724. June 1/8, 1966. 14 P215Bc
Includes discussion.
- 18157 ELDIK, J. VAN, and BOSCH, L. Een beregeningsbedrijf van 72 ha op de Veluwe [An irrigation farm of 72 hectare at Veluwe]. Wageningen. Proefsta. Akker-Weidebouw. Meded. 123, 50 p. Sept. 1966. 64.9 W122
- 18158 ELLINGTON, C. P., and KUHN, A. O. Your guide to improved crop systems. *World Farming* 8(8):24-26, 46-47, 55. Aug. 1966. 30.08 W89
Forage production programs on livestock farms.
- 18159 EVANS, D. H. An introduction to the economics of the farm business; lectures given at an O.E.C.D. course for the training of officers for work with agricultural co-operatives in Greece, Athens July/August, 1965. Aberystwyth, University College of Wales, Department of Agricultural Economics, 1966. 59 p. HD1415.E8
- 18160 FELLOWS, I. F., and PHILLIPS, W. E. Impact upon net income of added capital invested on Connecticut dairy farms. *Conn. (Storrs) Agr. Exp. Sta. Res. Rep.* 14,19 p. July 1966. 100 C76Re
- 18161 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. REGIONAL WORKING PARTY ON FARM MANAGEMENT. Third session held in New Delhi from 11 to 20 April; brief report of conference. *Agr. Situation India* 21(2/3):119-158. May/June 1966. 281.9 In23
- 18162 FORSEN, E. Improvement of dairy barns and cooperative dairy barns. (Sw) *Tidskr. Lantman. Andelsfolk* 22:503. Nov. 30, 1965. 20 T43
Finland.
- 18163 FOSTER, J. The planning season. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10):453. Oct. 1966. 10 G79J
Farm management.
- 18164 FRENCHLEY, G. A. G., TONKIN, R. H. B., and JOHNSON, R. W. M. Programming farm development; two case studies of hill country farms in North Canterbury. *Lincoln Coll. Agr. Econ. Res. Unit. Publ.* 35, 53 p. 1966. 281.9 L632
Budgeting.
- 18165 GLAEVER, H. B. Optimal dairy cow replacement policies. Diss. Abstr., Sect. A, 27(3): 563A-564A. Sept. 1966. Z5055.U49D5
- 18166 GRIBANOV, P. Using each hectare of soil properly. (Rus) *Zemledelie* 9:47-50. Sept. 1966. 20 Z44
Management of collective farm.
- 18167 HANCOCK, W. O. Farm plans and supply response estimates for Indiana: hog and beef cattle farms. Diss. Abstr., Sect. A, 27(2):295A. Aug. 1966. Z5055.U49D5
- 18168 HARRIS, H. M., and WILSON, L. E. Size adjustments of Alabama Grade A milk producers. *Ala. Agr. Exp. Sta. Bull.* 371, 31 p., map. Oct. 1966. 100 ALIS
- 18169 HARTMANN, A. Large farm with dairy cattle raising? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(39):1451-1454. Sept. 29, 1966. 18 N39
- 18170 HENDERSON, P. C. The public domain in Arizona: 1863-1891. Diss. Abstr., Sect. A, 27(4): 1007A. Oct. 1966. Z5055.U49D5
- 18171 HENLEY, D. Hog finishing contracts offered in many forms. *Doane's Agr. Rep.* 29(32):19-21. Nov. 8, 1966. 281.8 D652
- 18172 HERBST, J. H. Multi-media techniques for teaching farm management. *J. Farm Econ.* 48(4,pt.1):1028-1030. Nov. 1966. 280.8 J822
- 18173 HOBBS, A. W. Planning a dairy farm. *West. Australia. Dep. Agr. J. (ser. 4)7(5):217-220.* May 1966. 23 W52J
- 18174 HOGSTROM, A. W. Agriculture in Williams—West Arthur; report of a survey of farm practices. *West. Australia. Dep. Agr. J. (ser. 4)7(3):318-320, 323-326, 329-331, map.* July 1966. 23 W52J
- 18175 HRABOVSKY, J. P. Identifying problems in farm management and orienting research to their solution. *Farm Manage. Notes Asia Far East* 2(2):5-11. July 1966. 281.8 F2228
- 18176 HUBBARD, D. Stocker-feeder programs, are they for you? *Cattleman* 53(9):58. Nov. 1966. 49 C29
Management of beef cattle farms.
- 18177 ISHCHANOV, M. Some peculiarities of intensified cotton growing in Khorezm Region. (Rus) *Leningrad. Univ. Vestnik Ser. Geol. Geogr.* 2: 83-89. 1966. 403 L54
English summary.
Farm management.
- 18178 KANORIA, T. Some suggestions to growers for improved methods of cane plantations in northern India. *Indian Sugar [Calcutta]* 16(2): 93-94. May 1966. 65.8 In26
- 18179 KAUSHIK, R. N. Teaching of farm management in agricultural colleges in India. *Agr. Situation India* 21(2/3):152-153. May/June 1966. 281.9 In23

- 18180 KHARITONOV, N. S. Efficient distribution of agricultural production by the method of linear programming. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:81-93. 1965. 281.9 M852
- 18181 KISLEV, Y. Overestimates of returns to scale in agriculture—a case of synchronized aggregation. *J. Farm Econ.* 48(4,pt.1):967-983. Ref. Nov. 1966. 280.8 J822
Production functions.
- 18182 KLAASSENS, K. Bedrijfsplannen voor een gemengd bedrijf van 24 ha in de Noordostpolder [Farm plan for a diversified farm of 24 ha. in the Northeast Polder]. *Landbouw-Econ. Inst. Stud.* 41,78 p. July 1966. 281.9 L23S
- 18183 KLAVINS, D. Application of mathematical methods for determining the optimal structure of tractor units of agricultural enterprise. (Lat) *Latv. PSR Zinat. Akad. Vestis* 9:27-36. 1965. 511 R442
- 18184 KONGSVIK, R. Three types of management with different results. (No) *Norsk Landbruk* 11:8-9. June 3, 1966. 11 N8122
Returns.
- 18185 LANSFORD, R. R. Personal attributes of farmers related to earnings. *Diss. Abstr.*, Sect. A, 27(4):854A. Oct. 1966. Z5055.U49D5
Includes management ability and education.
- 18186 LEHMANN, G. On the concentration process in Netherlands agriculture. (Ge) *Z. Agrarök.* 9(6):328-334. Ref. 1966. 281.8 Z3
Farm size, specialization and concentration, and intensification.
- 18187 LLOYD, A. G. Priorities in farm development. *Wool Technol. Sheep Breeding* 13(1):11-16. July 1966. 304.8 W888
Management in Australia.
- 18188 MADDEN, J. P. Fiction and farm classification: reply. *J. Farm Econ.* 48(4,pt.1):1030-1032. Nov. 1966. 280.8 J822
- 18189 MITRA, A. K. Influence of specific agricultural resource adjustments on the growth and development of the rural sector in the district of Burdwan, India. *Diss. Abstr.*, Sect. A, 27(2):295A-296A. Aug. 1966. Z5055.U49D5
- 18190 MUELLER, R. G. Economies of size and management alternatives of commercial cow-calf ranches in Washington. *Diss. Abstr.*, Sect. A, 27(2):296A. Aug. 1966. Z5055.U49D5
- 18191 NESTEL, B. L. Some aspects of livestock development. *Veterinarian [Oxford]* 3(3):151-159. Sept. 1965. 41.8 V6487
Potential for livestock farms in Jamaica; includes outlook.
- 18192 NUGENT, H. Federal mineral leasing: a study of rule-making and market realities. *Harvard Univ. Grad. Sch. Public Admin. Public Policy* 15:34-51. 1966. 280.9 H263
- 18193 ONG, S. E. Summary report: survey on the teaching of farm management at agricultural institutions of higher learning in Asia and the Far East. *Farm Manage. Notes Asia Far East* 2(2):19-29. July 1966. 281.8 F228
- 18194 PATHAK, S. M. Farm planning in Intensive Agricultural District Programme in India. *Agr. Situation India* 21(2/3):154-156. May/June 1966. 281.9 In23
- 18195 QUEENSLAND, DEPT. OF LANDS. Annual report of the Land Administration Commission 1965-66. Brisbane, 1966. various paging. 271.3 P96
- 18196 RACZYK, W. Important tasks in animal production in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. *Agr. Forest. Food Indus.* 45:124-31. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663St
Farm management in Poland.
Translation from *Przegląd Hodowlany* 9:1-3. May 1966.
Issued by CFSTI.
- 18197 RECOMMENDATIONS for the use of linear optimization in the planning of socialist farm organization in the DDR. (Ge) *Z. Agrarök.* 9(6):314-319. 1966. 281.8 Z3
- 18198 ROSSI, M. A. Concepts on farm management. (Sp) *Bolsa Com. Rosario. Rev.* 54(1312):7-9. Sept. 30, 1966. 287 R71
- 18199 SAMBERGS, A., and HEDQUIST, L. Lantbrukets struktur- och befolkningsslag varen 1966 [The structural and population situation in Swedish agriculture in the spring 1966]. *Stockholm. Jordbrukets Utredningsinst. Medd.* 4, 29 p. 1966. 11 S63M
English summary.
Chiefly number and size of farms.
- 18200 SARAN, R. Present status of farm management work in India. *Agr. Situation India* 21(2/3):147-151. May/June 1966. 281.9 In23
- 18201 SARMA, J. S. Farm management. *Agr. Situation India* 21(2/3):144-146. May/June 1966. 281.9 In23
- 18202 SAKMA, J. S. Farm management investigation centres in India. *Farm Manage. Notes Asia Far East* 2(2):14-18. July 1966. 281.8 F2228
- 18203 SCHENK, E. W. The setting up of planning data for the horticultural holding as a problem of electronic data processing. (Ge) *Agrarwirtschaft* 15(11):390-396. Ref. Nov. 1966. 281.8 Ag826
English summary.
- 18204 SESMAT, L. Towards agricultural undertaking with the GAEC. (Fr) *Agr. Prat.* 130(8,i.e.9): 18-19. Sept. 1966. 14 J82
Agricultural Groups for Farming in Common—Groupements Agricoles d'Exploitation en Commun.
- 18205 SHIK, G. Trade and agreements in the new system of farm planning and management. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 5:45-48. 1966. 20 M57
USSR bloc.
- 18206 STEGMANN, H. Experiences in the optimization of economic results on collective farms. (Ge) *Z. Agrarök.* 9(6):319-328. 1966. 281.8 Z3
East Germany.
- 18207 SUBRAMANIAM, C. Farm management and accelerated agricultural growth. *Farm Manage. Notes Asia Far East* 2(2):1-4. July 1966. 281.8 F2228
- 18208 TOLLINI, H., and SCHUH, G. E. Produtividade marginal e uso dos recursos: análise da função de produção de leite em Leopoldina, M. G., ano agrícola 1961-1962 [Marginal productivity and use of resources; analysis of the production function of milk in Leopoldina, M.G., agricultural year 1961-1962]. *Experimentiae* 6(4), 144 p. Ref., p. 141-144. Apr. 1966. 102.5 EX7
English summary.
- 18209 TRUBILKO, N. P., and TONKOVICH, V. S., ed. *Ekonomika i organizatsiya sotsyalisticheskogo sel'skogo khozaystva* [Economic structure and organization of collective farming]. Minsk, Vysshaya Shkola, 1965. 163 p. Ref. HD1995.W5T7
- 18210 U. S. DEPT. OF AGRICULTURE, OFF. OF INFORMATION. USDA helps expand outdoor recreation for fun and profit. U. S. D. A. PA-780, 16 p. map, Oct. 1966. 1 Ag84Pro
- 18211 U. S. FARMERS HOME ADMIN. Increasing farm and ranch income through grazing associations. U. S. D. A. PA-773, 4 p. Aug. 1966. 1 Ag84Pro
For livestock.
- 18212 WALLEN, B. Milk production in southern Finland—a rationalization problem. (Sw) *Tidskr. Lantman Andelsfolk* 1:16-18. Jan. 15, 1966. 20 T43
- 18213 WEINSCHEK, G. Site problem from the viewpoint of farm management. (Ge) *Ges. Wirtsch.-Sozialwiss. Landbaues. Schr.* 3:79-92. Ref. 1966. 281.9 G33
- 18214 WEISSENBERG, D. VON. Centralized milk production in the German Democratic Republic. (Sw) *Tidskr. Lantman Andelsfolk* 21:473-477. Nov. 15, 1965. 20 T43
- 18215 WESTERMARCK, N. The role of planning and management on family farms. I. Interaction between farm planning, individual advisory services and the farm entrepreneur. *Acta Agr. Scand.* 16(2):47-78. Ref. 1966. 11 Ac82
Finland.

- 18216 WESTRA, P. Dairy farming in bigger units. (Du) Veeveelt Zuivelber. 9(4):159-164. Apr. 1966. 49 V51
- 18217 WHITTLESEY, N. K., NOTEBOOM, L. A., and BUTCHER, W. R. Effect of product price relationships on farm organization and income in the Palouse region of Washington and Idaho. Wash. Agr. Exp. Sta. Bull. 674, 24 p., map. Aug. 1966. 100 W27E
- 18213 WYNDHAM, M., and CROFT, J. Optimum improvements for an ideal New England district farm. Valuer 19(4):335-338. Oct. 1966. 282.8 V24
- New South Wales.

Bookkeeping and Records

- 18219 JELINEK, A., and STARY, V. Učetní evidence socialistických zemědělských organizací [Accounting of collective farms]. Ed. 4, rev. and enl. Praha, Státní Zemědělské Nakladatelství, 1965. 3 v. S567.J4
- 18220 KULIN, SH. Accounting of income of the farm branches and the economy in production. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:39-44. 1966. 20 M57
- 18221 LIGGETT, E. P. Family business center. Wash. State Univ. Ext. E. M. 2460, rev. 8 p. Aug. 1966. 275.29 W27M1
- 18222 MALLYON, C. A. The principles and practice of farm management accounting. Ed. 2. Sydney, Law Book, 1966. 463 p. S567.M3
- Bibliography, p. 444-451.
- 18223 RUSAKOV, G. Commercial calculation and the profit on collective farms. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:34-38. 1966. 20 M57
- 18224 TSOLOV, I. Method of accounting costs for kilometer-ton according to commercial accounting system adopted by truck transportation enterprises. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:51-55. 1966. 20 M57

Costs and Returns

- 18225 ANDERSON, J. L. Early potatoes—1965. Edinb. Sch. Agr. Econ. Rep. 90, 25 p. Jan. 1966. 281.9 Ed4E
- Costs.
- 18226 BARR, A. L. Beef cattle production: costs and returns for the cow-calf system in West Virginia. W. Va. Agr. Exp. Sta. Circ. 527, 38 p. June 1966. 100 W52
- Effects of feeding.
- 18227 CHAFIN, D. G. Get the complete picture! Va. Polytech. Inst. Ext. Va. Farm Econ. 199:3-7. Sept./Oct. 1966. 275.29 V813
- Costs and returns in farm management.
- 18228 FLASPOHLER, J. The bearable obligations of a mushroom growing enterprise. (Ge) Champignon 6(61):25-28. Sept. 1966. 80 C352
- Costs and returns.
- 18229 FRITZSCHE, W. Farm expenditures and labor costs in ornamental plant growing. (Ge) Deut. Gartenbau 13(2):35-37. Feb. 1966. 80 G1948
- 18230 GOEDEGEBOURE, J. Kostenbegrotingen van kleinfruit en aardbeien in de open grond in de produktiecentra Zundert e.o., de Bommerlaerwaard, de oostelijke Betuwe en het zandgebied van Noordbrabant en het noorden van Limburg [Cost estimates of small fruits and strawberries in the open soil in the production centers of Zundert, Bommerlaerwaard, eastern Betuwe and the sand district of North Brabant and the North of Limburg]. Landbouw-Econ. Inst. Verslagen 171, 64 p. Sept. 1966. 281.9 L23V
- 18231 GOEDEGEBOURE, J. Variations in the cost of small fruit production. (Du) Groenten Fruit 22(17):697, 699. Nov. 2, 1966. 80 G89
- 18232 HARSH, S. B., and SNYDER, D. P. An economic study of apple production on size-controlled trees in 1964 and 1965. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 201, 17 p., map. June 1966. 281.9 C81A
- Costs.

- 18233 HOLKAMP, A. Bedrijfsuitkomsten in de tuinbouw in de jaren 1955 t/m 1965 [Results in horticulture in the years 1955 to 1965]. Landbouw-Econ. Inst. Verslagen 173, 41 p. Nov. 1966. 281.9 L23V
- 18234 LANGE, J. Economic considerations on results to date of the Muncheberg highest yield investigations. (Ge) Deut. Landwirt. 17(9):441-444. Sept. 1966. 18 D4822
- Costs and returns.
- 18235 LINDSTROM, T. Selection of a harvesting method. (Sw) Norrbottens Lantmannabl. 2:29-31. Mar. 1966. 11 N792
- Cost of harvesting forage plants.
- 18236 MACLENNAN, J. A. Financial results, East of Scotland farms, 1964-65: 44 dairy farms. Edinb. Sch. Agr. Bull. 85, 14 p. Aug. 1966. 103 Ed4E
- 18237 MEYLAARD, D., and KNAAP, W. VAN DER. Are the sandy soils along the coast really suited for early hothouse tomatoes? (Du) Groenten Fruit 22(19):767, 769. Nov. 16, 1966. 80 G89
- Returns.
- 18238 NEWMAN, D. F., and PARDUE, D. C. 1965 dairy farm business summary; progress report of North Carolina electronic farm records program. N. C. Univ. Ext. Agr. Circ. 472, 48 p., map. Sept. 1966. 275.29 N811
- Costs and returns.
- 18239 NUTT, J. D. Financial results, East of Scotland farms, 1964-65: Part I—31 stock raising and feeding farms; Part II—72 arable farms. Edinb. Sch. Agr. Bull. 84, 21 p. Aug. 1966. 103 Ed4E
- 18240 NYBONDAS, B. Raising horses gives possibilities for specialization. (Sw) Tidsskr. Lantman Andersfolk 22:514-515. Nov. 30, 1965. 20 T43
- Chiefly returns in Finland.
- 18241 OLUND, G. Ekonomisk animalieproduktion [Economic livestock production]. Hushallnings-sallsk. Forbund. Smaskr. 73, 19 p. 1966. 11 H952
- Costs and returns.
- 18242 OVERSKOTT, S. Evident economic relation between young pigs and meat production. (No) Norsk Landbruk 11:6-7, 9. June 3, 1966. 11 N8122
- Costs and returns.
- 18243 PILLING, A. Comparative economic study of certain pig types. (Hu) Gazdalkodas 10(5):53-57. Oct. 1966. 281.8 G25
- Costs and returns.
- 18244 RONNINGEN, T. S. What future for forages? Plant Food Rev. 12(3):1. Fall 1966. 57.8 P694
- Returns.
- 18245 SANGERS, W. J. A personal view on the economic directives and evaluation of technical horticultural research. (Du) Neth. Dir. Tuinbouw. Mededel. 29(6):245-252. June 1966. 86 N384
- English summary, p. 263-264.
- 18246 SNYDER, D. P. Costs and returns in producing peas for processing in 1965, 80 farms, New York. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 200, 23 p. June 1966. 281.9 C81A
- 18247 SNYDER, D. P. Costs and returns in producing tomatoes for processing in 1965, 29 farms, New York. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 203, 20 p. June 1966. 281.9 C81A
- 18248 SOLLIG, V., and RIPKE, O. Determination of interior calculated price in the domain of plant production and its influence on the costs of animal production. (Ge) Deut. Landwirt. 17(9):424-427. Sept. 1966. 18 D4822
- Feed costs.
- 18249 STARBIRD, I. R., and HINES, F. K. Costs of producing upland cotton in the United States, 1964. U. S. D. A. Agr. Econ. Rep. 99, 46 p., map. Sept. 1966. A281.9 Ag8A
- Includes statistics.
- 18250 STEVENS, D. M. Sheep industry in Wyoming, an economic analysis. Wyo. Agr. Exp. Sta. Bull. 444, 80 p., map. Mar. 1966. 100 W99
- Costs and returns.

- 18251 WEURLANDER, M. The baling method in hay harvesting. (Sw) Tidskr. Lantman Andersfolk 1:10-11. Jan.15,1966. 20 T43
Cost in Finland.
- 18252 WORDEN, G., and JAMES, S. C. What role for the beef cow herd? Iowa Farm Sci. 21 (5/6):3-6, map. Nov./Dec.1965. 275,28 104
Costs and returns.
- 18253 ZUROSKE, C. H., BRANSON, I. D., and SWANSON, J. P. Sugar beet production costs by acreage groups. Wash. Agr. Exp. Sta. Circ. 470,17 p., map. Oct.1966. 100 W275
- Land Settlement and Colonization
- 18254 GARCIA ATANCE, J. Spanish legislation on colonization and its results. (Sp) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.123-151. 1965. HD786.L5
- Land Tenure
- 18255 ADAMS, D. W., and SCHULMAN, S. Minifundia in agrarian reform: a Colombian example. Ohio. State Univ. Dep. Agr. Econ. Rural Sociol. A.E. 401,14 p. Sept.1966. 281.9 Oh32
- 18256 ASCENSAO, J. DE O. Agrarian reorganization and private property. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.281-306. 1965. HD786.L5
- 18257 BENEYTO SANCHIS, R. Property and agrarian structure reform: study of concentration of holdings. (Sp) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.81-121. Ref. 1965. HD786.L5
- 18258 BOHTE, H. G. Land consolidation, rapid combine of scattered holdings and voluntary exchange of plots in the view of modern developments. (Ge) Z. Kulturltech. Flurbereinigung 7(5):257-267. Sept./Oct.1966. S605.A1Z4
English summary.
- 18259 CALAN, L. DE. Indemnification for improvements made by the tenant. (Fr) Agr. Prat. 130(8,i.e.9):35-40. Sept.1966. 14 J82
- 18260 DOVRING, F. Land and labor in Europe in the twentieth century; a comparative survey of recent agrarian history; with a chapter on land reform as a propaganda theme. Ed. 3, rev. The Hague, Nijhoff, 1965. 511 p. (Studies in Social Life, v. 4) HD586.D6
Bibliography, p.481-511.
- 18261 EVANS, K. W. Common land. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):458-461. Oct.1966. 10 G79J
- 18262 FLOREZ D., V. Bases for a regional program of agrarian reform. (Sp) Agr. Trop. 22(5): 218-229. Ref. May 1966. 26 Ag8
Colombia.
- 18263 FRASSOLDATI, C. The agrarian contract and its function: the farm and agricultural holding. (It) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.173-189. 1965. HD786.L5
Legal aspects.
- 18264 GACOSCOSIM, M. M. On the land grabbing case against the Bureau of Forestry. Lumberman [Manila] 12(4):23,26. June/July 1966. 99.81 L9793
- 18265 HARCOURT, A. F. D'. "Counter-reflections" on land ownership. (Fr) Agr. Prat. 130(8,i.e.9): 9. Sept.1966. 14 J82
- 18266 LEEMANS, W. F. A descent to a leasing situation in the year 1562. (Du) Pacht 26(10):307-312. Oct.1966. 282.8 P11
- 18267 MARTINEZ, P. S. Evolution of Portuguese agrarian structure. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.259-280. 1965. HD786.L5
- 18268 POLAK, J. M. Agrarian law. (Du) Pacht 26 (10):298-306. Ref., p.303-306. Oct.1966. 282.8 P11
- 18269 STAVENHAGEN, R. Social aspects of agrarian structure in Mexico. Soc. Res. 33(3):463-485. Autumn 1966. 280.8 So19
- 18270 STRINGER, I. A. Recent Victorian land compensation legislation. Valuer 19(4):346-350. Oct.1966. 282.8 V24
For expropriation.
- 18271 TABALDYEV, R. D. Vostanovlenie sel'skokozyaistvennogo proizvodstva Kirgizii [Reformation of the agricultural production in Kirghizia]. Frunze, Ilim, 1965. 155 p. Ref. HD2105.K573
Chiefly land reform.
- 18272 WALLACE, L. T., SARGENT, C. A., and ATKINSON, J. H. Your land and Indiana highways. Purdue Univ. Ext. Mimeo EC-273,9 p. Ref. 1963. 100 In2Ag
Chiefly acquisition and condemnation procedures.
- Land Utilization
- 18273 AMERICAN WATER WORKS ASSOCIATION. CHESAPEAKE SECT. Recreational use of watersheds; joint discussion. Amer. Water Works Ass. J. 58(10):1260-1274. Ref. Oct. 1966. 292.9 Am32J
Statements by A. P. Brigham, R. H. Stround, T. D. McKewen, and F. B. Taylor.
- 18274 BOUNDS, J. H. Land use in the Bahamas. Diss. Abstr., Sect. B, 27(3):854B. Sept.1966. Z5055.U49D53
- 18275 BREWER, M. F., and BORDNER, B. Organizational alternatives for recreational resources management: an analysis of State agencies. Natur. Resources J. 6(4):560-579. Oct.1966. L9 N19
- 18276 FRANKE, A. The development of agricultural space. (Ge) Mitt. Deut. Landwirt.-Ges. 81(39): 1467-1471. Sept.29,1966. 18 N39
Town and country planning.
- 18277 GALLOWAY, H. M., and BEAVER, A. J. Soils affecting urban uses—a teaching program. Ind. Acad. Sci. Proc. 75:273-278. 1965, pub. 1966. 500 In2
- 18278 GRANT, K. E. The soil survey in the rural-urban complex. Ind. Acad. Sci. Proc. 75:262-266. 1965, pub.1966. 500 In2
Land utilization.
- 18279 HEIDTMAN, W., BEY, P., and PETERSEN, H. Dorferneuerung am Rande von Verdichtungsgebieten [Village renewal on the edge of concentrated areas]. Agrarsoz. Ges. Material-samm. 54,143 p., map. Aug.1966. 281.9 Ag862M
- 18280 JALILI, N. Urban-rural development policies for Iraq. Diss. Abstr., Sect. A, 27(4):1133A-1134A. Oct.1966. Z5055.U49D5
- 18281 KERR, F. F. Planning and zoning in South Dakota. S. Dak. State Univ. Ext. Ext. Circ. 650, 11 p. Apr.1966. 275.29 So85
- 18282 KOWAL, E. D. Shifting cultivation, fire, and pine forest in the Cordillera Central, Luzon. Diss. Abstr., Sect. B, 27(2):375B. Aug.1966. Z5055.U49D53
- 18283 MAIOLO, J. R. Patterns of adoption of land use controls in interchange communities. Diss. Abstr., Sect. A, 27(5):837A. Sept.1966. Z5055.U49D5
- 18284 METZLER, G. F., and GRAY, D. L. Arkansas privately-owned recreation facilities, 1966. Ark. Univ. Ext. Misc. Publ. 95,17 p. 1965. 275.29 Ar4M1
Directory.
- 18285 MICHAEL, H. L. Soil information and urban planning. Ind. Acad. Sci. Proc. 75:267-272. 1965, pub.1966. 500 In2
Land utilization.
- 18286 MOTORINA, L. V. Utilization of land disturbed by industries. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 5:40-47. Ref. Sept.1966. 331.9 Ak12
For agricultural purposes.

- 18287 PASHKANG, K. V. Surveying of natural geographical conditions for agricultural purposes. (Rus) Moscow, Univ. Vestnik Ser. 5, Geogr. 1:76-84. Jan./Feb.1966. 331.9 M85
Includes mapping.
- 18288 PEL'MAS, E. R. Possibilities for increased production by better distribution of various branches of agriculture. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 28:94-106. 1965. 281.9 M852
- 18289 SCHEFFEY, A. J. W. Changing land use patterns in New England. Conn. Woodlands 31(5): 6-13. Sept./Oct.1966. 99.8 C76
- 18290 SCHIFF, A. L. Outdoor recreation values in the public decision process. Natur. Resources J. 6(4):543-559. Oct.1966. L9 N19
- 18291 SINGH, D. Review of cropping pattern and land utilisation in Punjab during plan periods. Agr. Situation India 21(2/3):85-91. May/June 1966. 281.9 In23
Crop acreages included.
- 18292 SUSSNA, S. Zoning as a tool of land-use control in Staten Island, New York. Diss. Abstr., Sect. A, 27(3):818A. Sept.1966. Z5055.U49D5
- 18293 TEACI, D. Valuation of agricultural land based on natural-ecological criteria. (Rum) Stiint. Solului 4(1):52-65. 1966. 56.8 S15
English summary.
- 18294 WHITTAKER, J. C. An important use of Ohio's lakes and ponds, commercial outdoor recreation. Ohio Woodlands 6(2,sup.):3. Nov.1966/Jan.1967. 99.8 Oh34
- Land Values and Valuation
- 18295 BEATTY, I. A. Valuation of improved pastures and improvements which vary widely from optimum development. Valuer 19(4):342-345, 350. Oct.1966. 282.8 V24
- 18296 BRADLEY, C. C. Construction and use of topographical plans in rural valuations. Valuer 19(4):316-319. Oct.1966. 282.8 V24
Australia.
- 18297 FLETCHER, C. A. Rural valuation reports—a plea for better standards. Valuer 19(4):321-324. Oct.1966. 282.8 V24
Australia.
- 18298 JONG, S. H. DE. Leasing and purchasing prices of agricultural lands in 1964/65. (Du) Pacht 26(10):312-316. Oct.1966. 282.8 P11
- 18299 JUNDT, D. W. Farm land prices: future and long-range outlook. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(2):91-97. Oct.1966. 281.8 Am32
- 18300 MCLEAN, I. Selection of a property: classification and range of enterprise. Wool Technol. Sheep Breeding 13(1):29-31. July 1966. 304.8 W888
Farm purchasing in Australia.
- 18301 MCPHERSON, W. K. The impact of rising land prices on Florida's agriculture. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting: 303-310. 1965, pub. 1966. 56.9 So32
Includes land use and income.
- 18302 ROSSMILLER, G. E. Farm real estate value patterns in the United States, 1930-1962. Diss. Abstr., Sect. A, 27(3):566A. Sept.1966. Z5055.U49D5
- 18303 WHEELHOUSE, A. S. Valuations for rating and land tax. Valuer 19(4):325-334. Oct.1966. 282.8 V24
Australia.
- POPULATION
- 18304 ARPI, C. Rural depopulation, location of industry, and communal reforms in Sweden. (Fi) Terra [Helsinki] 77(2):41-44, map. 1965. 20 T272
English summary.
- 18305 BERLIN, STATISTISCHES LANDESAMT. Ergebnisse der Volks- und Berufszählung in Berlin (West) am 6. Juni 1961. II. Teil, Heft 6 [Results of the population and occupational census in Berlin (West) as of June 6, 1961. Part II, Number 6]. Berlin, Statist. Sonderh. 138, 47 p. Aug.1966. 265 B453A
Includes population engaged in agriculture.
- 18306 BIDANI, N. D. Role of migration on changes in selected demographic traits of East Punjab, India, 1941-1951. Diss. Abstr., Sect. B, 27(3):853B-854B. Sept.1966. Z5055.U49D53
Rural population discussed.
- 18307 BRYANT, E. S. Mississippi county population estimates by race and age, 1965. Miss. Agr. Exp. Sta. Soc. Rural Life Ser. 17, 58 p., map. Aug.1966. 281.29 M693
- 18308 KOLOSOVA, YU. A. Study of population migration in the USA. (Rus) Moscow, Univ. Vestnik Ser. 5, Geogr. 2:79-85. Mar./Apr. 1966. 331.9 M65
- 18309 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Farm population, estimates for 1965. U. S. D. A. Econ. Res. Serv. ERS-286, 4 p. Apr.1966. A281.9 Ag83E
- RURAL SOCIAL ORGANIZATION
- 18310 ANDRESS, J. M. Culture and habitat in the central Himalayas. Diss. Abstr., Sect. B, 27(3):853B. Sept.1966. Z5055.U49D53
- 18311 ASHCROFT, N. The domestic group in Mahogany, British Honduras. Soc. Econ. Stud. 15(3):266-274. Ref. Sept.1966. 280.8 So125
Rural community.
- 18312 BLANCKENBURG, P. VON. The sociological analysis of agricultural economic phenomena in developing countries. (Ge) Ges. Wirtsch.-Sozialwiss. Landbaues. Schr. 3:43-56. Ref. 1966. 281.9 G33
- 18313 CALDAS, E. DE C. Rural sociology and modern agrarian thought. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.33-51. 1965. HD786.L5
- 18314 GREEN, B. L. Factors affecting participation in selected outdoor recreation activities. Diss. Abstr., Sect. A, 27(2):294A-295A. Aug. 1966. Z5055.U49D5
- 18315 KOTTER, H. Agriculture and site: sociological aspects. (Ge) Ges. Wirtsch.-Sozialwiss. Landbaues. Schr. 3:117-123. 1966. 281.9 G33
- 18316 LUNDSCGAARDE, H. P. Cultural adaptation in the southern Gilbert Islands. Diss. Abstr., Sect. B, 27(4):1024B. Oct.1966. Z5055.U49D53
- 18317 RIEMANN, F. The contribution of rural social research to the development of rural space. (Ge) Ges. Wirtsch.-Sozialwiss. Landbaues. Schr. 3:31-42. Ref. 1966. 281.9 G33
- 18318 WÄNGLER, W. Soziale Hilfen und Sicherungen für die landwirtschaftliche Bevölkerung [Social aid and insurance for farmers]. Forsch. Beratung, Reihe C, Wiss. Ber. Diskussionsbeitr. 11, 160 p. May 1966. 18 F778
- Human Ecology
- 18319 ANDROMEDAS, J. N. The inner Maniat community type: a study of the local community's changing articulation with society. Diss. Abstr., Sect. B, 27(2):351B-352B. Aug.1966. Z5055.U49D53
Greek subculture.
- 18320 PARTADIREDA, A. Helvetia, West Virginia: a study of pioneer development and community survival in the Appalachia. Diss. Abstr., Sect. A, 27(4):855A. Oct.1966. Z5055.U49D5
- 18321 PETROV, E., and GERGOV, G. Some economic problems in the territorial planning of agricultural areas in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 483:1-17. Oct.13, 1966. (JPRS 38,150; TT 66-34577) 173 J663St
Translation from Ikonomicheska Misul 6: 23-35. July 1966.
Issued by CFSTL.

- 18322 SCHORR, T. S. Cultural ecological aspects of settlement patterns and land use in the Cauca Valley, Colombia. Diss. Abstr. Sect. B, 27(2): 353B. Aug. 1966. Z5055.U49D53
- 18323 U. S. TENNESSEE VALLEY AUTHORITY. Financial statements for the fiscal year ended June 30, 1966. Knoxville, 1966. 45 p. 173.2 T25Fs
- 18324 YOUNG, F. W. A proposal for cooperative cross-cultural research on intervillage systems. Cornell Int. Agr. Develop. Reprint 12, 5 p. Ref. 1966. 281.8 C815
- Institutions
- 18325 ALEXANDER, F. D., STUHL MILLER, E., and SHINABARGER, A. Bulletin and leaflet distribution to young homemakers by letters, Warren and Washington Counties; an evaluation. Cornell Univ. Ext. Stud. 13, 100 p. Sept. 1966. 275.29 N48Ex
- 18326 ANDERSON, B. H. Guidelines for planning and conducting cooperative work experience programs in vocational agriculture. Diss. Abstr., Sect. B, 27(4):1003B. Oct. 1966. Z5055.U49D53
- 18327 ANDERSON, E. A. Estate planning. Kans. State Univ. Ext. C-371, 16 p. Aug. 1966. 275.29 K13Ex
- 18323 BAKONYI, E. Spiritual investments bring high returns. (Ge) Mitt. Deut. Landwirt.-Ges. 81(38):1435-1437. Sept. 22, 1966. 18 N39 Agricultural education.
- 18329 BERTANI, S. A new type of school for the agriculture of 2000. (It) Esso Agr. 15(4):8-9. Aug. 1, 1966. 58.8 Es7
- 18330 BOYET, W. E., and TOLLEY, G. S. Recreation projection based on demand analysis. J. Farm Econ. 48(4, pt. 1):984-1001. Nov. 1966. 280.8 J822
- 18331 CALLAHAN, J. C., and KNUDSON, D. M. Economic aspects of commercial outdoor recreation enterprises in southern Indiana. Ind. Agr. Exp. Sta. Res. Bull. 814, 20 p., map. May 1966. 100 In2P
- 18332 CHEGA ESPANA, J. Agricultural extension: field days. (Sp) Agr. Trop. 22(5):244-245. May 1966. 26 Ag8 Colombia.
- 18333 CHERINGTON, C. R. Local government in a rural economy. Harvard Univ. Grad. Sch. Public Admin. Public Policy 15:23-33. 1966. 280.9 H263
- 18334 COOK, J. L. Level of accounts and records in relation to business and personal characteristics of farmers in agricultural education. Diss. Abstr., Sect. A, 27(3):649A. Sept. 1966. Z5055.U49D5
- 18335 COWDY, L. C. A critical analysis of the purpose, philosophy and objectives of the Agricultural and Technical College of North Carolina with implications for change. Diss. Abstr., Sect. A, 27(2):346A-347A. Aug. 1966. Z5055.U49D5
- 18336 DUBLIN UNIVERSITY COLLEGE, AGRICULTURAL DEPT. Report for the year 1964-65. Dublin, 1966. 22 p. 103 D853
- 18337 ENEQUIST, G. Communal division in Sweden. (Ft) Terra [Helsinki] 77(2):45-53, map. Ref. 1965. 20 T272 English summary.
- 18338 GAMPE, W. Accumulation in the focus of the discussion on the 14th agricultural fair. (Ge) Deut. Landwirt. 17(9):419-421. Sept. 1966. 18 D4822
- 18339 HELLINGA, F. Het studiejaar [The study year], 1965-1966. Wageningen, 1966. 26 p. 105.2 W122Stu The Landbouwhogeschool at Wageningen.
- 18340 INTERNATIONAL ASSOCIATION OF FAIRS AND EXPOSITIONS. Report of 1965 convention. Chicago, 1965. 126 p. 4 Am32
- 18341 JOHANSSON, I. The work with youth. (Sw) Göteborgs Bohus Lans Hushallningssallsk. Arsbok 1966:85-89. 11 G12A
- 18342 KALLON, A. S., and SINGH, R. A pioneering effort in farm management extension in India. Farm Manage. Notes Asia Far East 2(2):12-13. July 1966. 281.8 F2228
- 18343 KIRKMAN, A. J. Preparing papers for scientific journals. Exp. Agr. 2(2):147-160. Apr. 1966. 10 Ex72
- 18344 LUGER, F. Performance ideas in extra curricular youth work. (Ge) Forderungsdienst 13 (spec. no. 2):27-33. Sept. 1965. 19 F75 Austria.
- 18345 MACDOUGALL, A., and MALLESON, M. Communications. I-II. Agr. Merch. 46(12): 47, 49, 51, 53-55. Dec. 1966. 10 Ag89 I. The role of the press, by A. MacDougall; II. The role of the advertising agency, by M. Malleison; Great Britain.
- 18346 MAHBOOB, S. G. Personality characteristics of male county extension personnel in Wisconsin. Diss. Abstr., Sect. A, 27(4):925A. Oct. 1966. Z5055.U49D5
- 18347 MURRAY, J. S. Influence of self concepts, significant others and interactive patterns on the publication activity of agricultural scientists. Diss. Abstr., Sect. A, 27(3):825A. Sept. 1966. Z5055.U49D5
- 18343 MYERS, W. P. The effect of Neighborhood Youth Corps upon vocational development variables of rural southern Appalachian youth. Diss. Abstr., Sect. A, 27(3):650A. Sept. 1966. Z5055.U49D5
- 18349 NATIONAL CONFERENCE ON RURAL HEALTH 18, MIAMI BEACH, FLORIDA, 1965. Proceedings. Chicago, American Medical Association, 1965. 55 p. 449.9 N214 Sponsored by the Council of Rural Health.
- 18350 NUNN, G. R. Resources for research on Asia at the University of Hawaii and in Honolulu. East-West Center. Libr. Occas. Pap. 1, 16 p. 1965. Z3001.E22 Includes the Library of the Hawaiian Sugar Planters Association.
- 18351 OPAVA, I. International information service. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:17-20. 1966. 20 M57 For the members of the Council for Mutual Economic Assistance.
- 18352 PERKINSON, L. B. Local education expenditure patterns in the United States. Agr. Finance Rev. 27:12-19. Oct. 1966. 1.9 Ec78Af
- 18353 REGEV, A. Trends in agricultural education. Agr. Israel 10(11/12):65. Aug./Sept. 1965. 22.5 Ag825
- 18354 SCHMIEL, M. Social change and the problem of education on the land. (Ge) Ges. Wirtsch.-Sozialwiss. Landbaues. Schr. 3:57-76. Ref. 1966. 281.9 G33 Germany.
- 18355 SIMKO, I. G. Centenary of the oldest agricultural library; brief history of the library of the Argentina Rural Society (Sociedad Rural Argentina). (Sp) Soc. Rural Argent. An. 100(7):33, 35-36, 39-41, 43-44. July 1966. 9 S01
- 18356 SMITH, R. F. The New York Farm Bureau and the legislative processes: a study in agricultural politics. J. Farm Econ. 48(4, pt. 1):811-825. Ref. Nov. 1966. 280.8 J822
- 18357 U. S. FEDERAL EXTENSION SERV. Agricultural information staffs in State land grant universities. Washington, 1966. 28 p. A276.6 F312
- 18358 VENEY, J. E. The theory of disengagement reapplied: aging among farmers with heart disease. Diss. Abstr., Sect. A, 27(2):542A. Aug. 1966. Z5055.U49D5
- 18359 WAGENINGEN, INTERNATIONAL AGRARISCH CENTRUM. Jaarverslag [Annual report], 1964. Wageningen, 1965. 38 p. 105.2 S53
- 18360 WALTERS, D. V. When does a producer need rural advice? In what form is it needed? Wool Technol. Sheep Breeding 13(1):21-23. July 1966. 304.8 W888 Australia.
- 18361 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. The county IFYE [International Farm Youth Exchange] or International Programs Committee. Wash. State Univ. Ext. E. M. 1764, rev. 3, p. Aug. 1966. 275.29 W27MI
- 18362 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. IFYE [International Farm Youth Exchange] candidate. Wash. State Univ. Ext. E. M. 1894, rev. 6, p. Aug. 1966. 275.29 W27MI

- 18363 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is Colombia. Wash. State Univ. Ext. E. M. 2674,2 p.,map. Aug.1966. 275.29 W27M1
- 18364 WEHLAND, W. How do the others see us? (Ge) Mitt. Deut. Landwirt.-Ges. 81(39):1449-1450. Sept.29,1966. 18 N39
Result of an opinion survey on German agriculture.
- 18365 WILLIAMS, J. R. Life situations and perspectives of adolescents in a Lebanese village. Diss. Abstr., Sect. B, 27(4):1025B-1026B. Oct. 1966. Z5055.U49D53
Agricultural community.
- 18366 WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 progress in Wisconsin through the Extension Service. Wis. Univ. Ext. Spec. Circ. 122,40 p. 1966. 275.29 W75S
Programs.
- 18367 WOLFF, P. Land improvement education at the higher agricultural vocational schools in the German Federal Republic. (Ge) Z. Kulturtech. Flurbereinigung 7(4):228-233. July/Aug.1966. S605.A124

Leadership

- 18368 KENTUCKY, UNIVERSITY, AGRICULTURAL EXTENSION SERV. 4-H junior leadership manual. Ky. Univ. Ext. 4-H 1066,14 p. Ref. Apr.1966. 275.29 K415Fh
- 18369 MITCHELL, J. B., GIVEN, C. W., and SCHRINER, E. C. Characteristics of leaders in small communities. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 50(5):70,78. Sept./Oct.1965. 100 Oh3S
- 18370 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. The rocket age leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] H-15,40 p.,map. Ref. Sept.1966. 275.29 W99Fc
Youth psychology.

Rural Organizations and Movements

- 18371 ARGENTINA Rural Society [Sociedad Rural Argentina], 1866-July 10-1966. (Sp) Soc. Rural Argent. An. 100(7):26-32. July 1966. 9 S01
- 18372 FARMERS' UNION OF ALBERTA. 1966 policy handbook, 17th edition, January 1966. Edmonton, 1966. 59 p. 7 F227
- 18373 HORTON, H., BROCKMAN, F., and HELLER, J. H. Kentucky 4-H activity and awards handbook. Ky. Univ. Ext. 4-H 1153-B,44 p. May 1966. 275.29 K415Fh
- 18374 ILLINOIS AGRICULTURAL ASSOCIATION. Annual report, 1966. n.p., 1966. 130 p.,map. 4 IL66R
- 18375 JINKS, L. G. 4-H youth, keystone for the new Pennsylvania. Sci. Farmer [Penn. Sta.] 14(1):12-13. Fall 1966. 100 P381S
- 18376 METZLER, G. F., and WORD, U. G. Camping; Arkansas Special Youth Project. Ark. Univ. Ext. Misc. Publ. 91,28 p.,map. 1965. 275.29 Ar4Mi
A 4-H Club project.
- 18377 MICHIGAN STATE GRANGE. Roster of granges in Michigan 1966-1967. n.p., 1966. 42 p. 4 M589G
- 18378 MONTANA, STATE COLLEGE, COOPERATIVE EXTENSION SERV. Montana 4-H Club projects. Mont. State Coll. Ext. Bull. 326,15 p. Aug.1965. 275.29 M76C
- 18379 NATIONAL 4-H CLUB FOUNDATION. Progress report for 1966. Washington, D. C., 1966. 25 p. 275.29 N218A
- 18380 TOPFER, K. V. Rural youth organisation; "meeting the needs." Tasmanian J. Agr. 37(3):241-247. Aug.1966. 23 T182T
- 18381 UNION SUISSE DES PAYSANS. 68^e rapport annuel [68th annual report], 1965. Union Suisse Paysans. Publ. 178,171 p. 1965. 17 S2
Secretariat des Paysans Suisses, cooperating.
- 18382 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Around the world; some international activities for groups of older 4-H Club members. Wash. State Univ. Ext. E. M. 2330, 2 p. Aug.1966. 275.29 W27M1
- 18383 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. 4-H Club initiation ceremony (instructions). Wash. State Univ. Ext. E. M. 1343, rev. 4 p. Aug.1966. 275.29 W27M1
- 18384 WORD, U. G., and RUTLEDGE, L. L. Reaching the unattached; Arkansas Special Youth Project, a study to reach more disadvantage youth through an expanded 4-H program. Ark. Univ. Ext. Misc. Publ. 94,23 p. June 1966. 275.29 Ar4Mi

Cooperative Organizations

- 18385 BAYLY, C. W. The Ord River District Co-operative Pty. Ltd., a story of development. Co-op. Federation West. Australia. Annu. Conf. Minutes Rep. 46:66-72. 1966. 280.29 C786
- 18386 CO-OPERATIVE FEDERATION OF WESTERN AUSTRALIA. Minutes and report of the forty-sixth annual conference, 28th and 29th March, 1966. Perth, 1966. 79 p. 280.29 C786
- 18387 CROSSE, W. J. Australian co-operative development. Co-op. Federation West. Australia. Annu. Conf. Minutes Rep. 46:73-79. 1966. 280.29 C786
- 18388 INSTITUTE ON COOPERATIVE EDUCATION, 14, SASKATOON, 1965. Proceedings. Saskatoon, 1965. 64 p. 280.29 In73
Sponsored by Cooperative League of the U. S. A. and Co-operative Union of Canada.
- 18389 KHAN, A. A. A new rural co-operative system for Comilla Thana; fifth annual report, rural co-operative pilot experiment, May 1966. Comilla, East Pakistan, Pakistan Academy for Rural Development, 1966? 109 p.,map. 280.29 P173
- 18390 KUBAL, G. J. Cooperation in agriculture, 1954-1964; a list of selected references. U. S. Natl. Agr. Libr. Libr. List 41(sup.2),115 p. Oct.1966. 1.916 L612

RURAL SOCIAL PSYCHOLOGY

- 18391 COODY, B. E. Gaining adult maturity. I. The meaning of maturity. Ky. Univ. Ext. H. E. 7-109,15 p. Ref. Feb.1966. 275.29 K415H
- 18392 COODY, B. E. Gaining adult maturity. II. Maturing in the family. Ky. Univ. Ext. H. E. 7-109,20 p. Ref. May 1966. 275.29 K415H
- 18393 JENKINS, J. A. To find a land: the modern South and the agrarian tradition. Diss. Abstr., Sect. A, 27(2):439A. Aug.1966. Z5055.U49D5
- 18394 JOHNSON, R. L. Goal aspiration and practice adoption for Wisconsin farm operators. Diss. Abstr., Sect. A, 27(3):835A. Sept.1966. Z5055.U49D5
- 18395 RANEY, R. R. The innovation process. Amer. Soc. Agr. Eng. Pap. 501,11 p. 1966. 290.9 Am32P
With regard to farm equipment.
- 18396 SHETH, N. S. Formal and informal social participation as related to diffusion of information and adoption of farm practices in a village in India. Diss. Abstr., Sect. A, 27(4):1132A. Oct. 1966. Z5055.U49D5
- 18397 TICHENOR, E. J., OLEN, C. N., and DONOHUE, G. A. Editors and extension agents: how they view rural issues in Minnesota. Minn. Agr. Exp. Sta. Misc. Rep. 74,16 p. Ref. Sept.1966. 100 M66
- 18398 WILSON, W. J., and NYE, F. I. Some methodological problems in the empirical study of values. Wash. Agr. Exp. Sta. Bull. 672,12 p. Ref. July 1966. 100 W27E
In sociological research.

TRADE, FOREIGN AND INTERNATIONAL

- 18399 ABEL, M. E., and WAUGH, F. V. Measuring changes in international trade. *J. Farm Econ.* 48(4,pt.1):847-861. Nov.1966. 280.8 J822
- 18400 ALEXANDER, M. P. Devaluation; its impact on coir yarn, coir mats and matings. *Coir* 10 (4):9-10. July 1966. 286.8 C66
- 18401 BANQUE NATIONALE DE BELGIQUE. Foreign trade of the Belgian-Luxembourg Economic Union in 1965. (Fr) Banque Nat. Belg. Bull. Inform. Doc. 2(2/3):153-184. Aug./Sept.1966. 280.9 B226
- 18402 EAWDEN, D. L. A spatial price equilibrium model of international trade. *J. Farm Econ.* 48(4,pt.1):862-874. Ref. Nov.1966. 280.8 J822
- 18403 CAMPANELLO, F. Fruit and vegetable export is in danger. (It) *Esso Agr.* 15(4):18-19. Aug.1,1966. 58.8 Es7
- 18404 CASADIO, G. P. Multilateral trade negotiations within the framework of the G.A.T.T. (Kennedy Round). (It) *Roma Econ.* 19(5):243-255. (Cont.) Ref. May 1966. 280.8 R66
- 18405 CASADIO, G. P. Multilateral trade negotiations within the framework of the G.A.T.T. (Kennedy Round). (It) *Roma Econ.* 19(6):301-317. (Cont.) Ref. June 1966. 280.8 R66
- 18406 CONCENTRATION of efforts to export Almeria grapes. *Int. Fruit World* 3:256,259-260,263, 265-266,269. 1966. 286.83 F9426
- 18407 CORPUZ, V. M. Sabah timber exports 1965. *Malayan Forest.* 29(2):123-125. Apr.1966. 99.8 M292
- 18408 CRAWFORD, D. M. Spain's farm output improves, but imports still rising. *Foreign Agr. Incl. Foreign Crops Markets* 4(46):16. Nov.14, 1966. A281.9 F76Fo
- 18409 CREATION of produce centres in Spain as a means of regulating exports. *Int. Fruit World* 3:271,273,275-276,279. 1966. 286.83 F9426
- 18410 DEAN, G. W., and COLLINS, N. R. Trade and welfare effects of EEC tariff policy: a case study of oranges. *J. Farm Econ.* 48(4,pt.1): 826-846. Ref. Nov.1966. 280.8 J822
- 18411 DEBLOIS, E. N. Increased dollar exports in fiscal year 1965-66 bring U.S. exports of farm products to record level for third consecutive year. *Foreign Agr. Trade U. S.*, Nov.1966:22-45. A286.9 Ag8
- 18412 THE EEC agreements seen through the eyes of the West German fruit trade. *Int. Fruit World* 3:56,59-60,63-64,67-68. 1966. 286.83 F9426
- 18413 ESTEOULE, J. Export? Yes, but-. (Fr) *Rev. Conserv.* 21(6):79-80,82-83,86,89,91-92,94-95. Sept./Oct.1966. 389.8 R326
- 18414 EUROPEAN FREE TRADE ASSOCIATION. Annual review of trade in agricultural goods 1966. Geneva, 1966. 46 p. 286.9 Eu74
- 18415 FALKUS, M. E. Russia and the international wheat trade, 1861-1914. *Economica* (n.s.)33 (132):416-429. Ref. Nov.1966. 280.8 Ec73
- 18416 FISCHER, F. C. Outlook for German fruit industry, as reflected by importer. (Ge) *Obstbauversuchsring Alter Landes. Mitt.* 21(4):140-149. Apr.1966. 95 J76
- 18417 GORDON, G. Twixt beef and butter; the development of beef in the Limoges country could bring a serious threat to Britain's own beef-raisers. *Statist* 190(4627):1158-1159. Nov.11, 1966. 286.8 St2
- 18419 HALLOWELL, E. W. Japan taking a good look at the direction of its farm imports. *Foreign Agr. Incl. Foreign Crops Markets* 4(49):11. Dec.5,1966. A281.9 F76Fo
- 18419 HONDURAS. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Comercio exterior de Honduras [Foreign trade of Honduras], 1965. I-II. Tegucigalpa, 1966. 2 v. 254 H753C
- 18420 IOANES, R. A. Further gains forecast for U.S. agricultural exports. *Foreign Agr. Incl. Foreign Crops Markets* 4(46):3-4. Nov.28,1966. A281.9 F76Fo
- 18421 JOHANNSEN, V. How LAFTA [Latin American Free Trade Association] is contribution to Latin American integration. *Foreign Agr. Incl. Foreign Crops Markets* 4(46):3-5. Nov.14, 1966. A281.9 F76Fo
- 18422 JOHNSON, I. E. Changing world tallow market challenges U.S. exporters. *Foreign Agr. Incl. Foreign Crops Markets* 4(49):9-10. Dec.5, 1966. A281.9 F76Fo
- 18423 KANORIA, S. S. Sugar exports-prospects. *Indian Sugar* [Calcutta] 16(2):85-88. May 1966. 65.8 In26
- 18424 KRZYSIK, F. Timber and timber trade in the national economy. (Pol) *Przem. Drzewny* 17 (2):9-12. Feb.1966. 99.82 P95
- 18425 LECERF, J. The last marathon? (Fr) *Agr. Prat.* 130(8,i.e.9):12-15. Sept.1966. 14 J82
- 18426 LEVIN, M. Israel 1965-66; continuous progress on the lemon and pummelo market. (Fr) *Marches Europe. Fruits Legumes* 934(spec. no.)29,31-32. Oct.26,1966. 286.83 M33
- 18427 MAGDANZ, D. Imports decline. *Livestock Feeder* 14(4):4. Dec.1966. 49 L759
- 18429 MANAN, O. B. A. Sawn and graded timber exports from states of Malaya and Singapore-1965. *Malayan Forest.* 29(2):116-122. Apr. 1966. 99.8 M292
- 18429 MAIN, J. S. The contribution of United States Public Law 480 to Indian economic development. *Diss. Abstr.*, Sect. A, 27(3):564A-565A. Sept.1966. Z5055.U94D5
- 18430 MARX, R. E. Coffee, cotton, cocoa-the "big three" of Africa's agricultural trade. *Foreign Agr. Incl. Foreign Crops Markets* 4(45):3. Nov.7,1966. A281.9 F76Fo
- 18431 MCCONNELL, R. M. Peru-an expanding market for U.S. breeding cattle. *Foreign Agr. Incl. Foreign Crops Markets* 4(47):4-5. Nov.21, 1966. A281.9 F76Fo
- 18432 MOE, L. E. African oilseeds rate high as foreign exchange earners. *Foreign Agr. Incl. Foreign Crops Markets* 4(45):7-8. Nov.7,1966. A281.9 F76Fo
- 18433 NEW DEVELOPMENTS in the Italian fruit and vegetable trade. *Int. Fruit World* 3:237-238, 241-242,245-246,249. 1966. 286.83 F9426
- 18434 PAULSEN, U., and MUCK, R. Der Hopfenmarkt der EWG und anderer wichtiger Lander [The hops market of the EEC and other important countries]. Nurnberg, Carl, 1965. 91 p., map. Ref. p.89-91. HD9019.H72P3
- 18435 RICHTER, J. H. Towards a grains agreement in GATT? *World Agr.* 15(4):26-31. Oct.1966. 6 W893
- 18436 RICKARD, R. C. Pig production in the Common Market. *Great Brit. Min. Agr. Fish. Food.* Agr. 73(10):469-472, map. Oct.1966. 10 G79J
- 18437 ROCHMANN, R. Period for the first import of Jet Black mink. (No) *Norsk Pelsdyrl.* 40(21): 513-516. Nov.5,1966. 412.628 N812
- 18439 ROULON, P. L. Algeria 1965-66; lessening of exports to France, but tonnage tripled for the U.S.S.R. (Fr) *Marches Europe. Fruits Legumes* 934(spec.no.):17,19. Oct.26,1966. 286.83 M33
- 18439 SANTOS, N. D. Overseas fruits in domestic fruit trade. III. (Por) *Gaz. Agr. Angola* 11(9): 1372-1375. Sept.1966. 24 G252

- 18440 SIEGEL, O. Essential oils, resinoids, perfumes, cosmetics, and beauty aids in the foreign trade of the German Federal Republic, Switzerland, and Austria. (Ge) Seifen-Öle-Fette-Wachse 92(20):671-674. Sept.28,1966. 307,8 Se4
- 18441 SMEATHERS, R. Exports of timber from Sarawak 1965. Malayan Forest, 29(2):126-128. Apr.1966. 99.8 M292
- 18442 SPAIN. DIRECCION GENERAL DE ADUANAS. Espana: clasificacion uniforme para el comercio internacional [Spain: uniform classification for international trade]. Madrid, 1966. 508 p. 263 Ad9Esp
- 18443 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Nomenclature harmonisee pour les statistiques du commerce exterieur des pays de la CEE (NIMEXE) [Standardized nomenclature for the foreign trade statistics of the countries of the EEC (NIMEXE)]. Brussels, 1966. loose-leaf. HD1041.S7
- 18444 SZABLOWSKI, W. Exports of packed lumber from Finland. (Pol) Przem. Drzewny 17(8): 5-7. Aug.1966. 99.82 P95
- 18445 TEMPEL, A. J. VAN DEN. Our taxes and the E.E.C. (Du) Pootaardappelhandel 20(4):11-15. Nov.1966. 286.83 P79
Discusses the customs union in agriculture.
- 18446 THASSITIS, B. Less Greek tobacco in the U.S.A. Tabak-J. Int. 5:396-399. Oct.20,1966. 286.89 T117
Text also in French, German, and Italian.
- 18447 THASSITIS, B. Lower prices for '65 crop: tobacco in barter deals. Tobacco [New York] 163 (24):11,19. Dec.9,1966. 286.89 T552
Greece.
- 18448 TONTZ, R. L., and LEMON, I. E. U.S. agricultural export shares by regions and States, fiscal year 1965-66 with comparisons. Foreign Agr. Trade U. S., Nov.1966:5-21, map. A286.9 Ag8 Statistics.
- 18449 TWEETEN, L. G. A proposed allocative mechanism for U.S. food aid. J. Farm Econ. 48(4,pt.1):803-810. Nov.1966. 280.8 J822
- 18450 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. U.S. foreign agricultural trade by countries, calendar year 1965. Washington, 1966. 91 p. A286.9 Ag8F
- 18451 U. S. FOREIGN AGRICULTURAL SERV. The world grain trade, 1963-64/1964-65, and 10 year summary. U. S. Foreign Agr. Serv. FAS-M-180,59 p. Sept.1966. A281.9 F76Fm
- 18452 UTERMARK. Apple export to Denmark—hundred years ago. (Ge) Obstbauersuchsring Alten Landes. Mitt. 21(2):50-52. Feb.1966. 85 J76
- 18453 VASILEV, D. Structural changes in Bulgarian foreign trade in the fourth Five-year Plan period. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 303:1-10. Oct.17, 1966. (JPRS 38,180; TT 66-34607) 173 J663Tree
Food and agricultural products included.
Translation from Vunshna Turgoviya 9:9-13. Sept.1966.
Issued by CESTI.
- 18454 VAZ, J. T. Portugal and the International Coffee Agreement. (Por) Gaz. Agr. Angola 11(9): 1354-1355. Sept.1966. 24 G252
- 18455 VERHAGE, A. J. The development of the trade in ornamental plants. (Du) Neth. Dir. Tuinbouw. Mededel. 29(6):228-232,252. June 1966. 86 N384
English summary, p.262.
- 18456 WELLS, K. F. Method of importation of animals from countries in which exotic diseases may be prevalent. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:274-283. 1965, pub. 1966. 49.9 Un3R
- 18457 WITRANT, R. The citrus exports of the Mediterranean Basin. (Fr) Marches Europe. Fruits Legumes 940:10-17. (Cont.) Nov.8, 1966. 286.83 M33
- 18458 WITRANT, R. The citrus exports of the Mediterranean Basin. (Fr) Marches Europe. Fruits Legumes 946:12-16. (Cont.) Nov.22, 1966. 286.83 M33
- 18459 WOLF, J. International exchange of citrus fruits in the light of trade policy. (Ge) Agrarwirtschaft 15(11):371-378. Nov.1966. 281.8 Ag826
English summary.
- 18460 ZALESKI, K. Export of forest seeds and seedlings. (Pol) Las Polski 40(22):15-16. Nov.16/30,1966. 99.8 L33
- 18461 ZAREMBKA, P. Manufacturing and agricultural production functions and international trade: United States and northern Europe. J. Farm Econ. 48(4,pt.1):952-966. Ref. Nov. 1966. 280.8 J822

**AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS**

GENERAL

- 18462 ANUARIO F.H.I., Argentina [F.H.I. Annual, Argentina], 1965. Buenos Aires, 1965. 415 p., map. HD9254.A7A5
Description and directory of fruit and vegetables, wines, cider, olives, and oils of Argentina.
Introduction, table of contents, and concluding note in English.
- 18463 CANADIAN FOOD INDUSTRIES. Food's Who of people attending the 33rd convention and machinery and supply show of the Ontario Food Processors Association, December 12-13, 1966. Can. Food Indus., 37(12):FW1-FW14. Dec. 1966. 286.83 C166
- 18464 CHALQUEST, R. R. Feeding the world. Bio-Science 16(10):727-729. Ref. Oct. 1966. 500 Am322A
Economic and financial survey of Australia, No. 18, 1964-1965. Sydney, Birt and Company, 1965? 95 p. 280.8 Ec743
Includes data on agricultural products.
- 18466 FOOD GROUP, WASHINGTON, D. C. Membership directory, 1966. Washington, D. C., 1966. 23 p. 225 F7353
- 18467 GILLHAM, F. E. M. Agriculture, education and the population explosion. S. Afr. J. Sci. 62(10):317-329. Ref. Oct. 1966. 515 So84
Population and food supply.
- 18468 HARTMAN, W. E. Research and development in synthetic foods. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:141-147, 1966. 44.9 N4833
- 18469 HOLLINGSWORTH, D. F. The National Food Survey. Home Econ. Dom. Subj. Rev. 12(11):33-34. Nov. 1966. 321.8 H759
- 18470 KOSIKOWSKI, F. Establishing principles and training for international food development. J. Milk Food Technol. 29(10):305-308. Ref. Oct. 1966. 44.8 J824
- 18471 LARSEN, M. R. Food production dip is serious problem to North Vietnamese. Grain Age 7(12):3,18. Dec. 1966. 281.8 G76
- 18472 MUKERJEE, D. India's food failures. Far East. Econ. Rev. 54(7):385-387. Nov. 17, 1966. 280.8 F223
- 18473 OSVALD, H. The earth can feed us. 141 p. TX355.083
English translation of Jorden kan fodra oss; jordens befolkning och livsmedelsförsörjningen.
- 18474 PURCELL, G. Government is here to stay in food industry and cooperation is needed. Nat. Provisioner 155(15):190-194. Oct. 8, 1966. 286.85 N21
Includes discussion.
- 18475 SCHNITTKER, J. A. The food potential of the world; remarks before the National Catholic Rural Life Conference, Manhattan, Kansas, October 16, 1966. Washington, U. S. D. A., Office of the Secretary, 1966. 15 p. A281.9 Sch2
- 18476 SKAU, D. B. Bibliography on aflatoxin from 1960; a list of references relating to the occurrence, production, properties, and effects of aflatoxin. New Orleans, U. S. Agricultural Research Service, Southern Utilization Research and Development Division, 1965. 40 p. AZ5524.T755
- 18477 TENMATTAY, A. Contemporary researches in the biological sciences in the University of the Philippines. Philippine J. Nutr. 19(1/2):111-117. Jan./June 1966. 389.8 N9524
Includes research in food and nutrition and agriculture.
- 18479 TUFTY, B. Analysis of famine. Sci. News Lett. 90(5):74-75. July 30, 1966. 470 Sci24
Population and food supply.
- 18479 TURK, K. L. Can a hungry world be fed? World Farming 8(8):14-17, 62, map. Aug. 1966. 30.08 W89
Population growth and food supply.

- 18480 WOOLLEN, A. Food in Britain. Food Indus. S. Afr. 19(5):31,33,35. Sept. 1966. 389.8 F7372
Industry.

ANALYSIS AND COMPOSITION

- 18481 ARCHER, T. E., and CROSBY, D. G. Gas chromatographic measurement of toxaphene in milk, fat, blood, and alfalfa hay. Bull. Environ. Contamination Toxicol. 1(2):70-75. Mar./Apr. 1966. RA1270.P35A1
- 18482 BANZON, E. A., GONZÁLEZ, O. N., and VILLACORTE, S. C. Phytin, total phosphorus, and calcium contents of some Philippine foods. Philippine J. Sci. 94(2):141-152. Ref. June 1965. 475 P53
Chiefly vegetables, fruits and grains.
- 18483 BOHM, E. Contribution to the determination and evaluation of nitrates in foods, especially in spinach and other vegetables, in meat and sausage products, as well as in drinking and table waters. (Ge) Deut. Lebensmittel-Rundsch. 62(10):293-304. Ref. Oct. 1966. 389.8 D482
- 18484 CIEGLER, A., and others. Microbial detoxification of aflatoxin. Appl. Microbiol. 14(6):934-939. Ref. Nov. 1966. 448.3 Ap5
E. B. Lillehoj, R. E. Peterson, and H. H. Hall, joint authors.
By Flavobacterium in foods.
- 18485 CROFT, J. A. A survey of extraction and clean up procedures in pesticide residue analysis. Food Technol. Australia 19, i.e. 18 (i.e. 10):14-15, 17, 19. Ref. Oct. 1966. 389.8 F7333
Chiefly insecticides, in food pest control.
- 18486 DESPAUL, J. E. The gangrene organism—a food-poisoning agent [Clostridium perfringens]. Amer. Diet. Ass. J. 49(3):185-190. Ref. Sept. 1966. 389.8 Am34
- 18487 ELLIOTT, R. P. Microbial selection in frozen foods and chilled products. Quick Frozen Foods 29(4):66, 68-69. Nov. 1966. 389.8 Q4
Bacterial tests.
- 18488 GENIGEORGIS, C. Studies on the production and identification of staphylococcal enterotoxin in foods. Diss. Abstr. Sect. B, 27(3):866B. Sept. 1966. Z5055.U49D53
- 18489 GUNTHER, F. A., and BARKLEY, J. H. Conversion of a Dohrmann microcoulometric gas chromatograph to a convenient and rapid "total chloride" unit. Bull. Environ. Contamination Toxicol. 1(2):39-45. Mar./Apr. 1966. RA1270.P35A1
Study of residues of organic chlorinated insecticides in foodstuffs.
- 18490 HENDERSON, J. M. Measuring kinetic friction coefficients using oscillatory motion. Amer. Soc. Agr. Eng. Pap. 339, 16 p. Ref. 1966. 290.9 Am32P
- 18491 HOOK, L., and BRANDT, I. K. Copper content of some low-copper foods. Amer. Diet. Ass. J. 49(3):202-203. Sept. 1966. 389.8 Am34
- 18492 KOY, J. On the concept of carbohydrates and "measurability" of digestible materials content in § 4a of the Food Law. (Ge) Deut. Lebensmittel-Rundsch. 62(10):312-314. Oct. 1966. 389.8 D482
- 18493 LE MOAN, G., and BAILLY, F. Sampling for gas in food products. (Fr) Aliment. Vie 54(7/9):177-191. Ref. 1966. 389.9 So1B
- 18494 LISK, D. J. Detection and measurement of pesticide residues. Science 154(3745):93-98. Oct. 7, 1966. 470 Sci2
With chromatography.
- 18495 MANN, J. B. Heat resistance of Clostridium botulinum type E and the effect of nisin on heat damaged spores of Clostridium botulinum type E. Diss. Abstr., Sect. B, 27(3):850B. Sept. 1966. Z5055.U49D53
In food canning.
- 18496 NARDIN, H. F. Analysing spray residues, or—finding one part in a million. Agr. Gaz. New S. Wales 77(7):408-413. July 1966. 23 N472
Residues in food.

- 18497 PELROY, G. A., and EKLUND, M. W. Changes in the microflora of vacuum-packaged, irradiated petrale sole (*Eopsetta jordani*) filets stored at 0.5°C. *Appl. Microbiol.* 14(6):921-927. Ref. Nov.1966. 448,3 Ap5
- 18499 RAUTELA, G. S., and COWLING, E. B. Simple cultural test for relative cellulolytic activity of fungi. *Appl. Microbiol.* 14(6):892-898. Nov.1966. 448,3 Ap5
Degrading cotton, wood and food products.
- 18499 SALMONELLA and the food industry. *Nat. Provisioner* 155(15):103-107. Oct.8,1966. 286,85 N21
Panel discussion; moderator: E. F. Binkerd; panel members: E. M. Foster, J. C. Bard, and J. Murphy.
- 18500 SAPETTL, C., and SANTAOSTINO, E. A. Residues of Sevin in plant products measured by acetylcholine inhibition. (It) *Agrochimica* 10(4):386-396. Ref. Sept.1966. 385 Ag84
English summary.
- 18501 STRONG, D. H., WEISS, K. F., and HIGGINS, L. W. Survival of *Clostridium* perfringens in starch pastes. *Amer. Diet. Ass. J.* 49(3):191-195. Ref. Sept.1966. 389,8 Am34
- 18502 SZCZESNAK, A. S. Quantifies texture parameters; texture-profiling instrument simulates direction of forces in the human mouth; it permits numerical description of essential mechanical parameters of texture. *Food Eng.* 38(10):89-91. Oct.1966. 399,8 F737
- 18503 TIMBERLAKE, C. F., and BRIDLE, P. Spectral studies of anthocyanin and anthocyanidin equilibria in aqueous solution. *Nature* [London] 212(5058):158-159. Ref. Oct.8,1966. 472 N21
In relation to food coloring.
- 18504 VARSANYI, I. The changing moisture content of foods packed in polyethylene as influenced by varied environmental relative humidities. (Hu) *Budapest. Kozponti Elemiszeripari Kutatóintézet Közlem.* 3:15-22. 1965. 389,9 B85
English summary.
- 18505 WAISS, A. C., and others. Oxidative condensation of catechols and resorcinols. *Tetrahedron Lett.* 50:6251-6255. Dec.1966. 385 T29
J. A. Kuhnle, J. J. Windle, and A. K. Wiersema, joint authors.
- 18506 WOODBURN, M., and KIM, C. H. Survival of *Clostridium* perfringens during baking and holding of turkey stuffing. *Appl. Microbiol.* 14(6):914-920. Ref. Nov.1966. 448,3 Ap5
- 18507 ZBROZYNA, A. J. Phospholipase C (Phosphatidylcholine cholinephosphohydrolase) in *Clostridium* perfringens cultures. *Acta Microbiol. Polon.* 15(2):145-151. 1966. 448,3 Ac82
- ### CONSUMPTION AND UTILIZATION
- 18508 ANGEHRN, O. Methods of prognosis of food consumption. (Ge) *Schweiz. Z. Volkswirtschaft. Statist.* 102(3/4):347-356. Sept./Dec.1966. 280,8 Z3
- 18509 CONSUMERS all: the official consumer's guide. New York, 1965. 496 p. (A Pocket Book Special) TX335.C6
Originally published as *Consumers All*; the Yearbook of Agriculture, 1965, by the U. S. Dept. of Agriculture (1 Ag84Y)
- 18510 GREAT BRITAIN. NATIONAL FOOD SURVEY COMMITTEE. Domestic food consumption and expenditure, 1964 with a supplement giving provisional estimates for 1965. n.p., 1966. 162 p. 389,8 G798D
- 18511 HELTON, E. Getting your money's worth from the food dollar. *Ky. Univ. Ext. H. E.* 3-410, 9 p. Oct.1966. 275,29 K415H
- 18512 HELTON, E. What's in your market basket? *Ky. Univ. Ext. H. E.* 3-408,4 p. July 1966. 275,29 K415H
- 18513 HELTON, E. Your pantry—practical or padded. *Ky. Univ. Ext. H. E.* 3-409,8 p. Oct.1966. 275,29 K415H
- 18514 HIEMSTRA, S. J. Food expenditures in 1965. U. S. D. A. Econ. Res. Serv. *Nat. Food Situation. NFS-118*:27-32. Nov.1966. 1,941 S2F73
Includes consumption.
- 18515 MUELLER, R. Average shopper? Who's she? Study tries to find how consumers differ. *Nat. Provisioner* 155(15):112-117. Oct.8,1966. 286,85 N21
In food purchasing.
- 18516 SMITH, R. M., and FITZSIMMONS, C. Consumer plans for and content of consumption as evidenced by food provisioning. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 269,5 p. Oct.1966. 100 In2Res
- 18517 SPENCER, M. C. Family decision making under uncertainty: an exploration of the development of food shopping patterns by families new in a community. *Diss. Abstr., Sect. A*, 27(4): 866A-867A. Oct.1966. Z5055,U49D5
- 18518 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. *Wirtschaftsrechnungen* 1963/64; Belgique [Family budgets 1963/64; Belgium]. *Statist. Office. Europe. Communities. Sozialstatist. Sonderreihe* 2,441 p. 1963/64. HD7022.S7
Text in French and German.
Includes food consumption and expenditures.
- ### DISTRIBUTION, MARKETING, AND TRANSPORTATION
- 18519 ADLER, M. K. Directory of British market research organisations & services. London, Lockwood, 1965. 88 p. HF5415.2.A3
- 18520 ALLEN-JONES, P. A. Market modernization. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10): 501-502. Oct.1966. 10 G79J
Cooperative.
- 18521 ESHBACH, C. E., and WRISLEY, A. L. Purchasing food for food service establishments. *Mass. Univ. Ext. Food Manage. Program Leaflet.* 10,21 p. Apr.1965. 275,29 M381F00
- 18522 FARMERS UNION COOPERATIVE MARKETING ASSOCIATION (CMA). 52nd annual report 1966. *Yield* 1(12),15 p. Mar.1966. HD1491.A1Y5
- 18523 FLECK, W., WOLK, A., and WALTHER, I. Wettbewerbs- und Absatzprobleme bei landwirtschaftlichen Erzeugnissen in der Bundesrepublik Deutschland [Competition and marketing problems for agricultural products in the German Federal Republic]. *Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.]* 161, various paging. 1966. 281,9 F77E
Bibliography; p.i-vii.
- 18524 GERALD, J. O., and DEWOLFE, M. R. The freight car situation and prospects. *U. S. D. A. Econ. Res. Serv. MTS-163*:25-38. Ref. Nov. 1966. 1,941 M8M34
- 18525 GLICK, I. E. An analysis of the effect of Federal regulatory policies on major chains in retail food distribution. *Diss. Abstr., Sect. A*, 27(3):557A-558A. Sept.1966. Z5055,U49D5
- 18526 GOUBAA, M. R. Toward an efficient distribution of processed foods in Tunisia. *Diss. Abstr., Sect. A*, 27(4):863A. Oct.1966. Z5055,U49D5
- 18527 GRAVES, H. C. H. Trading societies: how much profit? *Agr. Merchant* 46(12):6-7. Dec. 1966. 10 Ag89
Marketing cooperatives in Great Britain.
- 18529 ILLES, T. Difficulties in direct marketing. (Hu) *Magyar Mezőgazdaság* 21(41):16-17. Oct.12,1966. 19 M27
Of agricultural products.
- 18529 KOLN. INSTITUT FÜR HANDELSFORSCHUNG. Absatz-, Kosten- und Ertragsituation den an der Distribution landwirtschaftlicher Erzeugnisse beteiligten Branchen in der Bundesrepublik Deutschland [Marketing, cost, and income situation of the branches concerned with the distribution of agricultural products in the German Federal Republic]. *Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.]* 182, 101 p. Ref. 1966. 281,9 F77
Wholesale and retail.
- 18530 KRIEBEL, W. R. Making food distribution more efficient. *Penn. State Univ. Ext. Farm Econ.* Nov.1966:1-3. 275,28 P38
- 18531 KROHN, H. European Common Market-design for producer cooperatives. (Ge) *Tierzüchter* 18(15):535-537. Aug.5,1966. 49 T445

- 18532 KULKARNI, G. S. Food chain store location strategy in metropolitan Pittsburgh. Diss. Abstr., Sect. B, 27(2):515B-516B. Aug.1966. Z5055.U49D53
- 18533 LEATH, M. N., and MARTIN, J. E. The transshipment problem with inequality restraints. J. Farm Econ. 48(4,pt.1):894-908. Nov.1966. 280.8 J822
- 18534 LUKOWSKI, R. F., and ESHBACH, C. E. Using break-even analysis in food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet. 13,20 p. Dec.1965. 275.29 M381Foo
- 18535 MALTA. CENTRAL OFF. OF STATISTICS. Shipping and aviation statistics of the Maltese Islands, year 1965. Valletta, 1966. 111 p. 256.02 M29Sh
- 18536 MOROCCO. SOUS-SECRETARIAT D'ETAT AU COMMERCE, A L'INDUSTRIE, ET AU MINES. Statistiques du mouvement commercial et maritime du Maroc année 1964 [Statistics of the commercial and maritime movement of Morocco, 1964]. Mohammedia, 1965? 634 p. 270 M82
- 18537 PECCINI, O. The "hedging" operation in its multiple aspects. (It) Nuova Econ. (n.s.)78(7):12-15. Ref. July 1966. 287 P43
- 18538 RAQUIBUZZAMAN, M. Marketed surplus function of major agricultural commodities in Pakistan. Pakistan Develop. Rev. 6(3):376-394. Autumn 1966. 280.8 P17
- 18539 STRECKER, O. Marketing influences on the site orientation of agricultural production. (Ge) Ges. Wirtsch.-Sozialwiss. Landbaues. Schr. 3:93-116, map. Ref. 1966. 281.9 G33
- 18540 SYMPOSIUM ON TRANSPORT OF FROZEN FOODS. [Papers]. 1. Frozen Foods 19(11):606-608. Nov.1966. 295.8 Q4
Held at the Grimsby College of Technology on October 28, 1965, by the Institute of Food Science and Technology.
- 18541 THOMPSON, R. G., and HAIDACHER, R. C. Constant-elasticity demand functions: comment. J. Farm Econ. 48(4,pt.1):1018-1020. Nov.1966. 280.8 J822
Reply by G. W. Ladd and H. Kuang, p.1020-1021.
- 18542 WALSH, R. G. Recent trends in mergers. Yield 1(9):6-7. Dec.1965. HD1491.A1Y5
Of farmers marketing cooperatives.
- 18543 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Sample: how to check a contract. Wash. State Univ. Ext. E. M. 2695, 2 p. Sept. 1966. 275.29 W27Mi
Purchasing.
- 18544 WRISLEY, A. L. Operating budgets for food service establishments. Mass. Univ. Ext. Food Manage. Program. Leaflet. 12,20 p. Dec. 1965. 275.29 M381Foo
- 18545 YEH, C. J. Trends and cycles in agricultural commodity marketing costs. Diss. Abstr., Sect. A, 27(2):296A-297A. Aug.1966. Z5055.U49D5
- 18551 FORTE, W. E. The Food and Drug Administration and the economic adulteration of foods. Food Drug Cosmet. Law J. 21(11):552-598. Nov.1966. 389.58 F732
- 18552 GESELLSCHAFT DEUTSCHER CHEMIKER. FACHGRUPPE "LEBENSMITTEL-CHEMIE UND GERICHTLICHE CHEMIE." Influencing of food through plastics and pesticides; a joint conference of the "Food Chemistry and Legal Chemistry" Group of the Society of German Chemists and the Netherlands Association for Nutrition and Food Technology, September 7 to 9, 1966. (Ge) Deut. Apoth.-Zeitung 106(37):1294-1296. Sept.15,1966. 396.8 Su2
Abstracts of papers.
- 18553 GRANGE, G. R. Standards; what they mean and how they're used. Agr. Marketing [Washington], Oct.1966:4-5. A280.38 Ag8
Chiefly food.
- 18554 GUERRETTE, M. A. The licensing of food salvagers. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:51-55. 1966. 44.9 N4833
- 18555 HELDMAN, D. R., HALL, C. W., and HEDRICK, T. I. Mechanisms of air-borne contamination in freeze-drying and other food processing operations. Amer. Soc. Agr. Eng. Pap. 345,19 p. Ref. 1966. 290.9 Am32P
- 18556 JUMEL, G. Foreign substances in foods; legislative trends. (Fr) Indus. Aliment. Agr. 83(9/10):1147-1153. Sept./Oct.1966. 383 As7
English summary.
- 18557 KNEILMANN, M. New labeling regulations for foods. (Ge) Verpackungs Rundsch. 17(10):1355-1356. Oct.1966. 280.38 V592
- 18558 LEE, F. M. Quality for quantity buyers. Agr. Marketing [Washington], Oct.1966:12. A280.38 Ag8
Food.
- 18559 LENNARTSON, R. W. Grading over the years—from assizes to U.S. Grade A. Agr. Marketing [Washington], Oct.1966:3. A280.38 Ag8
Food.
- 18560 LINDNER, E. Toxic effects of natural foods. II. (Ge) Ernähr.-Umsch. 13(9):304-307. Sept. 1966. 389.8 Er66
Caused by molds.
- 18561 MATHESON, D. S., and DUNN, F. Grading services keep pace with space-age processing. Agr. Marketing [Washington], Oct.1966:7. A280.38 Ag8
Chiefly food.
- 18562 MEISTER, H. E. Why they use the grading service. Agr. Marketing [Washington], Oct. 1966:13. A280.38 Ag8
Chiefly food.
- 18563 MILLO, L. Development of principles of food legislation. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):440-442. Oct./Dec.1965. 289.8 R324
- 18564 MOONEY, B. The hidden assassins. Chicago, Follet, 1966. 230 p. TX533.M6
Includes contamination of foods by pesticides and food fads.
- 18565 NEW YORK STATE ASSOCIATION OF MILK AND FOOD SANITARIANS. 40th annual report including papers presented at the 14th joint conference with Cornell University Department of Food Science, September 12-14, 1966, Utica, New York. n.p., 1966. 238 p. 44.9 N4833
- 18566 OFFICIAL FDA tolerances. Nat. Agr. Chem. Ass. News Pesticide Rev. 24(3):3-23. Feb. 1966. 421 Ag8
Food.
- 18567 PATRON, A., and WUHRMANN, J. J. Influence of oxygen on the preservation of irradiated food products. (Fr) Aliment. Vie 54(7/9):192-212. Ref.p.210-212. 1966. 389.8 So1B
On oxidation.
- 18568 POSTEL, W. Food control. (Ge) Ernähr.-Lehre Praxis 9:33-35. In Ernähr.-Umsch. 13 (9). Sept.1966. 389.8 Er66
- 18569 SEMMLING, H. V. FDA under fire for delays in irradiation clearances. Food Process./Marketing [Chicago] 27(11):14,16,18, 20. Nov.1966. 389.8 F7325
Regulation.

Grading, Inspection, Standardization, and Quality

- 18546 ADAMS, R. Food service sanitation and inspection procedures. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:47-50. 1966. 44.9 N4833
- 18547 BIRTH, G. S. A fiber optics reflectance attachment. Amer. Soc. Agr. Eng. Pap. 322,5 p. 1966. 280.9 Am32P
For Difference Meter in judging agricultural products.
- 18548 DEAN, A. C. Prevent food poisoning; discover the unseen world. Mich. State Univ. Ext. Ext. Bull. 411,14 p. Ref. May 1966. 275.29 M58B
- 18549 FINN, A. M. M. The effect of using motivation and participation questions with a linear program about standard food measuring equipment. Diss. Abstr., Sect. B, 27(2):532B. Aug.1966. Z5055.U49D53
- 18550 FORTE, W. E. The Food and Drug Administration and the economic adulteration of foods. Food Drug Cosmet. Law J. 21(10):533-538. (Cont.) Oct.1966. 389.58 F732

- 18570 SMITH, S. R. The place of grading. Agr. Marketing [Washington], Oct. 1966:2. A230.38 Ag8
18571 WHITE, J. C. Uniform inspection and enforcement of food protection programs in New York State. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:57-60. 1966. 44.9 N4833

PACKING AND PACKAGING

- 18572 COSTER, P. DE. From returnable to disposable containers. (Fr) Vie Econ. Soc. 20(5): 381-392. Oct. 1966. 280.8 Ec79
English summary.
Food.
18573 GAIGNOUX, D. Sterilization of large containers. (Fr) Indus. Aliment. Agr. 83(9/10):1211-1214. Sept./Oct. 1966. 383 As7
English summary.
18574 LEFAUX, R. Permeability of plastic containers to gas and vapors. (Fr) Aliment. Vie 54 (7/9):213-225. 1966. 389.9 So1B
18575 MACCHESNEY, J. What is different about frozen food packaging? Australian Refrig. Air Cond. Heating 20(10):32-34. Oct. 1966. 295.8 R255
18576 PARSONS, J. A. Adhesives for food packaging. Food Manufacture 41(11):73-74. Nov. 1966. 389.8 F736
18577 RONDENAY, F. An application of radiation chemistry; the Girolene retractable film. (Fr) Indus. Aliment. Agr. 83(9/10):1265-1266. Sept./Oct. 1966. 383 As7
English summary.
Effects of radiation on plastics.
18578 SOCIETE LA CELLOPHANE. SERV. ETUDES DE MARCHES. Automatic packing; requisite of modern industry. (Fr) Indus. Aliment. Agr. 83(9/10):1253-1263. Sept./Oct. 1966. 383 As7
English summary.

Prices, Price Control, and Rationing

- 18579 BENDER, F. E., and SUTTON, R. E. A look at flexibilities and elasticities; comment. J. Farm Econ. 48(4,pt.1):1021-1022. Nov. 1966. 280.8 J822
Reply by J. P. Houck, p.1022-1023.
18580 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Internationaler Vergleich der Preise für die Lebenshaltung [International comparison of prices for cost of living]. 1966. Stuttgart, 1966. 66 p. (Its Preise Lohne Wirtschaftssrechnungen, Reihe 10) 265 G3181
Includes figures for food.
18581 HANAU, A. On price expectations in agriculture. (Ge) Agrarwirtschaft 15(10):321-333. Oct. 1966. 281.8 Ag826
English summary.
18582 LEITE, J. P. DA C. Prices in agriculture. (Por) In Lisbon. Universidade. Faculdade de Direito. Curso de direito e economia agrarios, p.331-359. 1965. HD786.L5
18583 SCHNEIDER, M. Zum Abbau der Preisstützung für Düngemittel, Brögetreide und Milch [Lowering of price supports for fertilizers, bread grains and milk]. Osterr. Inst. Wirtschaftsforsch. Monatsber. Beilage 39(81), 15 p. Oct. 1966. 280.9 V672B
18584 SCHRUBEN, L. W. What is the farmer's share of retail food costs? Yield 2(4):14. July 1966. HD149L.A1Y5
18585 WOELFLEIN, K. G. Higher food prices in 1967? Fed. Reserve Bank Phila. Bus. Rev. Oct. 1966:9-13, map. 284.8 F31P
- 18586 AVERY, R. H. Sanitary air control methods. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:107-115. 1966. 44.9 N4833
Food industry.
18589 BARDOT, M. Spray processing; possibilities and applications to the food industries. (Fr) Indus. Aliment. Agr. 83(9/10):1173-1179. Sept./Oct. 1966. 383 As7
English summary.
Includes drying.
18590 BERGH, F. Fluidized freezing. (Da) Konserver Dybfrost 24(10):115-118. 1966. 389.8 K835
Of food.
18591 BERREBI, H. Making instant dried products. (Fr) Indus. Aliment. Agr. 83(9/10):1183-1186. Sept./Oct. 1966. 383 As7
English summary.
18592 BORENSTEIN, B., and SCHNYDER, W. A. Carotenoids as food colors. Glass Pack-Processor 45(11):26-27. Nov. 1966. 309.8 G463
18593 CLARK, C. T. The development of refrigeration in Texas. Tex. Bus. Rev. 40(11):296-299, map. Nov. 1966. 280.8 T312
18594 CLAVEAU, J. The unit process of destruction of microorganisms by heat. (Fr) Chim. Indus. [Paris] 96(5):1359-1370. Ref. Nov. 1966. 383 C42
English summary.
In foods.
18595 CRUZ, F. DE LA. Spain: "Nayade" irradiation facility. Food Irradiation 6(4):A24. Apr./June 1966. 389.8 F7383
18596 CULTREIRA, R. Experiment stations for industry within the framework of scientific and technological research in Italy. (It) Conserve Deriv. Agrumari 15(2):55-62. Apr./June 1966. 389.8 C7622
Food products included.
18597 DARDENNE, M. Technical research and nutrition. (Fr) Chim. Indus. [Paris] 96(5):1437-1448. Nov. 1966. 383 C42
English summary.
Technological and basic research.
18598 DIETZ, G. R., and LAFFERTY, R. H. USAEC food irradiator program. Food Irradiation 6(4):A35-A49. Ref. Apr./June 1966. 389.8 F7383
18599 DREOSTI, G. M. Food physics and engineering. Food Indus. S. Afr. 19(6):73-74. Oct. 1966. 389.8 F7372
18600 DULEY, H. Processing cooperatives and concentration. (Fr) Indus. Aliment. Agr. 83 (9/10):1309-1310. Sept./Oct. 1966. 383 As7
18601 FARKAS, J., KISS, I., and ANDRASSY, E. The lowering of heat and radiation tolerance in Bacillus cereus spores by inducing germination. (Hu) Budapest. Kozponti Elemiszeripari Kutatóintézet Közlem. 1:1-11. Ref. 1966. 389.9 B65
English summary.
In relation to food sterilization.
18602 GAFFNEY, J. J., and STEPHENSON, K. Q. Apparent thermal conductivity during freeze-drying of a food model. Amer. Soc. Agr. Eng. Pap. 329, 18 p. Ref. 1966. 290.9 Am32P
18603 GAIGNOUX, D. The continuous pasteurizer in food processing. (Fr) Indus. Aliment. Agr. 83 (9/10):1203-1208. Sept./Oct. 1966. 383 As7
English summary.
18604 GAIGNOUX, D. The sterilization of canned foods in large receptacles. (Fr) Rev. Conserv. 21(6):125-129. Sept./Oct. 1966. 389.8 R326
18605 GUZMAN, M. P., and CRUEL, C. P. Evaluation of thermal process for low-acid foods canned by the U.P. pilot plant. Philippine J. Nutr. 19(1/2):118-125. Jan./June 1966. 389.8 N924
18606 HALL, L. P., and HOLDSWORTH, S. D. Technological requirements of the frozen commodity. Frozen Foods 19(11):606-608. Nov. 1966. 295.8 Q4
Storage and keeping quality.
18607 HELDMAN, D. R. Transport of a bacterial aerosol in turbulent mixing regions. Diss. Abstr., Sect. B, 27(3):795B. Sept. 1966. Z5055.U49D53
Used in food processing plants.

PROCESSING AND STORAGE

- 18586 ALLAIRE, R. P. Microwave heating in freeze-drying. Amer. Soc. Agr. Eng. Pap. 331, 12 p. 1966. 290.9 Am32P
18587 ARREDONDO MIGUEL, A. Panoramics of aluminum and its alloys in industrial refrigeration applications. (Sp) Rev. Frio 11(1):23-28. Jan./Mar. 1966. 295.8 R324
English summary.

- 18608 HERALD, C. T., RAYNOR, G. E., and KLIS, J. B. New colloidal cellulose produces heat-stable dressings for heat sterilized salads. *Food Process./Marketing* [Chicago] 27(11):54-56, Nov. 1966. 389.8 F7325
- 18609 HODGSON, T. The South African Institute of Refrigeration and Air Conditioning; food storage. *Food Indus. S. Afr.* 19(5):45, 47, 49-51, Ref. Sept. 1966. 389.8 F7372
- 18610 HUGHLETT, L. J. Ball attacks world hunger; develops community cannery program for undeveloped countries; plan based on success of self-help food preservation in hardship areas of USA. *Food Eng.* 38(10):71-75, Oct. 1966. 389.8 F737
- 18611 JONES, V. A., and BRITT, R. P. Acoustic spectra of steam injection heater noise. *Amer. Soc. Agr. Eng. Pap.* 304, 10 p. Ref. 1966. 290.9 Am32P
Food processing equipment.
- 18612 LE BIHAN, M. J. The agricultural products processing industries and the organization of cycles in the modern food economy. (Fr) *Indus. Aliment. Agr.* 83(9/10):1275-1277, Sept./Oct. 1966. 383 As7
English summary.
- 18613 LENIGER, H. A. Mixing of solid materials; general introduction. (Du) *Conserva* 5:120-121, Nov. 1966. 389.8 C7632
French summary.
Food and other products.
- 18614 LONCIN, M. Chemical engineering and the food industries. (Fr) *Chim. Indus.* [Paris] 96(3):581-590, Ref. Sept. 1966. 383 C42
English summary.
- 18615 MAGUIRE, J. F. Developments in materials handling for food freeze-drying. *Amer. Soc. Agr. Eng. Pap.* 333, 26 p. 1966. 290.9 Am32P
- 18616 MARTIN, S. An exclusive QFF analysis. 1. The state of the industry. *Quick Frozen Foods* 29(4):35-41, 116, Nov. 1966. 389.8 Q4
- 18617 MATSUYAMA, A. Japan. I. Recent advances in food irradiation research. *Food Irradiation* 6(4):A19, Apr./June 1966. 389.8 F7383
- 18618 MILLER, A. T., and others. Care and handling of prepared frozen foods in food service establishments. *Mass. Univ. Ext. Food Manage. Program Leaflet* 9, 8 p. Jan. 1965. 275.29 M381 Foo
H. M. El-Bisi, F. M. Sawyer, and C. E. Eshbach, joint authors.
- 18619 MORENO CALVO, J. Disinfection of refrigeration chambers and its influence on the storage of food products. (Sp) *Rev. Frio* 11(1):13-16, Jan./Mar. 1966. 295.8 R324
English summary.
- 18620 MULHENS, K. Practical and hygienic removal of bacteria by cleaning in food industry. (Ge) *Gesundheitswesen* 58(6):84-86, June 1966. 449.8 Z36P
- 18621 ORZECZOWSKI, G. Additives in human foods. (Ge) *Ernahr.-Umsch.* 13(4):95-102, Apr. 1966. 389.8 Er66
- 18622 RAO, G. K., MALATHI, M. A., and VIJAYARAGHAVAN, P. K. Preservation and packaging of Indian foods. II. Storage studies on preserved chapatis. *Food Technol.* 20(8):94-97, Aug. 1966. 389.8 F7398
- 18623 ROGACHEV, V. I. Chemical methods for preservation of foodstuffs. U. S. Joint Publ. Res. Serv. [Transl.] *Preserv. Protein Enrichment Foodstuffs*, USSR, Nov. 4, 1965:1-18, Ref. (JPRS 32,723; TT 65-33202) 173J663Pre
Translation from *Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva* 10(3):287-294, 1965.
CFSTI \$ 2.00.
- 18624 SCHULMEISTER, H. Hints and experiences in the use of frozen foods. (Ge) *Ernahr.-Umsch.* 13(4):105-106, Apr. 1966. 389.8 Er66
- 18625 SEHESTED, K., and HOLM, N. W. Irradiation facilities in Denmark. *Food Irradiation* 6(4):A7-A11, Apr./June 1966. 389.8 F7383
- 18626 SKIDMORE, J. A. H. Modern practice in dry solids mixing in industry. *Food Technol.* Australia 19, i.e. 18(1, i.e. 10):20-21, 23, 25, Oct. 1966. 389.8 F7333
In the processing of foods and feeds.
- 18627 SMITH, P. S. Electronic color sorting upgrades quality and uniformity of gum arabic. *Food Process./Marketing* [Chicago] 27(11):62-63, Nov. 1966. 389.8 F7325
Includes its use as a food stabilizer.
- 18628 SPIRIN, A. S. The problem of protein biosynthesis. U. S. Joint Publ. Res. Serv. [Transl.] *Microbiol. Syn. Indus. Protein Biosyn.* USSR, June 8, 1965:13-39. (JPRS 30,486; TT 65-31197) 173 J663Mic
Translation from *Vestnik Akademii Nauk SSSR* 4:42-50, Apr. 1965.
Issued by CFSTI.
- 18629 STEPCHKOV, K. A., and GOLOBOV, A. D. Protein hydrolyzates and synthetic amino acids as supplementary sources of food proteins. U. S. Joint Publ. Res. Serv. [Transl.] *Preserv. Protein Enrichment Foodstuffs*, USSR, Nov. 4, 1965:19-36, Ref. (JPRS 32,723; TT 65-33202) 173 J663Pre
Translation from *Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva* 10(3):312-319, 1965.
Issued by CFSTI.
- 18630 TEIXEIRA, A. R. N. Food preservation by ionizing radiations. (Por) *Agricultura* [Lisboa] 25:9-13, Jan./Mar. 1965. 15.5 Ag85
- 18631 VALENCIA, I. G. Prospects of radiation food preservation in the Philippines. *Philippine J. Nutr.* 19(1/2):154-157, Jan./June 1966. 389.8 N9524
- 18632 VELDSTRA, J., and MENTING, L. C. Freeze-drying of foods. (Du) *Conserva* 5:128-133, Ref. Nov. 1966. 389.8 C7632
French summary.
- 18633 VOL'PER, I. N. Khimiya v pishchevoi promyshlennosti [Chemistry in processing of food]. Moskva, Pishchevaya Promyshlennost', 1965. 88 p. Ref. TX553.A3V6
- 18634 WILLEMSSENS, P. H. L. Het kunstmatig drogen van akkerbouwproducten in het stro; vier jaar proefnemingen op proefbedrijf De Eest (Nagele, N.O.P.) [The artificial drying of field crops in straw; four years of tests on the experimental farm De Eest (Nagele, N.O.P.)]. Neth. Commissie Nieuwe Bedrijfsyst. Landbouw. Publ. 8, 20 p. Ref. May 1965. 281.9 N387

STATISTICS

- 18635 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. QUEENSLAND OFF. Queensland pocket year book 1966, No. 17. Brisbane, 1966. 144 p., map. 271.3 Q3
Agricultural statistics included.
- 18636 BANK OF KOREA. RESEARCH DEPT. Economic statistics yearbook, 1966. Seoul, 1966 326 p. 280.9 B2273A
Text in Korean.
Includes statistics on agriculture and forestry.
- 18637 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Landwirtschaftszahlung vom 31. Mai 1960. Heft 10. Landwirtschaftliche Betriebe nach ihrer betriebswirtschaftlichen Struktur [Agricultural census of May 31, 1960. No. 10. Agricultural holdings according to economic structure]. Wiesbaden, 1966. 552 p. (Its Land- und Forstwirtschaft, Fischerel.) 265 G3182
- 18638 GORZANOWSKY, P. Sampling and investigation of carbon. (Ge) *Zucker* 19(4):94-97, Feb. 15, 1966. 65.8 Z82
English summary.
In sugar manufacture.
- 18639 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Agricultural statistics 1963/64. London, 1966. 256.01 Ag82Ag
Department of Agriculture and Fisheries for Scotland and Ministry of Agriculture of Northern Ireland, cooperating.
- 18640 HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Statistical pocket book of Hungary, 1966. Budapest, 1966. 199 p., map. 266.5 St272Ae
Includes agricultural statistics.

- 18641 ILLINOIS COOPERATIVE CROP REPORTING SERV. Illinois county agricultural statistics: Alexander County, Ill. Coop. Crop Reporting Serv. Bull. C-15, 43 p., map. Oct. 1966. 252.23 C78Bu
Illinois Department of Agriculture and U.S. Department of Agriculture, cooperating.
- 18642 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. Indian agriculture in brief. Ed. 7. New Delhi, 1965. 122 p. 269.5 InZ1 Statistical.
- 18643 MARZOLF, W. W. Changes in New York State agriculture. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 439, 22 p., map. Sept. 1966. 261.9 C61Ae
A statistical compilation.
- 18644 RUMANIA, DIRECTIA CENTRALA DE STATISTICA. Statistical yearbook of the Socialist Republic of Romania, 1966; translation of textis. Bucharest? 1966. 166 p. 267.8 S12
Agriculture and forestry included.
- 18645 SEIBEL, A. Results of the land use census 1966. (Ge) Mitt. Deut. Landwirt.-Ges. 81(39): 1471-1472. Sept. 29, 1966. 18 N39
Field crop areas.
- BEVERAGES AND CONDIMENTS**
- 18646 ASVANY, A. On the 100th anniversary of the publication of "Etudes sur le vin" [by Louis Pasteur]. (Hu) Borgazdasag 14(3):81-83. 1966. 390.8 B64
- 18647 BAIK, K. U., and LEE, S. Y. A study on utilization of soybean waste as food by hydrolysis with organic acid. I. The manufacturing of refreshing beverage and consideration of its nutritive value. (Ko) Chunchon Nongkwa Taehak. Sin'gu Nonmunjip. J. 1:7-11. Ref. July 1965. Y19.C5
English summary.
- 18648 BALDWIN, J. E. Experimental organic chemistry. New York, McGraw-Hill, 1965. 183 p. QD261.B3
Contains a section on the isolation of caffeine from tea.
- 18649 BARKER, W. G. Marketing: never ending challenge to the tea industry. World Coffee Tea 7 (6):82-83. Oct. 1966. 286.83 W89
- 18650 BATEMAN, M. J. The supply function for Ghanaian cocoa: reply. J. Farm Econ. 48 (4, pt. 1):1032-1034. Nov. 1966. 280.8 J822
- 18651 BERGERON, R. Manufacture of food flavorings. (Fr) France Parfums 9(49):229-236. June/July 1966. 308.8 F84
English summary.
- 18652 CHAUDHARY, S. S. A comparison of volatile aroma components of Sauvignon Blanc grapes, dry wine, and botrytised wine. Diss. Abstr., Sect. B, 27(3):744B. Sept. 1966. Z5055.U49D53
- 18653 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(427):985-1008. (Cont.) Sept. 1966. 390.8 B87
Grape culture in the modern world, its objectives, its methods, and its means: Australian report by E. W. Boehm; Swiss report by R. Gallay; Austrian report by H. Sahratt.
Grape and wine industry.
- 18654 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(428):1141-1179. (Cont.) Oct. 1966. 390.8 B87
Grape culture in the modern world, its objectives, its methods, its means: Hungarian report by J. Katona; German report by W. Becker.
Grape and wine industry.
- 18655 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(428):1191-1205. (Cont.) Oct. 1966. 390.8 B87
Influence of the temperatures of fermentation and storage of wine and special wines on their chemical, microbiological, and organoleptic characteristics: Italian report by C. Cantarelli.
- 18656 CORRIGONI, L. Grape and wine situation in the Marches. (It) Gazz. Com. 19(9):3-11. Sept. 1966. 280.8 G253
- 18657 EDELENYI, M. Stability studies of champagne. (Hu) Borgazdasag 14(3):123-129. 1966. 390.8 B64
French summary.
- 18658 EDLEFSEN, C. Potato distilleries in Palatinat. (Ge) Kartoffelbau 17(5):136. May 1966. 75.8 K145
- 18659 FEDUCHY, E. Possibility of conservation of apiculate yeast (genus Kloeckera) in adverse environmental conditions; preliminary communication. (Sp) Microbiol. Espan. 19(1):69-71. Jan./Mar. 1966. 448.3 M583
English summary.
- 18660 FERENCZI, S. Nitrogen and protein content of Hungarian wines. (Hu) Borgazdasag 14(3): 110-116. 1966. 390.8 B64
French summary.
- 18661 GENTH, H. Bayecovin in the cold sterilization of bottled wine. (Ge) Weinberg Keller 12(11): 499-504. Nov. 1965. 95.8 W435
English summary.
- 18662 GUIDE to coffee in Europe. World Coffee Tea 7(6):13, 16-18, 21, 23, 26-32, 34, 36-54. Oct. 1966. 286.83 W89
Statistics and directory; includes an introductory survey by F. Le Chevalier.
- 18663 GUNTHER, F., BURCKHART, O., and OOSTINGA, I. A contribution to the analysis and composition of pepper types. (Ge) Deut. Lebensmittel-Rundsch. 62(7):212-215. July 1966. 389.8 D482
- 18664 ISKOV, O. Vacuum-gas packing of coffee. (Da) Konserves Dybfrost 24(10):118-120. 1966. 389.8 K635
- 18665 KINCH, D. M. Some design criteria for mechanical drying of coffee beans. Amer. Soc. Agr. Eng. Pap. 317, 9 p. 1966. 290.9 Am32P
- 18666 KOCH, H. J. Is oversulfuring of wine always punishable? (Ge) Deut. Lebensmittel-Rundsch. 62(10):310. Oct. 1966. 389.8 D482
- 18667 LEWIS, W. M. Chemical evaluation of orange juice in compounded soft drinks. J. Sci. Food Agr. 17(7):316-320. Ref. July 1966. 382 S012
- 18668 MAIER, H. G., and DIEMAIR, W. Determination of histamine in the presence of histidine in coffee beans. (Ge) Z. Anal. Chem. 223(4): 263-266. 1966. 384 Z3
English summary.
- 18669 MARADEN, K. E. Wine dates back to Noah—now a science. Brit. Food J. 68(814):155. Nov. 1966. 389.8 B77
- 18670 MARAVALHAS, N. The effect of "dancing" on the quality of fermented cocoa. Trop. Agr. [St. Augustine] 43(4):351-353. Oct. 1966. 26 T754
Brazil.
- 18671 MERCZ, A., and ERCHZHEGYI, L. Experiments with Hungarian diatomite filter. (Hu) Borgazdasag 14(3):104-109. 1966. 390.8 B64
French summary.
Wine manufacture.
- 18672 MOSTEK, J., and DYR, J. Use of non-standardized raw materials and enzyme preparations in continuous brewing. (Ge) Brauwissenschaft 19(9):358-367. Ref. Sept. 1966. 390.8 B733
- 18673 PARIS, FEDERATION DES SYNDICATS DE PRODUCTEURS DE CAFE ET DE CACAO. Secretary's report. (Fr) Cameroun Agr. Past. Forest 97:49-55. Ref. Apr. 1966. 24 C353
- 18674 PESZESZER, GY. Effect of mixing methods on the oxygen content of wine. (Hu) Borgazdasag 14(3):101-104. 1966. 390.8 B54
French summary.
- 18675 PESZESZER, GY. Practical indices of sedimentation rate of must. (Hu) Borgazdasag 14(3):88-91. 1966. 390.8 B64
French summary.
- 18676 PREHODA, J. Methods of temperature control during fermentation in large plants. (Hu) Borgazdasag 14(3):97-100. 1966. 390.8 B64
French summary.
Wine.
- 18677 PROTIN, R. Situation of viticulture in the world in 1965. (Fr) Office Int. Vigne Vin. Bull. 39(428):1206-1247. Oct. 1966. 390.8 B87
Grape and wine statistics.

- 18678 QUINTANILLA, E., and others. The ethyl alcohol-dry extract ratio in wines of western Andalusia (Montilla-Agülar-Moriles). (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):482-488. Oct./Dec.1965. 389.8 R324
F. Bravo, C. Diez, and B. Inigo, joint authors.
- 18679 RANKINE, B. C. Decomposition of L-malic acid by wine yeasts. J. Sci. Food. Agr. 17(7):312-316. Ref. July 1966. 382 S012
In grapejuice.
- 18680 RUYTER, M. W. DE. Methods of continuous fermentation with special reference to brewing and the fermentation cycle. (Fr) Indus. Aliment. Agr. 83(9/10):1217-1229. Sept./Oct. 1966. 353 A57
English summary.
- 18681 SAAVEDRA, L. Hop extracts in beer manufacture. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):409-411. Oct./Dec.1965. 389.8 R324
- 18682 SANTOS, J. O. The International Coffee Organization; summary of objectives. (Sp) Agricultura [Santo Domingo] 434/435:34-37. July/Aug.1966. 8 R323
- 18683 SCHENK, W., and ORTH, H. Manufacture of wine with residual sugar by the individual interruption of fermentation processes or by the addition of sweetening reserves. (Ge) Weinberg Keller 12(11):525-531. Nov.1965. 95.8 W435
English summary.
- 18684 SPANYAR, P., KEVEI, E., and SZARFOLDI, I. Loss of aroma in coffee extract during freeze-drying. (Ge) Kalte 19(10):549-550,552-555. Ref. Oct.1966. 295.8 K122
- 18685 STEPANOV, N. Extraction of the dry substances from coffee-chicory mixture. (Rus) Moloch. Prom. 11:29-30. Nov.1966. 44.8 M734
- 18686 STRYK, H. J., HILDEBRANDT, W., and EH-NERT, W. Distributionswege für Wein und Weinerzeugnisse in der Bundesrepublik Deutschland [Distribution channels for wine and wine products in the German Federal Republic]. Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.] 171,189 p. 1966. 281.9 F77E
Bibliography, p.182-189.
- 18687 TAKEO, T. Tea leaf polyphenol oxidase. IV. Agr. Biol. Chem. 30(9):931-934. Sept.1966. 385 Ag8B
- 18688 THIEDE, G. Wine supplies in the countries of the European Economic Community. (Sp) Argent. Inst. Nac. Vitivinicult. Inform. 1(1):7-19. Jan./Mar.1965. 95.9 Ar3
Chiefly statistics.
- 18689 TUZSON, I. Crystalline precipitation in the sediment of Hungarian wines. (Hu) Borgazdasag 14(3):116-122. 1966. 390.8 B64
French summary.
- 18690 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA. 73rd annual conference. Planter's Chron. 61(18):383-384,386-391,394-398,401. Sept.18,1966. 22 P693
Addresses by S. Chaudhuri, A. S. E. Iyer, and P. S. H. Mohamed.
Tea, coffee, and rubber industries.
- 18691 VASVARI, MRS. G. Surface protection of wine industry containers. (Hu) Borgazdasag 14(3):120-132. 1966. 390.8 B64
French summary.
Against corrosion.
- 18692 VILA AGUILAR, R., and HERNANDEZ GIMENEZ, E. Microbiology of orgeate of chufa. II. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):467-470. Oct./Dec.1965. 389.8 R324
Cyperus esculentus.
- 18695 FISCHER, E. The chances of the German dairy industry in the E. C. under conditions of the common milk market. (Ge) Deut. Mol.-Zeitung 87(43):1843-1847. (Concl.) Oct.27, 1966. 44.8 Su2
- 18696 GENIN, G. Australian research on the manufacture of a new dairy industry byproduct: coprecipitate of casein and whey proteins. (Fr) Lait 45(458):522-527. Ref. Sept./Oct.1966. 44.8 L143
- 18697 GIBSON, D. L. Milk products and processing in South Asia. J. Dairy Sci. 49(10):1299-1303. Oct.1966. 44.8 J822
- 18698 INGRAM, A. Some thoughts on European dairy production plants. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:25-29. 1966. 44.9 N4833
- 18699 KRISTOFFERSEN, T. New cheese varieties for the American market. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 51(3):37,47. May/June 1966. 100 Oh3S
White cheese and Katchkaval from Yugoslavia.
- 18700 KRUPIN, G. V., ed. Primery i zadachi po kursu tekhnologicheskogo oborudovaniya predpriyati molochnoi promyshlennosti [Samples and tasks for a technological course in arranging equipment of the dairy industry]. Moskva, Mashinostroenie, 1966. 287 p. Ref. SF247.K7
- 18701 MACNEISH, A. C. Dairymen's Assoc. of Western Ont.—a 100-year odyssey of dairy progress. Can. Dairy Ice Cream J. 45(12):16-22. Dec.1966. 44.8 C162
- 18702 MANN, E. J. New outlets for milk and milk products. 1. Dairy Indus. 31(11):917-918. Nov.1966. 44.8 D127
New products in Great Britain.
- 18703 MCLAREN, J. Changes in the Dairy Produce Act. Tasmanian J. Agr. 37(3):181-183. Aug. 1966. 23 T182T
- 18704 MILLER, R. H. Nonfat dry milk versus blended food products. U. S. D. A. Econ. Res. Serv. DS-313:31-33. Nov.1966. 1.9 Ec7Ds
- 18705 MONTERO, R. E. Problems in milk production in the Tropics. J. Dairy Sci. 49(10):1303-1305. Oct.1966. 44.8 J822
- 18706 MONTGOMERY, G. A. Milk shortage ahead? Higher slaughter prices spur dairy cow sell-off. Dairy Herd Manage. 2(9):64-65. Oct.1966. SF191.D3
- 18707 RIO PEREZ, A. DEL, and MATALLANA VENTURA, S. Production and industrialization of milk in Spain. (Sp) Rev. Espan. Leche. 61:161-168. Sept.1966. 44.8 R325
- 18708 RUTTI-ZOLLIKOFEN, BERNISCHE MOLKEREISCHULE. 79. Jahresbericht für das Rechnungsjahr 1965 und das Schuljahr 1965/66 [79th annual report for the fiscal year 1965 and the academic year 1965/66]. Zollikofen, 1966. 26 p. 44.9 R93
Library has also 78th report for the fiscal year 1964 and academic year 1965.
Education and research activities.
- 18709 SCHWEIZERISCHE MILCHKOMMISSION. 38th report of activities from the 1965 general assembly to the 1966 general assembly. (Ge) Schweiz. Milchzeitung 92(88):710-712. Nov.4, 1966. 44.8 Sch92
- 18710 SEREN, E. A. The dairy industry at the turn of the year, 1965-66. (Sw) Tidskr. Lantman Andersfolk 1:5-7. Jan.15,1966. 20 T43
- 18711 THE SITUATION in dairying. Dairy Herd Manage. 2(5):14-15,38. June 1966. SF191.D3
- 18712 TENNESSEE UNIVERSITY, AGRICULTURAL EXTENSION SERV. Tennessee's dairy industry is big business. Tenn. Univ. Ext. SP 147, 8 p.-folder, map. June 1965. 275.29 T25Sp

DAIRY PRODUCTS

- 18693 BJORKLUND, G. Development of the dairy industry in inland Troms. (No) Meieriposten 55(42):895-903. Oct.22,1966. 44.8 M47
- 18694 COMPAIRE FERNANDEZ, C. Study of Cebre-ro cheese. (Sp) Rev. Espan. Leche. 61:139-160. Sept.1966. 44.8 R325

Analysis and Composition

- 18713 ASCHAFFENBURG, R. Modified procedure of starch gel electrophoresis for beta-casein phenotyping. J. Dairy Sci. 49(10):1284-1285. Oct.1966. 44.8 J822

- 18714 BAUTISTA, E. S., DAHIYA, R. S., and SPECK, M. L. Identification of compounds causing symbiotic growth of *Streptococcus thermophilus* and *Lactobacillus bulgaricus* in milk. *J. Dairy Res.* 33(3):299-307. Ref. Oct.1966. 44.8 J823
- 18715 BERLIN, E. Isolation and physico-chemical characterization of a lipoprotein fraction from bovine milk. *Diss. Abstr.*, Sect. B, 27(4): 1056B. Oct.1966. Z5055.049D53
- 18716 BERRIDGE, N. J., and SUETT, D. L. Partition of casein between polymer phases. *J. Dairy Res.* 33(3):277-290. Ref. Oct.1966. 44.8 J823
- 18717 BETSCHER, J. H., and others. Flow properties of fluid milk products. *Amer. Soc. Agr. Eng. Pap.* 342,15 p. Ref. 1966. 290.9 Am32P
L. A. Gould, C. D. Jones, and J. L. Blaisdell, joint authors.
- 18718 BRADSHAW, P. L., MARSHALL, R. T., and EDMONDSON, J. E. A statewide survey of freezing points of authentic milk samples. *J. Milk Food Technol.* 29(8):246-247. Aug.1966. 44.8 J824
- 18719 BROGIONI, M., and BOSI, G. On the minor constituents of natural butter; gas chromatographic research on their identification. *(It) Olearia* 20(3/4):80-81. Mar./Apr.1966. 307.8 OL2
English summary, p.62.
- 18720 BURTON, H. A comparison between a hot-wire laboratory apparatus and a plate heat exchanger for determining the sensitivity of milk to deposit formation. *J. Dairy Res.* 33(3):317-324. Oct.1966. 44.8 J823
- 18721 CHANDAN, R. C., and others. Action of certain inhibitors upon specificity of purified milk lipase. *J. Dairy Sci.* 49(9):1150-1152. Ref. Sept.1966. 44.8 J822
K. M. Shahani, J. Sampugna, R. G. Jensen, joint authors.
- 18722 CLARK, W. S., and REINBOLD, G. W. Enterococci in young Cheddar cheese. *J. Dairy Sci.* 49(10):1214-1218. Ref. Oct.1966. 44.8 J822
- 18723 CUCCI, M. W., and O'LEARY, E. C. A micro-capillary tube method of assaying milk fat in dairy products. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:31-32,34-36. 1966. 44.9 N4833
- 18724 DEMOTT, B. J. The freezing point of milk produced in four markets in Tennessee. *J. Milk Food Technol.* 29(10):319-322. Ref. Oct. 1966. 44.8 J824
- 18725 DEMOTT, B. J., and GIBBS, A. W. Volatilization of sulfur from milk heated in presence of added methionine, glutathione, and cystine. *J. Dairy Sci.* 49(9):1152-1154. Ref. Sept.1966. 44.8 J822
- 18726 DILL, C. W. Factors affecting recovery of methyl esters of short-chain fatty acids from esterification mixtures. *J. Dairy Sci.* 49(10): 1276-1279. Ref. Oct.1966. 44.8 J822
In connection with milk fat determination by chromatography.
- 18727 DIXON, B. D. Spreadability of butter: a new test instrument. *Australian J. Dairy Technol.* 21(3):87-93. Sept.1966. 44.8 Au74
- 18728 FRYER, T. F., and SHARPE, A. E. *Pediococci* in Cheddar cheese. *J. Dairy Res.* 33(3):325-331. Ref. Oct.1966. 44.8 J823
- 18729 GATSCHEW, E. P. Determination of glucose content in milk. *(Ge) Bulg. Akad. Nauk. Dokl.* 19(5):751-754. Ref. 1966. 512 So2
- 18730 GRAHAM, H. Spectrophotometric determination of cartagenan ester sulfate in milk and milk products with barium chloranilate. *J. Dairy Sci.* 49(9):1102-1108. Ref. Sept.1966. 44.8 J822
- 18731 GRANHUS, E. Bacteria surviving pasteurization and our consumer milk. *(No) Meieriposten* 55(42):891-895. Oct.22,1966. 44.8 M47
- 18732 GUTMANIS, F., and CHEN, S. L. Determination of fluoride content in cheese by a micro-diffusion method. *J. Dairy Sci.* 49(10):1212-1213. Ref. Oct.1966. 44.8 J822
- 18733 HAUGAARD, G. Photometric determination of fat in milk. *J. Dairy Sci.* 49(10):1185-1189. Oct.1966. 44.8 J822
- 18734 IONESCU, G., and others. Frequency of *Bacillus cereus* in fresh milk and in pasteurized milk. *(Ru) Microbiol. Parazitol. Epidemiol.* 11(5):423-430. Ref. Sept./Oct.1966. 448.3 M584
C. Ienistea, C. Ionescu, N. Ignatescu, T. Man, and V. Manu, joint authors.
English summary.
- 18735 JAIN, N. C. An in vitro evaluation of the influence of humoral and cellular factors in cow's milk on the growth of *Aerobacter aerogenes*. *Diss. Abstr.*, Sect. B, 27(3):684B. Sept.1966. Z5055.049D53
- 18736 JANZEN, J. J. Good quality milk stems from constant attention to flavor, bacteriological quality, sediment control and detecting abnormal milk. *Dairy Herd Manage.* 2(6):38-40. July 1966. SF191.D3
- 18737 JONES, G. A., GIBSON, D. L., and CHENG, K. J. Characterizations of bacteria which produce colonies atypical of the coliform group on violet red bile agar. *J. Milk Food Technol.* 29(10):316-318. Ref. Oct.1966. 44.8 J824
On dairy products.
- 18738 JONES, R. J., JENKINS, D. E., and HSU, K. H. K. Raw milk as a source of mycobacteria. *Can. J. Microbiol.* 12(5):979-984. Ref. Oct.1966. 44.8 C162
- 18739 KALAN, E. B., GREENBERG, R., and THOMPSON, M. P. Analysis of proteolytic digests of genetic variants of α_1 -casein. *Arch. Biochem. Biophys.* 115(3):468-477. Ref. Sept.9, 1966. 381 Ar2
- 18740 KENNEDY, B. M., and SCHELSTRAETE, M. Calcium, protein, fat and moisture of commercially made Cottage cheese. *Amer. Diet. Ass. J.* 49(6):502-504. Ref. Dec.1966. 389.8 Am34
- 18741 KENYON, A. J., JENNESS, R., and ANDERSON, R. K. Role of milk immunoglobulins in fat globule clustering and the ring test phenomenon. *J. Dairy Sci.* 49(9):1144-1148. Ref. Sept. 1966. 44.8 J822
- 18742 KERKHOVEN, E., and DEMAN, J. M. Composition of the trisaturated glycerides of milk fat. *J. Dairy Sci.* 49(9):1086-1090. Ref. Sept. 1966. 44.8 J822
- 18743 KLEYN, D. H. Analytical determination of rancidity in milk and cream. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:117-124. Ref. 1966. 44.9 N4833
- 18744 KLOTZEK, L. M., LEEDER, J. G., and KLEYN, D. H. Objective evaluation of body in ice cream. *J. Dairy Sci.* 49(10):1285-1288. Oct.1966. 44.8 J822
With a texturometer.
- 18745 KNIGHT, S. G. Transformation: an unique enzymatic activity of mold spores and mycelium. *N. Y. Acad. Sci. Ann.* 139(1):5-15. Ref. Oct.7, 1966. 500 N484
Includes *Penicillium roqueforti* from cheese.
- 18746 KUNDRAT, W. Psychrophilic bacteria in milk and milk products. *(Ge) Arch. Lebensmittelhyg.* 17(7):160-162. Ref. July 1966. 41.8 L49
- 18747 LEDFORD, R. A., O'SULLIVAN, A. C., and NATH, K. R. Residual casein fractions in ripened cheese determined by polyacrylamide-gel electrophoresis. *J. Dairy Sci.* 49(9):1098-1101. Ref. Sept.1966. 44.8 J822
- 18748 LYALL, A. Walker casein test for milk with added starter. *Australian J. Dairy Technol.* 21(3):107. Sept.1966. 44.8 Au74
In cheese factories.
- 18749 MARTH, E. H., and others. Degradation of potassium sorbate by *Penicillium* species. *J. Dairy Sci.* 49(10):1197-1205. Oct.1966. 44.8 J822
C. M. Capp, L. Hasenzahl, H. W. Jackson, R. V. Hussong, joint authors.
From processed Cheddar cheese.
- 18750 MCCABE, E. M., and BRUNNER, J. R. Characterization of caseins in gel electrophoretograms. *J. Dairy Sci.* 49(9):1148-1149. Sept. 1966. 44.8 J822

- 18751 MELACHOURIS, N. P., and TUCKEY, S. L. Denaturation of whey proteins in milk heated at high temperatures for short times. *J. Dairy Sci.* 49(9):1154-1156, Sept. 1966. 44.8 J822
- 18752 MURTHY, G. K., and CAMPBELL, J. E. In vitro transformation of inorganic iodine to protein-bound iodine in milk by formaldehyde. *J. Dairy Sci.* 49(10):1190-1196. Ref. Oct. 1966. 44.8 J822
- 18753 NIELSEN, V. H. Detecting off-flavors in milk. *Amer. Dairy Rev.* 28(12):32,60. Dec. 1966. 44.8 Am38
- 18754 O'DELL, W. T., and WATROUS, G. H. Comparison of acid and nonacid volumetric methods for determining percentage of milk fat in homogenized milk and in ice cream. *J. Dairy Sci.* 49(9):1158-1162. Ref. Sept. 1966. 44.8 J822
- 18755 OTERHOLM, A., and ORDAL, Z. J. Improved method for detection of microbial lipolysis. *J. Dairy Sci.* 49(10):1281-1284. Ref. Oct. 1966. 44.8 J822
- 18756 PARLMENT, T. H., NAWAR, W. W., and FERGUSON, I. S. Origin of delta-lactones in heated milk fat. *J. Dairy Sci.* 49(9):1109-1112. Ref. Sept. 1966. 44.8 J822
- 18757 PORCELLI, G. Determination of radioactive strontium in milk by ion exchange resins. (It) *Ist. Super. Sanit. Ann.* 1(1/6):335-341. 1965. R65.18
English summary.
- 18759 PUJOLLE, J., and others. A study of K-casein components. I. Preparation. Evidence for a common C-terminal sequence. *Biochem. Biophys. Res. Commun.* 25(3):285-290. Ref. Nov. 11, 1966. 44.2.8 B5236
B. Ribadeau-Dumas, J. Garnier, and R. Pion, joint authors.
- 18759 ROSE, D., and COLVIN, J. R. Appearance and size of micelles from bovine milk. *J. Dairy Sci.* 49(9):1091-1097. Sept. 1966. 44.8 J822
- 18760 SAMPUGNA, J., PITAS, R. E., and JENSEN, R. G. Gas-liquid chromatographic analysis of milk fat: rapid preparation of butyl esters. *J. Dairy Sci.* 49(11):1462-1463. Nov. 1966. 44.8 J822
- 18761 SHERBON, J. W., and COULTER, S. T. Solid solutions and the hardness of fatty mixtures. *J. Dairy Sci.* 49(9):1126-1131. Ref. Sept. 1966. 44.8 J822
With reference to milk fat in butter manufacture.
- 18762 SHIPE, W. F. Methods of determining fat in milk. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:37-39, 41-45. 1966. 44.9 N4833
- 18763 SINGH, B., and MARSHALL, R. T. Effects of temperature and storage time on the phagocytic activity of leucocytes of milk. *J. Dairy Sci.* 49(9):1113-1116. Sept. 1966. 44.8 J822
- 18764 SMITH, K. L., and MULL, L. E. The effect of selected plating procedures on the bacterial count of instant nonfat dry milk. *J. Milk Food Technol.* 29(8):251-254. Ref. Aug. 1966. 44.8 J824
- 18765 STEMP, A. R., and LISKA, B. J. One-step florisl clean-up and electron-capture gas chromatographic procedure for detection of additional insecticide residues in milk. *J. Dairy Sci.* 49(10):1270-1272. Ref. Oct. 1966. 44.8 J822
- 18766 STOLL, W. F. Syneresis of rennet-formed milk gels. *Diss. Abstr.*, Sect. B, 27(3):851B-852B. Sept. 1966. Z5055.049D53
In cheese manufacture.
- 18767 SWOPE, F. C., KOLAR, C. W., and BRUNNER, J. R. Apparent homogeneity of lactoperoxidase in gel electrophoretograms. *J. Dairy Sci.* 49(10):1279-1281. Oct. 1966. 44.8 J822
In milk.
- 18769 TJEPEKMA, R., and RICHARDSON, T. Electrophoretic mobility of milk fat globules. II. *J. Dairy Sci.* 49(9):1120-1125. Ref. Sept. 1966. 44.8 J822
- 18769 TODOROV, D., IKONOMOV, K., and STOYANOV, S. Microbial studies on the pasteurization of ewe's milk. I. Effect of plate pasteurizers. (Bu) *Vet. Med. Nauk.* 3(5):527-534. Ref. 1966. 41.8 V6468
English summary.

Consumption and Utilization

- 18770 GUY, E. J., VETTEL, H. E., and PALLANSCH, M. J. Use of foam-spray-dried cottage whey in water ices. *J. Dairy Sci.* 49(9):1156-1157. Sept. 1966. 44.8 J822
- 18771 WEBB, B. H. Whey—a low-cost dairy product for use in candy. *J. Dairy Sci.* 49(10):1310-1313. Oct. 1966. 44.8 J822

Distribution, Marketing, and Transportation

- 18772 CLARKE, J. H., HAUGHT, A. L., and SHAW, C. N. Twice-weekly milk delivery: experience, opinions, and economic effects. *W. Va. Agr. Exp. Sta. Circ.* 525T, 60 p. June 1966. 100 W52
Kentucky and West Virginia; includes consumer attitudes.
- 18773 DEVINO, G. T. Earnings of single plant operating cooperatives as related to class III prices, New York—New Jersey milk marketing area. *Diss. Abstr.*, Sect. A, 27(3):563A. Sept. 1966. Z5055.049D5
- 18774 GRUBELE, J. W. Changing market structure of the Minnesota dairy manufacturing industry. *Diss. Abstr.*, Sect. A, 27(4):853A-854A. Oct. 1966. Z5055.049D5
- 18775 HAMMOND, D. H., STRAIN, J. R., and BAUMEL, C. P. Simplifying management games for extension programs. *J. Farm Econ.* 48 (4 pt. 1):1026-1028. Nov. 1966. 280.8 J822
Programs with agribusiness firms, with specific reference to the dairy industry.
- 18776 KUZNETSOV, A. Purchasing and transportation of milk; problems and difficulties. (Rus) *Zakupki Sel'skokhoz. Prod.* 10:3-5. Oct. 1966. 280.38 Z14
- 18777 POTTER, F. E. Purchasing dairy products for food service establishments. *Mass. Univ. Ext. Food Manage. Program Leaflet.* 15, 20 p. Mar. 1966. 275.29 M381F00
- 18779 STAMER, H. Distributionswege von Milch und Milcherzeugnissen, ausgenommen Butter, in der Bundesrepublik Deutschland [Marketing paths of milk and dairy products, with the exception of butter, in the German Federal Republic]. *Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.]* 167, 136 p., map. 1966. 281.9 F77E
Bibliography, p. 132-136.
- 18779 STEINER, M. P. Producer decisions on growth in the Milwaukee Federal milk marketing order. *Diss. Abstr.*, Sect. A, 27(4):855A-856A. Oct. 1966. Z5055.049D5

Grading, Inspection, Standardization, and Quality

- 18780 BARNARD, S. E. Tri-State Milk Flavor Program. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:87-89. 1966. 44.9 N4833
- 18781 CLARK, H. O. Milk flavor in Vermont. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:83-86. 1966. 44.9 N4833
- 18782 DOMMETT, T. W. A bacteriological scheme for evaluation and comparison of hygiene at cheese factories. *Australian J. Dairy Technol.* 21(3):104-106. Sept. 1966. 44.8 Au74
- 18783 GODBERSEN, W. Summarized hints and notes on the most important changes and supplements in the cheese regulation. (Ge) *Deut. Molck.-Zeitung* 87(40):1716-1719. Oct. 6, 1966. 44.8 Su2
- 18784 INDIANA. AGRICULTURAL EXPERIMENT STATION. CREAMERY LICENSE DIV. Fiftieth annual report, by H. F. Ford, Ind. Agr. Exp. Sta. *Insp. Rep.* 59, 15 p., map. June 1965. 280.39 In22
Includes directories.
- 18785 IRVINE, D. M. Standardization of milk for cheesemaking. *Can. Dairy Ice Cream J.* 45 (12):24-27. Ref. Dec. 1966. 44.8 C162

- 18786 JACQUET, J., and DESFLUERS, M. Cladosporium herbarum Link, agent of late "blue" irregularities on soft-paste cheeses, especially Camembert. (Fr) Lait 45(458):485-497. Sept./Oct.1966. 44.8 L143
- 18787 JUCKETT, M. R. Maintaining an I.M.S. rating of at least 90—how to get there. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:153-155. 1966. 44.9 N4833
Milk inspection.
- 18788 KLEYN, D. H. Review of program materials. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:90-92. 1966. 44.9 N4833
Tri-State Milk Flavor Program.
- 18789 KRAUS, H. Introduction of hygiene index figures into production; illustrated in milk production. (Ge) Monatsh. Veterinarmed. 21 (18):681-689. Sept.15,1966. 41.8 M742
English summary.
- 18790 LAWTON, W. C. Major causes of off-flavor are within dairyman's control. Dairy Herd Manage. 2(3):44. Apr.1966. SF191.D3
Milk.
- 18791 LOEPER, H. F. VON. New rules of the cheese regulation. (Ge) Deut. Molk.-Zeitung 87(40): 1713-1715. Oct.6,1966. 44.8 Su2
- 18792 MARCH, R. P. Abnormal milk screening programs in the Northeast. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:61-68. 1966. 44.9 N4833
- 18793 MCCAHOON, J. F. Radioactivity and milk. Town Milk 14(4):36-40. Nov.1966. 44.8 T66
Radioactive contamination.
- 18794 MCCALLUM, P. Grading butter and cheese. Queensland Agr. J. 92(8):498-502. Aug.1966. 23 Q33
- 18795 PROGRESS report on the Tri-State Milk Flavor Program. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:87-95. 1966. 44.9 N4833
Panel discussion; moderator: H. O. Clark.
- 18796 SALMI, T. J. Milk control; an introduction to the new statute. (Fi) Suomen Elainlaakarilehti 72(5):167-171. May 1966. 41.8 F49
- 18797 VIERMANN, H. Adulterated milk sherbet? (Fr) Deut. Lebensmittel-Rundsch. 62(7):210-211. July 1966. 389.8 D482
- Packing and Packaging
- 18799 HARRIS, R. Profit on retail delivery through packaging. Amer. Dairy Rev. 28(12):34-37,61. Dec.1966. 44.8 Am38
- 18799 PARRY, R. M. Report of the National Conference on Interstate Milk Shipments on the fabrication of single-service containers and closures for milk and milk products. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:79-81. 1966. 44.9 N4833
- 18800 SLUMP, H. Packing materials for butter. (Du) Conserva 5:122-124. Nov.1966. 389.8 C7632
French summary.
- Prices, Price Control, and Rationing
- 18801 BERRY, C. R. When milk prices rise. Ark. Farm Res. 15(5):2. Sept./Oct.1966. 100 Ar42F
- 18802 GRAF, T. F. What would economic formulas mean to dairymen's milk prices? Dairy Herd Manage. 2(4):27-30. May 1966. SF191.D3
In Middle Western States.
- Processing and Storage
- 18803 AUSTRALIAN SOCIETY OF DAIRY TECHNOLOGY. Presidential report 1966, by R. W. Irvine. Australian J. Dairy Technol. 21(3):128-129. Sept.1966. 44.8 Au74
- 18803 CARLSON, V. R. Aseptic processing of dairy products. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:125-140. 1966. 44.9 N4833
- 18805 CROWE, L. K. Research and education needed on milk and milk products in developing countries. J. Dairy Sci. 49(10):1306-1309. Oct. 1966. 44.8 J822
- 18806 DAVIS, J. G. Cheese. Volume I. Basic terminology. New York, American Elsevier Publishing, 1965. 463 p. SF271.D3
- 18807 DE MAN, J. M. Problems and related developments in the manufacture of butter. Milk Indus. 59(5):24-27. Nov.1966. 44.8 M593
- 18808 DENMARK. STATENS FORSGSMEJERI. Forsøg vedrørende kolehusoplægning af fløde og af forskellige smørtyper med henblik på smørproduktionens sæsonudjævning. Experiments on the cold storage of cream and different butter types with regard to an averaging out of butter production. Denmark. Stat. Forsogsmejeri. Beretn. 157,52 p. Ref. 1966. 44.9 D414
English summary.
- 18809 DENMARK. STATENS FORSGSMEJERI. Nogle forsøg med udvikling af en kontinuerlig ostningsproces. Some experiments on the development of a continuous cheese-making process. Denmark. Stat. Forsogsmejeri. Beretn. 158,19 p. 1966. 44.9 D414
English summary.
- 18810 EMMONS, D. B., ELLIOTT, J. A., and BECKETT, D. C. Effect of lactic-streptococcal agglutinins in milk on curd formation and manufacture of Cottage cheese. J. Dairy Sci. 49(11): 1357-1366. Ref. Nov.1966. 44.8 J622
- 18811 FARRALL, A. W., SELMAN, R. L., and HANRAHAN, F. P. Cost analysis of foam spray drying of whole milk. Amer. Soc. Agr. Eng. Pap. 320,7 p. 1966. 290.9 Am32P
- 18812 GAUNT, D. S. Cleaning routines in the dairy. Dairy Indus. 31(11):915-916. Nov.1966. 44.8 D1427
- 18813 GOULD, I. A. Translating laboratory research into industrial application. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 51(3):35,42-43. May/June 1966. 100 Oh3S
Dairy technology research.
- 18814 KEPPELER, R. A. Freeze-drying for partial dehydration of Romano cheese. Amer. Soc. Agr. Eng. Pap. 332,9 p. 1966. 290.9 Am32P
- 18815 KLOTZEK, L. M., and LEEDER, J. G. Factors affecting the churning of soft-serve ice cream: homogenization pressures, emulsifier types. Ice Cream Rev. 50(4):20-21,27-28. Ref. Nov.1966. 389.8 Ic22
- 18816 KURMANN, J. A. Technical-fermentative observations on the use of a yeast of Str. faecalis and on the importance of its mesophilic growth trends in the manufacture of cooked hard paste cheeses prepared from raw milk low in bacteria. (Fr) Lait 45(458):499-512. Ref. Sept./Oct.1966. 44.8 L143
English summary.
- 18817 LANG, F. Electronic control of butter from silos to retail packaging. Milk Indus. 59(5): 20-23. Nov.1966. 44.8 M593
- 18818 LANGEVELD, L. P. M., and MOL, J. J. Creaming and keeping quality of milk in plastic bags. (Du) Ned. Zuivelbond. Offic. Orgaan 58 (26):561-566. June 29,1966. 44.9 AL3
English summary.
Homogenized milk.
- 18819 LIGHTBODY, L. G. The effect of low-temperature storage of pasteurized milk on bacterial counts using penicillin agar. Australian J. Dairy Technol. 21(3):94-99. Ref. Sept.1966. 44.8 Au74
- 18820 MAURANGES, P. Preservation of dairy products by cold. (Fr) Econ. Med. Anim. 6(6):372-375. Nov./Dec.1966. 41.8 Ec7
- 18821 MELACHOURIS, N. P. The relation of heat treatment of milk to the changes produced in milk proteins during the ripening of Cheddar cheese. Diss. Abstr., Sect. B, 27(3):850B-851B. Sept.1966. Z5055.U49D53
- 18822 MICKLE, J. B. Influence of emulsifiers and nonfat milk solids on physical stability of reconstituted lyophilized milk products. J. Dairy Sci. 49(9):1117-1119. Sept.1966. 44.8 J822

- 18823 MILLER, J. A method for estimating fines losses in casein whey. *Australian J. Dairy Technol.* 21(3):108-109. Sept. 1966. 44.8 Au74
During casein manufacture.
- 18824 NAKANISHI, T., and ITOH, T. Studies on the changes of the milk casein by various treatment. 3. The properties of insoluble protein occurring in dried milk during storage under humid conditions. *Milchwissenschaft* 21(10): 635-737. Oct. 1966. 44.8 M5933
- 18825 NIELSEN, V. H. Making butter flavor better. *Amer. Dairy Rev.* 28(11):50, 62-63. Nov. 1966. 44.8 Am38
- 18826 RANDALL, A. J. Bulk milk collection in manufacturing district—an economic proposition? *Agr. Gaz. New S. Wales* 77(5):294-300. May 1966. 23 N472
- 18827 RICHARDS, E. Cheese storage under atmospheric and deep freeze conditions. *Dairy Indus.* 31(11):893-897. Ref. Nov. 1966. 44.8 D1427
- 18829 ROBERTSON, P. S. Bacteriophage control and detection. *Dairy Indus.* 31(11):900-905. Ref. Nov. 1966. 44.8 D1427
- 18829 ROBERTSON, P. S. Reviews of the progress of dairy science. Section B. Recent developments affecting the Cheddar cheese-making process. *J. Dairy Res.* 33(3):343-369. Ref. p.366-369. Oct. 1966. 44.8 J823
- 18830 ROTHWELL, J. Studies on the effect of heat treatment during processing on the viscosity and stability of high-fat market cream. *J. Dairy Res.* 33(3):245-254. Ref. Oct. 1966. 44.8 J823
- 18831 RUIZ-CASTANEDA, M., and others. Preservation of milk with formaldehyde. (Sp) *Rev. Invest. Salud Publica* 26(2):129-138. Apr./June 1966. 44.9 M572
J. Ortiz Torres, A. G. Castelazo, E. Escarzaga T., joint authors.
- 18832 SIEGENTHALER, E. J. Milk handling under primitive conditions. *J. Dairy Sci.* 49(10): 1292-1295. Oct. 1966. 44.8 J822
- 18833 SILANTYEVA, L. A., SURAEVA, L. M., and ERMILOV, V. V. Equipment used for processing of milk under high temperature. (Rus) *Masl.-Zhir. Prom.* 9:32-33. Sept. 1966. 307.8 M37
- 18834 STRAND, A. H., and YSTGAARD, O. M. Early salting of Jarlsberg cheese with brine. (No) *Meieriiposten* 55(41):873-879. Oct. 15, 1966. 44.8 M47
- 18835 SYMPOSIUM: MILK HANDLING AND UTILIZATION IN THE DEVELOPING NATIONS. [Papers]. *J. Dairy Sci.* 49(10):1292-1309. Ref. Oct. 1966. 44.8 J822
- 18836 TALL, R. Contribution à l'étude du lait et du lait caillé en Haute-Volta [Contribution to the study of milk and fermented milk in Upper Volta]. *Alfort. Ecole Nat. Vet.* These 63,77 p., map. Ref. 1966. 41.2 AL23
- 18837 TWOMEY, A., and BROWN, F. B. An electric device for detecting foam-detergents. *Australian J. Dairy Technol.* 21(3):103. Sept. 1966. 44.8 Au74
- 18839 TWOMEY, A. Limitations in the use of Q.A.C. detergent-sanitisers. *Australian J. Dairy Technol.* 21(3):100-103. Ref. Sept. 1966. 44.8 Au74
- 18839 WEKRE, E. Traits from the history of the condensed milk industry. (No) *Meieriiposten* 55(40):855-859; (41):879-882; (42):903-907; (43):922-925. Oct. 8-29, 1966. 44.8 M47
With special reference to Norway.
- 18840 WHITE, J. C. Yoghurt processing. *Amer. Dairy Rev.* 28(12):50-52. Dec. 1966. 44.8 Am38
- 18841 WILLIAMS, H. H. Practical means of preserving the milk supply in developing countries. *J. Dairy Sci.* 49(10):1295-1299. Ref. Oct. 1966. 44.8 J822
- 18843 FLORIDA agricultural statistics; dairy summary, 1965. Tallahassee, Crop and Livestock Reporting Service, 1965. 25 p. 281.8 F654
- 18844 KOBRO, J. Calculations on milk production and use of consumer milk in the Cooperative Dairy area. (No) *Meieriiposten* 55(44):932-940. Nov. 5, 1966. 44.8 M47
FEED AND FORAGE CROPS
- 18845 AMERICAN FEED MANUFACTURERS ASSOCIATION. Progress in the feed industry key to improved beef cattle nutrition. *Cattleman* 53(9):34-55, 74. Nov. 1966. 49 C29
Papers by L. H. Boyd, G. A. Karstens, J. L. Krider, and R. R. Spitzer.
- 18846 ARIAS OLALDE, A. Isotopic dilution in the analysis of feeds. (Sp) *Veterinaria [Madrid]* 31(6):373-379. Ref. June 1966. 41.8 V6429
- 18847 BAUM, A., and DYAKOVA, N. Production and usage of the vitamin rich grass meal in Lithuania. (Rus) *Zakupki Sel'skokhoz. Prod.* 10: 34-37. Oct. 1966. 280.38 Z14
- 18849 BOURGEOIS, C. Raw materials in animal nutrition; physical and chemical study of the chief raw materials used in animal nutrition. (Fr) *Tech. Meun.* 107:12-16. (Cont.) May/July 1966. 29.8 S T22
Grain and animal meals (fishmeal, meat meal and blood meal).
- 18849 BOYLE, A. J. Buying stock fodders: how to get the right feed at the right price. *Agr. Gaz. New S. Wales* 77(6):337-342. June 1966. 23 N472
- 18850 CARISS, H. G. List of registered stock foods and stock licks, 1965-66. West. Australia. *Dep. Agr. J. (ser.4)* 7(5):230-231, 233-236. May 1966. 23 W52J
- 18851 CHAFIN, D. G., LOOPE, K. E., and REYNOLDS, R. K. Feed and forage crops. *Va. Polytech. Inst. Ext. Va. Farm Econ.* 199:20-21. Sept./Oct. 1966. 275.29 V813
Outlook.
- 18852 DAY, C. L., and PANDA, H. H. Effect of moisture content, depth of storage, and length of cut on bulk density of alfalfa hay. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):428-432. 1966. 290.9 Am32T
- 18853 DENISOV, N. Industry and usage of concentrated feed. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 5:84-87. 1966. 20 M57
USSR.
- 18854 ELLENA, G. Forage culture basis of a profitable livestock industry. (It) *Bull. Agr. [Milano]* 99(23):1-2. Nov. 26, 1965. 16 B87
Situation, policy, and cultural proposals.
- 18855 HEADLEY, V., and PFOST, H. Feed mixing series. II. Describing particle size distribution of feedstuffs statistically. *Feedstuffs* 38 (44):50-52, 54, 56. Nov. 5, 1966. 286.81 F322
- 18856 HOFMAN, M. A. J. Microwave heating as an energy source for the predrying of herbage samples. *Plant Soil* 23(1):145-148. Aug. 1965. 450 P696
Perennial ryegrass.
- 18857 KANG, I. K. Study of the ensilage of white clover and ryegrass with regard to their soluble carbohydrates. (Ko) *Chunchon Nongkwa Taehak. Yon'gu Nonmunjip.* J. 1:58-66. Ref. July 1965. S19.C5
- 18859 KUTTRUFF, E. Suggestions for better selection and preparation of samples for exact chemical analysis. (Ge) *Saatgut-Wirtsch.* 18 (3):82, 84. Mar. 1966. 61.8 Sa1
Forage plants.
- 18859 MENEAR, J. R. Storage losses in alfalfa silage as affected by container permeability and crop dryness—progress report. *Amer. Soc. Agr. Eng. Pap.* 418, 6 p. 1966. 290.9 Am32P
- 18860 MOYLE, A. I. Salmonellae in rendering plant by-products. *Amer. Vet. Med. Ass. J.* 149(9): 1172-1176. Ref. Nov. 1, 1966. 41.8 Am3
In feed, chiefly.
- 18861 NIELECK, W. Economic problems in green feed transportation. (Ge) *Deut. Agrartech.* 16 (10):459-461. Oct. 1966. 58.8 D482

Statistics

- 18842 AARHUS, KONTORET FOR MEJERI-STATISTIK. *AARHUS, KONTORET FOR MEJERI-STATISTIK [Denmark's dairy statistics]*, 1966, by T. Mathiasen, v. 69, 99 p. Odense, 1966. 44.9 D41A

- 18862 OUTEN, G. E., TILLEY, J. M. A., and WILSON, R. F. Estimation of protein in dried herbage using the dyestuff Orange G. *J. Sci. Food. Agr.* 17(7):285-286. July 1966. 382 So12
- 18863 OWENS, T. R. Feed supply prospects brighter but still tight. *Cattleman* 53(9):51,64. Nov. 1966. 49 C29
- 18864 PFOST, H., and others. Feed mixing series. III. Physical characteristics of feed microingredients. *Feedstuffs* 38(45):62-64. Nov.12, 1966. 286.81 F322
C. Deyoe, C. Stevens, and E. Morgan, joint authors.
- 18865 PFOST, H. B. Statistical concepts for evaluating feed mixers. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(3):335-337. Ref. 1966. 290.9 Am32T
- 18866 PIERRE, K. J. Constitution of the hemicellulose of fescue grass (*Festuca arundinacea* Shreb.). *Diss. Abstr.*, Sect. B, 27(4):1066B. Oct.1966. Z5055.U49D53
- 18867 RAMSEY, D. S. Modified Allred-Kennedy steel silos for evaluation of silage. *J. Dairy Sci.* 49(9):1141-1142. Sept.1966. 44.8 J822
- 18868 RASMUSSEN, O. G. Effect of processing temperatures on the utilization of lysine in meat meal proteins as measured by microbiological, chemical and biological assay methods. *Diss. Abstr.*, Sect. B, 27(2):343B. Aug.1966. Z5055.U49D53
Leuconostoc mesenteroides as test organism.
- 18869 RICHE, A., and others. Total processing of potatoes for preparation of a high-value protein feed with *Candida utilis*. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(3):144-153. Ref. May 1966. 389.78 Z3
W. Nordheim, A. Martini, and G. Muller, joint authors.
English summary.
- 18870 SARRA, C., and DURIO, P. The chemical and nutritive composition of maize in the commonest varieties. (It) *Turin. Univ. Fac. Med. Vet. Ann.* 14:265-271. 1964. 41.9 T843
English summary.
As feed.
- 18871 SOCIETY FOR ANALYTICAL CHEMISTRY. ANALYTICAL METHODS COMMITTEE. The determination of acintrazone. *Analyst* 91(1087):672-675. Oct.1966. 382 An1
In medicated feeds.
- 18872 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. The University of Tennessee forage testing service, sampling & mailing information. *Tenn. Univ. Ext. Sp* 145,10 p.-folder. June 1965. 275.29 T25sp
Hay, grain, and silage testing in Forage Testing Laboratory.
- 18873 THOMPSON, J. L. A power hydraulic press for making laboratory pellets. *Can. J. Anim. Sci.* 46(2):136-137. Aug.1966. 41.8 C163
- 18874 TOTH, A. Technology of mixing-in carbamide. (Hu) *Malomipar Termenyforgalom* 18(5):170-177. Sept./Oct.1966. 298.8 M292
Feed processing.
- 18875 VERBAND DEUTSCHER LANDWIRTSCHAFTLICHER UNTERSUCHUNGS- UND FORSCHUNGSANSTALTEN. FACHGRUPPE FUTTERMITTELUNTERSUCHUNG. New Association methods for feed analysis. (Ge) *Landwirt. Forsch.* 19(1):56-69. 1966. 18 L2333
Summarized by K. Naumann.
- 18876 WILKINSON, R. H., and HALL, C. W. Respiration heat of harvested forage. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(3):424-427. 1966. 290.9 Am32T
Hay.
- 18877 WOLFF, E. Materials handling & process control options for the feed processing industry. *Feeds Illus.* 17(11):12-16. Nov.1966. 389.78 F326
- FIBERS AND TEXTILES
- 18878 ANDERSON, C. A., and LEEDER, J. D. Residual lipid contaminants in processed wool: effect on permanganate-salt shrinkproofing. *Textile Res. J.* 36(11):1016-1020. Ref. Nov. 1966. 304.8 T293
- 18879 ASOCIACION DE INVESTIGACION TEXTIL ALGODONERA. Content of non-spinnable material and grade of cottons from various countries, determined by colorimetry. (Sp) *Invest. Inform. Textil* 9(3):303-321. Sept.30,1966. 304.8 In84
Centro Algodonero Nacional de Barcelona, cooperating.
- 18880 AUSTRALIA. COMMONWEALTH SCIENTIFIC, INDUSTRIAL AND RESEARCH ORGANIZATION. WOOL RESEARCH LABORATORIES. Annual report 1965-66. Melbourne, 1966. 55 p. 304.9 Au733
- 18881 BARELLA, A., MIRO, P., and SUST, A. Contribution to the study of the birefringence of wools (Sp) *Invest. Inform. Textil* 9(3):259-267. Sept.30,1966. 304.8 In84
English summary.
- 18882 BATRA, S. K., and BACKER, S. Recovery of fibers and yarns from extensions at high speeds. *Textile Res. J.* 36(11):1029-1030. Nov.1966. 304.8 T293
- 18883 CHEMICAL FINISHING CONFERENCE, 15, WASHINGTON, D. C., 1966. [Summaries of papers]. 2. *Textile Bull.* 92(12):50-54. Dec. 1966. 304.8 So82
Sponsored by the National Cotton Council of America.
- 18884 COTTON UTILIZATION RESEARCH CONFERENCE, 5, NEW ORLEANS, LOUISIANA, 1965. Proceedings. U. S. Agr. Res. Serv. ARS-72-42, 55 p. 1965. A381 R31
Sponsored by Southern Utilization Research and Development Division, U. S. Agricultural Research Service.
Summaries and discussions of papers.
- 18885 DE MONTE, N. T. H. Sacks made from woven uniaxially orientated polypropylene tape. *Jute Canvas Rev.* 37(456):13-15. Sept.1966. 73.38 J982
Jute substitutes.
- 18886 DOBOZY, O. K. The effect of mordants on the properties of wool fiber. II. (Du) *Tex* 25(11):706-714. Nov.1966. 304.8 T3195
- 18887 DOBOZY, O. K. The effects of dyeing on the properties of wool fiber. (Du) *Tex* 25(10):646-651. Ref. Oct.1966. 304.8 T3195
- 18888 DRAKE, G. L., LEONARD, E. K., and REEVES, W. A. Flame-resistant duck defies weather. *Textile Indus.* 130(12):145,147,192. Dec.1966. 304.8 C823
Cotton duck.
- 18889 EGERTON, G. S., ATTIE, E., and RATHOR, M. A. Photolytic degradation of textile fibres in the far ultra-violet. *Nature [London]* 211(5053):1087-1088. Sept.3,1966. 472 N21
- 18890 FARRAR, J. E., and LEES, K. A colorimetric method for the estimation of dieldrin in wool. *Soc. Dyers Colour. J.* 82(10):379-382. Oct. 1966. 306.9 Sol
- 18891 FELLINEK, G. Structural changes in cellulose triacetate fibers through heat fixing. (Ge) *Melliand Textilber* 47(10):1183-1187. Ref. Oct.1966. 304.8 T312
- 18892 FEUGELMAN, M. Optical birefringence and crystallinity of wool fibres in formic acid. *Nature [London]* 212(5061):497-498. Oct.29,1966. 472 N21
- 18893 FRATER, R. Comparison of similar protein components isolated from wool and wool roots. *Australian J. Biol. Sci.* 19(4):699-710. Ref. Aug.1966. 442.8 Au72
- 18894 FROTSCHER, H., and KLING, W. Wash and wear processing of cotton textiles. (Ge) *Chem.-Ing.-Tech.* 38(11):1144-1148. Ref. Nov.1966. 384 C428
- 18895 GALBRAITH, R. L., and IZARD, J. Stain-repellent fabrics: how to remove stains; how to retain and repair the repellent finish. *Ill. Res.* 8(4):10-11. Fall 1966. 100 IL64
- 18896 GOW, E. F. Wool—oldest of all textile fibres. *Can. Textile J.*, Nov.25,1966:55-56. 304.8 C16
Includes research programs.
- 18897 GRIFFITH, J. C., and MASON, P. The effect of formaldehyde on wool before, during and after contraction in lithium bromide solution. *Textile Res. J.* 36(11):1021-1022. Nov.1966. 304.8 T293

- 18899 GRIN'KO, S. Is there necessity for an intermediary agent in delivering wool to the factory. (Rus) Zakupki Sel'skokhoz. Prod. 10:41. Oct. 1966. 280,38 Z14
- 18899 GRUONER, S. Spinning problems in the half wool yarn sector. (Ge) Melliland Textilber. 47(8):863-867. (Cont.) Aug. 1966. 304.8 T312
- 18900 HARNESSE, V. L., and LEWIS, C. F. Cotton in Turkey. U. S. Foreign Agr. Serv. FAS-M-179, 18 p., map. Sept. 1966. A281.9 F76Fm Industry including trade.
- 18901 HENNING, H. J., and DALLMANN, N. Measurement of light transmittance of dark fibers from wool tops. (Ge) Z. Gesamte Textil Indus. 68(10):732-737. Oct. 1966. 304.8 D485 English summary, p.730.
- 18902 HENRY, Z. A., and HERTEL, K. L. Effects of fiber orientation on electrical conductivity of a mass of cotton. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):386-388. 1966. 290.9 Am32T
- 18903 HERZOG, W. The tension-stretch characteristics of spinning fibers. (Ge) Melliland Textilber 47(8):847-854. Aug. 1966. 304.8 T312
- 18904 HOWE, J. R. Facts about permanent press. Kans. State Univ. Ext. C-373, 8 p., folder. Nov. 1966. 275.29 K13Ex
- 18905 IBRIK, M. Die Stellung der Baumwollwirtschaft in der Entwicklung der syrischen Volkswirtschaft [The position of the cotton industry in the development of the Syrian economy]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 12, 140 p., map. Ref. 1965. 105.8 B644
- 18906 ISINGS, J. Combined fluorescence dichroism and polarization microscopy of cotton fibres under stress. Microscope 15(2):71-79. Ref. Jan./Feb. 1966. 440.8 M584
- 18907 JUNEJA, K. K., SULE, A. D., and CHIPALKATTI, H. R. Estimation of lanthionine content of wool by paper chromatography. Textile Res. J. 36(11):1027-1028. Nov. 1966. 304.8 T293
- 18908 JUNEJA, K. K., SULE, A. D., and CHIPALKATTI, H. R. Solvent systems for separation of amino acids in wool by paper chromatography. Textile Res. J. 36(11):1028-1029. Nov. 1966. 304.8 T293
- 18909 KAUSCH, W. Observations on "permanent press." (Du) Tex 25(9):588-590. Sept. 1966. 304.8 T3195
- 18910 KELLER, H. Automation in staple fiber spinning. (Ge) Melliland Textilber. 47(10):1089-1101. Oct. 1966. 304.8 T312
- 18911 KOCEVAR, F., and GUZELJ, A. A new microchemical method for the quantitative analysis of jute and kenaf in mixed yarns. (Ge) Melliland Textilber. 47(8):907-908. Aug. 1966. 304.8 T312
- 18912 KOPCZYNSKI, J., and WLOCHOWICZ, A. Alterations of some parameters of the submicroscopic structure of flax fibers during their primary processing. Textile Res. J. 36(11):967-970. Ref. Nov. 1966. 304.8 T293
- 18913 KRUGER, P. J. Carding and combing of mohair. II. Noble combing. Textile Res. J. 36(11):971-977. Nov. 1966. 304.8 T293
- 18914 LINDNER, B. Roller carding in the wool felt industry and its rationalisation by shortening machine idle times. Textil-Praxis, Int. Edition 3:80-83. Sept. 1966. 304.8 T3143Ae
- 18915 LORD, P. R. Break spinning by use of an air vortex. Textile Rec. 84(1005):52-54, 56. Dec. 1966. 304.8 T311
- 18916 LUDWIG, M. Cotton in the world textile industry, still one of the leading textile fibers. (Du) Tex 25(9):567-568. Sept. 1966. 304.8 T3195
- 18917 MARSHALL, M. H. Fabric finishes. Ky. Univ. Ext. H. E. 2-510A, rev., 8 p. Oct. 1966. 275.29 K415H
- 18918 MCLEOD, D. D. Common wool faults. Tasmanian J. Agr. 37(3):221-228. Aug. 1966. 23 T182T
- 18919 MECIANI, A. Control of quality in cotton spinning. (It) Indus. Cottoniera 7:417-422. July 1966. HD9886.1815
- 18920 MILLIGAN, G. Studies in wool yellowing. XV. Textile Res. J. 36(11):1012-1015. Nov. 1966. 304.8 T293 Textiles.
- 18921 MIRO, P., and BLADE, J. Study of the dinitrophenylable amino acids of wool. (Sp) Invest. Inform. Textil 9(3):291-302. Ref. Sept. 30, 1966. 304.8 In84 English summary.
- 18922 NAURYZBAEV, I. Disinfection of wool contaminated with foot-and-mouth disease virus. 8 p. Transl. 16084 Translation from Vsesoyuznyi Institut Veterinarnoi Sanitarii. Trudy 24:404-406. 1964.
- 18923 NEDHAM, H., and PARKIN, W. Developments in machinery for woollen and worsted yarn manufacture. Textile Rec. 84(1004):74-77. Ref. Nov. 1966. 304.8 T311
- 18924 NEW ZEALAND WOOL COMMISSION. Fourteenth report and statement of accounts for the year ended 30th June 1966. Wellington, 1966. 19 p. 284.3459 N48 Marketing and trade.
- 18925 NEW ZEALAND WOOL COMMISSION. Statistical analysis of New Zealand wool production and disposal, 1965-66 season. Wellington, 1966. 115 p. 386.3459 N482
- 18926 NITSCHKE, G. Development, properties, and quality of German Merino wools. (Ge) Z. Gesamte Textil Indus. 68(9):648-655. Ref. Sept. 1966. 304.8 D485 English summary, p.378.
- 18927 NUDING, H. Efficient processing of synthetic fibers in the spinning plant. (Ge) Chemiefaser 16(11):865-868, 870-872. Nov. 1966. 304.8 J45 Includes the cotton spinning system.
- 18929 OLOFSSON, B. The effect of a curved configuration of a fiber on the critical extension force for yield or break. Textile Res. J. 36(11):1025-1027. Nov. 1966. 304.8 T293
- 18929 OXTOBY, E. Centrifugal spinning of worsted yarns. I. Wool Textile Indus. 41(544):6-7. Aug. 1966. 45.8 W886
- 18930 PITTMAN, R. A. A theory of yarn untwisting in swelling liquids. Textile Res. J. 36(11):1020-1021. Nov. 1966. 304.8 T293 Cotton.
- 18931 PONTING, K. G. Cape snow whites held in high regard. Woolbro 19(5):39. Dec. 1965. 45.8 W83 Type of Merino wool.
- 18932 RALL, U. The chemistry of finishing—historical development and present state. (Ge) Z. Gesamte Textil Indus. 68(9):684-688. Sept. 1966. 304.8 D485 English summary.
- 18933 RATH, H., RAU, J. H., and BRINK, G. On halogen derivatives of cellulose. (Ge) Melliland Textilber. 47(8):909-912. Ref. Aug. 1966. 304.8 T312
- 18934 RICHARDS, R. T. D. Quality control in woollen yarn manufacture. Textile Inst. Indus. 4(11):319-321. Nov. 1966. 304.8 T313
- 18935 ROBERTS, E. M., and HEATON-HARRIS, D. The fineness grading of Merino wool based on measured fibre diameter. Australian Soc. Anim. Prod. Proc. 6:420-423. 1966. 49.9 Au72
- 18936 ROUETTE, H. K. The cross-linking of wool with nitrophenyl esters of dicarbonic acid. (Ge) Melliland Textilber. 47(8):903-906. Ref. Aug. 1966. 304.8 T312
- 18937 RYBAL'SKAYA, M. Mechanical selection of the cotton samples direct from the trailers. (Rus) Zakupki Sel'skokhoz. Prod. 10:44-45. Oct. 1966. 280.38 Z14
- 18938 SIMOR, P. Development and future of hackling. I. (Ge) Spinner Weber Textilveredlung 84(11):1235-1238. Ref. Nov. 1966. 304.8 Sp4f English summary, p.1232. Flax.
- 18939 SKURKOVA, M. The determination of the bast contents in individual stalks of flax. (Cz) Len Konopi 5:159-162. 1965. 73.8 L543 English summary.
- 18940 SOIGNET, D. M., BERNI, R. J., and BENIERI-TO, R. R. Comparison of properties of anion-exchange cottons in fabric form. Textile Res. J. 36(11):978-989. Ref. Nov. 1966. 304.8 T293 In relation to crease recovery properties.

- 18941 SOUTH AFRICAN WOOL BOARD. Annual report, 1964-65. Wolboer 19(6):5-21. Jan.1966. 45.8 W83
Text in Afrikaans, 19(5):5-21. Dec.1965.
- 18942 SOUTH AFRICAN WOOL COMMISSION. Analysis of wool sold at auction, season: 1965-66, n.p.,1966. 20 p. 281.345 S883
Statistics.
- 18943 SOUTH AFRICAN WOOL COMMISSION. Annual report, 1964-65. Wolboer 19(7):35-48. Feb.1966. 45.8 W83
Text in Afrikaans, 19(6):51-64. Jan.1966.
- 18944 SOUTH AFRICAN WOOL COMMISSION. Statistical analysis of the South African wool clip. Wolboer 19(7):15-17,19-21. Feb.1966. 45.8 W83
- 18945 SOUTHERN FARM MANAGEMENT RESEARCH COMMITTEE. Cotton: supply, demand, and farm resource use. Southern Coop. Ser. Bull. 110,94, map. Ref. Nov.1966. 100 G2950
Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia; and U. S. Department of Agriculture, co-operating.
- 18946 STEENKS, F. L. General introduction to the "durable press" theme. (Du) Tex 25(11):714-721. Ref. Nov.1966. 304.8 T3195
Includes discussion.
- 18947 STEIN, H. Studies involving the measurement of the influence exerted on threads by the heat ring spinning frame and ring twister travelers. (Ge) Z. Gesamte Textil Indus. 68(9): 656-661. Ref. Sept.1966. 304.8 D485
English summary, p.378.
- 18948 SUST, A., SAURI, R. M., and TORN, J. Improvement of variability in cotton spinning tests with the Platt-Shirley apparatus; a new rapid working technique. 1. (Sp) Invest. Inform. Textil 9(3):323-329. Sept.30,1966. 304.8 In84
- 18949 UNO, M., SHIOMI, A., and YANAGAWA, Y. Measuring fiber fineness by horizontal airflow. 2. Textile Mach. Soc. Jap. J. 12(4):163-168. Aug.1966. 304.9 T3123J
Cotton.
- 18950 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Supplement for 1966 to: Statistics on cotton and related data, 1925-1962. U. S. D. A. Statist. Bull. 329,146 p. Nov.1966. 1 Ag848t
By E. F. Morriss and S. Frye.
- 18951 WANJURA, D. F., MCLEOD, H. E., and GARNER, T. H. Drying relationships for pneumatically conveyed seed cotton. Amer. Soc. Agr. Eng. Pap. 352,20 p. Ref. 1966. 290.9 Am32P
- 18952 WATERS, W. T., PHILLIPS, J., and FIORI, L. A. The effect of fiber-bundle elongation of medium staple cottons on processing performance and yarn properties. Textile Res. J. 36(11):1004-1012. Ref. Nov.1966. 304.8 T293
- 18953 WIRTH, W. The influence of the opening of cotton flock on the cleaning of same in blowing room processing. Textil-Praxis, Int. Edition 3:69-73. (Concl.) Sept.1966. 304.8 T3143Ae
- 18954 WOOL bleaching. 1. Wool Sci. Rev. 30:16-26. Aug.1966. 304.8 W887
- 18955 YASHUNSKAYA, A. G., SHORYGINA, N. N., and ROGOVIN, Z. A. Preparation of dialdehyde cellulose and its ethers. 10 p. Ref. (TT 66-51139) Transl. 16302
From cotton linters.
Translation from Zhurnal Prikladnoi Khimii 22(8):865-873. 1949.
CFSTI: \$1.00.
- FRUITS, VEGETABLES, AND NUTS**
- 18956 ADKINS, J. N. Early potatoes 1965. Bristol. Univ. Dep. Econ. Farm Econ. Notes 18,6 p. Oct.1965. 281.9 B774
Situation and outlook.
- 18957 BAIN, B. M., and HOOS, S. California orange industry: changing production patterns. Gianini Found. Agr. Econ. Res. Rep. 288,181 p., map. June 1966. 281.9 G34M
- 18958 BAUER, G. Problems in fruit growing. (Ge) Deut. Gartenbau 13(2):45. Feb.1966. 80 G1948
Policies.
- 18959 BRITISH Columbia-Canada's largest apple producer. Int. Fruit World 3:180,183,185-186. 1966. 286.83 F9426
Text also in French and German.
- 18960 CHANGES in the United States' fresh fruit and vegetable industry. Int. Fruit World 3:317-318,321-322,325-326,329,331-332. 1966. 286.83 F9426
Text also in French and German.
- 18961 THE CUCUMBER. Int. Fruit World 3:3-4,7,9, 11,13-14,17,19-20. 1966. 286.83 F9426
Text also in French and German.
- 18962 DECLINE of cherry cultivation in Switzerland. Int. Fruit World 3:140,143,145-146,149-150. 1966. 286.83 F9426
Text also in French and German.
- 18963 DIEDERICH, P. Potato industry in Luxemburg. (Ge) Kartoffelbau 17(5):162. May 1966. 75.8 K145
- 18964 EAUBONNE, G. D'. New use for fruit juices: liquid foods for infants. (Fr) Indus. Aliment. Agr. 83(9/10):1239-1242. Sept./Oct.1966. 383 As7
English summary.
- 18965 GRUNENBAUM, R. Spring potato cultivation area in the Palatinate. (Ge) Kartoffelbau 17(5):132. May 1966. 75.8 K145
- 18966 HOLUB, R. Horticulture in the Province of Burgenland. (Ge) Gartenbauwirtschaft (ser.8): 197,199-200. Sept.7/9,1966. 80 G1936
- 18967 THE IMPORTANCE of the latest Brussels decisions to the Italian fruit trade. Int. Fruit World 3:77-78,81-82,85-86,89. 1966. 286.83 F9426
Text also in French and German.
- 18968 ITALIAN citrus production seen in the light of world production. Int. Fruit World 3:211-212, 215-216,219,221-222,225,227,229,231-232,235. 1966. 286.83 F9426
Text also in German and Italian.
- 18969 LA CROIX, G. L. DE. A market of 50 billions A. F. for greenhouse market gardening. (Fr) Marches Europe. Fruits Legumes 935:5-6. Oct.27,1966. 286.83 M33
- 18970 LIPP, F. The development of vegetable production of the Burgenland Province during the last ten years. (Ge) Gartenbauwirtschaft (ser.8):200-202. Sept.1966. 80 G1936
- 18971 MUNCH. Malenfeld-a traditional potato production region. (Ge) Kartoffelbau 17(5):134. May 1966. 75.8 K145
- 18972 THE NEW EEC regulations seen from the French point of view. Int. Fruit World 3:71-72,75. 1966. 286.83 F9426
Text also in French and German.
Fruit and vegetables.
- 18973 NICKELS, N. The sweet smell of prosperity. Ontario Hydro News 53(11):9-11. Nov.1966. 335.9 On8B
Apple industry.
- 18974 PATT, J. Trends in the citrus industry. Agr. Israel 11(1):47. Oct.1965. 22.5 Ag825
- 18975 RABIA, J. DE. Orange front in the Mediterranean countries. (Ge) Fruchthandel 42:1648-1650. Oct.21,1965. 286.83 F9428
- 18976 RASSAT, J. Spain 1965-66, a season still marked by bad weather. (Fr) Marches Europe. Fruits Legumes 934(spec.no.):7,11. Oct.26,1966. 286.83 M33
Effects on the citrus industry.
- 18977 THE RISING citrus industry of California. Int. Fruit World 3:335,337,339,341-342,345,347. 1966. 286.83 F9426
Text also in French and German.
- 18978 SITUATION of the Swiss cherry culture. (Ge) Obstundschau 25(8),4 p. Aug.27,1965. 80 Ob74
Text also in French.
- 18979 STORCK, H. Horticulture as a branch of the economy: structure and development trends. (Ge) Agrarwirtschaft 15(11):361-371. Ref. Nov.1966. 281.8 Ag826
English summary.

- 189980 STOY, U. Growing potatoes for starch in 1966. (Ge) Starke Kartoffel 11(1):4. In Kartoffelbau 17(2). Feb.1966. 75.8 K145
Outlook and acreage.
- 189981 UTERMARK, H. International "Green Week" [Internationale Grune Woche] in Berlin in 1966. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(2):73-74. Feb.1966. 85 J76
A show.
- 189982 VASILEV, V., and NEDEV, N. Importance and outlook for walnut and almond industry. (Bu) Selskostopanska Nauk. 5(2):9-14. 1966. 21 Se492
- 189983 VOGLER, J. Seed potato industry in the upland region. (Ge) Kartoffelbau 17(5):140-141. May 1966. 75.8 K145

Analysis and Composition

- 189984 BROWN, R. H., and PERRY, J. S. The electrical properties of apples and potatoes. Amer. Soc. Agr. Eng. Pap. 336,12 p. Ref. 1966. 290.9 Am32P
- 189985 CALDERBANK, A., and YUEN, S. H. An improved method for determining residues of diquat. Analyst 91(1087):625-629. Oct.1966. 382 An1
In potatoes.
- 189986 CITRUS RESEARCH CONFERENCE, PASADENA, CALIFORNIA, 1965. Program and abstracts of papers. Albany, California, U. S. Agricultural Research Service, Western Utilization Research and Development Division, 1965. 17 p. A93.09 C74
Analysis and processing.
- 189987 DZAMIC, M. D., and JANKOVIC, B. R. Radiation effects in pectins. Int. J. Appl. Radiat. Isotopes 17(10):561-566. Ref. Oct.1966. 334.8 In84
- 189988 FRECHETTE, R. J., and ZAHRADNIK, J. W. Thermal properties of the McIntosh apple. Amer. Soc. Agr. Eng. Pap. 305,27 p. Ref. 1966. 290.9 Am32P
- 189989 HAWORTH, F., and CLEAVER, T. J. The mineral composition of brussels sprouts. J. Sci. Food Agr. 17(7):304-308. July 1966. 382 So12
- 189990 HUFF, E. R. Measuring time-dependent mechanical properties of potato tubers: equipment, procedures, and results. Amer. Soc. Agr. Eng. Pap. 334,30 p. Ref. 1966. 290.9 Am32P
- 189991 MIZELLE, J. W. Studies of flavanone glycosides from the grapefruit. Diss. Abstr., Sect. B. 27(4):1064B. Oct.1966. 75055.749D53
- 189992 MOHSEENIN, N. N. A review of the physical properties of fruits as related to mechanical harvesting and handling. Hort. Res. 6(1):51-57. Ref. May 1966. 80 H7892
- 189993 PRIMO YUFERA, E., and ROYO IRANZO, J. Detection of adulteration in citrus juices, VI. Mineral composition of the juice of industrial orange varieties. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):471-481. Oct./Dec.1965. 389.8 R324
- 189994 SMART, N. A. An assessment of some methods of analysis for dimethoate residues in fruit and vegetables. Analyst 91(1087):621-624. Oct.1966. 382 An1
- 189995 STOLL, U. Chemische Untersuchungen an reifenden und lagernden Früchten unter besonderer Berücksichtigung der Lagerung in kontrollierter Atmosphäre [Chemical investigations on ripened and stored fruits with special emphasis on controlled atmosphere storing]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 8,83 p. 1965. 105.8 B644
Bibliography, p.76-81.
Analyses.
- 189996 THIEL, H. Contribution to the determination of ortho-phenylphenol. (Ge) Deut. Lebensmittel-Rundsch. 62(10):309-310. Oct.1966. 389.8 D482
In fruit.
- 189997 ULRICH, R. The physiological effects of various gases on fruits and their practical application. (Fr) Aliment. Vie 54(7/9):234-253. Ref. p.251-253. 1966. 389.9 So1B
Includes controlled-atmosphere storage.

Consumption and Utilization

- 189998 CHIZHOV, V. D., and TOLSTOMOG, YA. S. Fruit stones—valuable raw material. (Rus) Masl.-Zhir. Prom. 9:36-37. Sept.1966. 307.8 M37
- 189999 CLAYTON, L. Y. Homemakers' use of and opinions about selected fruits and fruit products. U. S. D. A. Marketing Res. Rep. 765,78 p. Aug.1966. 1 Ag84Mr
Includes statistics.
- 190000 HOW, R. B. Initial consumer response to the NY-3 potato variety. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 438,21 p. Sept.1966. 281.9 C81A

Distribution, Marketing, and Transportation

- 190001 ALEMANY TORRES, F. Spanish agricultural development, the horticultural centers, and market stations. (Sp) Rev. Frio 11(1):17-22. Jan./Mar.1966. 295.8 R324
English summary.
Fruit and vegetable marketing program proposed.
- 190002 BOT, T. J. M. The creation of Wye Fruit Limited. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):465-468. Oct.1966. 10 G79J
Cooperative.
- 190003 BUSCH, W., LINK, D., and OSTENDORF, H. D. Marktstruktur, Preisbildung und Handelsspannen bei Obst und Gemüse einschliesslich Konserven in der Bundesrepublik Deutschland [Market structure, price formation and marketing margins for fruit and vegetables including processed products in the German Federal Republic]. Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.] 165,318 p., map. Ref. p.315-318. 1966. 281.9 F77E
- 190004 CHOU, H. L. Philosophy in selling watermelons in a big city. Peking Rev. 37:24-26. Sept.9,1966. 280.8 P36
- 190005 FLORIDA UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1966-67 acreage-marketing guides; Florida vegetables, Gainesville, 1966. 23 p. 275.29 F66Foi
- 190006 FULLER, E. J. Harvesting and marketing table grapes. Agr. Gaz. New S. Wales 77(8):450-456. Aug.1966. 23 N472
- 190007 JACK, R. L. Marketing West Virginia strawberries in out-of-state markets. W. Va. Agr. Exp. Sta. Circ. 528,27 p.,map. June 1966. 100 W52
- 190008 KRUMMEL, D. The effect of the distance and speed of transportation on the volume of fruit pests and the keeping quality of apples. (Ge) Obstbau [Berlin] 6(4):61-62. Apr.1966. 80 Ob79
- 190009 LOEWEL, E. L. Market situation in the lower Elbe fruit areas at the present time and in the future. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(3):78-90. Mar.1966. 85 J76
- 190010 LUKOWSKI, R. F. Purchasing canned fruits and vegetables for food service establishments. Mass. Univ. Ext. Food Manage. Program Leaf. 14,21 p. Mar.1955. 275.29 M381Foi
- 190011 MARKET research as a basis for sales promotion. Int. Fruit World 3:299-300,303-304,307-308,311-312,315. 1966. 286.83 F9426
Text also in French and German.
Special reference to potatoes and apples in Switzerland.
- 190012 NEW MARKET buildings in New Zealand. Int. Fruit World 3:281-282,285. 1966. 286.83 F9426
Text also in French and German.
Fruit and vegetable wholesale markets.
- 190013 NEW YORK City's new terminal market. Int. Fruit World 3:348,351-352,355,357-358,361-362,365-366,371,373. 1966. 286.83 F9426
Text also in French and German.
Fruit and vegetable market.

- 19014 ORGANIZATION of the fruit and vegetable market in the European Economic Community. Int. Fruit World 3:23-24, 27-28, 31, 33-34, 37-38, 41-42, 45-46, 49-50, 53, 55. 1966. 286.83 F9426
Text also in French and German.
- 19015 PARKER, B. The farmers who hired a berry merchant. Farm Quart. 21(6):82-85, 126-130. Winter 1966/67. 6 F22995
Management of Ocean Spray Cranberries, Inc., a cooperative.
- 19016 SAUER, A. Experiences and results from the 1964/65 storage program. (Ge) Deut. Landwirt. 17(9):445-446. Sept. 1966. 18 D4822
Potato marketing.
- 19017 SPITZNER, V. Problems of cooperation and contract system in horticulture of German Democratic Republic. (Ge) Obstbau [Berlin] 6(4):54-56. Apr. 1966. 80 Ob79
Vegetables.
- 19019 TROUBLE encountered in marketing French fruit crops. Int. Fruit World 3:91-92, 95, 97, 99, 101. 1966. 286.83 F9426
Text also in French and German.
Includes effect of the European Common Market.
- 19019 WEBER, A., and WIRTHGEN, B. Marktstruktur, Preisbildung und Handelsspannen bei Kartoffeln in der Bundesrepublik Deutschland [Market structure, price formation, and trade spans for potatoes in the German Federal Republic]. Forschungsges. Agrarpolit. Agrarsoziol. [Einzelnber.] 164, 92 p. 1966. 281.9 F77E
Bibliography, p. 83-92.

Grading, Inspection, Standardization, and Quality

- 19020 ATLAS, M. Citrus standards. Agr. Israel 10 (11/12):66. Aug./Sept. 1965. 22.5 Ag825
- 19021 CATANIA oranges and mandarins. Int. Fruit World 3:251-252, 255. 1966. 286.83 F9426
Text also in German and Italian.
- 19022 CHUBEY, B. B. Oxidative browning of carrots, *Daucus carota*. Diss. Abstr., Sect. B, 27(3): 662B. Sept. 1966. Z5055.U49D53
- 19023 FLORIDA, DEPT. OF AGRICULTURE. DIV. OF FRUIT AND VEGETABLE INSPECTION. 1965-1966 season annual report. Winter Haven, 1966. 75 p. 280.3939 F663
- 19024 HAUPT, H. G. Is the manufacture of mixed fruit jellies permitted by law? (Ge) Deut. Lebensmittel-Rundsch. 62(7):206-207. July 1966. 389.8 D482
- 19025 HUNNIUS, W. Regular exchange of potato planting material is more important than ever. (Ge) Kartoffelbau 17(7):194. July 1966. 75.8 K145
Certified stock.
- 19026 KORNER, W. Minimum requirements for the quality of seed potatoes. (Ge) Kartoffelbau 17 (2):42-45. Feb. 1966. 75.8 K145
- 19027 O'BRIEN, M. Field sizing, sorting and bin filling of fruits and vegetables. Amer. Soc. Agr. Eng. Pap. 149.6 p. 1966. 290.9 Am32P
- 19029 RODRIGUEZ REBOLLO, M. Bases for the sanitary inspection of fruits and vegetables. (Sp) Veterinaria [Madrid] 31(9):509-527. Ref. Sept. 1966. 41.8 V6429
- 19029 ROEMER, K. A method for approximate calculation of fruit volume in apples. (Ge) Zuchter 36(3):120-122. Ref. 1966. 442.8 Z8
- 19030 SHTAMPAKH, S. Unification of the national standards for fruit and vegetables. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:48-51. 1966. 20 M57
Members of the Council for Mutual Economic Assistance.
- 19031 SISTRUNK, W. A. Mechanical injury as related to quality of canned snap beans. Ark. Farm Res. 15(5):11. Sept./Oct. 1966. 100 Ar42F

Packing and Packaging

- 19032 BEN-YEHOSHUA, S. Some effects of plastic skin coating on banana fruit. Trop. Agr. [St. Augustine] 43(3):219-232. July 1966. 26 T754
- 19033 BOTTNER, H. Proper packing of fruit, vegetables and potatoes. (Ge) Deut. Gartenbau 13 (2):40-41. Feb. 1966. 80 G1948
- 19034 MAKIN, G. Packed potatoes are more desirable. (Ge) Kartoffelbau 17(5):154-155. May 1966. 75.8 K145
- 19035 MALMONTE, M. Contemporary packing of potatoes in Europe. (Ge) Kartoffelbau 17(5):151-153. May 1966. 75.8 K145
- 19036 ROBBL, W. Contemporary potato packing in Switzerland. (Ge) Kartoffelbau 17(5):148-150. May 1966. 75.8 K145
- 19037 TOLLE, A. Contemporary packing of potatoes in the Federal Republic. (Ge) Kartoffelbau 17(5):144-145. May 1966. 75.8 K145
- 19039 WALZ, R. Experience in modern potato packing. (Ge) Kartoffelbau 17(5):145. May 1966. 75.8 K145
- 19039 ZOLDI, L. Modernizing packing. (Hu) Kereszteszet Szolesz. 15(20):8-9. Oct. 1966. 80 K474
Equipment for fruit.

Prices, Price Control, and Rationing

- 19040 OSTENDORF, H. D. Price movements and price determination for fruits and vegetables. (Ge) Agrarwirtschaft 15(11):378-386. Ref. Nov. 1966. 281.8 Ag826
English summary.

Processing and Storage

- 19041 BALLSCHMIETER, H. Statistics on the development of the South African fruit and vegetable processing industry. (Ge) Indus. Obst- Gemüseverwertung 51(19):604-606. Oct. 6, 1966. 389.8 K832
- 19042 BERTIN-ROULEAU, J. The French canning industry. (Ge) Indus. Obst- Gemüseverwertung 51(19):571-575. Oct. 6, 1966. 389.8 K832
Vegetables; includes trade.
- 19043 BURKHARDT, G. J. Sweet potato storage. Del. Board Agr. Bull. 55(5):17-19. 1965. 2 D37B
- 19044 BUTCHBAKER, A. F., NELSON, D. C., and SHAW, R. Studies on the controlled atmosphere storage of potatoes. Amer. Soc. Agr. Eng. Pap. 416, 18 p. Ref. 1966. 290.9 Am32P
- 19045 CARROLL, E. T. Controlled atmosphere storage of Jonathan apples. Queensland J. Agr. Anim. Sci. 22(4):507-510. Dec. 1965. 23 Q37
- 19046 CLYDESDALE, F. M. Chlorophyllase activity in green vegetables with reference to pigment stability in thermal processing. Diss. Abstr., Sect. B, 27(4):1305. Oct. 1966. Z5055.U49D53
- 19047 CONTROLLED atmosphere for apples. Int. Fruit World 3:189-190, 193-194, 197-198, 201-202, 205. 1966. 286.83 F9426
Text also in French and German.
- 19049 EBSTEIN, M. Higher expenses in the Spanish processing industry. (Ge) Indus. Obst- Gemüseverwertung 51(19):595-596. Oct. 6, 1966. 389.8 K832
Fruit and vegetables.
- 19049 ETCHHELLS, J. L., and others. Pure culture fermentation of green olives. Appl. Microbiol. 14(6):1027-1041. Ref. Nov. 1966. 448.3 Ap5
A. F. Borg, I. D. Kittel, T. A. Bell, and H. P. Fleming, joint authors.
- 19050 FERRAO, A. M. A. B. DA C., and FERRAO, J. E. M. Preservation of apples; comparative analysis of the environment and the refrigeration plant. (Por) Agricultura [Lisboa] 25:42-49. Jan./Mar. 1965. 15.5 Ag85

- 19051 FLORES DURAN, J. Marmelades and jellies. I. Raw materials: fruits, sugars, and acids. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):380-384. Ref. Oct./Dec.1965. 389,8 R324
- 19052 GERRITSEN, L. G. Netherlands fruit and vegetable processing industry in the year 1965. (Ge) Indus. Obst.-Gemüseverwertung 51(19):576-579. Oct.6,1966. 389,8 K832
- 19053 GIANNI, G. The Italian fruit and vegetable processing industry in the year 1965. (Ge) Indus. Obst.-Gemüseverwertung 51(19):580-584. Oct.6,1966. 389,8 K832
- 19054 GRYSS, Z., and KOSTRZEWA, J. Export production of the Polish fruit and vegetable processing industry. (Ge) Indus. Obst.-Gemüseverwertung 51(19):596-599. Oct.6,1966. 389,8 K832
- 19055 GUNKEL, W. W., LORBEER, J. W., and KAUFMAN, J. Heat treatment to reduce incidence of neck rot in stored onions. Amer. Soc. Agr. Eng. Pap. 151,11 p. 1966. 290,9 Am32P
- 19056 HARDIE, I. W. Deriving implicit grower prices for a walnut processing and marketing cooperative. Diss. Abstr., Sect. A, 27(3):564A. Sept.1966. Z5055,U49D5
- 19057 HASSAN, F. M. EL S. The effect of controlled atmospheres on the keeping quality of sweet potatoes. Diss. Abstr., Sect. B, 27(3):650B-651B. Sept.1966. Z5055,U49D53
- 19058 HITCHCOCK, M. J., NOBLE, L., and THORUD, S. Effect of holding on broccoli prepared in volume. Amer. Diet. Ass. J. 49(5):418-421. Nov.1966. 389,8 Am34
- 19059 JAKOBSEN, J. J. Storage of potatoes in house. (Da) Dansk Landbrug 85(10):289-290. Oct. 1966. 280,28 V91
- 19060 JONSSON, E. Some methods for storage of fruit in Sweden. (Sw) Fruktdiolaren 37(7):149-154. Oct.1966. 86 Sv2F
- 19061 LAFUENTE, B. Prospects for fruit preservation by irradiation. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):492-404. Oct./Dec.1965. 389,8 R324
- 19062 LEE, C. Y., SALUNKHE, D. K., and NURY, F. S. Effects of dehydration processes on flavour compounds and histology of apricots (*Prunus armeniaca*). J. Sci. Food Agr. 17(9):393-395. Ref. Sept.1966. 382 S012
- 19063 LESTZINGANT, M. Set up a fruit station. (Fr) Organ. Gestion Entrep. Agr. 36(Etude 362), 8 p. Aug.1966. 281,8 Or33
- 19064 LOCHER, B. The processing industry in Switzerland 1965. (Ge) Indus. Obst.-Gemüseverwertung 51(19):593-594. Oct.6,1966. 389,8 K832
- 19065 MEFFERT, H. F. TH. Course in the preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.10. Concentration of liquid fruit products. (Du) Conserva 5:134-139. Nov.1966. 389,8 C7632
- 19066 NASSAR, A. R. Biochemical studies particularly involving organic and amino acids in Thompson Seedless and Emperor grapes during controlled atmosphere storage. Diss. Abstr., Sect. B, 27(3):725B. Sept.1966. Z5055,U49D53
- 19067 O'BRIEN, M., and GENTRY, J. P. Effect of cooling methods on cooling rates and accompanying desiccation of fruits. Amer. Soc. Agr. Eng. Pap. 301,13 p. 1966. 290,9 Am32P
- 19068 PAYUMO, E. M., PILAC, L. M., and MANIQUIS, P. L. The preparation and storage properties of canned guayabano (*Annona muricata* L.) concentrate. Philippine J. Sci. 94(2):161-169. Ref. June 1965. 475 P53
- 19069 PORZSOLT, L. The fruit and vegetable processing industry in Norway. (Ge) Indus. Obst.-Gemüseverwertung 51(19):585-589. Oct.6, 1966. 389,8 K832
- 19070 ROLLAND, J. R., SHALLENBERGER, R. S., and MOYER, J. C. Drum drying of pea puree. Amer. Soc. Agr. Eng. Pap. 318,9 p. 1966. 290,9 Am32P
- 19071 ROSS, I. J., and RICHARDSON, J. B. A vertical screw bin unloader for citrus pulp. Amer. Soc. Agr. Eng. Pap. 356,18 p. 1966. 290,9 Am32P
- 19072 ROYO IRANZO, J. Recent progress in citrus juice technology. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(4):389-395. Ref. Oct./Dec.1965. 389,8 R324
- 19073 SANCHEZ MORALES, A., MUNOZ-DELGADO ORTIZ, L., and MUNOZ-DELGADO ORTIZ, J. A. Immersion of oranges in hot water as a process for improving their marketing. (Sp) Rev. Frio 11(1):7-12. Jan./Mar.1966. 295,8 R324
- 19074 English summary. Control of fungus diseases in storage. SMOCK, R. M. Recent advances in controlled atmosphere storage of fruits. HortScience 1(1):13-15. Winter 1966. S81.H6
- 19075 SOULE, J., YOST, G. E., and BENNETT, A. H. Certain heat characteristics of oranges, grapefruit and tangelos during forced-air precooling. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):355-358. 1966. 290,9 Am32T
- 19076 SPURLING, M. B. Fruit size, the key to profitable stone fruit production. S. Australia J. Agr. 70(1):29-34. Aug.1966. 23 S084
- 19077 For processing. STOUT, B. A., and others. A prototype hydro-handling system for sorting and sizing apples before storage. U. S. Agr. Res. Serv. ARS-52-(n.s.)14,12 p. Aug.1966. A289,9 R31
- 19078 D. H. Dewey, E. G. Vis, and J. F. Herrick, joint authors. Michigan Agricultural Experiment Station, co-operating.
- 19079 SUUTARINEN, A. Recent development of the plant, fruit, and berry processing industry in Finland. (Ge) Indus. Obst.-Gemüseverwertung 51(19):589-591. Oct.6,1966. 389,8 K832
- 19079 Includes vegetables. 25 KG of wood of major economic importance—a discussion of the palletizing situation. Int. Fruit World 3:118,121-122,125-126,129,131-132,135-136,139. 1966. 286,83 F9426
- 19079 Text also in French and German. Fruit and vegetable handling.
- 19080 UPCHURCH, W. Instant fruit. Res. Farming [N. C. Sta.] 24(4):8-9. Spring 1966. 100 N81R
- 19081 VEDEL, J. W. Storage of carrots. (Du) Groenten Fruit 22(14):569. Oct.12,1966. 80 G89
- 19082 WHITELEY, K. T. How to pickle your own olives. West. Australia. Dep. Agr. J. (ser.4)7 (6):271-272. June 1966. 23 W52J

Statistics

- 19083 EUROPEAN average production of apples from 1960 to 1964. (Ge) Obstundschau 25(12),4 p. Dec.31,1965. 80 Ob74
- 19084 Text also in French. KNOOP, J. G. Aerial crop count; or U-2 can make a crop report. Farm Quart. 21(6):78-82,114-115. Winter 1966/67. 6 F22995
- 19085 Grapes in California. MASSANTE, S. Current problems of fruit crop statistics. (Ge) Agrarwirtschaft 15(11):386-390. Nov.1966. 281,8 Ag826
- 19085 English summary. QUEBEC, BUR. OF STATISTICS. Acreage of vegetables 1966. Quebec, 1966. 2 p. 253,8 St2S
- 19086 Text also in French. RIKSFORBUNDET SVENSK TRADGARD, The 1966 fruit harvest. (Sw) Fruktdiolaren 37(7):147-148. Oct.1966. 86 Sv2F
- 19089 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet; late summer potatoes. Wash. State Univ. Ext. E. M. 2312,rev., 2 p. Aug.1966. 275,29 W27M1

GRAIN AND GRAIN PRODUCTS

- 19089 AGNESS, J. B., and ISAACS, G. W. Grain dryer control based on exhaust temperature sensing. *Amer. Soc. Agr. Eng. Pap.* 313, 8 p. 1966. 290.9 Am32P
- 19090 ANGLADETTE, A. Le riz [Rice]. *Tech. Agr. Prod. Trop.* 5/7, 930 p. 1966. 26 T22 Bibliography, p. 889-890.
Includes taxonomy, morphology, physiology, genetics, ecology, culture, irrigation, drainage, pathology, pests, processing, products, trade, and marketing.
- 19091 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference of the Working Society for Grain Research in cooperation with the Federal Research Institute for Grain Processing in Berlin and Detmold [Bundesforschungsanstalt für Getreideverarbeitung in Berlin und Detmold], October 5-7, 1966, in Detmold. (Ge) *Deut. Muller-Zeitung* 64(21):521-522. Oct. 20, 1966. 298.8 Su2
Abstracts of papers.
- 19092 BERTHET, J. The activator-bin, new solution to the problem of storage of powdery materials. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 213:145-147. May/June 1966. 298.9 P21
Flour and feed.
- 19093 BICKNELL, G. Are freight rates moving ahead or taking a backward step? *Yield* 1(10):4-5, 14. Jan. 1966. HD1491.A1Y5
For grain transportation.
- 19094 BICKNELL, G. Export elevator possible in 1967. *Yield* 1(11):4-5. Feb. 1966. HD1491.A1Y5
- 19095 BICKNELL, G. Export practices indicate definite need for port elevator. *Yield* 1(9):4, 7. Dec. 1965. HD1491.A1Y5
Grain.
- 19096 BICKNELL, G. Market trends. *Yield* 1(6):5. Sept. 1965. HD1491.A1Y5
In wheat prices.
- 19097 BICKNELL, G. Market trends—grain exports are important—but farmers can still control grain markets. *Yield* 2(1):4-5. Apr. 1966. HD1491.A1Y5
- 19098 BICKNELL, G. Trucks—barges—hopper cars. *Yield* 2(2):4-5, 14. May 1966. HD1491.A1Y5
Of grain.
- 19099 BILANSKI, W. K. Damage resistance of seed grains. *Amer. Soc. Agr. Eng. Trans. ASAE* 9 (3):360-363. 1966. 290.9 Am32T
- 19100 BINDER, MRS. A. K. Relationships in world prices of coarse grains and some implications for an international grains agreement. *Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist.* 15(9):1-15. Sept. 1966. 251 F73Mb
- 19101 BOLLING, H., and ZWINGELBERG, H. On the relation of grain properties to milling results. VI. Experimental studies. (Ge) *Getreide Mehl* 16(9):93-96. Ref. Sept. 1966. 298.8 G332
- 19102 CALAN, L. DE. Price of soft wheat of the 1966-1967 season. (Fr) *Agr. Prat.* 130 (8, i.e. 9):43-44. Sept. 1966. 14 J62
- 19103 CLEVE, H. Comparative investigations on milling procedures with the aid of modern testing equipment and laboratory mills. (Ge) *Deut. Muller-Zeitung* 64(21):526-528, 530-531. Oct. 20, 1966. 298.8 Su2
- 19104 DAUPHIN, J. Development of grain products consumption; fight against its lessening. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 213:149-156. May/June 1966. 298.9 P21
- 19105 DEPADUA, D., and HALL, C. W. High moisture storage of rough rice by control of environmental gases. *Amer. Soc. Agr. Eng. Pap.* 414, 16 p. Ref. 1966. 290.9 Am32P
- 19106 DIDIER, R. Corn in France and in the E.E.C. (Fr) *Inform. Doc. Agr.* 19(20):8-11, 13-19. Oct. 15, 1965. 14 In32
Situation and outlook.
- 19107 DREWS, E. The influence of the pentosan factor on the amylogram of rye and rye milled products. (Ge) *Getreide Mehl* 16(8):83-86. Aug. 1966. 298.8 G332
- 19108 ETCHEBARNE, J. Corn, a product to encourage. (Fr) *Inform. Doc. Agr.* 19(20):5-7. Oct. 15, 1965. 14 In32
Policy in the E.E.C.
- 19109 EVERAERT, G. Wheat in the world. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 213:157-166. May/June 1966. 298.9 P21
Situation.
- 19110 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. National rice policies, 1966. *Food Agr. Organ. UN. FAO Comm. Policy Stud.* 18, 153 p. 1966. 281.9 F733C
- 19111 FOX, G. S. Progress by design—in grain marketing. *Yield* 2(5):8-9, 14. Aug. 1966. HD1491.A1Y5
- 19112 HAMPL, J. Research on possibilities of accelerating pentosan determination. (Ge) *Getreide Mehl* 16(8):90-92. Aug. 1966. 298.8 G332
Grain.
- 19113 HANSEN, R. C., and HENDERSON, S. M. Agricultural grain comminution; sizing critique and nutritive analysis. *Amer. Soc. Agr. Eng. Pap.* 353, 35 p. Ref. 1966. 290.9 Am32P
- 19114 HAUGH, C. G., and ISAACS, G. W. Isothermal diffusion of oxygen in grain masses. *Amer. Soc. Agr. Eng. Pap.* 413, 13 p. Ref. 1966. 290.9 Am32P
- 19115 HORVATH, M. A. B. The practice of chilled moist grain storage in Britain. *Amer. Soc. Agr. Eng. Pap.* 448, 11 p. 1966. 290.9 Am32P
- 19116 KENT, N. L., and EVERS, A. D. Endosperm reduction in hard red spring wheat. Northwest. *Miller* 273(12):12, 14, 16, 18, 20-22. Dec. 1966. 298.8 N61
Research financed in part by the U. S. Department of Agriculture under Public Law 480.
- 19117 KLING, G. Experiences of sugar factories in drying of grain with drum driers. (Ge) *Deut. Agrartechn.* 16(10):469-471. Oct. 1966. 58.8 D482
- 19118 KOCK, W. Die Getreideversorgung Indiens aus Eigenerzeugung und auslandshilfen in Gegenwart und Zukunft [The grain supply of India from domestic production and foreign aid in the present and future]. *Z. Ausländische Landwirtschaft. Materialsamm.* 4, 240 p., map. 1966. 281.8 Z33
Bibliography, p. 223-230.
- 19119 KRETOWICH, V. L., and others. Physiological and biochemical principles of reduction of losses during grain storage. (Rus) *Akad. Nauk SSSR. Izv. Ser. Biol.* 4:483-495. Ref. July/Aug. 1966. 511 Sa2B
A. B. Vakar, L. A. Trisvyatskii, and N. I. Sossiedov, joint authors.
English summary.
- 19120 LARSSON, R. Preliminary investigations on changes in falling numbers of spring wheat not dried immediately after harvesting. (Sw) *Uppsala. Lantbrukshögsk. Aktuell Lantbrukshögsk.* 86:11-17. 1966. 11 Up62A
For flour testing.
- 19121 LE DU, J. Baking value, technological quality of wheat; are they preserved after two years of storage? (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 213:127-132. May/June 1966. 298.9 P21
- 19122 LINKO, P. Observations on heat damage to grain. (Ge) *Getreide Mehl* 16(8):86-90. Ref. Aug. 1966. 298.8 G332
- 19123 LYNN, L. New process chemically mills rice. *Chem. Eng.*, Dec. 5, 1966:110-112. 381 EL2
- 19124 MAMEKOV, G., and YAROVOI, P. Planning the most profitable transportation of grain. (Rus) *Zakupki Sel'skokhoz. Prod.* 10:14-16. Oct. 1966. 280.38 Z14
- 19125 MANUEL, M. L. A case for mergers. *Yield* 1(10):6-7. Jan. 1966. HD1491.A1Y5
Of grain cooperatives.
- 19126 MASLOWSKI, P., and SKORKO, R. The adaptation of the burette method for determination of cereal protein. (Pol) *Rocz. Nauk Roln.* 91-A-3:665-672. 1966. 20.5 R59
English summary.
Chiefly wheat and rye.

- 19127 MATWEEF, M. Influence of hard wheat gluten on the value of food pastes. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 213:133-139. May/June 1966. 298.9 P21
- 19129 MAZZARACCHIO, V., RAVAIOLI, L., and GIOVENALI, E. Determination of animal proteins added to the "adulterated" pasta by serum precipitation. (It) Ist. Super. Sanit. Ann. 1(1/6):358-362. 1965. R65.18
English summary.
- 19129 McDONALD, H. J. How wheat prices are shaping up in world, domestic marketplace. Grain Age 7(11):5-14. Nov. 1966. 281.8 G76
- 19130 McDONALD, H. J. Wheat standards for all classes of wheat. Kans. State Univ. Agr. Ext. L-164, rev. 4, p. Oct. 1966. 275.29 K13Le
- 19131 MCVEY, D. M. Regional grain marketing co-operatives. Yield 1(7):3. Oct. 1965. HD1491.A1Y5
- 19132 MUNTONI, F., TISCORNIA, E., and DE GIULI, G. Gas chromatography in the chemistry of the grain. II. Changes in flour lipids during the baking process and storage of bread. (It) Ist. Super. Sanit. Ann. 1(1/6):342-348. 1965. R65.18
English summary.
- 19133 NARZISS, L., and KIENINGER, H. Relation between speed of water uptake and malt solution. (Ge) Brauwissenschaft 19(9):343-352. Sept. 1966. 390.8 B733
- 19134 NARZISS, L. Steeping as the foundation of modern malting technology. Master Brewers Ass. Amer. Tech. Quart. 3(4):237-243. Ref. Oct./Dec. 1966. 390.9 M39T
- 19135 NOSTICZIUS, A. A new method to determine the sulfhydryl contents of flour extracts. II (Hu) Agrochem. Talajtan 15(1):109-116. Ref. Jan. 1966. 385 Ag83
- 19136 OLERED, R., and AUGUSTIN, S. Report on the quality inventory of the Swedish cereal crop in 1965. (Sw) Sveriges Utsadesforen. Tidskr. 76(4):262-290. 1966. 61.9 Sv23
English summary.
Baking quality of wheat and rye.
- 19137 PANDEY, H. K. Marketing of maize in Tamkholi Road market, district Deoria. Agr. Situation India 21(2/3):93-95. May/June 1966. 281.9 In23
- 19139 PARISH, J. A., and STONE, R. F. Premium wheat in Western Australia. West. Australia. Dep. Agr. J. (ser. 4)(6/10):575-578. Oct. 1965. 23 W52J
- 19139 PARISH, J. A. Wheat quality surveys in Western Australia. 1-2. West. Australia. Dep. Agr. J. (ser. 4)(6/10):583-588, 591-593, 595-597, 600-602, map. Oct. 1965. 23 W52J
1. The distribution of areas producing high and low protein wheat; 2. Variation between seasons and localities in the production of high and low protein wheat.
- 19140 PARODI, R. A. Sorghums in the Argentine Republic. (Sp) Bolsa Com. Rosario. Rev. 54 (1314):5-13. Oct. 31, 1966. 287 R71
- 19141 PERISIC, M. Some results and experiences in the production of wheat under cooperation between private farms and agricultural cooperatives in 1960-1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 496:28-39. Nov. 28, 1966. (JPRS 38,816; TT 66-35240) 173 J6633Ste
Production statistics and costs in Yugoslavia. Translation from Ekonomika Poljoprivrede 9:693-704. Sept. 1966.
Issued by CFTSI.
- 19142 POPOV, A., and MITOV, L. Importance of hard wheat for the national economy and possibilities of increasing its production in Bulgaria. (Bu) Selskостопанска Nauk. 5(2):3-7. 1966. 21 Se492
- 19143 PORCIA, G. DI, and ASARTA, S. DE. The corn situation in Italy: production, present situation, future prospects. (Fr) Inform. Doc. Agr. 19 (20):20-26. Oct. 15, 1965. 14 In32
- 19144 PRIMO, E., BARBER, S., and TORTOSA, E. Chemical composition of rice. II. Free fatty acids, neutral fats, and phospholipids: distribution in the grain and composition in fatty acids. (Sp) Rev. Agroquím. Tecnol. Aliment 5(4):458-466. Ref. Oct./Dec. 1965. 359.8 R324
- 19145 RASMUSSEN, C. L. An evaluation of freezing: advantages, techniques and cost factors. II. Bakers Weekly 212(9):23-26. Dec. 5, 1966. 369.8 B172
- 19145 RASMUSSEN, C. L., UPADHYAYA, B. R., and GLASS, R. L. Malting quality in F₁ hybrids of barley. Crop Sci. 6(4):339-340. July/Aug. 1966. 64.8 C883
- 19147 ROWDEN, R. High-ratio cake flours. Arkady Rev. 43(3):34-37. Sept. 1966. 389.8 Ar4
- 19148 RUWE, D. M., MURPHY, G., and BOCKHOP, C. W. Gamma-ray attenuation coefficients of grains and forages. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):312-313. 1966. 290.9 Am32T
Mold and insect control.
- 19149 SCHMIDBAUER, P. L. Information and communications requirements of the wheat market: an example of a competitive system. Diss. Abstr., Sect. A, 27(3):560A. Sept. 1966. Z5055.U49D5
- 19150 SHOVE, C. C. Application of dehydrodrigridation to shelled corn conditioning. Amer. Soc. Agr. Eng. Pap. 351, 18 p. 1966. 290.9 Am32P
- 19151 SLATER, J. M. The world wheat economy: implications for the consumption and trade of United States wheat. Diss. Abstr., Sect. A, 27(3):567A-568A. Sept. 1966. Z5055.U49D5
- 19152 SORENSON, J. W., PERSON, N. K., and McCUNE, W. E. Design methods for controlled environment storage of grain. Amer. Soc. Agr. Eng. Pap. 417, 20 p. 1966. 290.9 Am32P
- 19153 STEPANOV, A. Enlarging governmental resources of hard winter wheat. (Rus) Zakupki Selskokhoz. Prod. 10:10-13. Oct. 1966. 280.38 Z14
Chiefly industry and purchasing.
- 19154 STRECKER, O., STINSHOFF, H. W., and SCHULER, W. Trends in grain policy development in the E.E.C. (Ge) Agrarwirtschaft 15 (10):333-350, map. Oct. 1966. 281.8 Ag826
- 19155 SZANDTNER, I. Development of network of grain purchasing and processing networks in the comitats. (Hu) Malomipar Termenyforgalom 18(5):184-187. Sept./Oct. 1966. 298.8 M292
- 19156 TRACEY, M. V. Solubility-composition relations of gluten proteins. Nature [London] 211 (5051):850-851. Aug. 20, 1966. 472 N21
- 19157 TUTTE, J. F., and others. Growth and effects of molds in the storage of high moisture corn. Amer. Soc. Agr. Eng. Pap. 415, 12 p. 1966. 290.9 Am32P
C. G. Haugh, G. W. Isaacs, and C. C. Huxsoll, joint authors.
- 19159 TURNER, M. S. So you think your cooperative should merge? Yield 1(11):8-9, 12. Feb. 1966. HD1491.A1Y5
Grain elevators.
- 19159 UDANI, K. H. Rates of moisture adsorption of wheat flour as affected by physical and chemical characteristics. Diss. Abstr., Sect. B, 27(3):852B. Sept. 1966. Z5055.U49D53
- 19160 VARGA, K. Status of material handling in the grain processing industry. (Hu) Malomipar Termenyforgalom 18(5):200-205. Sept./Oct. 1966. 298.8 M292
- 19161 WEGENER, H. Possibilities of transportation of grain, malt, and beverages in tank containers. (Ge) Brauwelt 106(88):1627-1632. Nov. 4, 1966. 390.8 B732
English summary.
- 19162 WHEATLEY, C. H. Bright outlook for grain. Queensland Agr. J. 92(8):451. Aug. 1966. 23 Q33
- 19163 WILLAHAN, L. T., and RUDBECK, J. P. World's production of wheat is higher. Grain Age 7(12):6-15-16. Dec. 1966. 281.8 G76
- 19164 WILLIS, H. C. A. Creasewise grain splitting and a subsequent new flour milling system. 2. Milling 147(13):257-259. Sept. 30, 1966. 298.8 M622
- 19165 WOLF, E. F. Recognition of sprouting damage and its possible elimination in grain and flour. (Ge) Deut. Muller-Zeitung 64(21):523-524. Oct. 20, 1966. 298.8 Su2

- 19165 ZACHARIAH, G. L., and ISAACS, G. W. Simulating a moisture-control system for a continuous-flow drier. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(3):297-302. 1966. 290.9 Am32T For grain.
- 19167 ZUREK, E. Marktstruktur und Preisbildung bei Getreide und Getreideerzeugnissen in der Bundesrepublik Deutschland [Market structure and price formation of grains and grain products in the German Federal Republic]. *Forschungsges. Agrarpolit. Agrarsoziol.* [Einzeltel.] 163,57 p. 1966. 281.9 F77E Bibliography, p.1-55.

HONEY AND BEESWAX

- 19163 HADORN, H., and ZURCHER, K. An improved polarimetric method for determining saccharose in honey. (Ge) *Deut. Lebensmittel-Rundsch.* 62(7):195-201. Ref. July 1966. 389.8 D482
- 19169 HAEGER, P. M. Honey by the numbers. *Amer. Bee J.* 106(7):262. July 1966. 424.8 Am3 Promotion.
- 19170 MATTUTAT, F. H. The bulk honey dealer. *Amer. Bee J.* 106(7):249. July 1966. 424.8 Am3
- 19171 POOLE, D. D. Honey—paint promotion. *Amer. Bee J.* 106(7):257. July 1966. 424.8 Am3 Beekeepers use blister-proof paint on beehives and painter gives away honey once a year as advertising method.
- 19172 SCHEPARTZ, A. I., and SUBERS, M. H. Observations on honey diastase. *J. Apicult. Res.* 5(1):45-48. Ref. 1966. 424.8 J82
- 19173 STEINKRAUS, K. H., and MORSE, R. A. Factor influencing the fermentation of honey in mead production. *J. Apicult. Res.* 5(1):17-26. Ref. 1966. 424.8 J82
- 19174 SUBERS, M. H., and SCHEPARTZ, A. I. Separation and identification of some organic phosphates in honey by column and paper chromatography. *J. Apicult. Res.* 5(1):49-57. Ref. 1966. 424.8 J82

LIVESTOCK AND LIVESTOCK PRODUCTS

- 19175 AMERICAN MEAT INSTITUTE. AMI 61st annual meeting. *Nat. Provisioner* 155(15):56-67, 69-70, 79-94, 99-130, 133-134, 137, 139-140, 142, 144-146, 148, 151-164, 166, 179-180, 182-204. Oct. 8, 1966. 286.85 N21 Papers delivered, September 18-21, 1966, in Chicago, Illinois.
- 19176 AUSTRALIAN MEAT BOARD. Thirty-first annual report, year ended June 30, 1966. Sydney, 1966. 138 p., map. 286.3509 Au7
- 19177 BENNETT, R. K. How many hogs will have to be produced in Canada in 10 years? in 15 years? *Hog Prod.* 2(9):15,16. Nov. 1966. 46.8 H675
- 19179 BOLIBEKYAN, L. Sheep industry in the light of the new Five-Year Plan. (Arm) *Nar. Khoz. Armenii* 10:37-42. Oct. 1966. 280.8 N166
- 19179 DESSEIN, J. Meat and its industry in 1966. (Fr) *Indus. Aliment. Agr.* 83(9/10):1233-1236. Sept./Oct. 1966. 383 As7 English summary.
- 19190 DLJK, F. G. VAN. Developments in the livestock and meat world and the E.E.C. (Du) *Conserva* 5:125-127. Nov. 1966. 389.8 C7632 French summary.
- 19181 HOG PRODUCTION. *Nat. Provisioner* 155(15):196-204. Oct. 8, 1966. 286.85 N21 Panel discussion; moderator: D. Muhm; panel members: D. Wolf, A. Oppedal, C. R. Mitchell, and A. McGhee. Hog and pork industry.
- 19182 HORTON, J. E. Farm products shortages may affect cattle herds; Angus breeders should take the initiative through 1975. *Fla. Cattleman Livestock J.* 31(2):50-52, 54, 56. Nov. 1966. 43.8 F66

- 19183 INTERNAL control in data processing. *Nat. Provisioner* 155(15):122-127, 155-156, 158-164, 166. Oct. 8, 1966. 286.85 N21 Panel discussion; moderator: F. D. Holford; panel members: J. Myers, P. E. Konkel, C. R. Crawford, and J. B. Kilgore.
- 19184 IVANOV, K. I. Problem of geography of meat production on an industrial basis. (Rus) *Moscow Univ. Vestnik Ser. 5, Geogr.* 2:20-32. Ref. Mar./Apr. 1966. 331.9 M65
- 19185 IVES, J. R. Reduction in cattle, calf numbers is predicted; questions on hogs persist. *Nat. Provisioner* 155(15):108-112. Oct. 8, 1966. 286.85 N21 Outlook.
- 19186 KIELICHOWSKI, J. Prospects for the expansion of the production of slaughter beef. U. S. Joint Publ. Res. Serv. Transl. East Europe. *Agr. Forest. Food Indus.* 497:33-37. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste Poland. Translation from *Przegląd Hodowlany* 18:3-4. Sept. 16/30, 1966. Issued by CFSTI.
- 19187 KOTTMAN, R. M. Great future for the Oklahoma beef industry. *Cattleman* 53(7):40-42, map. Dec. 1966. 49 C29
- 19189 MCQUEEN, H. The Oklahoma cattle industry yesterday today tomorrow. *Cattleman* 53(7):36-40, map. Dec. 1966. 49 C29
- 19189 NAVARRO GOMEZ, P. Spanish needs for products of animal origin. (Sp) *Veterinaria [Madrid]* 31(1):17-24. Jan. 1966. 41.8 V6429 The livestock and livestock products situation.
- 19190 NYBONDAS, B. The decimation of the horse population; a development for good or ill. (Sw) *Tidskr. Lantman Andelsfolk* 21:484-485. Nov. 15, 1965. 20 T43
- 19191 PELLEGRINO, J. M. Meat: yesterday, today, and always. (Sp) *Soc. Rural Argent. An.* 100(7):59-60, 63-65. July 1966. 9 S01
- 19192 RIZEK, R. L. Outlook for livestock and meat. *Cattleman* 53(7):32, 68-69. Dec. 1966. 49 C29
- 19193 RIZEK, R. L. Outlook '67; "favorable" forecast for next year. *Livestock Breeder J.* 9(12):10, 13. Dec. 1966. 49 L758
- 19194 VERTICAL integration in the cattle feeding industry—a panel. *Cattleman* 53(9):58, 78, 80, 82, 84, 86, 88. Nov. 1966. 49 C29 Moderator: Rutter; Panel members: G. Luckey, J. Guthrie, J. S. Cargile, M. Cor-dray, and T. Bratcher.
- 19195 WARD, J. Index of scientific and economic studies of particular significance to the pig industry of the United Kingdom. 5. *Aberdeen Sch. Agr. Misc. Publ.* 5, 76 p. Sept. 1966. 241 Ab3 A bibliography.
- 19196 WILLIAMS, W. F., and DIETRICH, R. A. Major States' lead in cattle feeding is no accident. *Agr. Situation [Washington]* 50(8):11. Aug. 1966. 1 E7A9 Beef production.
- 19197 ZALENSKI, YA. Feed resources and production of the livestock products in the new Five-Year Plan. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 5:79-84. 1966. 20 M57 Poland.

Analysis and Composition

- 19199 CADER-STRZELECKA, B., and STRZELECKI, E. Quantitative discerning bacteriological examination of some groups of sausages. *Pulawy. Inst. Weter. Bull.* 9(4):152-156. Ref. Oct./Dec. 1965. 41.9 P962
- 19199 CASSEL, J. M. Collagen aggregation phenomena. *Biopolymers* 4(9):989-997. Ref. 1966. 381 B524
- 19200 DAVIDOVITS, J. The quaternary and fibrillar structure of native collagen. *J. Theor. Biol.* 12(1):1-11. Ref. Sept. 1966. 442.8 J6223

- 19201 DIKUN, P. P. Data of the spectral study of cancerogenic hydrocarbons in sausage and smoked fish products. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitan. (Probl. Nutr.) USSR 24(1):15-20. May 4, 1965. (JPNS 28,912; TT 65-30901) 173 J663Tavo
Translation from Voprosy Pitaniya 24(1):31-35. Jan./Feb. 1965.
Issued by CFSTI.
- 19202 GERNGROSS, O., and HORASAN, E. On the influence of increased chromium oxide content of raw hide and chrome leathers on the initial dilatation and resulting contraction in shrinkage determination apparatus during slow heating of water. (Ge) Ankara. Univ. Fac. Sci. Commun. (ser.B)12,19 p. Ref. 1965, 330.9 An4
- 19203 GIOLITTI, G. Research on the lipides in dry sausages. (Fr) Rev. Conserv. 21(6):222,224, 229,232-233,236-237,240-241,244,247,250-251, 253-254. Sept./Oct. 1966. 389.8 R326
- 19204 GOLEBIOWSKI, S., WIERZCHOLOWSKA, S., and LECH, J. Pathogenic bacteria in brine baths. (Pol) Med. Weter. 22(9):555-558. Ref. Sept. 1966. 41.8 M463
English summary.
- 19205 JOBLIN, A. D. H., and CARTER, W. A. The estimation of carcass composition in bacon-weight pigs. IV. The estimation of percentage bone. New Zeal. J. Agr. Res. 9(3):820-828. Aug. 1966. 23 N4892
- 19206 JONES, R. J., and RANDS, M. B. The determination of 2,4,6 trichlorobenol in pickled pelts. Soc. Leather Trades' Chem. J. 50(11): 412-414. Nov. 1966. 303.9 So12
Fungicide and bactericide.
- 19207 JUDGE, M. D., BRISKEY, E. J., and MEYER, R. K. Endocrine related post-mortem changes in porcine muscle. Nature [London] 212(5059): 287-288. Oct. 15, 1966. 472 N21
- 19208 KEMP, J. D., and BARTON, R. A. Composition of lamb carcasses and cuts of the New Zealand export grades. New Zeal. J. Agr. Res. 9(3): 590-627. Ref. Aug. 1966. 23 N4892
- 19209 MACY, R. L. Acid-extractable flavor and aroma constituents of beef, lamb and pork. Diss. Abstr., Sect. B, 27(4):1180B-1181B. Oct. 1966. Z5055,U49D53
- 19210 MARSH, B. B., and LEET, N. G. Resistance to shearing of heat-denatured muscle in relation to shortening. Nature [London] 211(5049):635-636. Aug. 6, 1966. 472 N21
Beef.
- 19211 MCCOY, D. W. Growth and enterotoxin production of enterotoxigenic staphylococci in meats. Diss. Abstr., Sect. B, 27(4):1033B. Oct. 1966. Z5055,U49D53
- 19212 MEYER, D. D. Hypoxanthine-uric acid and apparent inosinic acid content and sensory evaluation of selected beef muscles. Diss. Abstr., Sect. B, 27(2):514B. Aug. 1966. Z5055,U49D53
- 19213 MUNSON, A. W., WHITEMAN, J. V., and WALTERS, L. E. A method for estimating ether extract in the boneless portion of lamb carcasses. J. Anim. Sci. 25(4):967-971. Nov. 1966. 49 J82
- 19214 OJTOZY, MRS. K., and ZUKAL, E. How to evaluate alterations in the composition of meat-products? (Hu) Husipar 15(5):189-192. Sept./Oct. 1966. 50.8 H95
English summary.
- 19215 PEZACKI, W., and FISZER, W. An attempt in evaluating the principal products of the transformation of 1,814C glucose in raw smoked meats. (Pol) Med. Weter. 22(8):488-495. Ref. Aug. 1966. 41.8 M463
- 19216 SEEBECK, R. M. Composition of dressed carcasses of lambs. Australian Soc. Anim. Prod. Proc. 6:291-297. Ref. 1966. 49 Au72
- 19217 SHILLITO, J. F. Nonogram for leather analysis conversions. Soc. Leather Trades' Chem. J. 50(11):409-412. Nov. 1966. 303.9 So12
- 19218 WILLIAMS-WYNN, D. A., and SHUTTLEWORTH, S. G. The causes of perspiration damage to upper leather. Soc. Leather Trades' Chem. J. 50(11):397-408. Ref. Nov. 1966. 303.9 So12
- 19219 ZAWADZKI, Z. Studies on the microflora of cooling premises and on the dynamics of development of psychrophilic bacteria in storage frozen meat. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 17:57-65. Ref. 1964. 41.9 B753
English summary.
Consumption and Utilization
- 19220 CARPENTER, Z. L. What is consumer-preferred lamb? J. Anim. Sci. 25(4):1232-1235. Ref. Nov. 1966. 49 J82
Carcass quality.
- 19221 PARIS, J. Hold on to Mrs. Consumer with more variety in meat cuts, sizes, weights. Nat. Provisioner 155(15):117-120. Oct. 8, 1966. 286.85 N21
- 19222 PIERRET, P. V., and DOUROJEANNI, M. J. Hunting and human nutrition on the banks of the Pachitea River, Peru. (Sp) Turrialba 16 (3):271-277. July/Sept. 1966. 8 T86
English summary.
- 19223 RUST, R. E. What consumers think about pork. Nat. Provisioner 155(2):24-26,35-36. Nov. 26, 1966. 286.85 N21

Distribution, Marketing, and Transportation

- 19224 BINDING, C. W. Seasonal fluctuations in slaughter cattle. (Ge) Tierzuechter 18(16):560, 562, 564. Aug. 20, 1966. 49 T445
Marketing.
- 19225 BOCKENHOFF, E. Marktstruktur und Preisbildung bei Schlachtvieh und Fleisch in der Bundesrepublik Deutschland [Market structure and price formation for slaughter livestock and meat in the German Federal Republic]. Forschungsber. Agrarpolit. Agrarsoziol. [Einzelsber. J 166,125 p. map. 1966. 281.9 F77E
Bibliography, p.112-125.
- 19226 BRUNK, M. Free market place, not legislation, provides best consumer protection. Nat. Provisioner 155(15):183-188. Oct. 8, 1966. 286.85 N21
Meat industry and consumer interests.
- 19227 GIRALT Y BARROSO, E. Transportation of live animals. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23(262):223-224. Apr. 1966. 41.9 C67
Regulation in Spain.
- 19228 HARTEL, E. Does a cattle cycle help further? (Ge) Tierzuechter 18(15):533-535. Aug. 5, 1966. 49 T445
Marketing and price situation.
- 19229 HARTWIG, O. The development of lard and beef tallow markets in recent years. (Ge) Fette, Seifen, Anstrichmittel 68(9):785-786. Sept. 1966. 384 C422
- 19230 HURST, K. Introduction of wholesale meat market constraint, especially the problem of refusal of the inspection officials' approval. (Ge) Schlacht- Viehhof-Zeitung 65(1):18-21. Jan. 1965. 286.85 D48
- 19231 JONES, B. H. No payment—sure way to lose money feeding. Livestock Feeder 14(3):6-7. Nov. 1966. 49 L759
- 19232 KELLER, G. Wanted: a cure for meat processors' "goofy" pricing, quality philosophies. Nat. Provisioner 155(15):121,179-180,182-183. Oct. 8, 1966. 286.85 N21
- 19233 KEMP, J. D. Buy beef wisely, use it well. Ky. Univ. Ext. Circ. 523-A, 24 p. Mar. 1966. 275.29 K415
Includes grading and cuts.
- 19234 MAIER, Production from cattle husbandry in marketing policy and economic aspects. (Ge) Arbeitsgemeinschaft, Nordbad. Tierzuechterverbände, Mitteilungsbl. 16(3):855-859. May/June 1966. 49.9 Ar1
Beef and dairy products.

- 19235 A MANAGEMENT case study in marketing fresh meat. Nat. Provisioner 155(15):90-94, 99-102. Oct. 8, 1966. 286.85 N21
Panel discussion; moderator: J. C. Momm-ney; panel members: E. E. Norris, R. D. Ar-ney, R. J. Eggert, and R. Braunschweig.
- 19236 MARKETING & associations. Blue Book Fur Farming 1967:143-144, 146, 148-160, 412, 628 H75
Minks.
- 19237 MCNEELY, J. G. Is there a prescription for ailing auctions? Tex. Agr. Progr. 12(4):10-12. Fall 1966. 100 T31Te
Livestock.
- 19239 PANEL—management's responsibility. Nat. Provisioner 155(15):83-87. Oct. 8, 1966. 286.85 N21
R. Mack, moderator; R. Schweigert, J. Need- ham, A. L. Erikson, and R. Edwards, panel members.
Public relations.
- 19239 REUTLINGER, S. Short-run beef supply re- sponse. J. Farm Econ. 48(4, pt. 1):909-919. Nov. 1966. 280.8 J822
- 19240 ROGOZIN, G. Developing direct relation in purchasing the livestock products. (Rus) Zakupki Sel'skokhoz. Prod. 10:22-25. Oct. 1966. 280.38 Z14
- 19241 SIMPSON, F. M. How serious is the fight for feedlots? Livestock Breeder J. 9(12):14, 16. Dec. 1966. 49 L758
Beef cattle and beef marketing and the prob- lems of beef feeding by slaughterers.
- 19242 SOUTHWEST AFRICA. MEAT TRADE CON- TROL BOARD. Annual report for the period 1st January to 31st December 1964. Windhoek, 1965. 26 p. HD9427.W4S6
- 19243 STEPHENS, W. P. Economic efficiency in the shipment of New Mexico feeder cattle. Diss. Abstr., Sect. A, 27(4):856A. Oct. 1966. Z5055.U49D5
- Grading, Inspection, Standardization, and Quality
- 19244 ALBOIU, M., and others. Observations on the canning of pork from the swine used in the production of anthrax cholera products. (Rum) Rum. Inst. Cercet. Vet. Biopre. "Pasteur." Lucrarile 2(1):111-119. 1963, pub. 1965. 41.9 R863
M. Popa, V. Rusu, G. Birnaure, N. Alexandru, and G. Dicu, joint authors.
English summary.
Sanitation of the pork infected with hog chol- era virus.
- 19245 BIDWELL, N. Permits and waybills protect stockowners. Queensland Agr. J. 92(8):457-459. Aug. 1966. 23 Q33
- 19246 BOTES, H. J. W. Biltong-induced, S. enteritidis var. typhimurium food poisoning—a case report. S. Afr. Vet. Med. Ass. J. 37(2):173-174. Ref. June 1966. 41.8 S08
Dried beef as source of Salmonella typhimuri- um.
- 19247 BRUHANN, W. What demands can be set-up to a new meat sanitation law? (Ge) Arch. Le- bensmittelhyg. 17(7):145-149. July 1966. 41.8 L49
- 19249 DOORNENBAL, H., and MARTIN, A. H. The association between commercial cut-out yield and gross chemical composition in market pigs. Anim. Prod. 8(3):445-455. Ref. Oct. 1966. 49 An55
Judging of the carcasses.
- 19249 EVERITT, G. C. Recent trends in carcass evaluation. Australian Soc. Anim. Prod. Proc. 6:268-283. 1966. 49.9 Au72
Review of the literature.
- 19250 HEDLER, T. The new meat regulations. (Sw) Farskotsel 46(2):55-59. Mar. 1966. 45.9 Sv2
Classification of lamb meat.
- 19251 HELLMAN, M. B. Controls in grading of carcasses of Zebu-cross steers in Argentine packing houses. (Sp) Rev. Med. Vet. (Buenos Aires) 47(3):199-202, 204-206, 208-210. May/June 1966. 41.8 B86
- 19252 LASZLO, F. Inspection of meat in the past. I. Teaching of "meat survey." (Hu) Husipar 15(5):234-236. Ref. Sept./Oct. 1966. 50.8 H95
English summary.
- 19253 LUNDQVIST, F. Difficult to understand. (Sw) Farskotsel 46(2):54. Mar. 1966. 45.9 Sv2
Classification of lamb carcasses.
- 19254 MAZZOTTI, L., VALENCIA, J. M., and AL- VAREDO, J. C. Observations made with fil- tered ultraviolet rays on Cysticercus cellulo- sae and other helminths. (Sp) Rev. Inst. Salud Publica 26(2):99-102. Apr./June 1966. 449.9 M572
English summary.
Examination of pork.
- 19255 MERKEL, R. A. Pork carcass evaluation. Mich. State Univ. Swine Day 1964:15-18. 46.9 M582
- 19256 ROBINSON, J., MALONE, J. C., and BUSH, B. Residues of supona in sheep. J. Sci. Food Agr. 17(7):309-312. July 1966. 382 S02
In the slaughtered animal.
- 19257 SCHIMKE, J. Can the concept in foreign meat inspection: "Cows weighing no more than 75 kilograms to be considered as calves for the purpose of this law" still be replaced? (Ge) Schlacht- Viehhof-Zeitung 65(1):13-15. Jan. 1965. 286.85 D48
- 19259 SHEBETA, A. M., and others. Keeping quality of imported frozen mutton with special refer- ence to its bacteriological status. Ceylon Vet. J. 14(1/2):7-11. Ref. Mar./June 1966. 41.8 C33
H. M. El-Swah, I. H. Sherik, and I. A. Aboul- Kheir, joint authors.
- 19259 TAYLOR, K. E. Toxic residues in meat prod- ucts. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:294-300. 1965, pub. 1966. 49.9 Un3R
From economic poisons.
- 19260 THORNTON, L. N. Meat hygiene. Australian Vet. J. 42(9):330-331. Sept. 1965. 41.8 Au72
Discussion.
- 19261 U. S. CONSUMER AND MARKETING SERV. MEAT INSPECTION DIV. Summary of activi- ties, 1965. U. S. Consum. Marketing Serv. C&MS-20, 27 p. Jan. 1966. A230.39 C762
- 19262 ZELLER, H. Hyalin muscle degeneration in cattle—a transportation disease? (Ge) Schlacht- Viehhof-Zeitung 65(1):10-13. Jan. 1965. 286.85 D48
French summary.
- Packing and Packaging
- 19263 PHEIL, C. G., and ORDAL, Z. J. The use of edible films for the packaging of fresh red meat. Ill. Res. 8(4):18-19. Fall 1966. 100 IL64
- 19264 RAMSBOTTOM, J. M. Packaging ideas. II. Packaging luncheon meats. Meat 32(11):38, 40. Nov. 1966. 286.85 M464
- 19265 SAVI, P., and ROSSI, C. Observations and re- search on fresh meat vacuum-packed in plastic wrap. (It) Nuovo Prog. Vet. 21(14):682-684, 686-688, 690, 692, 694, 696. July 31, 1966. 41.8 P942
- Prices, Price Control, and Rationing
- 19266 ARMSTRONG, J. H. Indiana livestock-feed price ratios. Purdue Univ. Ext. Mimeo EC-275, 10 p. Oct. 1963. 100 In2Ag
- 19267 GIMNESSY, L. Assortments in the meat indus- try with special regard to the possible effects of price adjustment. (Hu) Husipar 15(5):201-208. Sept./Oct. 1966. 50.8 H95
English summary.
- 19269 JACKSON, J. H. Do food chains control the price of beef? Cattleman 53(9):52-53, 66, 68, 72. Nov. 1966. 49 C29
- 19269 KERESKES, CY. Effectiveness of the present buying-up price system in cattle fattening. (Hu) Magyar Mezőgazdaság 21(43):17-18. Oct. 26, 1966. 19 M27

Processing and Storage

- 19270 BILLON, J., and PERRON, P. Effect of sterilizing on the sanitary quality of two delicatessen products. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg. Aliment.) 6(34):44-46. Oct. 1966. 50.8 R322
Sausages.
- 19271 BORSENIK, F. D., and HALL, C. W. Transient heat transfer for cooking meat with infrared energy. Amer. Soc. Agr. Eng. Pap. 302, 38 p. Ref. 1966. 290.9 Am32P
- 19272 DEGRAFF, H. Cross-currents of the past year will keep challenging packing industry. Nat. Provisioner 155(15):64-67. Oct. 8, 1966. 286.85 N21
- 19273 HAUGH, C. G., and others. Engineering implications of freeze-drying research on meats. Amer. Soc. Agr. Eng. Pap. 330, 9 p. Ref. 1966. 290.9 Am32P
C. S. Huber, W. J. Stadelman, and R. M. Peart, joint authors.
- 19274 HAYNIE, R. G. Packers must plot determined course and use best management principles. Nat. Provisioner 155(15):60-63. Oct. 8, 1966. 286.85 N21
- 19275 INCZE, K. Further data on the bacteriostatic effect of smoke solution. (Hu) Huspar 15(5):197-200. Sept./Oct. 1966. 50.8 H95
English summary.
In meat curing.
- 19276 KUNTZEL, A., and LOCHEL, H. P. Swelling, non-swelling, and tanning aryl-sulfonic acids. (Ge) Leder 17(10):237-243. Oct. 1966. 303.8 L492
English summary.
- 19277 MOERMAN, P. C. The influence of refrigeration on minced meat. Australian Refrig. Air Cond. Heating 20(10):47. Oct. 1966. 295.8 R255
- 19279 MORENO BARROSO, F. F. Determination of the temperature for cooking meat. I. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23(260):81-96. Feb. 1966. 41.9 C87
- 19279 POULAIN, B. Vertical sheep dressing line at the Versailles abattoirs. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg. Aliment.) 6(34):38-43. Oct. 1966. 50.8 R322
- 19280 THE PRACTICE and improvement of fellmongering. 2. The products of fellmongering. Wool Sci. Rev. 30:27-35. Aug. 1966. 304.8 W887
Sheepskins.
- 19281 RHODES, D. N., and SHEPHERD, H. J. The treatment of meats with ionising radiations. XIII. Pasteurisation of beef and lamb. J. Sci. Food Agr. 17(7):287-297. Ref. July 1966. 382 S012
- 19282 SCHNITTKER, J. A. USDA's goal: a healthy meatpacking industry; address before the National Independent Meat Packers Association, Washington, D. C., May 19, 1966. Washington, U. S. D. A., Office of the Secretary, 1966. 7 p. A281.9 Sch2
- 19283 SOKOLOV, A. A. Fiziko-khimicheskie i biokhimicheskie osnovy tekhnologii myasoproduktov [Physical, chemical and biochemical basis of the technology of meat products]. Moskva, Pishchevaya Promyshlennost', 1965. 490 p. Ref. TS1955.S6
- 19284 SPAHRKAS, H., and SCHMID, H. Remarks on the rationalization of chrome tanning. (Ge) Leder 17(10):249-255. Oct. 1966. 303.8 L492
English summary.
- 19285 TRABITZSCH, H. Concerning the possibilities of employing enzymes in the beamhouse; a review. Soc. Leather Trades' Chem. J. 50(10):382-389. Ref. Oct. 1966. 303.9 S012

Statistics

- 19296 BOCKENHOFF, E. Foreward look at the swine market; evaluation of the swine census of September 1966. (Ge) Agrarwirtschaft 15(10):351-356. Oct. 1966. 281.8 Ag826

- 19297 JONES, B. H. Cattle-on-feed reports expanded. Livestock Feeder 14(4):5. Dec. 1966. 49 L759
Monthly estimates published by the Crop and Livestock Reporting Service.
- 19299 U. S. CONSUMER AND MARKETING SERV. Livestock and meat statistics. U. S. D. A. Statist. Bull. 333(sup.), 160 p. Aug. 1966. 1 Ag84St
U. S. Department of Agriculture Statistical Reporting Service and Economic Research Service, cooperating.
- 19289 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Supplement for 1966 to: Livestock-feed relationships, 1909-1966, by G. Allen and M. Devers. U. S. D. A. Statist. Bull. 337, 26 p., map. Nov. 1966. 1 Ag84St

OILS AND OILSEEDS

- 19290 AMES, G. R., and KING, T. A. The assay and pH profile of lipoxidase. J. Sci. Food Agr. 17(7):301-303. July 1966. 382 S012
Soybean concentrate.
- 19291 ARAI, S., and others. Studies on flavor components in soybean. III. Volatile fatty acids and volatile amines. Agr. Biol. Chem. 30(9):863-868. Ref. Sept. 1966. 385 Ag84
H. Suzuki, M. Fujimaki, and Y. Sakurai, joint authors.
- 19292 BELOBORODOV, V. V., and BUKHTAREVA, E. F. Using acetone in contemporary extraction of the plant oils. (Rus) Masl.-Zhir. Prom. 10:20-23. Ref. Oct. 1966. 307.8 M37
- 19293 BONIFORTI, L., and SALVI, M. L. Study of the oil of *Jessenia polycarpa*. (It) Ist. Super. Sanit. Ann. 1(1/6):363-368. 1965. R65.18
English summary.
Composition.
- 19294 BORGES, B. Sunflower culture in certain countries of Eastern Europe (Russia, Rumania, and Yugoslavia). (Por) Gaz. Agr. Angola 11(9):1383, 1386. Sept. 1966. 24 G252
Industry.
- 19295 CALVARANO, I. Contribution to the instrumental analysis of bitter orange oil. (It) Essenze Derivati Agrumari 36(1):5-25. Ref. Jan./Mar. 1966. 308.9 R26
- 19296 CALVARANO, M. Contribution to the study of the composition of Calabrian geranium oil. (It) Essenze Derivati Agrumari 36(2):100-117. Ref. Apr./June 1966. 308.9 R26
- 19297 CHANG, S. S., and others. Isolation and identification of 2-pentyl-furan as contributing to the reversion flavour of soyabean oil. Chem. Indus. 46:1926-1927. Ref. Nov. 12, 1966. 382 M31C
T. H. Smouse, R. G. Krishnamurthy, B. D. Mookherjee, and R. B. Reddy, joint authors.
- 19298 CONTESTABILE, O. Olive culture in crisis. (It) Riviera Fiori 20(9):14-15. Sept. 1966. 287 R52
- 19299 COOK, W. B., and HOWARD, A. S. The essential oil of *Illicium anisatum* Linn. Can. J. Chem. 44(21):2461-2464. Nov. 1, 1966. 40.0 C16B
Composition.
- 19300 DELPECH, P., and others. Method of continuous heat extraction of lipides with azeotropic mixture of benzene, ethanol, and water. (Fr) Rev. Franc. Corps Gras 13(10):615-620. Oct. 1966. 307.8 R32
M. Guezel, B. Leclercq, and E. Kahane, joint authors.
English summary.
From plant tissues.
- 19301 FEHR, F., AND CO. Annual review for 1965 of oilseeds, oils, oilcakes and other commodities. London, 1966. 83 p. 307 F32
Statistics.
- 19302 GAROGLIO, P. G. Chemical research in relation to technological progress of edible oils. (It) Riv. Ital. Sostanze Grasse 43(9):382-397. Sept. 1966. 307.8 OL3
English summary.
Olive oil.

- 193303 GRYNBERG, H., CEGLOWSKA, K., and SZCZEPANSKA, H. Study of the composition of rapeseed oil glycerides. (Fr) Rev. Franc. Corps Gras 13(10):595-602. Ref. Oct.1966. 307.8 R32
English summary.
- 193304 GUIDA, M. The olive oil industry and its present problems. (It) Riv. Ital. Sostanze Grasse 43(9):398-413. Sept.1966. 307.8 OL3
English summary.
Includes discussion.
- 193305 GULATI, B. C. Essential oil of *Mentha sylvestris* var. *incana*. Perfumery Essent. Oil Rec. 57(11):692-693. Nov.1966. 308.8 P41
- 193306 HOLMAN, R. T., and RAHM, J. J. Analysis and characterization of polyunsaturated fatty acids. Progr. Chem. Fats Other Lipids 9(1):13-90. 1966. 307.8 P942
Bibliography, p.83-90.
- 193307 HOLMAN, R. T. General introduction to polyunsaturated acids. Progr. Chem. Fats Other Lipids 9(1):1-12. Ref. 1966. 307.8 P942
- 193308 KOLPAKOV, I. P., and ZOLOTOTOVA, M. M. Resources of the raw materials for oil industry in northern Caucasus. (Rus) Masl.-Zhír. Prom. 9:1-2. Sept.1966. 307.8 M37
- 193309 KOMODA, M., ONUKI, N., and HARADA, I. Studies on cause of color reversion of edible soybean oil and its prevention. I. Agr. Biol. Chem. 30(9):906-912. Ref. Sept.1966. 385 Ag8B
- 193310 KONCHALOWSKAYA, M. E., LYUBCHAN-SKAYA, Z. I., and SPIRIDONOVA, A. D. Investigating structural and mechanical properties of margarine. (Rus) Masl.-Zhír. Prom. 9:17-20. Sept.1966. 307.8 M37
- 193311 KOPEIKOVSKII, V. M., and KASHEVATSKAYA, L. A. Retaining moisture of the soybean seeds in storage. (Rus) Masl.-Zhír. Prom. 10:23-25. Ref. Oct.1966. 307.8 M37
- 193312 LA FACE, F. The pillars of composition in perfumery; the basic contribution of Italian citrus and floral essences. (It) Essenze Decorative Agrumari 36(2):83-99. Ref. Apr./June 1966. 308.9 R26
- 193313 LANTEAUME, M. T., and others. Influence of frying and heating on the physiological effects of an oil rich in linoleic acid: grapeseed oil. (Fr) Rev. Franc. Corps Gras 13(10):603-614. Ref. Oct.1966. 307.8 R32
P. Ramel, A. M. Le Clerc, and J. Rannaud, joint authors.
English summary.
- 193314 LEHNBERG, W. Profit from your soybean hedging. Grain Feed J. 123(21):9-11. Nov.9, 1966. 298.8 G762
- 193315 LOEW, G. Tung tree, fruit, and oil in Argentina. (It) Riv. Ital. Sostanze Grasse 43(9):414-419. Sept.1966. 307.8 OL3
English summary.
- 193316 METZDORF, H. J. Marktstruktur und Preisbildung bei Nahrungsfetten in der Bundesrepublik Deutschland [Market structure and price formation of edible fats in the German Federal Republic]. Forschungsber. Agrarpolit. Agrarsoziol. Einzelber. 169:112 p. Ref., p.109-112. 1966. 281.9 F77E
- 193317 MILLER, W. L. An economic analysis of oil palm fruit processing in Eastern Nigeria. Diss. Abstr., Sect. A, 27(3):565A. Sept.1966. Z5055.U49D5
- 193319 OKUBO, K., and SHIBASAKI, K. Fractionation of soybean proteins by column chromatography on DEAE-cellulose. Agr. Biol. Chem. 30(9):939-940. Sept.1966. 385 Ag8B
- 193319 PABST, P. The edible fats industry; brief view of the future. (Fr) Indus. Aliment. Agr. 83(9/10):1245-1251. Sept./Oct.1966. 383 As7
English summary.
- 193320 PAUL, A. B., and WESSON, W. T. Short-run supply of services—the case of soybean processing. J. Farm Econ. 48(4,pt.1):935-951. Ref. Nov.1966. 280.8 J822
- 193321 PEYRON, L. Little known essential oils usable in perfume manufacture. (Fr) France Parfums 9(49):237-248. June/July 1966. 308.8 F84
English summary.
- 193322 POMINSKI, J., GALLO, A. S., and SPADARD, J. J. Lab-sized crystallizer separates fat in minutes. Food Eng. 38(10):122-123. Oct.1966. 389.8 P737
- 193323 POPOV, A. D., and MIZEV, I. D. Pro-oxidative activity of free fatty acids on autooxidation of fats (laboratory note). (Fr) Rev. Franc. Corps Gras 13(10):620-624. Ref. Oct.1966. 307.8 R32
English summary.
- 193324 PRIVETT, O. S. Determination of the structure of unsaturated fatty acids via degradative methods. Progr. Chem. Fats Other Lipids 9(1):91-117. Ref., p.115-117. 1966. 307.8 P942
- 193325 RAMOS, V. P. Stability of food fats. I. Autoxidation. (Por) Agricultura [Lisboa] 25:50-52. Jan./Mar.1965. 15.5 Ag85
- 193326 ROBERSON, S., MARION, J. E., and WOODROOF, J. G. Composition of commercial peanut butters. Amer. Diet. Ass. J. 49(5):208-210. Sept.1966. 389.8 B34
- 193327 RYAZANTSEV, P., and RYAZANTSEVA, M. Some peculiarities of purchasing and storing the oilseeds. (Rus) Zakupki Sel'skokhoz. Prod. 10:16-19. Oct.1966. 280.38 Z14
Sunflowers and castorbeans.
- 193329 SERGEEV, A. G., and others. Extracting high quality edible oil from the sunflower seeds. (Rus) Masl.-Zhír. Prom. 9:3-7. Sept. 1966. 307.8 M37
V. P. Rzekhin, B. Ya. Sterlin, and V. T. Zolochevskii, joint authors.
- 193329 SOKOL'SKII, D. V., and others. Effect of the cottonseed oil hydrogenation on isomeric transition of the fatty acid radicals. (Rus) Masl.-Zhír. Prom. 9:12-13. Sept.1966. 307.8 M37
R. A. Mambetkaziya, I. S. Chanisheva, and V. I. Shikhov, joint authors.
- 193330 STAIKOV, V., CHINGOVA, B., and TSACHEV, S. Situation and outlook for essential oil production in Bulgaria. (Bu) Selskostopanska Nauk. 5(3):23-29. 1966. 21 Sc492
- 193331 STEFANOV, T. Advantages of sunflower production in Bulgaria. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:69-72. 1966. 20 M57
- 193332 STRICKLER, H., and KOVATS, E. SZ. Study of essential oils. 5. Two monoterpenoxides from so-called "distilled" lime oil (*Citrus medica* L., var. *acidula* Brandis; *Citrus aurantifolia* Swingle). (Ge) Helv. Chim. Acta 49(7):2055-2067. Ref. 1966. 385 H36
- 193333 TAIRA, H. Studies on amino acid contents of processed soybean. X. The influence of added sugars on the heat destruction of the basic and sulphur containing amino acids in soybean products. Agr. Biol. Chem. 30(9):847-855. Ref. Sept.1966. 385 Ag8B
- 193334 TARASOV, S. G. Calculation and determination of time needed for drying sunflower seeds. (Rus) Masl.-Zhír. Prom. 9:7-11. Ref. Sept. 1966. 307.8 M37
Statistical method used.
- 193335 UKSILA, E., LEHTINEN, I., and ROINE, P. Factors contributing to the crystallization of fatty acids and "acid" soaps of linseed oil. Suomen Kem. B, 39(10):190-192. 1966. 385 Su7
- 193336 UKSILA, E., LEHTINEN, I., and ROINE, P. Fractionation of soybean oil fatty acids as free acids and "acid" sodium soaps by crystallization from methanol and acetone. Suomen Kem. B, 39(10):185-189. 1966. 385 Su7
- 193337 VANDENBORRE, R. J. Demand analysis of the markets for soybean oil and soybean meal. J. Farm Econ. 48(4,pt.1):920-934. Ref. Nov. 1966. 280.8 J822
- 193338 VOROBYEV, N. V. Fatty acid in linseed oil depending on the flax variety. (Rus) Masl.-Zhír. Prom. 9:11. Sept.1966. 307.8 M37
- 193339 WACHS, W., and GERHARDT, K. Determination of BHA and BHT in technical fatty acid monoglycerides and derivatives. (Ge) Deut. Lebensmittel-Rundsch. 62(7):202-205. July 1966. 389.8 D482
- 193340 WEIGEL, K. Oil-containing paints. (Ge) Seifen-Ole-Fette-Wachse 92(20):704-712. (Cont.) Ref. Sept.28,1966. 307.8 Se4

POULTRY AND POULTRY PRODUCTS

- 19341 BAKER, R. C., DARRAH, L. B., and DARF-
LER, J. M. The use of fowl for convenience
items. *Poultry Sci.* 45(5):1017-1025. Ref.
Sept. 1966. 47.8 Am33P
- 19342 BLUESTONE, H. Predicting prices for tur-
keys. U. S. D. A. Econ. Res. Serv. PES-239:
21-24. Nov. 1965. 1.9 Ec752F
- 19343 FROMM, D., WEST, J. R., and JONES, V. A.
Ice consumption during the chilling of eviscer-
ated poultry as influenced by insulation of
chill tanks. *Poultry Sci.* 45(5):1062-1063.
Sept. 1966. 47.8 Am33P
- 19344 GENIGEORGIS, C., and SADLER, W. W. Char-
acterization of strains of *Staphylococcus aure-*
us isolated from livers of commercially
slaughtered poultry. *Poultry Sci.* 45(5):973-
980. Ref. Sept. 1966. 47.8 Am33P
- 19345 GO, J. L. Automation in chicken processing.
Philippine J. Nutr. 19(1/2):148-153. Jan./June
1966. 389.8 N9524
Dressing.
- 19346 GOCHT, H. Marktstruktur und Preisbildung
bei Eiern und Eiprodukten in der Bundesrepub-
lik Deutschland [Market structure and price
formation for eggs and egg products in the
German Federal Republic]. *Forschungsges.
Agrarpolit. Agrarsoziol.* [Einzelber.] 168,
126 p., map. 1966. 281.9 F77E
Bibliography, p. 119-126.
- 19347 GRABOWSKI, T., ZIOLECKI, J., and WCISLO,
H. Poultry meat processing. 8. Rendered fats.
(Pol) Poznan, Cent. Lab. Przemyslu Jajczar-
sko-Drobiarskiego. *Biul. Inform.* 7(3):141-146.
Sept. 1965. 47.9 P87
- 19349 GRABOWSKI, T., and WCISLO, H. Processing
of poultry meat. 4. Effects of temperature on
its chemical and physical properties. (Pol)
Poznan, Cent. Lab. Przemyslu Jajczar-
sko-Drobiarskiego. *Biul. Inform.* 7(4):180-186.
Ref. Dec. 1965. 47.9 P87
- 19349 HAMRE, M. L. The effect of freezing method
on the quality of frozen and freeze-dried cooked
diced chicken meat. *Diss. Abstr.*, Sect. B, 27
(2):513B. Aug. 1966. Z5055,U49D53
- 19350 HULTIN, H. O., WESTORT, C., and SOUTHARD,
J. H. Adsorption of lactate dehydrogenase to
the particulate fraction of homogenized skeletal
muscle. *Nature [London]* 211(5051):853-854.
Aug. 20, 1966. 472 N21
Chicken breast muscle.
- 19351 PENG, C. Y. Some studies on the composition
and structure of phospholipids in chicken mus-
cle. *Diss. Abstr.*, Sect. B, 27(3):851B. Sept.
1966. Z5055,U49D53
- 19352 PLOTKA, A. The effect of some technological
treatments on the whipping properties of egg
white. (Pol) Poznan, Cent. Lab. Przemyslu
Jajczarsko-Drobiarskiego. *Biul. Inform.* 7(2):
77-92. Ref. June 1965. 47.9 P87
English summary.
Effects of storage and spray drying.
- 19353 RUTKOWSKI, A., and others. Content of some
components of fatty livers. (Pol) Poznan,
Cent. Lab. Przemyslu Jajczarsko-Drobiar-
skiego. *Biul. Inform.* 7(4):171-176. Ref. Dec.
1965. 47.9 P87
W. Korzenowski, K. Golowacz, and L. Mzyk,
joint authors.
English summary.
Goose liver.
- 19354 SANDERS, L. V. Federal poultry inspection.
Southern Vet. 3(11):6-10. Nov. 1966.
41.8 So83
- 19355 SLAMENITSKI, I. Development of poultry in-
dustry in the European socialist countries.
(Rus) *Mezhdunar. Sel'skokhoz. Zh.* 5:112-116,
map. 1966. 20 M57
- 19356 TJEN, W. F. VAN. Influence of oiling on the
preservation of egg quality during the first
period after laying. (Du) *Veetelst Zuivelber.*
9(4):187-193. Apr. 1966. 49 V51
- 19357 TREES. Four years of market regulation for
eggs and poultry meat—its ability to stand test-
ing and the importance of change with reference
to harmonization of grain prices. (Ge) *Kraft-
futter* 49(9):458-459. (Cont.) Sept. 1966.
389.78 K85

- 19359 U. S. CONSUMER AND MARKETING SERV.
How to buy poultry by USDA grades.
U. S. D. A. Marketing Bull. 1, rev., 6 p.-folder.
Sept. 1966. A280.39 Ag8M
- 19359 WASHINGTON, STATE UNIVERSITY. EXTEN-
SION SERV. Washington State commodity data
sheet: chicken eggs—U. S. Wash. State Univ.
Ext. E. M. 2331, rev., 2 p. Aug. 1966.
275.29 M27M1
- 19360 WLADYKA, E. J. Changes in the amino acid
composition of chicken meat and drip during
frozen storage. *Diss. Abstr.*, Sect. B, 27(3):
852B-853B. Sept. 1966. Z5055,U49D53
- 19361 ZHUKOV, F. Packing and storing eggs—an im-
portant factor. (Rus) *Zakupki Sel'skokhoz.*
Prod. 10:42-43. Oct. 1966. 280.38 Z14

RUBBER AND RUBBER SUBSTITUTES

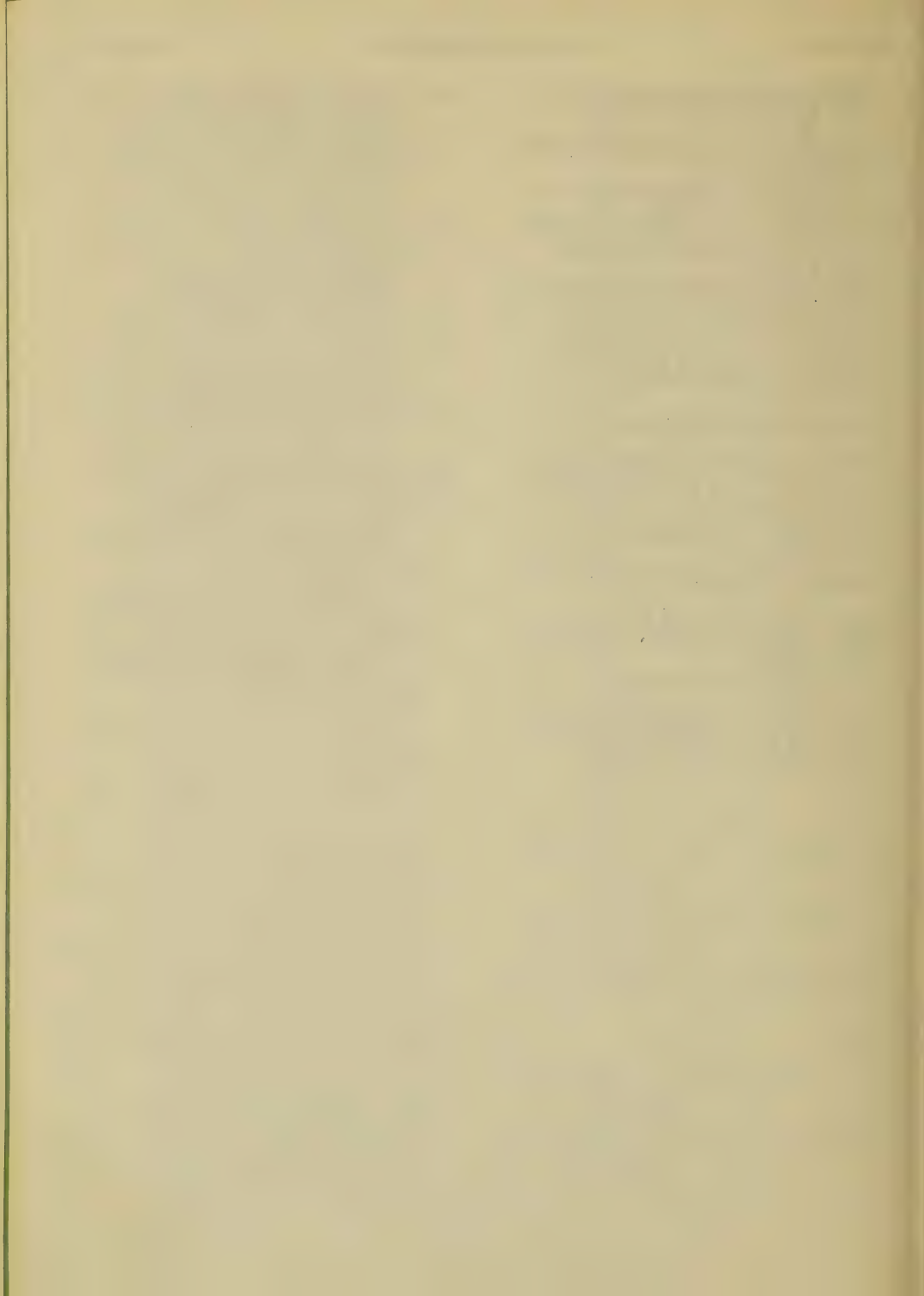
- 19362 BRAZIL, COMISSAO EXECUTIVA DE DEFESA
DA BORRACHA. Anuario de estatistica e in-
formacoes (mercado nacional). An. 17. "—N."
18—janeiro-dezembro, 1965 [Statistical annual
and information (national market). Volume 17,
No. 18, January-December 1965]. Rio de Ja-
neiro, 1966. 40 p. 281.3789 B73
- 19363 LEWIS, J. E. Radioactive testing will resolve
many unknowns in rubber behavior. *Rubber
J.* 148(1, carbon blackboard), 4 p. Nov. 1966.
305.8 In21
- 19364 RUBBER red book; directory of the rubber in-
dustry, 19th edition, 1967. New York, 1966.
946 p. 225 R82
- 19365 RUEBENS AAL, C. F. World synthetic rubber—
its manufacture and markets. *Rubber Plast.*
Age 47(10):1065-1069. Oct. 1965. 305.8 R824
Includes position with relation to natural
rubber.
- 19366 SCOTT, O., and others. The Division of Rub-
ber Chemistry; catalyst of an industry. II. *Rubber World* 155(2):82-83, 85-86, 90, 94. Nov.
1966. 305.8 In2
B. Mulligan, J. del Gatto, and K. Allison,
joint authors.
Of the American Chemical Society.
- 19367 SONNECKEN, E. H. World outlook for the
rubber industry. *Rubber J.* 148(11):50-52.
Nov. 1966. 305.8 In21
- 19369 TROLL, R. A microorganism found in the latex
of *Euphorbia marginata* Pursh. (*Euphorbia-*
ceae). III. *State Acad. Sci. Trans.* 59(3):292-
293. 1966. 500 IL6
Resembling *Bacillus megaterium*.
- 19369 YAU, W. W. C. Mechanical and optical studies
of rubber crystallization. *Diss. Abstr.*, Sect.
B, 27(4):1121B. Oct. 1966. Z5055,U49D53

SEEDS

- 19370 BARNARD, E. Certified grass seed is the
answer. *Farming S. Afr.* 42(7):6-7, 28. Oct.
1966. 24 So842
- 19371 BOYLE, J. A. Good seed does not cost—it
pays. *Agr. Gaz. New S. Wales* 77(5):271-274.
May 1966. 23 N472
Certified seed.
- 19372 COBBLE, R. E. When selecting seed to plant,
you want Tennessee certified seed. *Tenn.
Univ. Ext. SP* 146, 4 p. June 1965.
275.29 T25Sp
- 19373 EVERS, P. N. Emergence, work expenditure
and costs of pelleted and calibrated monogerm
seed. (Ge) *Zucker* 19(4):83-87. Feb. 13, 1966.
65.8 Z82
English summary.
- 19374 GAVLOVSK, K. Possibilities for cooperation
in the field of seed production. (Rus) *Mezh-
dunar. Sel'skokhoz. Zh.* 5:59-64. 1966.
20 M57
Chiefly USSR bloc.
- 19375 ORBAIZ, A. The sunflower. (Sp) *Soc. Rural
Argent. An.* 100(8):77-79. Aug. 1966. 9 So1
Chiefly seed and varietal certification.

- 19376 SEMB, L., and RYGG, T. Beising av grønnsak- og rotvekstfor [Chemical treatment of vegetable and root crop seed]. Rev. ed. Norway. Landbruksdep, Opplysningstjenesten, Smaskr. 2,4 p. 1966. 464,4 N83
- 19377 TEXAS. DEPT. OF AGRICULTURE. 1966 seed directory; registered plant breeders and certified seed growers. Austin, 1966. 70 p. 225 T3152
- SUGAR AND SIRUPS**
- 19379 ACCINELLI, A. Continuous crystallization and cooling crystallization. (Ge) Zucker 19 (15):400-410. Aug.1,1966. 65.8 Z82
English summary.
In the manufacture of sugar.
- 19379 BALOH, T. Thermic calculation of pulp drying. (Ge) Zucker 19(6):135-144. Mar.15,1966. 65.8 Z82
English summary.
- 19390 BORISOV, P. High standards of the sugar beets industry. (Rus) Sakharn. Svelka 10:3-5. Oct.1966. 66.8 Su393
- 19381 BRUNKE, M. Automation of a plant for extracting sugarcane. (Ge) Zucker 19(7):167-170. Apr.1,1966. 65.8 Z82
English summary.
- 19382 CARRANZA MARQUEZ, M., and MELGAREJO, S. Contribution to the technology of sugarcane. (Sp) Soc. Quim. Peru. Bol. 42(1):20-22. Mar. 1966. 385 So15
- 19383 CUSHING, R. L. Sugar in Hawaii, 1966. Sugar Azucar 61(9):35-36. Sept.1966. 65.8 F11
Text also in Spanish, p.81-82.
- 19384 DEMAUX, M., and TOURLIERE, S. Progress made in the construction of automatic saccharimeters. (Fr) Indus. Aliment. Agr. 83(7/8): 889-898. July/Aug.1966. 383 As7
Testing of sucrose content of sugar beets.
- 19385 DEVILLERS, P. L. Liquid-solid extraction; best diffusion. (Fr) Chim. Indus. [Paris] 96 (3):595-604. Sept.1966. 383 C42
English summary.
- 19386 DOSS, K. G. B. Nomogram for calculating reduced boiling house recovery (Gundu Rao). Indian Sugar [Calcutta] 16(3):255. June 1966. 65.8 In26
- 19387 EWALD, G. Agriculture and the sugar industry. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 465:1-6. Aug.15,1966. (JPRS 36,993; TT 66-33423) 173 J663Ste
Sugar beet policy in East Germany.
Translation from Presse Informationen 80 (sup.):I-II. July 1966.
Issued by CFSTI.
- 19389 GAIROLA, B. B. The D.M.C. [Defeco Melt-Crystallization] process - a critical review & suggestions for improvement. Indian Sugar [Calcutta] 16(2):143-146. May 1966. 65.8 In26
- 19389 GREWAL, S. S., and KAHLOH, A. S. Implications of the disturbance of gur and sugarcane price parity. Agr. Situation India 21(2/3):77-84. May/June 1966. 281.9 In23
- 19390 GUPTA, S. C. Recent advances in sugar technology in India. Indian Sugar [Calcutta] 16 (2):133-136. Ref. May 1966. 65.8 In26
Manufacturing.
- 19391 INDIAN SUGAR MILLS ASSOCIATION. Annual general meeting, 33d, 1966. Indian Sugar [Calcutta] 16(2):111-124,127-130. May 1966. 65.8 In26
- 19392 JAIPURIA, S. Problems of the sugar industry. Indian Sugar [Calcutta] 16(2):77-81. May 1966. 65.8 In26
Includes Government policies.
- 19393 JHUNJHUNWALA, V. D. Utilisation of by-product-bagasse. Indian Sugar [Calcutta] 16 (2):95-97. May 1966. 65.8 In26
- 19394 KRACK, E. Economic relations between [beet] sugar industry and agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 465:7-10. Aug.15,1966. (JPRS 36,993; TT 66-33423) 173 J663Ste
In East Germany.
Translation from Presse Informationen 81:2-3. July 1966.
Issued by CFSTI.
- 19395 MANNA, J. Calculating sugar crystallization by means of the monogram of quotients. (Ge) Zucker 19(5):116-124. Mar.1,1966. 65.8 Z82
English summary.
- 19396 NARANG, P. Problems facing the sugar industry in Uttar Pradesh. Indian Sugar [Calcutta] 16(2):99-100. May 1966. 65.8 In26
- 19397 OLBRIKH, H. Beet molasses in shoe polish manufacture. (Ge) Seifen-Ole-Fette Wachse 92(20):713-715. Ref. Sept.28,1966. 307.8 Se4
- 19399 PANDEY, B. N. By-products of sugarcane industry and their utilisation. Indian Sugar [Calcutta] 16(2):205-210. Ref. May 1966. 65.8 In26
- 19399 PANGBORN, R. M., and CHRISP, R. B. Gustatory responses to anomeric sugars. Experientia 22(9):612-615. Ref. Sept.15,1966. 475 Ex7
- 19400 PANJE, R. R. The present position and prospects of beetsugar production in India. Indian Sugar [Calcutta] 16(2):177-181, map. May 1966. 65.8 In26
- 19401 PARASHAR, D. R. The effect of reduced sulphur consumption on the process of white sugar manufacture. Indian Sugar [Calcutta] 16 (2):147-153. May 1966. 65.8 In26
- 19402 PETZALL, E. B. The prices of sugar in Spain. (Ge) Zucker 19(15):410. Aug.1,1966. 65.8 Z82
- 19403 PETZALL, E. B. Report on sugar in El Salvador. (Ge) Zucker 19(4):99. Feb.15,1966. 65.8 Z82
Industry and trade.
- 19404 QUEBEC. BUR. OF STATISTICS. Maple products 1966. Quebec, 1966. 12 p. 253.8 S2M
Text also in French.
- 19405 RAINA, S. S. Sugar - the international perspective. Indian Sugar [Calcutta] 16(2):187-190. May 1966. 65.8 In26
Statistics on trade, consumption, production, prices.
- 19406 SAINI, A. S. Some technical improvements in the paper chromatography of sugars. J. Chromatography 24(2):484-486. Oct.1966. 475 J824
- 19407 SCHIEBL, W. Determination of the water content of the raw sugar from sugar beets by drying it at 100 to 120 degrees Celsius and by atmospheric pressure. (Ge) Zucker 19(10): 245-249. May 15,1966. 65.8 Z82
English summary.
- 19409 SCHWICK, H. Determination of water content of molasses by titration with Karl Fischer reagent (dead stop method) with a registering potentiometer. (Ge) Zucker 19(15):396-400. Aug.1,1966. 65.8 Z82
English summary.
- 19409 SHARMA, S. C. White sugar without sulphur. Indian Sugar [Calcutta] 16(2):139-142. May 1966. 65.8 In26
- 19410 SINGH, M., and SHAH, K. S. Manufacture of white sugar by Defeco Sulphitation Process. Indian Sugar [Calcutta] 16(3):251-253. June 1966. 65.8 In26
- 19411 VUKOV, K. Decomposition of invert sugar and discoloration of sugar juices under factory conditions. (Ge) Zucker 19(4):87-94. Ref. Feb.15,1966. 65.8 Z82
English summary.
- 19412 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet; sugar beets. Wash. State Univ. Ext. E. M. 2536, 2 p. Aug.1966. 275.29 W27M1
- TOBACCO**
- 19413 BLAIM, K., and BERBEC, J. Nicotinic tobaccos in Poland. (Pol) Roczn. Nauk Roln. 91:A-3:609-616. 1966. 20.5 R59
English summary.
- 19414 CLARK, C. M., and WHITE, G. M. Light conditions for striping tobacco. Ky. Univ. Ext. Leaflet 293, 6 p.-folder. Oct.1966. 275.29 K415Le
Includes grading.

- 19415 CONOVER, A. G. U.S. tobacco outlook for 1967: second acreage-poundage crop higher. Tobacco [New York] 163(22):11-12,27. Nov.25, 1966. 286.89 T552
- 19416 JURION, F. The cultivation of tobacco in Southern Rhodesia and in the Union of South Africa. 14 p. Transl. 16231
Drying.
Translation from Revue Internationale des Tabacs 25:17-24. Jan.1950.
- 19417 MCCLURE, W. F., HASSLER, F. J., and JOHNSON, W. H. Corrected fluorescence excitation and emission spectra of bright leaf tobacco. Amer. Soc. Agr. Eng. Pap. 341,17 p. 1966. 290.9 Am32P
- 19419 REPUBLIC OF SOUTH AFRICA. TOBACCO INDUSTRY CONTROL BOARD. Report for the financial year ended 30th April, 1966. Pretoria, 1966. various paging. 280.2699 So8 Marketing and statistics.
- 19419 RODUTA, F. L. The relationship between the weight per unit area to leaf burn of tobacco leaves. Philippine Tobacco Rev. 3(1):25-26. Jan./Apr. 1966. 286.89 P53
Quality.
- 19420 SHAW, J. G. Acid phosphatase from tobacco leaves. Arch. Biochem. Biophys. 117(1):1-9. Ref. Oct.1966. 381 Ar2
- 19421 U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Official standard grades for flue-cured tobacco (U. S. types 11, 12, 13, and 14), effective June 12, 1965. Washington, 1965. 34 p. aHD9131.U5A5
- 19422 VANBERCIE, R. Launching of cape tobacco culture for cigars in Zambia. (Fr) Agron. Trop. [Paris] 21(5):692-693. May 1966. 26 Ag86
- 19423 VODOVSKII, N. Profit could be higher. (Rus) Zakupki Sel'skokhoz. Prod. 10:28-29. Oct. 1966. 280.38 Z14
Tobacco industry in the Crimea.
- 19424 WEINER, J. B. The high-stakes strategy of American tobacco. Dun's Rev. Mod. Indus. 88 (5):43-47,100,103-104,106. Nov.1966. 286.8 D92
- MISCELLANEOUS PRODUCTS**
- 19425 BIERMANN, K. H., and GOTHE, E. D. Practical disinfection experiments on fish boxes. (Ge) Arch. Lebensmittelhgy. 17(7):164-167. July 1966. 41.8 L49
To prevent bacterial contamination.
- 19426 CARRANZA MARQUEZ, M. Contribution to fish technology. (Sp) Soc. Quim. Peru. Bol. 42(1):23-26. Mar.1966. 385 So15
- 19427 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(428):1180-1190. (Cont.) Oct.1966. 390.8 B87
Technical bases and sanitary defense of grape plants: French report by G. Mottard.
- 19429 CONNELL, J. J. A simple colour test for cold storage deterioration in cod. J. Sci. Food Agr. 17(7):329-332. July 1966. 382 So12
Includes storage conditions.
- 19429 CRAWFORD, H. S. Problems of supply and demand for shade trees. Arborist's News 31(10):73-77. Oct.1966. 99.8 Ar14
Nurseries.
- 19430 HORNER, R. How to reduce sod credit losses. Weeds Trees Turf 5(10):20-23. Oct.1966. 79.8 W413
- 19431 NAVARRO GOMEZ, P. The fish processing industry in Spain. (Sp) Veterinaria [Madrid] 30 (12):751-766. Dec.1965. 41.8 V6429
- 19432 OLIVANNAN, M. S., SELVARANGAN, R., and NAYUDAMMA, Y. Babul pod (Acacia arabica) as a source of tannin in East India tanning. Tanner 21(4):107-109. Sept.1966. 303.8 T15
- 19433 ONGARO, G. Italian flower stamps. (It) Ital. Agr. 103(6):600-602. June 1966. 16 It1
- 19434 PILZ, J. Labeling young plants. (Ge) Deut. Gartenbau 13(2):51-52. Feb.1966. 80 G1948
- 19435 POWELL, J. V., and LUNDQUIST, D. M. A bibliography on marketing woody plants and related nursery products, 1944-65. U. S. D. A. Misc. Publ. 1039,23 p. Sept.1966. 1 Ag84M
Chiefly ornamental plants.
- 19436 VANDERKAY, R. H. The fine edge in continuous cutting of frozen seafoods for processing. Quick Frozen Foods 29(4):74-76. Nov.1966. 389.8 Q4
- 19437 WEIGL, J., and YAPHE, W. The enzymic hydrolysis of carrageenan by Pseudomonas carragiovora: purification of a kappa-carrageenase. Can. J. Microbiol. 12(5):939-947. Ref. Oct.1966. 448.8 C162



ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with *Agricultural Products*; references on housing of livestock with *Agricultural Engineering*.

BREEDS AND BREEDING

- 19439 BARBU, N. Organization and future tasks of the livestock breeding. (Rum) *Rev. Zootech. Med. Vet.* 16(9):5-8. Sept.1966. 49 P943
- 19439 BAROV, V., and YOVCHEVA, V. Application of the concise and complete dispersion analysis in animal breeding. (Bu) *Zhivotnovudni Nauk.* 2(5):804-808. 1965. 49 Z65
English summary.
- 19440 BAROV, V. A criterion for determining the application of the complete and concise dispersion analysis in livestock breeding. (Bu) *Zhivotnovudni Nauk.* 2(6):971-979. 1965. 49 Z65
English summary.
- 19441 BAROV, V. An elementary method of delimiting the spheres in which complete and abridged dispersion analyses are applied in livestock raising. (Bu) *Zhivotnovudni Nauk.* 3(2):265-274. 1966. 49 Z65
English summary.
- 19442 BONADONNA, T. Reproduction, economy, pathology and commercialization. (Fr) *Econ. Med. Anim.* 7(3):174-181. May/June 1966. 41.8 Ec7
- 19443 BRATAMOV, K., DIKOV, V., and KOLINKO-EVA, A. Investigations into the effect of certain immune bodies in the reproduction of animals. IX. Studies on the behaviour of bull, ram and boar semen with respect to their homologous erythrocytobodies. (Bu) *Vet. Med. Nauk.* 3(5):535-540. Ref. 1966. 41.8 V6468
English summary.
- 19444 CITU, D. Aspects of the development of livestock breeding on collective farms of the Negra Voda district. (Rum) *Rev. Zootech. Med. Vet.* 16(8):8-14. Aug.1966. 49 P943
Includes meat and milk production.
- 19445 COOPER, D. W. A note on the examination of genotypic ratios in domestic animals using incomplete family data. *Anim. Prod.* 8(3):511-513. Oct.1966. 49 An55
- 19446 CORTEZ, A., and PILLON, P. Commercialization of reproduction sanitary standards. (Fr) *Econ. Med. Anim.* 7(3):182-185. May/June 1966. 41.8 Ec7
For disease control.
- 19447 DERLOGEA, V., and POPESCU, C. Hereditary abnormalities of the livestock. (Rum) *Rev. Zootech. Med. Vet.* 16(10):44-55. Ref. Oct.1966. 49 P943
- 19449 DOBROVICI, M., and OPREA, E. Control of the livestock production and the livestock registered in the state herdbooks. (Rum) *Rev. Zootech. Med. Vet.* 16(9):45-76. Sept.1966. 49 P943
Includes breeds.
- 19449 DRAGANESCU, C. System of improvement of animals. (Rum) *Rev. Zootech. Med. Vet.* 16(10):23-30. Ref. Oct.1966. 49 P943
- 19450 DUICA, S. Quantitative genetics and the improvement of animal production. (Rum) *Rev. Zootech. Med. Vet.* 16(10):13-18. Oct.1966. 49 P943
- 19451 GRANCIO, I. Genetical considerations on the breeding and test of the progeny of livestock. (Rum) *Rev. Zootech. Med. Vet.* 16(9):9-14. Sept.1966. 49 P943
- 19452 KIHLSSTROM, J. E. A sex cycle in the male. *Experientia* 22(9):630-632. Sept.15,1966. 475 Ex7
Includes livestock.
- 19453 LEROY, A. M. Selection of reproducing cattle, sheep and swine. (Fr) *Econ. Med. Anim.* 7(3):186-194. May/June 1966. 41.8 Ec7
- 19454 LORENZEN, R. T. Queuing techniques applied to the design and operation of livestock production facilities. *Amer. Soc. Agr. Eng. Pap.* 409,17 p. Ref. 1966. 290.9 Am32P
Livestock breeding and poultry incubation.
- 19455 MAGAS, L. Better sires mean more valuable stock. II. (Hu) *Magyar Mezőgazdaság* 21(45). 18-19. Nov.9,1966. 19 M27
Swine, sheep and horse breeding.
- 19456 MOAV, R. Specialised sire and dam lines. III. Choice of the most profitable parental combination when component traits are genetically non-additive. *Anim. Prod.* 8(3):365-374. Oct. 1966. 49 An55
Livestock.
- 19457 MOAV, R., and HILL, W. G. Specialised sire and dam lines. IV. Selection within lines. *Anim. Prod.* 8(3):375-390. Oct.1966. 49 An55
Livestock, in Scotland.
- 19458 MOEBU, D., and ZAVERTYAEV, B. Trends in breeding and livestock selection in Mongolia. (Rus) *Mezhunar. Sel'skokhoz. Zh.* 5:87-89. 1966. 20 M57
- 19459 NITA, A., and LUNGULESCU, G. Achievements in the application of scientific breeding of livestock in Banat. (Rum) *Rev. Zootech. Med. Vet.* 16(9):88-92. Sept.1966. 49 P943
- 19460 RADFORD, H. M. Regulation of the breeding season in mammals. *Australian Soc. Anim. Prod. Proc.* 6:19-31. Ref. 1966. 49.9 Au72
Includes domestic animals.
- 19461 TEKHNOLGIYA raboty stantsii po iskusstvennomu osemeneniyu sel'skokhozyaystvennykh zhivotnykh [Technology of the work of a station for the artificial insemination of domestic animals]. Moskva, Rossel'khozizdat, 1965. 163 p. SF105.5.T4

FEEDS AND FEEDING

- 19462 ALEKSIEV, A., and KRUSTEVA, E. Study on ensiling of raw and steamed potatoes with and without addition of urea and ammonium sulfate. (Bu) *Zhivotnovudni Nauk.* 2(5):719-727. Ref. 1965. 49 Z65
German summary.
- 19463 BALDWIN, R. L., and others. Effect of carbohydrate and fat intakes upon the activities of several liver enzymes in rats, guinea piglets, piglets and calves. *J. Nutr.* 90(1):47-55. Ref. Sept.1966. 389.8 Ref
- 19464 M. Ronning, C. Radanovics, and G. Plange, joint authors.
- 19464 CHESHMEDZHIEV, B. V. Nutritional characteristics of certain mountain hays. (Bu) *Zhivotnovudni Nauk.* 2(5):783-793. 1965. 49 Z65
English summary.
- 19465 COUCH, J. R., CREGER, C. R., and BAKSHI, Y. K. Trypsin inhibitor in guar meal. *Soc. Exp. Biol. Med. Proc.* 123(1):263-265. Oct. 1966. 442.9 Sol
- 19466 FERRER FALCON, L. Flavor of feed in animal nutrition. (Sp) *Veterinaria [Madrid]* 31(2):79-91. Ref. Feb.1966. 41.8 V6429
- 19467 GAWEDA, H., and RALSKA, M. The role of herbage in supplying farm animals with mineral and trace elements. (Pol) *Econ. Nauk Roln.* 86-B-4-663-688. Ref. 1965. 20.5 R59
English summary.
- 19469 GEOFFROY, R. Importance of research in the compound feed industry. (Fr) *Tech. Meun.* 107:7-9. May/July 1966. 298.8 T22
- 19469 GURCHENKO, V. Feed resources for the livestock in the countries-members of the Council for Mutual Economic Assistance in the new Five-Year Plan. (Rus) *Mezhunar. Sel'skokhoz. Zh.* 5:73-77. 1966. 20 M57
- 19470 HIERONYMUS, T. A., and GUTHIER, H. Corn and soybean supplies for 1967. *Feed Manage.* 17(12):24-26. Dec.1966. 389.78 Ea7
- 19471 KANEV, S., DOBREVA, I., and VULCHANOV, D. Comparative studies on the yield and nutritive value of corn, soybean silages and their mixtures. (Bu) *Zhivotnovudni Nauk.* 3(4):611-618. Ref. 1966. 49 Z65
German summary.
- 19472 KNIPFEL, J. E., and TROELSEN, J. E. Interaction between inoculum donor diet and substrate in vitro ruminant digestion studies. *Can. J. Anim. Sci.* 46(2):91-95. Ref. Aug.1966. 41.8 C163

- 19473 KRIEL, A. F. Fill the fodder barns in spring. *Farming S. Afr.* 42(6):6-7, 9. Sept. 1966. 24 So842
- Nutritive value of hay and silage for livestock.
- 19474 LUCIFERO, M. Hay silage of legumes and grain preserved by ensiling. (It) *Inform. Zootec.* 13(9):381-386. May 15, 1966. 49 In3
- 19475 MAINARDI, B. L'ABC dell'alimentazione del bestiame [The ABC of animal nutrition]. Ed. 2. Bologna, Calderini, 1965. 63 p. (Universale Edagricole, No. 13) SF95.M32
- 19476 MARCH, B. E., and others. Protein nutritive quality of commercial fish meals as assessed by biological and chemical methods. *Can. Fish. Res. Board. J.* 23(3):395-414. Ref. Mar. 1966. 442.9 C16J
- J. Biely, C. Goudie, and H. L. A. Tarr, joint authors.
- 19477 MARCO BARO, L. Fluorine and dicalcium phosphate precipitates. (Sp) *Ag. (Rev. Agr. Ganad.)* 6(20):3-5. Mar./Apr. 1965. 15 Ag88
- Used as feed and fertilizer.
- 19478 MARTEN, G., BRONSCHE, K., and LUDERS, H. The problem of oxytetracycline accumulation in bone tissues after adding it to calf, swine, and broiler rations. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(3):183-194. Ref. May 1966. 389.78 Z3
- English summary.
- 19479 MERRILL, L. B., REARDON, P. O., and LEINWEBER, C. L. Cattle, sheep, goats—mix ten up for higher gains. *Tex. Agr. Progr.* 12(4):13-14. Fall 1966. 100 T31Te
- Grazing.
- 19480 MILFORD, R., and MINSON, D. J. Determinants of feeding value of pasture and supplementary feed. *Australian Soc. Anim. Prod. Proc.* 6:319-329. 1966. 49.9 Au72
- Review of the literature.
- 19481 NIVISON, J. The drought. *Wool Technol. Sheep Breeding* 13(1):87-89. July 1966. 304.8 W888
- Livestock feeding in Australia.
- 19482 NYGAARD, A. Forvalgt, arbejdsforbrug og økonomi ved ulike silotyper [Feed quality, labor requirements and economy of various silo types]. *Norges Landbruksforsk. Inst. Bygningsteknikk, Stensiltrykk* 60, 41 p. 1966. 49.9 N76
- 19483 PERRY, T. W. Urea in animal nutrition. *Iowa Vet.* 37(6):25-27. Nov./Dec. 1966. 41.8 I09
- 19484 PLATIKANOV, N., SOLOMONOV, KH., and DZHURKOV, D. Ammonium carbonate and ammonium bicarbonate as protein substitute in the ration of ruminant in comparison to urea. (Bu) *Zhivotnovodni Nauk.* 2(6):875-886. Ref. 1965. 49 Z65
- German summary.
- 19485 PLATIKANOV, N., and others. Yields and nutritive value of Ohio C-92 and Wisconsin 641 AA two-phased harvested, nonirrigated hybrid corn. (Bu) *Zhivotnovodni Nauk.* 2(5):767-781. Ref. 1965. 49 Z65
- B. Yankov, D. Dzhurkov, and M. Dzhavora, joint authors.
- German summary.
- 19486 SANDEV, S., and DARDZHONOV, T. On possibilities of utilizing synthetic amino acids in animal husbandry. (Bu) *Selskostatpanska Nauk.* 5(2):27-38. 1966. 21 So492
- 19487 SCHUKKING, S., and HENGVELD, A. G. Toevoeging van landbouwzout bij het inkuilen; verslag over 1965 van de interprovinciale serie 880 [Application of agricultural salt to silage manufacture; report on 1965 of the interprovincial series 880]. Wageningen. Proefsta. Akker-Weidebouw. Gestencilde Verslagen Interprov. Proeven 112, 31 p. 1966. 105.2 W123G
- 19489 SHARON, J. Net feed power matches nutrients to needs. *Dane's Agr. Rep.* 29(32):16, 18. Nov. 8, 1966. 281.8 D652
- Estimation of nutritional requirements of ruminants.
- 19489 SHIRLEY, R. L. Microelements in animal nutrition. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:76-82. Ref. 1965, pub. 1966. 56.9 So32
- 19490 SMYTH, P. J. Some trace elements and the grazing ruminant. *Irish Vet. J.* (n.s.) 20(9):162-169. Sept. 1966. 41.8 Ir4
- 19491 TOLGYESI, GY. On the microelement content of the weeds. (Hu) *Magyar Allatorv. Lapja* 21(10):446-449. Ref. Oct. 1966. 41.8 V644
- English summary.
- In relation to nutritive value of pastures.
- 19492 TORRENT MOLLEVI, M. Considerations on silage. (Sp) *Veterinaria [Madrid]* 30(6):379-387. June 1965. 41.8 V6429
- 19493 VENEDIKTOV, A. M. Mineral alimentation of agricultural animals under conditions of feeding with ensilage crops. U. S. Joint Publ. Res. Serv. [Transl.] *Use Chem. Agr. USSR, Nov. 5, 1964:34-48.* (JPRS 27,230; TT 64-51485) 173 J663Uc
- Minerals in animal nutrition.
- Translation from Khimiya v Sel'skom Khozyaystve 8:44-52. Aug. 1964.
- CFSTI \$2.00.
- 19494 VESNINA, G. Z. Animal husbandry at the border of steppe and semidesert areas. (Rus) *Moscow Univ. Vestnik Ser. 5, Geogr.* 2:56-61. Mar./Apr. 1966. 331.9 M85
- In relation to feed supply.
- 19495 WARD, A. M. Late-cut corn silage. *Farm Quart.* 21(6):54-55, 89-90, 92, 94. Winter 1966/67. 6 F22995
- 19496 WILLIAMS, L. E., and TEAGUE, H. S. Moldy corn as a feeding problem. *Ohio Rep. Res. Develop. Biol. Agr. Home Econ.* 51(3):38-39. May/June 1966. 100 Oh38
- 19497 YATES, N. G., and ALLEN, W. G. A study of herbage digestibility using an in vitro fermentation technique. *Australian Soc. Anim. Prod. Proc.* 6:340-349. Ref. 1966. 49.9 Au72

VETERINARY MEDICINE

- 19498 ABRAMOV, I. V., and others. Anaplazmozy zhivotnykh [Anaplasmosis of livestock]. Moskva, Kolos, 1965. 240 p., map. Ref. SF967.A6M3
- N. I. Stepanova, L. P. D'yakonov, and D. F. Grobov, joint authors.
- 19499 ACKERMANN, K., HARTIG, F., and SCHMIDT, G. E. Meat inspection and food regulatory judging of rabies infected animals. (Ge) *Arch. Lebensmittelforsch.* 17(7):154-156. Ref. July 1966. 41.8 L49
- 19500 ACKERMANN, W. W. Relation of some serum inhibitors to the cell receptors for polyoma viruses. U. S. Agr. Res. Serv. *ARS-45-5:120-133.* Ref. May 1966. A41.9 R315A
- Livestock.
- 19501 ADAMS, J. W., and MCKAY, J. Brucella in government-owned livestock in eastern Nigeria. *Nature [London]* 212(5058):217-218. Oct. 8, 1966. 472 N21
- 19502 ADAMS, J. W., and MCKAY, J. Gastrointestinal parasites of farm animals in eastern Nigeria. *Nature [London]* 212(5058):216-217. Oct. 8, 1966. 472 N21
- 19503 ADELAAR, T. F., TERBLANCHE, M., and SMIT, J. D. A report on negative experiments with ferric chloride as a prophylactic agent against gousiekte [Pachystigma pygmaeum]. *S. Afr. Vet. Med. Ass. J.* 37(2):199-201. June 1966. 41.8 So8
- 19504 AKOV, Y., and GOLDWASSER, R. Prevalence of antibodies to arboviruses in various animals in Israel. *World Health Organ. Bull.* 34(6):901-909. Ref. 1966. 449.9 W892B
- Includes livestock infected with West Nile virus and turkey meningo-encephalitis.
- 19505 ALBOU, M., and others. Study of the immunization value of the crystal violet hog cholera vaccine prepared from aerobic bacteria-infected virulent blood. (Rum) *Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrare* 2(1):89-94. Ref. 1963, pub. 1965. 41.9 R863
- T. Albu, V. Rusu, I. Manoiu, and G. Birnaure, joint authors.
- English summary.

- 19506** AMERICAN ANIMAL HOSPITAL ASSOCIATION. Thirty-second annual meeting: scientific presentations and seminar synopses 1965, Washington, D. C. Elkhart, Ind., 1965. 288 p. Ref. 41.9 Am36
- 19507** ANNIS, J. R. Suturing techniques. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 175-181. 1965. 41.9 Am36
- 19508** AUGUSTYNOWICZ, L., and others. The use of "Mepatar-Polfa" in the treatment of useful animals. (Pol) Med. Weter. 22(9):550-551. Sept. 1966. 41.8 M463
- W. Malinowski, Z. Markiewicz, P. Polujanski, W. Stankiewicz, and Z. Tomicki, joint authors. English summary.
- 19509** AUSTRALIAN VETERINARY ASSOCIATION. The annual general meeting and conference, Adelaide, 23 to 27 May 1966. Australian Vet. J. 42(8):287-306. Aug. 1966. 41.8 Au72
- 19510** AUSTRALIAN VETERINARY ASSOCIATION. Conference, Adelaide, May, 1966; discussions on conference papers. Australian Vet. J. 42(9):328-352; (10):380-394. Ref. Sept.-Oct. 1966. 41.8 Au72
- 19511** AZARENKO, V. S., and TRILENKO, P. A. Comparative study of sensitivity of *Vibrio fetus* to antibiotics. (Rus) Veterinariya 6:21-22. June 1966. 41.8 V6426
- 19512** BAKULOV, I. A., and KOTLYAROV, V. M. Seasonal fluctuations of listeriosis cases in domestic animals. (Rus) Veterinariya 6:32-38. Ref. June 1966. 41.8 V6426
- 19513** BALDWIN, E. M. Diagnostic procedures for *Clostridium* infections. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 453-457. 1965, pub. 1966. 49.9 Un3R
- 19514** BARBER, C., and others. Immunochemical relationship between animal *Corynebacteria* with *Corynebacterium diphtheriae* and plant pathogenic *Corynebacteria*. (Fr) Pathol. Microbiol. 29(3):377-386. 1966. 44:8 Sch9
- E. Meitert, V. Bica-Popii, and A. Saragea, joint authors. English summary.
- 19515** BARRETT, R. B. Fundamentals of radiographic interpretation. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 232-238. 1965. 41.9 Am36
- 19516** BARRETT, R. B. X-ray equipment for small animal practice. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 230-231. 1965. 41.9 Am36
- 19517** BASRUR, P. K., BASRUR, V. R., and GILMAN, J. P. W. Method for the preparation of autoradiographs with coverslip cultures. Nature [London] 212(5060):424-425. Oct. 22, 1966. 472 N21
- Animal tissue cultures.
- 19518** BELLHORN, R. W. The need for specialty practice. Mod. Vet. Pract. 47(13):61-62. Nov. 1966. 41.8 N812
- 19519** BENNINK, G. J. H. An investigation into the content of elastic tissue and muscle tissue in the aorta of some big and small mammals. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(2):217-222. Ref. 1966. 44:2, 9 Am8
- Livestock.
- 19520** BERCZI, I., BERTOK, L., and BEREZNAI, T. Comparative studies on the toxicity of *Escherichia coli* lipopolysaccharide endotoxin in various animal species. Can. J. Microbiol. 12(5):1070-1071. Oct. 1966. 44:8 C162
- Includes livestock.
- 19521** BIANCHI, C., and CANZIANI, P. Purchase and sale of animals affected with contagious diseases in French and Italian law: animals affected with tuberculosis. (It) Clin. Vet. 89(7):219-224. July 1966. 41.8 C61
- 19522** BLANCO LOIZELIER, A. Bacteriology of brucellosis and the present state of preventive immunization. (Sp) Veterinaria [Madrid] 30(7/8):447-455. July/Aug. 1965. 41.8 V6429
- 19523** BOERO, J. J. Parasitism on the livestock establishment. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):169-174. May/June 1966. 41.8 B86
- 19524** BOTTIS, R. P., PARRISH, H. M., and BLENDEN, D. C. Comparison of epidemiologic studies in animal and human populations. Can. J. Public Health 57(10):471-474. Ref. Oct. 1966. 44:8 P964
- 19525** BOTTIS, R. P., EDLAVITCH, S., and PAYNE, C. Mortality of Missouri veterinarians. Amer. Vet. Med. Ass. J. 149(5):499-504. Sept. 1, 1966. 41.8 Am3
- 19526** BOUCOMONT, D. Applications de la photographie a l'enseignement et a la recherche anatomiques [Applications of photography in anatomical research and teaching]. Alfort. Ecole Nat. Vet. These 64,55 p. Ref. 1965. 41.2 AL23
- 19527** BRAN, L., SUHACI, L., and URSACHE, R. Practical data on the prevention of Aujeszky's disease. (Rum) Rum. Inst. Cerc. Vet. Biol. prep. "Pasteur." Lucrare 2(1):133-141. Ref. 1963, pub. 1965. 41.9 R863
- English summary. Includes vaccines.
- 19528** BRASMER, T. H. Surgery by thoracic approach (TV). Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 16-19. 1965. 41.9 Am36
- For diaphragmatic hernia.
- 19529** BRODEY, R. S., and REID, J. S. Surgery by median sternotomy. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 20-21. 1965. 41.9 Am36
- 19530** BROWN, A. L. Stable cell line techniques. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 99-104. 1965. 41.9 Am36
- Chiefly in the preparation of virus vaccines.
- 19531** BROWN, F., MARTIN, S. J., and UNDERWOOD, B. A study of the kinetics of protein and RNA synthesis induced by foot-and-mouth disease virus. Biochim. Biophys. Acta 129(1):166-177. Ref. Oct. 24, 1966. 381 B522
- 19532** BUCK, W. B. Diagnosis of poisoning by organic pesticides. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 513-523. 1965, pub. 1966. 49.9 Un3R
- 19533** BULLON INFANTE, F. Techniques of tuberculinization and interpretation of intradermal reactions to tuberculin. (Sp) Veterinaria [Madrid] 30(5):305-322. May 1965. 41.8 V6429
- 19534** BURNS, P. W. Toxicology, and rural health. Southwest. Vet. 18(4):289-294. Summer 1965. 41.8 So82
- Hazards to farm animals.
- 19535** BUSHMANOV, B. S., and RAKHMANOV, A. M. Sodium chloride poisoning symptoms in ruminants. (Rus) Veterinariya 6:63-64. June 1966. 41.8 V6426
- 19536** CALEY, H. K. What is a veterinarian's service worth? Kans. Stockman 52(2):51, 54. Dec. 1966. 49 K134
- 19537** CASTELLA BERTRAN, E. Cholinesterase and anti-cholinesterase substances in biology and animal industry. (Sp) Veterinaria [Madrid] 30(11):661-665. Nov. 1965. 41.8 V6429
- 19538** CASTELLA BERTRAN, E. The newer knowledge on the nervous system; attitude of the veterinarian and its possible utility for him. (Sp) Veterinaria [Madrid] 31(3):175-179. Mar. 1966. 41.8 V6429
- 19539** CASTELLA BERTRAN, E. Present status of the physiopathology of the skin. (Sp) Veterinaria [Madrid] 30(12):733-749. Dec. 1965. 41.8 V6429
- 19540** CASTELLA BERTRAN, E. Recent advances in the field of hormones and their application to domestic animals. (Sp) Veterinaria [Madrid] 31(2):93-102. Feb. 1966. 41.8 V6429
- 19541** CASTILLO CANADAS, P. Brucellosis in the Province of Caceres. (Sp) Veterinaria [Madrid] 30(7/8):473-477. July/Aug. 1965. 41.8 V6429
- 19542** CENA, M. Veterinary hydrotherapy. (Pol) Med. Weter. 22(8):497-501. Aug. 1966. 41.8 M463
- 19543** CHOMSE, H. Small-size equipment for luminescence observation with use of day light. (Ge) Monatsh. Veterinarmed. 21(17):678-680. Sept. 1, 1966. 41.8 M742
- English summary.

- 19544 CLARK, L. G., and others. Leptospirosis in Nicaragua; preliminary report on the first year of study. *Amer. J. Trop. Med. Hyg.* 15(5):735-742, map. Sept. 1966. 44.8 Am326
V. M. Varela-Diaz, C. R. Sulzer, R. R. Marshak, and C. J. Hollister, joint authors.
Includes livestock.
- 19545 CLAYTON, F. W. Professional obsolescence: an imminent crisis. *Amer. Vet. Med. Ass. J.* 149(8):1083-1085. Ref. Oct. 15, 1966. 41.8 Am3
CODY, O. H. Stress and farm animals. *Irish Vet. J. (n.s.)* 20(6):102-107. Ref. June 1966. 41.8 Ir4
Effects of environment.
- 19547 COLEOU, J. Tendencias and tasks for the organization of modern care; problems posed by the raising of young ruminants. (Fr) *Econ. Med. Anim.* 7(2):99-124. Ref. Mar./Apr. 1966. 41.8 Ec7
Chiefly diseases control.
- 19549 CONFERENCE OF VETERINARY LABORATORY DIAGNOSTICIANS, 8th annual meeting. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:451-556. Ref. 1965, pub. 1966. 49.9 Un3R
CONFERENCE ON EXPERIMENTAL PRIMARY MYOPATHIES AND THEIR RELATIONSHIP TO HUMAN MUSCLE DISEASES, NEW YORK, 1966. [Papers], edited by E. M. Weyer. N. Y. Acad. Sci. Ann. 138(1), 366 p. Ref. Sept. 9, 1966. 50.9 N43
Held by the New York Academy of Sciences.
Includes livestock.
- 19550 CONGRESSO DELLA FEDERSPEL, 3, MONTECATINI, 1966. [Report of the Congress]. (It) *Nuovo Prog. Vet.* 21(11):526-528, 530-532, 534, 536, 538-540, 542, 544-546; (12):566, 568; (14):658, 661-662. June 15-30, July 31, 1966. 41.8 P942
The Federazione di Sanitari Pensionati Enti Locale.
Includes reports of F. Mirabella, M. Scherillo, G. Vettori, U. Guiducci, Deambrogio, Agostinelli, and Bertolini.
- 19551 CONGRESSO SINDACALE DEI VETERINARI DIPENDENTI DA ENTI LOCALE, 5, FLORINCE, 1966. [Report of the congress]. (It) *Nuovo Prog. Vet.* 21(11):505-508, 511-512, 514-516, 518, 520, 522-524; (12):569-570, 572, 574; (14):664. June 15-30, July 31, 1966. 41.8 P942
Includes reports of E. Gallina, E. Valcarenghi, G. Verdrame, R. de Rogatis, and S. Cagno.
- 19552 COOK, R. M. Use of C14 to study utilization of substrates in ruminants. *J. Dairy Sci.* 49(8):1018-1023. Ref. Aug. 1966. 44.8 J822
- 19553 COX, R. W., GRANT, R. A., and HORNE, R. W. The assembly of tropocollagen macromolecules to form native collagen fibrils. *J. Physiol.* 186(2):68P-69P. Oct. 1966. 44.7 J82
- 19554 COWAN, K. M. Immunochemical methods. U. S. Agr. Res. Serv. ARS-45:5-83-93. May 1966. A41.9 R315A
-Chemistry of antigens and antibodies studied in cattle, swine, and rabbits.
- 19555 CRICK, J., CARTWRIGHT, B., and BROWN, F. Interfering component of vesicular stomatitis virus. *Nature [London]* 211(5054):1204-1205. Sept. 10, 1966. 47.2 N21
- 19556 CSISZAR, V., and others. Parenteral infection experiments with *Salmonella typhimurium* in several domestic animals. (Hu) *Magyar Allatorv. Lapja* 21(9):406-409. Sept. 1966. 41.8 V644
S. Pusztai, J. Takacs, and L. Tamas, joint authors.
English summary.
- 19557 DELGADO CALVETE, D. A. Veterinary food services in the face of tuberculosis and brucellosis. (Sp) *Veterinaria [Madrid]* 31(3):149-164. Mar. 1966. 41.8 V6429
- 19559 DELI, C., and SOBRERO, R. Nematodes of domestic ruminants in Somalia. (It) *Parassitologia* 8(1):29-44. July 1966. 43.6 P212
- 19559 DIMITROV, N. Joint measure in control of foot-and-mouth disease of livestock. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 5:77-79. 1966. 20 M57
Chiefly in USSR bloc.
- 19560 DINSMORE, J. R. Fundamental hospital management. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:61-68. 1965. 41.9 Am36
- 19561 DOMAN, I. The application of terramycin unguent and mastalene infusorium in the veterinary practice. (Hu) *Magyar Allatorv. Lapja* 21(9):423-424. Sept. 1966. 41.8 V644
English summary.
Therapeutic use in various livestock diseases.
- 19562 DRAGALIN, N., and SALAZHOV, E. Methods of control of foot-and-mouth disease in Turkey. (Rus) *Veterinariya* 6:114-115. June 1966. 41.8 V6426
- 19563 DURBIN, C. G. The Food & Drug Administration & the small animal practitioner. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:57-60. 1965. 41.9 Am36
- 19564 EDMONDS, R. S. A multi-faceted and vibrant profession. *Vet. Econ.* 7(11):38-40, 45-46. Nov. 1966. 41.8 V6458
Veterinary practice.
- 19565 EGGERT, O. K. Medical and veterinary instrument inventors as promoters of the practice in the 19th century. (Ge) *Tierarztl. Umsch.* 21(8):399-402. (Cont.) Aug. 1, 1966. 41.8 T445
- 19566 ELLETT, E. W. The use of tissue adhesives. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:133-134. 1965. 41.9 Am36
- 19567 ERNE, K. Distribution and elimination of chlorinated phenoxycetic acids in animals. *Acta Vet. Scand.* 7(3):240-256. Ref. 1966. 41.8 Ac87
2,4-D and 2,4,5-T.
- 19569 FAIR, E. W. You can prevent damage suits. *Vet. Econ.*, Oct. 1966:58-59. 41.8 V6458
- 19569 FELDMAN, R. F. Submission of pathologic specimens. *Southwest. Vet.* 19(4):307-309. Summer 1966. 41.8 So82
Techniques in veterinary medicine.
- 19570 FERNEY, J. Infectious diseases. (Fr) *Econ. Med. Anim.* 7(2):125-136. Ref. Mar./Apr. 1966. 41.8 Ec7
In France.
- 19571 FIELDEN, E. D. Some economic effects of disease. *New Zeal. Soc. Anim. Prod. Proc.*, 26th Annu. Conf. 182-188. Ref. 1966. 49.9 N43
- 19572 FISCHER, H. Veterinary problems in Guinea. (Ge) *Tierarztl. Umsch.* 21(8):415. Aug. 1, 1966. 41.8 T445
- 19573 FONTAINE, E. Etude critique de l'arrete ministeriel du juillet 1951 relatif a l'abattage des animaux pour cause de maladie ou d'accident [Critical study of the ministerial order of July 2, 1951 in relation to slaughtering of animals because of disease or injury]. *Alfort. Ecole Nat. Vet. These* 60, 58 p. Ref. 1966. 41.2 AL23
In France.
- 19574 FORNEY, R. B. Veterinary toxicology. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:505-512. 1965, pub. 1966. 49.9 Un3R
- 19575 GAJOS, E., LE GARREC, Y., and PILET, C. Attempts at discovering *Brucella* bacteria in animal tissues by the immunofluorescence method. (Pol) *Med. Weter.* 22(9):559-562. Ref. Sept. 1966. 41.8 M463
- 19576 GAILLOUIN, F. Action therapeutique d'un sulfamide semi-retard nouveau, le sulfamoxol [Therapeutic action of a new delayed-action sulfamide, sulfamoxole]. *Alfort. Ecole Nat. Vet. These* 70, 52 p. Ref. 1966. 41.2 AL23
- 19577 GAUSSERES, B. The significance of ammonia in the digestive tract of ruminants. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 6(1):73-92. Ref. 1966. 44.2 An75
English summary.
- 19579 GELPI, A. P. Q fever in Saudi Arabia. *Amer. J. Trop. Med. Hyg.* 15(5):785-798, map. Ref. Sept. 1966. 44.8 Am326
In man and livestock.
- 19579 GENOV, I., and DIMITROV, D. Amylase activity of *Brucella* and *Bacillus mesentericus* under the action of ultrasound and bactericidal substances. (Bu) *Vet. Med. Nauk.* 3(2):133-140. Ref. 1966. 41.8 V6468
English summary.

- 19590 GENOV, I., DIMITROV, D., and SOROKIN, P. Protease activity of the *Brucella*, *Mycobacterium tuberculosis* and *Bacillus anthracis* under the action of sound vibrations, chemicals and bactericides. (Bu) Vet. Med. Nauk. 3(6):617-627. Ref. 1966. 41.8 V6468
English summary.
- 19591 GEYER, H. G. Professional aspects in the projection of trends in veterinary pathological services laboratories. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:477-479. 1965, pub.1966. 49.9 Un3R
- 19592 GHEORGHIU, I., and others. The effect of *Bacillus subtilis* and its cultural filtrate on the vaccinal strain VR 2, on the fixed rabies virus and on the virus H and B1 of the fowl pest vaccines. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrare 2(1):323-332. Ref. 1963, pub.1965. 41.9 R863
L. Nitoiu, M. Stanca, O. Eustafievici, and E. Dinulescu, joint authors.
English summary.
- 19593 GIROUD, P. Gestation troubles caused by rickettsiae and neorickettsiae in human and animal species. (Fr) Rev. Pathol. Comp. 66 (778):358-364. Ref. May 1966. 44.8 R326
English summary.
Includes livestock.
- 19594 GOBEL, F., and KRUGER, G. A contribution to teratology. (Ge) Tierarztl. Umsch. 21(8): 386-388,391. Aug.1,1966. 41.8 T445
- 19595 GONNEAUD, J. P. Contribution à l'étude des avortements provoqués par une intervention semiologique, thérapeutique ou prophylactique [Contribution to the study of abortion caused by the intervention of semiology, therapy, or prophylaxis]. Alfort, Ecole Nat. Vet. These 58, 70 p. Ref. 1965. 41.2 AL23
The use of some drugs or vaccines for diseases during the period of pregnancy.
- 19596 GONZALEZ OVEJERO, L. Treatment of accidental barbiturate poisoning. (Sp) Veterinaria [Madrid] 30(10):589-601. Ref. Oct.1965. 41.8 V6429
- 19597 GRAF, Z., and TAMAS, L. Simple method for the determination of blood clotting time and retraction rate in domestic animals. (Hu) Magyar Allatorv. Lapja 21(8):359-360. Aug. 1966. 41.8 V644
English summary.
- 19598 GRASOVI, C., ISOPESCU, I., and ALBUTIU, V. A study of the increased resistance of the BCA strain (*Lactobacillus acidophilus*) to antibiotics. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrare 2(1):309-321. Ref. 1963, pub. 1965. 41.9 R863
English summary.
- 19599 GRUNDBOECK, M. Suggested symbols for terms used in morphologic hematology. Pulawy. Inst. Weter. Bull. 9(3):87-88. July/Sept.1965. 41.9 P962
- 19590 GUPTA, H. C. Design of mechanical systems for animal research facilities. Air Cond. Heating Ventilating 63(12):51-54. Dec.1966. 291.8 H35
Used for conducting medical experiments.
- 19591 GÜRTLER, H. On the cause and prevention of pasture bloat. (Ge) Monatsh. Veterinarmed. 21(16):632-636. Ref. Aug.15,1966. 41.8 M742
English summary.
- 19592 GURY DOHMENN, E. Eulogy and diatribe on therapeutics. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):245-246,248-250. May/June 1966. 41.8 B86
Veterinary drugs.
- 19593 HAGAN, W. A. Animal health and nutrition. Cornell Vet. 56(2):200-210. Apr.1966. 41.8 C81
- 19594 HAJNOCZKY, L. The situation of instructors of veterinary medicine between 1919 and 1944. (Hu) Magyar Allatorv. Lapja 21(8):372-375. Ref. Aug.1966. 41.8 V644
- 19595 HANSEN, E. L. Axenic helminth cultures and their use for the production of antiparasitic vaccines. N. Y. Acad. Sci. Ann. 139(1):124-142. Ref. Oct.7,1966. 500 N484
Chiefly *Metastrongylidae* and *Trichostrongylidae*, livestock parasites.
- 19596 HEATH, E. H. Leukocyte culture for chromosome analysis. I. Review of the literature. Cornell Vet. 56(3):364-376. Ref. July 1966. 41.8 C81
- 19597 HEDNER, S. Reposition of prolapsus uteri. (Sw) Svensk Veterinartidn. 18(12):379. June 1966. 41.9 Sv23
- 19598 HENDERSHOTT, R. A. The history of regulatory veterinary medicine in the United States. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:1-6. 1965, pub.1966. 49.9 Un3R
- 19599 HOFFMAN, H. How salivary glands regulate growth. New Sci. 31(514):670-671. Sept.22, 1966. 472 N42
Livestock included.
- 19600 HOFMEYER, C. F. B. Progress in veterinary surgery. Veterinarian [Oxford] 4(2):83-95. Aug.1966. 41.8 V6467
Includes history.
- 19601 HOLMES, J. R. Canada—some comments on the Dominion and the organisation of veterinary services. Vet. Rec. 79(10):282-288. Sept.3, 1966. 41.8 V641
- 19602 HOPKINS, C. D. Preventive medicine and the future of the veterinary profession. Veterinarian [Oxford] 3(3):161-176. Sept.1965. 41.8 V6467
Includes discussion.
- 19603 HORST, C. J. G. VAN DER, and BOIS, G. H. W. DE. An investigation into the composition of the ketosteroids occurring in corpora lutea of cows, horses and sows with the aid of dinitrophenylhydrazine. Tijdschr. Diergeneesk. 91 (16):1002-1014. Aug.15,1966. 41.8 T431
English summary.
- 19604 HOWKINS, A. B. Epidemiology of hydatid disease in eastern New South Wales. 2. Incidence in Macropodidae and other possible intermediate hosts. Australian Vet. J. 42(9):313-314. Sept.1966. 41.8 Au72
Includes domestic hosts.
- 19605 HUANG, A. S., GREENAWALT, J. W., and WAGNER, R. R. Defective T particles of vesicular stomatitis virus. I-II. Virology 30(2):161-181. Ref. Oct.1966. 44.8 V81
- 19606 HUFF, C. H. First woman to graduate in veterinary medicine. Tex. Vet. Med. J. 28(4):3. July/Aug.1966. 41.8 T31
- 19607 HURTER, L. R. Some field observations on aflatoxicosis in the Potgietersrus veterinary area. S. Afr. Vet. Med. Ass. J. 37(1):77-78. Mar.1966. 41.8 So8
Mortality due to *Aspergillus flavus* infected peanuts.
- 19608 ILLINOIS UNIVERSITY. COLLEGE OF VETERINARY MEDICINE. Faculty publications for 1965. Ill. Vet. 9(3):119-22. Summer 1966. 41.8 IL62
- 19609 INSTITUTE OF MEDICAL AND VETERINARY SCIENCE. 27th annual report of the council. 1964-65. Adelaide, 1965. 76 p. 44.8 In76
- 19610 IOWA VETERINARY MEDICAL ASSOCIATION. Directory. Iowa Vet. 37(5):25-35. Sept./Oct. 1966. 41.8 Io9
- 19611 JOH, Y., and MAKINO, K. 5-hydroxylation of kynurenine in animals. Experientia 22(9):591-593. Ref. Sept.15,1966. 475 Ex7
- 19612 JOHNSON, J. E., and WARD, G. M. Body composition of live animals as determined by K⁴⁰. I. J. Dairy Sci. 49(9):1163-1165. Sept.1966. 44.8 J822
- 19613 JOUBERT, L. Control of the effectiveness of inactivated foot-and-mouth disease vaccine. (Fr) Rev. Med. Vet. [Toulouse] 29(3):235-239. Mar.1966. 41.8 R32
- 19614 JOWSEY, J. Studies of haversian systems in man and some animals. J. Anat. 100(4):857-864. Ref. Oct.1966. 44.8 J826
Include bones of domestic animals.
- 19615 JUORIO, A. V. The effect of drugs on monoamines and their metabolites in the brain of birds and mammals. J. Physiol. 186(2):70P-72P. Oct.1966. 44.8 J82
- 19616 KESTEVEN, K. V. L. The veterinarian and the world food problem. Vet. Rec. 79(12):332-337. Sept.17,1966. 41.8 V641

- 19617 KIRYUKHIN, R. A., and PASECHNIKOV, L. N. Isolation of foot-and-mouth disease virus from the air expired by infected animals. (Rus) Veterinariya 6:30-31. June 1966. 41.8 V6426
- 19618 KORSBANG, J. Instruction and study technique. (Da) Danske Dyrlægefor. Medlemsbl. 49(20):860-862. Oct.15,1966. 41.9 D23 Veterinary medicine.
- 19619 KRAMER, M. F. Interchangeable veterinarians or differentiation? (Du) Tijdschr. Diergeneesk. 91(19):1201-1206. Oct.1,1966. 41.8 T431 English summary. Training of veterinarians.
- 19620 LASZLO, F. On the prehistoric age of our veterinary teaching. (Hu) Magyar Allatorv. Lapja 21(9):427-428. Sept.1966. 41.8 V644
- 19621 LENGEMANN, F. W. Future uses of radioisotopes in large-animal research. J. Dairy Sci. 49(8):1014-1018. Aug.1966. 44.8 J822
- 19622 LEONARD, E. P. Surgical excision of the anal glands. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:141. 1965. 41.9 Am36
- 19623 LESEL, R. Contribution à l'étude de la biométrie photologique; applications à la clinique chirurgicale vétérinaire [Contribution to the study of photologic biometry; applications in the veterinary surgical clinic]. Alfort. Ecole Nat. Vet. These 51,51 p. Ref. 1966. 41.2 AL23
- 19624 LOMBARD, C. Comparative etiology of liver cancer. (Fr) Rev. Pathol. Comp. 66(778):293-299. Ref. May 1966. 44.8 R326 Includes livestock.
- 19625 LOVE, E. L., PIETZ, D. E., and RANGER, C. R. Effect of storage temperatures on desiccated Brucella abortus strain 19 vaccine. Amer. Vet. Med. Ass. J. 149(9):1177-1182. Ref. Nov.1,1966. 41.8 Am3
- 19626 LUNDHOLM, D. E. Reference laboratories. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:468-470. 1965, pub.1966. 49.9 Un3R
- 19627 LYSO, A. Afلاتوكسينس—a review. Norges Landbruksforsk. Meld. 45(1,1),16 p. Ref. 1966. 104 N762M
- 19628 MACGREGOR, R. The structure of the meat animals; a guide to their anatomy and physiology. Ed. 2, revised by F. Gerard. London, Technical Press, 1965. 240 p. SF761.M3
- 19629 MACHEAK, M. E. Veterinary clostridial biological products: immunizing agents. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:458-461. 1965, pub.1966. 49.9 Un3R
- 19630 MADDY, A. H. The chemical organization of the plasma membrane of animal cells. Int. Rev. Cytol. 20:1-65. Ref. 1966. 44.2 In82 Includes domestic animals.
- 19631 MANN, P. H., BJOTVEDT, G., and WINTER, J. W. Survey of poultry, dogs, cats and monkeys for the presence of Salmonella and Cryptococcus neoformans. Cornell Vet. 56(2):195-199. Ref. Apr.1966. 41.8 C81
- 19632 MANSO RODRIGUEZ, F., and PINEDO SAIZ, L. Actual status of foot-and-mouth disease in Europe; new technical possibilities for the cultivation of foot-and-mouth disease virus in suspensions of trypsinized calf cells. (Sp) Veterinaria [Madrid] 31(5):293-297. May 1966. 41.8 V6429
- 19633 MARTI MORERA, D. A. The professional vocation. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(251):283-285. May 1965. 41.9 C67
- 19634 MARTIN CALAMAR, A. Diagnosis of brucellosis. (Sp) Veterinaria [Madrid] 30(7/8):457-472. July/Aug.1965. 41.8 V6429
- 19635 MARTINI, I. Alexandre Dumas, his excellent salad, and our fees. (It) Nuovo Prog. Vet. 21(12):557-558. June 30,1966. 41.8 P942 Concerning regulations of veterinary practice in Italy.
- 19636 MATTHIAS, D. Application of immunohistology in veterinary pathology. (Ge) Deut. Tierarztl. Wochenschr. 73(17):430-432. Sept.1,1966. 41.8 D482
- 19637 Fluorescent antibody technique in diagnosis of rabies, distemper virus and Leptospirae. MAYFIELD, E. D. Acetate metabolism in ruminant tissues. Diss. Abstr., Sect. B, 27(3):651B. Sept.1966. Z5055,U49D53
- 19638 MCCRADY, J. D., CLARK, D. R., and SZABUNIEWICZ, M. Clinical use of the electrocardiogram in animals. III. Vet. Med./Small Anim. Clin. 61(10):973-979. Oct. 1966. 41.8 M69
- 19639 MCILWAIN, P. K., and others. Occurrence of Listeria monocytogenes in the brains of wild and domestic animals. Amer. J. Vet. Res. 27(120):1497-1499. Sept.1966. 41.8 Am3A
- 19640 MCNAIRY, S. A. Chemical and biological properties of alfalfa-top saponins and mineral aspects of blood. Diss. Abstr., Sect. B, 27(2):388B-389B. Aug.1966. Z5055,U49D53
- 19641 MEDWAY, W. Some blood constituents: their detection and interpretation. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:190-195. 1965. 41.9 Am36
- 19642 MEDZIHRADESKY, F., and LAMPRECHT, W. Metabolic research with acetic, lactic, and citric acid. II. Distribution of added acetic and citric acid in animal bodies. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 131(4):221-225. Ref. 1966. 384 Z39
- 19643 MEHES, GY., and others. Numerical and percentage data on some contagious and parasitic diseases occurred at our slaughterhouses in the years 1962-1964. (Hu) Huspari 15(5):209-222. Ref. Sept./Oct.1966. 50.8 H95 Gy. Kazar, V. Gyimesi, and M. Fustos, joint authors. English summary.
- 19644 MELLO, P. A. DE. Vaccine against foot-and-mouth disease and its evolution. (Por) Biologico 31(2):32-37. Ref. Feb.1965. 44.2 B529
- 19645 MICHELAT, J. Observations on veterinary obstetrics. VII. Outline of comparative obstetrics. (Fr) Rec. Med. Vet. 142(8):773-777. Aug.1966. 41.8 R24 English summary.
- 19646 MIEDZOBRODZKI, K., BAK, T., and LEWAN-DOWSKI, L. Plant intoxications of animals in Poland in the years of 1945-1961. (Pol) Wroclaw. Wydział Szkoła Roln. Zeszyty Nauk. Weter. 17:117-128. Ref. 1964. 41.9 B753 English summary.
- 19647 MIERZEJEWSKI, J. Cultural and toxic properties of the Nerz strain of Clostridium botulinum, type C. I-II. (Pol) Pol. Arch. Weter. 9(4):617-636. Ref. 1966. 41.8 P76 English summary. Used for the production of vaccine against botulism in animals.
- 19648 MIKEL, C. J. Regulatory and disease programs. Ga. Vet. 18(4):4-7. July/Aug.1966. 41.8 G29
- 19649 MIKHAILOVA, O. S. Regularities of distribution, accumulation and excretion of trichloro-metaphos-3 from animal organism. (Rus) Veterinariya 6:108-109. June 1966. 41.8 V6426
- 19650 MILLER, E. B. Documentary history of the Army Veterinary Service: 1776-1965. Ill. Vet. 9(1):11-12,14-16. Ref. Winter 1966. 41.8 IL62
- 19651 MIRTS, G. The efficacy of thiabendazole as an anthelmintic. Mo. Vet. 15(3):14-15. Ref. June 1966. 41.8 V6444
- 19652 MISTRY, S. P. Relationship between biotin deficiency and carbohydrate metabolism in animals. III. Res. 8(4):18. Fall 1966. 100 IL64
- 19653 MOHAN, R. N., and PATHAK, R. C. Prevalence of anaplasmosis in ruminants in northern India. Indian Vet. J. 43(8):685-689. Aug.1966. 41.8 In2
- 19654 MORGAN, H. C. Blood parasites: cellular. X. Vet. Med./Small Anim. Clin. 61(10):926-927, 930-931. Oct.1966. 41.8 M69
- 19655 MORGAN, H. C. Clinical evaluation of the blood smear. Vet. Med./Small Anim. Clin. 61(8):733,736-738. Aug.1966. 41.8 M69
- 19656 MORGAN, H. C. White cell counting and estimation methods. Vet. Med./Small Anim. Clin. 61(6):524-525,528-530. June 1966. 41.8 M69
- 19657 MORGAN, P. M. Veterinary medicine and human malnutrition. Southern Vet. 3(9):6,8. Sept.1966. 41.8 S083

- 19659 MORIN, J. Clinical trials of a new spasmolytic, N,N-dimethyl-C-(3 phenylpropyl)-3,4-dimethoxy-benzylamine-hydrochloride. (Fr) Soc. Vet. Prat. France. Bull. Mens. 50(4):200-202. Apr. 1966. 41.9 So12
Also called Parbutan, and RU/104; chiefly its use for toning of the uterus.
Includes discussion.
- 19659 MORNET, P., QUINCHON, C., and EYCHENNE, G. Economic incidence from infectious diseases. (Fr) Econ. Med. Anim. 7(2):84-93. Mar./Apr. 1966. 41.8 Ec7
- 19660 MORRIS, M. L., and NEWBERNE, P. M. Cells in disease. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:185-189. 1965. 41.9 Am36
- 19661 MUNTU, N., and others. On the duration and preservation of immunity of the mono- and bivalent saponin-treated foot-and-mouth disease vaccine. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):23-30. Ref. 1963, pub. 1965. 41.9 R963
V. Dohotaru, A. Bercan, I. Sava, I. Marinescu, P. Bojoi, and A. Tomescu, joint authors.
English summary.
- 19662 MUNTU, N., and others. Study of the production of a foot-and-mouth disease vaccine from the local virus strains adapted to kidney cell cultures. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):3-12. Ref. 1963, pub. 1965. 41.9 R863
V. Dohotaru, M. Popa, A. Bercan, and I. Sava, joint authors.
English summary.
- 19663 MURTAZIN, I. F. Application of fluorescent antibody technique to study of oncogenic viruses. (Rus) Veterinariya 6:15-17. Ref. June 1966. 41.8 V6426
Review of literature.
- 19664 NACHREINER, R. F. Accidental intra-arterial injection. Iowa State Univ. Vet. 28(1):19-21. Ref. 1966. 41.9 V6425
- 19665 NAVARRO GOMEZ, F. Hormonal stimulants in animal production. (Sp) Veterinaria [Madrid] 30(10):611-627. Oct. 1965. 41.8 V6429
- 19666 NAVARRO GOMEZ, P. Toxoplasmosis. (Sp) Veterinaria [Madrid] 30(11):681-692. Nov. 1965. 41.8 V6429
- 19667 NAWROCKI, J. West Africa and its veterinary problems. (Pol) Med. Weter. 22(4):244-247. Apr. 1966. 41.8 M463
- 19669 NELLOR, J. E., and BROWN, J. E. Leucocyte-like cells of the vagina and uterus, and their modification during the normal estrous cycle and by progesterin and estrogen treatment. Anat. Rec. 155(4):591-598. Ref. Aug. 1966. 447.8 An1
Cattle, sheep and swine.
- 19669 NESTOR, I. A mutant of *Bacillus anthracis* displaying the morphology of a grampositive coccus, obtained in the presence of specific bacteriophage. (Fr) Arch. Roumaines Pathol. Exp. Microbiol. 25(2):383-391. June 1966. 448.3 Ar22
English summary.
- 19670 NETTO, L. P., and others. Survey of the incidence of foot-and-mouth disease in Sao Paulo during 1965. (Por) Biologico 32(6):131-133. June 1966. 442.8 B529
A. A. Pinto, O. Suga, and J. R. July, joint authors.
English summary.
- 19671 NICOLAI, J. H. Endocrine effects on isolated pararenal bovine, ovine and porcine fat cells. Diss. Abstr., Sect. B, 27(4):1040B. Oct. 1966. Z5055.U49D53
- 19672 NIEMEYER, H. Highest number inspected and the least time spent in meat investigation. (Ge) Arch. Lebensmittelh. 17(7):150-153. July 1966. 41.8 L49
By veterinarians.
- 19673 NIKOLAEV, A. V., and USTIMENKO, L. I. Rapid determination of TMTD by means of drop method on silica gel. (Rus) Veterinariya 6:59-60. June 1966. 41.8 V6426
In contents of stomach, crop and in feed.
- 19674 NIKOLITSCH, M. Rabies—aspects of the history of the disease and its mode of transmission. Blue Book Vet. Prof. 10:7-12. 1965. 41.9 R61Ae
- 19675 NILSSON, M. R., and SUGAY, W. Rabies diagnosis; comparative study of Negri bodies and the mouse inoculation test. (Por) Sao Paulo. Inst. Biol. Arq. 33(1):11-16. Ref. Jan./Mar. 1966. 442.9 Sa6
English summary.
Livestock.
- 19676 OEHME, F. W. Copper toxicity in ruminant animals. Southwest. Vet. 19(4):295-301. Ref. Summer 1966. 41.8 So82
- 19677 OLCESSE, M. R. Foot-and-mouth disease and man. (Sp) Indus. Lactes 15(9):16. Sept. 1966 286.85 In83
- 19678 OLIVEIRA DE PODESTA, J. C. D'. Injectable magnesium; considerations for its major therapeutic use. (Sp) Gac. Vet. 28(194):375-384. Ref. Sept. 1966. 41.8 G112
- 19679 OLSSON, S. E. A multipurpose X-ray unit for veterinary use. Amer. Vet. Radiol. Soc. J. 6: 82-94. 1965. 41.9 Am37
- 19680 OLSSON, S. E. The use of image intensifier and cine fluoroscopy in veterinary radiology. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:28-31. 1965. 41.9 Am36
- 19681 OSBORNE, H. G. Pastoral veterinary practice in Queensland and adjacent tropical territories. Australian Vet. J. 42(10):374-379. Oct. 1966. 41.8 Au72
Includes teaching facilities of the Dept. of Veterinary Clinical Studies of the University of Queensland and the British Solomon Islands Protectorate.
Discussion, p. 380.
- 19682 OSMAN, F. B. Recherche par coproculture des enterobacteries pathogenes hebergees par les oiseaux migrateurs; interet epidemiologique [Research by coproculture on pathogenic enterobacteria carried by migratory birds; epidemic interest]. Alfort. Ecole Nat. Vet. These 59, 42 p. Ref. 1965. 41.2 A134
Chiefly *Salmonella* transmission to livestock.
- 19683 PALACIOS, C. The Center of Veterinary Investigations, 1960-1965. (Sp) Rev. Vet. Venezolana 20(115):97-119. Feb. 28, 1966. 41.8 R3226
- 19684 PANDEY, M. D., and ROY, A. Vitamin A and carotene status of domestic ruminants and the effect of seasons on vitamin A storage in buffa loes. Indian Vet. J. 43(7):613-621. Ref. July 1966. 41.8 In2
- 19685 PANTALEON, J. Public health problems created by the use of antibiotics in the treatment and nutrition of animals. (Fr) Rec. Med. Vet. 142(8):743-772. Ref. Aug. 1966. 41.8 R24
English summary.
- 19686 PAPP, L. Laparoscopic investigations on small animals. (Hu) Magyar. Allatorv. Lapja 21(9):396-399. Ref. Sept. 1966. 41.8 V644
English summary.
On dogs, cats and swine.
- 19687 PARKIN, J. C. Fifty years of veterinary medicine at Texas A&M University. Southwest. Vet. 19(4):262-267, map. Summer 1966. 41.8 So82
- 19689 PATNAIK, B. Stephanofilariasis in animals. Indian Vet. J. 43(8):761-762. Aug. 1966. 41.8 In2
- 19689 PAVLOV, P. Problems of veterinary parasitology. (Bu) Vet. Med. Nauk. 3(5):467-471. 1966. 41.8 R468
- 19690 PEREZ Y PEREZ, F. Epidemiology and clinical pathology of brucellosis in cattle, goats and man. (Sp) Veterinaria [Madrid] 30(7/8):437-445. July/Aug. 1965. 41.8 V6429
- 19691 PICHARD, R. Clinical test of an injectable anesthetic, Methohexital. (Fr) Soc. Vet. Prat. France. Bull. Mens. 50(1):33-49. Ref. Jan. 1966. 41.9 So12
Includes discussion.
- 19692 PIERSIMONI, P. The place and responsibility of the veterinary inspector in the reports of the Joint FAO/WHO Committee on Meat Sanitation. (It) Vet. Ital. 17(7/8):416-420. July/Aug. 1966. 41.8 C87
- 19693 PINEDO SAIZ, L. Animal dermatomycoses as zoonoses and the origin of disease in man. (Sp) Veterinaria [Madrid] 31(7/8):437-459. Ref. July/Aug. 1966. 41.8 V6429

- 19694 PINEDO SAIZ, L. Contribution to the system-
atic and legal study of zoonosis in Spain. (Sp)
Veterinaria [Madrid] 31(5):299-302. May 1966.
41.8 V6429
- 19695 PIPANO, E. Piroplasmosis—a review. Refuah
Vet. 23(1):52-47. (Concl.) Mar. 1966.
41.8 R25
Text also in Hebrew.
- 19696 POPESCU, A. Study of the multiplication of
the virus of Aujeszky's disease in the cell
culture medium treated with trypsin. (Rum) Rum.
Inst. Cercet. Vet. Bioprep. "Pasteur." Lucra-
rile 2(1):143-155. Ref. 1963, pub. 1965.
41.9 R863
English summary.
- 19697 POPESCU, A. The use of trypsin-treated cell
culture technique in the preparation of a high
titre of Aujeszky disease antiserum. (Rum)
Rum. Inst. Cercet. Vet. Bioprep. "Pasteur."
Lucrarile 2(1):157-167. Ref. 1963, pub. 1965.
41.9 R863
English summary.
- 19699 PRICE, A. A. 50 years and veterinary medical
education. Tex. Vet. Med. J. 28(2):2, 19, 27-28.
Mar./Apr. 1966. 41.8 T31
Includes requirements of Texas A and M
University, College of Veterinary Medicine.
- 19699 PRICE, A. A. Referrals: opportunities and
responsibilities. Tex. Vet. Med. J. 28(4):2, 15.
July/Aug. 1966. 41.8 T31
- 19700 PRITCHARD, W. R. Increasing protein foods
through improving animal health. Nat. Acad.
Sci. Proc. 56(2):360-369. Ref. Aug. 15, 1966.
500 N21P
Livestock disease control and milk, meat and
egg production.
- 19701 PUMAROLA, A. Leptospirosis in Spain.
(Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23
(260):69-80. Feb. 1966. 41.9 C67
- 19702 REKIB, A., and SADHU, D. P. Transamination
and heat increment in ruminants. Cur. Sci. 35
(13):337-338. July 5, 1966. 475 Sci23
Metabolism.
- 19703 RIERA PLANAGUMA, S. Shock, collapse,
syncope. (Sp) Col. Ofic. Vet. Prov. Barcelona.
An. 23(259):3-22. Jan. 1966. 41.9 C67
Circulatory failure.
- 19704 RIETH, H., and RETAI, M. Animal mycoses—
the tasks and responsibilities of veterinary
medicine. Blue Book Vet. Prof. 10:13-20.
1965. 41.9 B61Ae
- 19705 ROCA TORRAS, J. Teaching and specialties
in veterinary medicine. (Sp) Col. Ofic. Vet.
Prov. Barcelona. An. 23(265):391-397. July
1966. 41.9 C67
- 19706 ROCH U., E., and VARELA, G. Different as-
pects of toxoplasmosis in Mexico; results ob-
tained from 29883 Savin-Feldman tests from
1953 to 1965. (Sp) Rev. Invest. Salud Publica
26(1):31-49. Ref. Jan./Mar. 1966.
449.9 M572
English summary.
Includes livestock.
- 19707 ROENIGK, W. J. Gastroenteric contrast radi-
ography. Amer. Anim. Hosp. Ass. Proc., 32th
Annu. Meeting:206-213. 1965. 41.9 Am36
- 19708 ROF CODINA, J. Veterinary medicine and its
masters. XIII. In May, France commemorates
one of the notable works of Pasteur. (Sp) Veteri-
naria [Madrid] 30(7/8):478-480. July/Aug.
1965. 41.8 V6429
Anthrax vaccine, first used in May 1871.
- 19709 ROGERS, W. P. Reversible inhibition of a re-
ceptor governing infection with some nema-
todes. Exp. Parasitol. 19(1):15-20. Ref. Aug.
1966. 436.8 Ex7
Stomach worms.
- 19710 ROSE, G. W., EVELAND, W. C., and ELLING-
HAUSEN, H. C. Mechanisms of tissue cell
penetration by *Leptospira pomona*; active pene-
tration studies in vitro. Amer. J. Vet. Res. 27
(120):1461-1471. Ref. Sept. 1966. 41.8 Am3A
- 19711 ROTT, R., and others. Blood group substances,
Forssman and mononucleosis antigens in lipid-
containing RNA viruses. Arch. Gesamte Virus-
forsch. 19(3):273-288. Ref. 1966. 448.3 Ar23
R. Drzeniek, M. S. Saber, and E. Reichert,
joint authors.
Observed in livestock.
- 19712 RUDY, R. L. Useful surgical procedures.
Amer. Anim. Hosp. Ass. Proc., 32th Annu.
Meeting:143-144. 1965. 41.9 Am36
- 19713 RUIZ MARTINEZ, C. The actual situation of
foot-and-mouth disease and the manner of con-
trolling it in Europe, Asia, and Africa. (Sp)
Rev. Vet. Venezolana 19(109):89-118. Aug. 31,
1965. 41.8 R3226
- 19714 RUIZ MARTINEZ, C. The need to introduce
modifications in the sanitary legislation. I-II.
(Sp) Rev. Vet. Venezolana 20(116):167-187.
Mar. 31, 1966. 41.8 R3226
From the veterinary point of view.
- 19715 RZEKSKI, J. The role of veterinary service in
the defense of the country. (Pol) Med. Weter.
22(4):240-242. Apr. 1966. 41.8 M465
- 19716 SÁIZ MORENO, L. Granulomas of helminthic
origin. (Sp) Veterinaria [Madrid] 30(6):365-
377. June 1965. 41.8 V6429
- 19717 SARAZA ORTIZ, R. The past, present and fu-
ture of veterinary faculties. (Sp) Col. Ofic.
Vet. Prov. Barcelona. An. 22(258):679-707.
Dec. 1965. 41.9 C67
Includes discussion.
- 19719 SCHILF, E. A. Status of State-Federal Brucel-
losis Eradication Program. U. S. Livestock
Sanit. Ass. Proc., 69th Annu. Meeting:131-140,
map. 1965, pub. 1966. 49.9 Un3R
- 19719 SCHREITER, H. The practical veterinary
profession in figures. (Ge) Prakt. Tierarzt
47(10):539-541. (Cont.) Oct. 1, 1966. 41.8 P882
- 19720 SCHULTZE-PETZOLD, H. The course and
experiences of foot-and-mouth disease cases
of 1965/66 in the German Federal Republic.
(Ge) Tierarzt. Umsch. 21(6):379-382, 385-386.
Aug. 1, 1966. 41.8 T445
- 19721 SEFFER, M., DINCOULESCO, M., and SULICA,
A. Toxicity of *Leptospira* on tissue cultures
in vitro. (Fr) Arch. Roumaines Pathol. Exp.
Microbiol. 25(2):435-440. June 1966.
448.3 Ar22
English summary.
- 19722 SELLERS, A. F., and STEVENS, C. E. Motor
functions of the ruminant forestomach. Phys-
iol. Rev. 46(4):634-661. Ref. Oct. 1966.
447.8 F563
- 19723 SEROV, V. M. Use of paper chromatography for
identification of alkaloids. (Rus) Veterina-
riya 6:61-62. June 1966. 41.8 V6426
In animal carcasses in relation to poisoning.
- 19724 SERRANO TOME, V. Veterinary medicine and
its masters. XII. J. B. A. Chauveau. (Sp) Veteri-
naria [Madrid] 30(5):323-325; (6):389-391.
May—June 1965. 41.8 V6429
- 19725 SERRANO TOME, V. Veterinary medicine and
its masters. XIV. Danish veterinarians. (Sp)
Veterinaria [Madrid] 30(9):553-555; (10):629-
631; (11):693-695. Sept.—Nov. 1965.
41.8 V6429
C. O. Jensen, J. Schmidt, and B. Bang.
- 19726 SERRANO TOME, V. Veterinary medicine and
its masters. XV. Gaston Leon Ramon. (Sp)
Veterinaria [Madrid] 30(12):769-771; 31(1):31-
33; (2):105-107. Dec. 1965-Feb. 1966.
41.8 V6429
- 19727 SERRANO TOME, V. Veterinary medicine and
its masters. XVI-XIX. (Sp) Veterinaria [Ma-
drid] 31(3):181-183; (5):317-320; (6):381-383;
(7/8):461-463; (9):529-531. Mar., May-Sept.
1966. 41.8 V6429
XVI, John Boyd Dunlop, inventor of the tire;
XVII, Saturnino Arloing versus Robert Koch;
XVIII, The long, rich life of Griffith Evans;
XIX, The Bouley family (H. C., J. F., and H. M.
Bouley).
- 19729 SHALASH, M. R., MURSI, H., and SHARAF,
A. Effect of individual hormones on Brucella
abortus. (Bu) Vet. Med. Nauk. 3(1):11-15.
1966. 41.8 V6468
English summary.
- 19729 SHESTOCHENKO, M. A. Luminescent micro-
scopy in the case of virus infections. (Rus)
Veterinariya 6:12-15. Ref. June 1966.
41.8 V6426
Review of literature.
- 19730 SHREDER, V. N. Fiziologiya i biokhimiya
vozniknoveniya i regulyatsii pola u zhivotnykh
[Physiology and biochemistry of formation and
regulation of sex in livestock]. Moskva, Nauka,
1965. 138 p. Ref. QP251.85

- 19731 SIPPEL, W. L. Veterinary diagnostic laboratory personnel qualifications and budget. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:471-473. 1965,pub.1966. 49.9 Un3R
- 19732 SMITH, C. R., and HAMLIN, R. L. Liver dysfunction; ascites and the liver. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:86-89. 1965. 41.9 Am36
- 19733 SMITH, H. A., and JONES, T. C. Veterinary pathology. Ed. 3. Philadelphia, Lea and Febiger, 1966. 1192 p. Ref. SF769.86
- 19734 SMITH, J. P. Parasiticides, pesticides and insecticides: friend or foe. Southwest. Vet. 19(2):125-127. Winter 1966. 41.8 So82
- 19735 SOLOSHENKO, I. Z., and SEMENOVA, L. P. The level of antibody titre in animals, carriers of Leptospira. (Rus) Veterinariya 6:39-40. June 1966. 41.8 V6426
- 19736 STALHEIM, O. H. V. Some aspects of leptospirosis control. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:170-174. 1965,pub. 1966. 49.9 Un3P
Review of the literature.
- 19737 STAMATIN, N. Significance of the investigations by J. Bordet and M. Ciucu (1920-1922) in the development of the knowledge on phages. (Fr) Arch. Roumaines Pathol. Exp. Microbiol. 25(2):350-354. June 1966. 44.8 3Ar22
English summary.
- 19739 STARTUP, F. G. Subconjunctival injections. J. Small Anim. Pract. 6(5):363-366. Oct.1965. 41.8 J8292
- 19739 STEELE, J. H., and GALTON, M. M. Salmonellosis. Amer. Vet. Med. Ass. J. 149(8): 1079-1080. Oct.15,1966. 41.8 Am3
- 19740 STERNE, M. Clostridiosis in animals and its diagnosis by immunofluorescence. (Sp) Gac. Vet. 28(194):385-393. Sept.1966. 41.8 G112
Includes discussion.
- 19741 STOKER, M. Viral carcinogenesis. Endeavour 25(96):119-123. Sept.1966. 472 En2
Includes animals.
- 19742 SYMPOSIUM SUR LES BACTERIOPHAGES ET LES PHENOMENES DE BACTERIOPHAGIE, 2, BUCHAREST 1965. [Papers]. (Fr) Arch. Roumaines Pathol. Exp. Microbiol. 25(2):273-402. June 1966. 44.8 3Ar22
Includes bacterial diseases of animals.
- 19743 SZYFRES, B., and TOME, J. G. Natural Brucella infection in Argentine wild foxes. World Health Organ. Bull. 34(6):919-923. Ref. 1966. 44.9 W832B
Includes possible transmission to livestock.
- 19744 TARCZYNSKI, S., and SZEPELSKI, L. Zoo-hygienic aspects of combatting fascioliasis of ruminants in the Warmian and Masurian Provinces. I. Analysis of environmental conditions and their effect on the spread of invasion of Fasciola hepatica. (Pol) Med. Weter. 22(9): 513-517, map. Ref. Sept.1966. 41.8 M463
- 19745 TASKER, J. B. Electrolyte therapy in gastrointestinal disease. Vet. Med./Small Anim. Clin. 61(8):765-772,776. Aug.1966. 41.8 M69
- 19746 TASKER, J. B. Practical hematology. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 271-285. 1965. 41.9 Am36
- 19747 TASSI, P. Modern orientation on classification of viruses. (It) Zooprofilassi 21(5):247-272. May 1966. 41.8 Z72
English summary, p.292.
Animal viruses.
- 19749 TEMBROCK, G. Physiological bases of sound production in animals. (Ge) Experientia 22(9): 561-572. Ref. Sept.15,1966. 475 Ex7
English summary.
- 19749 TERBLANCHE, M., and others. Further studies of the toxicology of Lasiosiphon buchellii Meisn. (harpis bos). S. Afr. Vet. Med. Ass. J. 37(2):185-189. June 1966. 41.8 So8
M. J. Pieterse, T. F. Adelaar, and J. D. Smit, joint authors.
- 19750 TERBLANCHE, M., and others. A toxicological study of the plant Sesbania punicea Benth. S. Afr. Vet. Med. Ass. J. 37(2):191-197. Ref. June 1966. 41.8 So8
W. A. De Klerk, J. D. Smit, and T. F. Adelaar, joint authors.
- 19751 TERESZCZUK, S. Attempts to classify the inland strains of Pasteurella multocida into the antigenic groups according to their immunobiological properties. Pulawy. Inst. Weter. Bull. 9(3):91-96. Ref. July/Sept.1965. 41.9 P962
From livestock.
- 19752 TERESZCZUK, S., and GOSIEWSKA, A. Attempts to estimate the immunogenic value of some inland strains of Salmonella and Escherichia coli. Pulawy. Inst. Weter. Bull. 9(4):157-161. Ref. Oct./Dec.1965. 41.9 P962
- 19753 TESINK, J. Air pollution and its consequences for man, animal and plant. (Du) Tijdschr. Diergeneesk. 91(16):1015-1031. Ref. Aug.15, 1966. 41.8 T431
English summary.
- 19754 TESINK, J. Legislation about prevention and/or restriction of air-pollution. (Du) Tijdschr. Diergeneesk. 91(21):1349-1355. Ref. Nov.1.1966. 41.8 T431
English summary.
Includes effects on animals and plants.
- 19755 TITAN, V. High titre virulent fluids obtained by the multiplication of foot-and-mouth virus on secondary trypsin-treated kidney cell cultures. (Rum) Ru. Inst. Cercet. Vet. Vioprep. "Pasteur." Lucrarile 2(1):13-22. Ref. 1963, pub.1965. 41.9 R863
English summary.
- 19756 TOURNUT, J. Animal reactions, chief causes and diseases control. (Fr) Econ. Med. Anim. 7(3):161-173. May/June 1966. 41.8 Ec7
- 19757 TOURNUT, J. Problems posed by the pathology of young animals for the organization of modern care. (Fr) Econ. Med. Anim. 7(2):95-98. Mar./Apr.1966. 41.8 Ec7
- 19759 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. Constitution and by-laws. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 51-58. 1965,pub.1966. 49.9 Un3R
UNITED STATES LIVESTOCK SANITARY ASSOCIATION. Proceedings, sixty-ninth annual meeting, Lansing, Michigan, October 25-29, 1965. Ann. Arbor, Michigan, 1966. 556 p., map. Ref. 49.9 Un3P
- 19760 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON ANIMAL VIRUS CHARACTERIZATION. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:101-103. 1965,pub.1966. 49.9 Un3R
A. J. Kniazeff, chairman.
UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON BIOLOGICS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:109-110. 1965,pub.1966. 49.9 Un3R
R. P. Hanson, chairman.
- 19761 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON FOREIGN ANIMAL DISEASES. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:35-38. 1965,pub.1966. 49.9 Un3R
F. D. Maurer, chairman.
- 19763 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON LAWS AND REGULATIONS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:284-286. 1965,pub.1966. 49.9 Un3R
G. B. Rea, chairman.
Livestock quarantine and health regulations; includes meat inspection.
- 19764 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON LEPTOSPIROSIS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:175-176. 1965,pub.1966. 49.9 Un3R
M. J. Twiehaus, chairman.
- 19765 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON MEAT AND MILK HYGIENE. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:40-44. 1965,pub.1966. 49.9 Un3R
W. E. Jennings, chairman.
Livestock inspection for disease.

- 19766 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON PARASITIC DISEASES AND PARASITES. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:290-293, map. 1965, pub. 1966. 49.9 Un3R
F. R. Koutz, chairman.
- 19767 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON PHARMACEUTICALS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:301-302. 1965, pub. 1966. 49.9 Un3R
H. G. Geyer, chairman.
- 19768 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON PROGRAM AND POLICY. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:74-84. 1965, pub. 1966. 49.9 Un3R
C. L. Campbell, chairman.
Special consideration to livestock disease eradication and livestock quarantine.
- 19769 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON PUBLIC HEALTH AND RADIOLOGICAL FALLOUT. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:331-336, map. 1965, pub. 1966. 49.9 Un3R
R. H. Huffaker, chairman.
Includes radioactive fallout and its effects on livestock and food products of animal origin.
- 19770 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON RABIES. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:59-66, map. 1965, pub. 1966. 49.9 Un3R
O. D. Dye, chairman.
- 19771 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON RESOLUTIONS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:67-69. 1965, pub. 1966. 49.9 Un3R
T. J. Grennan, chairman.
Resolutions concerning livestock disease control.
- 19772 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON STOCKYARDS, MARKETS AND TRANSPORTATION. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:65-66. 1965, pub. 1966. 49.9 Un3R
D. A. McGill, chairman.
Important in disease control.
- 19773 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON TUBERCULOSIS AND PARATUBERCULOSIS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:444-449. 1965, pub. 1966. 49.9 Un3R
J. G. Flint, chairman.
Emphasis on eradication.
- 19774 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, REPRESENTATIVES TO THE ANNUAL MEETING OF THE NATIONAL ASSOCIATION OF STATE DEPARTMENTS OF AGRICULTURE. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:45-47. 1965, pub. 1966. 49.9 Un3R
G. S. Kaley and E. L. Brower, representatives.
On control of livestock infectious diseases.
- 19775 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 15, parasite-subject catalogue: hosts, by J. M. Humphrey and D. B. Segal, with the assistance of M. I. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 149 p. 1 An5Ind
Includes insects.
- 19776 U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Opportunities for doctors of veterinary medicine in USDA. U. S. D. Misc. Publ. 1014.4 p. June 1966. 1 Ag84M
- 19777 VACCARI, I., and BALLARINI, G. Modern observations, and prospects for research, on pathology of migratory animals. (It) Zooprofilassi 21(5):225-244. Ref. May 1966. 41.8 Z72
English summary, p.292.
Importance in disease transmission.
- 19778 VASHKEVICH, R. B. Strength and duration of immunity in reindeer inoculated with the strain 19 vaccine. (Rus) Veterinariya 6:40-43. June 1966. 41.8 V6426
Brucellosis.
- 19779 VECKENSTEDT, A., and HANTSCHER, H. Biological properties of virus strains reproduced from ribonucleic acid, neutrophilic foot-and-mouth disease virus mutants. (Ge) Arch. Exp. Veterinarmed. 20(3):561-587. Ref. June 1966. 41.8 Ex7
- 19780 VERSTER, A. Cysticercosis, hydatidosis and coenuriasis in the Republic of South Africa. S. Afr. Vet. Med. Ass. J. 37(1):37-45, map. Mar. 1966. 41.8 So3
- 19781 VETERINARY SERVICES COUNCIL. Proceedings of the eighteenth annual conference, held in Christchurch, May 17, 1966. Wellington, 1966. 23 p. 41.9 V647
Includes presentation of the Allan Leslie Award to F. Parsons and A. Linton, p.17-18.
- 19782 VICARD, A. Brucellosis and epizootic abortion. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(6):230-236. June 1965. 41.9 So12
- 19793 VILLEGAS DELGADO, M. Annual informative report of the Fifth Pan American Congress of Veterinary Medicine and Zootechnics presented before the Fifth Assembly of the College of Veterinarians. (Sp) Rev. Vet. Venezolana 19 (109):119-131. Aug. 31, 1965. 41.8 R3226
Report of the Organizing Committee.
- 19784 WACHENDORFER, G. Fluorescein labelled antibody in the diagnosis of virus disease exemplified on rabies model. (Ge) Deut. Tierärztl. Wochenschr. 73(18):446-452. (Cont.) Sept. 15, 1966. 41.8 D482
- 19785 WALKER, J. W., and ELLIS, E. M. Salmonella reservoirs in animals and feeds. Amer. Vet. Med. Ass. J. 149(8):1080-1082. Oct. 15, 1966. 41.8 Am3
- 19786 WATKO, L. P. A chemically defined medium for growth of *Pasteurella multocida*. Can. J. Microbiol. 12(5):933-937. Oct. 1966. 44.8 C162
- 19787 WEDMAN, E. E., and KITCHELL, R. L. Iowa State University's College of Veterinary Medicine review and assessment. Iowa Vet. 37(6): 6-13, 18-20, map. Nov./Dec. 1966. 41.8 Io9
- 19789 WEIDE, K. D. A projection of trends and requirements in veterinary medical laboratories; services and facilities. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:462-467. 1965, pub. 1966. 49.9 Un3R
- 19789 WHITEHEAD, J. E. Criteria for median sternotomy. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:19. 1965. 41.9 Am36
For repair of diaphragmatic hernia.
- 19790 WHITEHEAD, J. E. Criteria for thoracic approach. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:16. 1965. 41.9 Am36
For repair of diaphragmatic hernia.
- 19791 WHITEHEAD, J. E. Diaphragmatic hernia repair. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:14. 1965. 41.9 Am36
- 19792 WIERCINSKI, J. Modification and adaptation of Stojanovic's method of determining copper in small quantities of serum. (Pol) Med. Weter. 22(9):564-565. Ref. Sept. 1966. 41.8 M463
- 19793 WIESNER, E., and BERSCHNEIDER, F. Reflections on the problem of nutritional lesions of animals. (Ge) Monatsh. Veterinarmed. 21 (14):537-541. July 15, 1966. 41.8 M742
English summary.
Feed toxicity, nutritional deficiency and faulty feeding.
- 19794 WILLIAMS, R. T. Biochemical toxicology. III. Vet. 9(3):8-13. Summer 1966. 41.8 IL62
- 19795 WOJACZEK-STEFKE, E. On the supposed role of Muridae in the spread of rabies. (Ge) Monatsh. Veterinarmed. 21(16):626-631. Ref. Aug. 15, 1966. 41.8 M742
English summary.

- 19796 WROCLAW, WYZZSA SZKOLA ROLNICZA. WYDZIAŁ WETERYNARYJNY. Bibliography of the papers of scientific workers of the College of Agriculture Veterinary Department in Wrocław for the year 1963, compiled by J. Obminska. (Pol) Wrocław, Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 17:129-153. 1964. 41.9 B753
- 19797 WULFSOHN, N. L., and POOLE, J. D. H. Electrical anaesthesia. S. Afr. Vet. Med. Ass. J. 37(2):107-110. Ref. June 1966. 41.8 S08
- 19799 YANAGAWA, R., and FAINE, S. Morphological and serological analysis of leptospiral structure. Nature [London] 211(5051):823-826. Ref. Aug. 20, 1966. 472 N21
Of Leptospira icterohemorrhagiae.
- 19799 YOUNG, M. Problems of urban practice. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 22-27. 1965. 41.9 Am36
In England.
- 19800 YUGI, H., HATAKEYAMA, H., and NEMOTO, H. Studies on complement fixing antigen of Johne's disease. I-II. Tokyo. Nat. Inst. Anim. Health Quart. 6(3):152-177. Ref. Fall 1966. 41.9 T575Q
- 19831 ZAGORODNOV, M. V., and others. Effect of prolongators on effectiveness of hyperimmune foot-and-mouth disease serum. (Rus) Veterinariya 6:18-19. June 1966. 41.8 V6426
G. A. Mustafaev, V. A. Shapkin, and E. B. Elagina, joint authors.
Aluminum hydroxide and saponin.
- 19832 ZARZUELO, E. Immunity in helminthiasis. (Sp) Veterinaria [Madrid] 31(3):165-174. Ref. Mar. 1966. 41.8 V6429
Includes antibodies and immunization.
- 19833 ZONTINE, W. J. Screening laboratory procedures. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 239-242. 1965. 41.9 Am36
- MISCELLANEOUS**
- 19834 AMERICAN SOCIETY OF ANIMAL SCIENCE. MIDWESTERN SECT. Abstracts of papers to be presented at the meeting November 25 and 26, 1966, Chicago, Illinois. J. Anim. Sci. 25(4):1241-1280. Nov. 1966. 49 J82
- 19835 ANTHONY, W. E. Size structure and growth of livestock slaughter firms. Diss. Abstr., Sect. A, 27(3):562A. Sept. 1966. Z5055.U49D5
- 19836 BAROV, V., and IOVCHEVA, V. Logarithmical statistical function of Fisher as an evaluation in experimental work in animal husbandry. (Bu) Zhivotnovudni Nauk, 3(3):431-440. 1966. 49 Z65
English summary.
- 19807 BELLERBY, J. R. Farm animal welfare and world food; evidence tendered to the Committee of Enquiry on Intensive Livestock Husbandry. London, One World Publ., 1965. 60 p. SF53.B4
- 19839 BERGEMANN, H. D. Experiences with superphosphate in barns. (Ge) Mitt. Deut. Landwirts.-Ges. 81(42):1570,1572. Oct. 20, 1966. 18 N39
As litter.
- 19809 BOITE, K. Les problemes sociaux et l'amelioration de l'elevage au Mali [Social problems and improvement in livestock raising in Mali]. Alfort. Ecole Nat. Vet. These 55,62 p., map. Ref. 1966. 41.2 AL23
- 19810 BOND, T. E., and others. Solar, atmospheric, and terrestrial radiation received by shaded and unshaded animals. Amer. Soc. Agr. Eng. Pap. 447,17 p. Ref. 1966. 290.9 Am32P
C. F. Kelly, S. R. Morrison, and N. Pereira, joint authors.
- 19811 CASIDA, L. E. Graduate training in animal science: degree requirements and the involvement of the student in the research program. J. Anim. Sci. 25(4):1236-1239. Nov. 1966. 49 J82
- 19812 CHAUVET, A. The Mauriac future slaughtering center. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg.-Aliment.) 6(34):29. Oct. 1966. 50.8 R322
- 19813 DULAIT, A. Histoire du commerce de la boucherie a Bourges [History of the slaughter business in Bourges]. Alfort. Ecole Nat. Vet. These 63,46 p. 1965. 41.2 AL23
- 19814 FARRELL, R. K., KOGER, L. M., and WIN-WARRELL, L. D. Freeze-branding of cattle, dogs, and cats for identification. Amer. Vet. Med. Ass. J. 149(6):745-752. Sept. 15, 1966. 41.8 Am3
- 19815 FLOWERS, A. I. Now is the time. Tex. Vet. Med. J. 28(1):11,13. Jan./Feb. 1966. 41.8 T31
For animal care legislation.
- 19816 HANDLIN, D. L. Livestock judging manual. Clemson Univ. Ext. Circ. 424,rev. 48 p. July 1966. 275.29 S03E
Beef cattle, swine, and sheep.
- 19817 HOBBS, C. S. ASAS—the American Society of Animal Science in the space age. J. Anim. Sci. 25(4):1281-1285. Nov. 1966. 49 J82
- 19819 HORN, A. Trend and future tasks of animal husbandry. (Hu) Magyar Mezőgazdasag 21(41):22-23. Oct. 12, 1966. 19 M27
- 19819 JAMET, J. Les bouchers du Chatelet a la fin du Moyen Age (1420-1500) [Butchers of Chatelet at the end of Middle Ages (1420-1500)]. Alfort. Ecole Nat. Vet. These 40,62 p. Ref. 1966. 41.2 AL23
- 19820 KHAN, A. S. An appraisal of the problems of livestock industry in Cholistan. Pakistan J. Forest, 16(3):251-260, map. July 1966. 99.8 P17
- 19821 KIRKPATRICK, R. D. Mammals of the Tokelau Islands. J. Mammalogy 47(4):701-704. Ref. Nov. 1966. 410 J823
Includes swine, cats and dogs.
- 19822 KUZ'MINA, I. E. History of theriofauna of northern Urals and Ural area in upper Anthropogen. (Rus) Moskov. Obsch. Ispytatelei Prirody. Byul. Old. Biol. 71(3):91-102. Ref. May/June 1966. 511 M85
Includes fossil livestock.
- 19823 LEBEDEV, P. T. Gigena vyrashchivaniya molodnyaka [Hygiene in growing young livestock]. Moskva, Kolos, 1965. 192 p. Ref. SF745.L4
Sanitation, especially in housing.
- 19824 MEHES, GY., and MAKÓ, I. The reconstruction of slaughterhouses. I. (Hu) Magyar Alatorv. Lapja 21(10):455-459. Oct. 1966. 41.8 V644
English summary.
- 19825 MELIN, G. Animal husbandry. (Sw) Goteborgs Bohus Lans Hushallningssallsk. Arsbok 1966:30-39. 11 G712A
- 19826 MESSING, S. Thoughts on animal protection. (Ge) Prakt. Tierarzt 47(10):491-492. Oct. 1, 1966. 41.8 P882
- 19827 PEARSON, A. M. Summary of the minutes of the 56th business meeting of the American Society of Animal Science. J. Anim. Sci. 25(4):1286-1295. Nov. 1966. 49 J82
- 19828 RIERA PLANAGUMA, S., and MUNOZ GARCES, C. Considerations on slaughter without pain. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23(264):307-329. June 1966. 41.9 C67
- 19829 SUMMA, H. Experiences with slaughtering on hangers. (Ge) Schlacht- Viehhof-Zeitung 65(1):6-8. Jan. 1965. 286.85 D48
French summary.
- CATTLE**
- Breeds and Breeding
- 19830 ABRAHAMSSON, J. The artificial insemination work. (Sw) Goteborgs Bohus Lans Hushallningssallsk. Arsbok 1966:40-44. 11 G712A
With cattle.
- 19831 ALLAIRE, F. R., and HENDERSON, C. R. Selection practiced among dairy cows. I-II. J. Dairy Sci. 49(11):1426-1440. Ref. Nov. 1966. 44.8 J822
I, Single lactation traits; II, Total production over a sequence of lactations.

- 19832 BAIDA, V. I. Evaluation of Simmental bulls according to meat qualities of their descendant. (Uk) Visnyk SIL's'kohospodar. Nauk. 4:90-95. Apr. 1965. 20 V82
Russian summary.
- 19833 BALACHANDRAN, K. Some aspects of reproduction in the cow in Ceylon. Ceylon Vet. J. 14 (1/2):12-14. Mar./June 1966. 41.8 C33
- 19834 BALIKA, S. Data on relationship between body weight and milk yield of Hungarian Red Spotted cattle. (Hu) Allattenyesztes 15(3):197-206. Ref. Sept. 1966. 49 A157
English summary.
- 19835 BELOUSOV, N. M., SHCHITOV, A. M., and VAKHROV, A. K. Sampling of liquid contents of rumen from bulls. (Rus) Veterinariya 6: 83-84. June 1966. 41.8 V6426
- 19836 BISWAL, G., and DAS, L. N. Comparative histological study of the parathyroid gland of the bull and the bullock. Indian Vet. J. 43(8):693-697. Aug. 1966. 41.8 Iu2
- 19837 BLASUM, J. Die Schätzung von Heritabilitätskoeffizienten für Milchleistungseigenschaften beim Rind unter Verwendung verschiedener Berechnungsmethoden [Valuation of heritability coefficients for milk production traits in cattle by application of various calculation methods]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 5,111 p. 1965. 105.8 B644
Bibliography, p.106-111.
- 19838 BLOM, E. The history of artificial insemination in Danish cattle breeding with special regard to its influence on improved sexual health control. Veterinarin [Oxford] 3(4):243-248. Ref. Dec. 1965. 41.8 V6467
- 19839 BOURMAULT, J. C. Les races bovines italiennes [Italian cattle breeds]. Alfort. Ecole Nat. Vet. These 2,61 p.m.p. Ref. 1966. 41.2 AL23
- 19840 BRAEND, M., EFREMOV, G., and RAASTAD, A. Genetics of bovine hemoglobin D. Hereditas 54(3):255-259. 1966. 442.8 H42
- 19841 BRANDT, G. W., and others. Effects of crossbreeding on production traits in dairy cattle. J. Dairy Sci. 49(10):1249-1253. Ref. Oct. 1966. 44.8 J822
C. C. Brannon, W. R. Harvey, and R. E. McDowell, joint authors.
- 19842 BREITENSTEIN, K. G., and HEIM, P. The results of pasturing of young beef bulls in relation to the pre-fattening period and use of feed concentrates. (Ge) Deut. Landwirt. 17(9):447-449. Sept. 1966. 18 D4822
- 19843 CARTWRIGHT, T. C. Heredity must be important in cow fertility. Tex. Livestock J. 25 (11):7.28. Nov. 15, 1966. 49 T29
- 19844 CASSOU, R. Recent progress in artificial insemination of the bovine. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52 (10):746-754. Ref. June 1/3, 1966. 14 P215Bc
- 19845 CASTRO, B. L. DE. Preliminary comparative study of early steers. (Por) Agricultura [Lisboa] 25:32-41. Jan./Mar. 1965. 15.5 Ag85
Effect of crosses on meat production.
- 19846 CLARK, C. H. Reliability of dairy sire surveys in production recorded herds. Queensland J. Agr. Anim. Sci. 22(4):381-385. Ref. Dec. 1965. 23 Q37
Australian Illawarra Shorthorn and Jersey sires.
- 19847 CRETA, V. Study on the fattening and meat production of crossbreeds between British Friesian bulls and Rumanian Spotted cattle. (Rum) Rev. Zootch. Med. Vet. 16(6):15-24. Aug. 1966. 49 P943
English summary.
- 19848 CZAKO, J. The period between two calving and milk-meat production. (Hu) Magyar Mezőgazdaság 21(45):15-16. Nov. 9, 1966. 19 M27
- 19849 DAVID, B. E. Profits can be made with purebred Angus. Fla. Cattleman Livestock J. 31(2): 44-46, 48. Nov. 1966. 43.8 F66
- 19850 DEMARQUETTE, J. Problemes pratiques poses par l'alimentation des taureaux des centres d'insemination artificielle [Practical problems posed by the feeding of bulls in artificial insemination centers]. Alfort. Ecole Nat. Vet. These 41,101 p. Ref. 1966. 41.2 AL23
In France.
- 19851 DIACONU, V., and others. Capacity of transmitting hereditary features of bulls of the imported Red Danish cattle breed, tested in their daughters in Dobruja. (Rum) Rev. Zootch. Med. Vet. 16(10):63-71. Oct. 1966. 49 P943
T. Drama, M. Tobescu, and A. Calotou, joint authors.
- 19852 DOMINIONE, C. Too many difficulties are hindering the development of the livestock industry. (It) Nuovo Prog. Vet. 21(14):665-666. July 31, 1966. 41.8 P942
Furtherance of artificial insemination of cattle in Italy for greater production of meat and milk.
- 19853 DONALDSON, L. E., and LARKIN, R. M. Experiences in artificial insemination of beef cattle in north Queensland. Australian Soc. Anim. Prod. Proc. 6:52-55. 1966. 49.9 Au72
- 19854 DREYER, D., and SMIDT, D. What is the role of difficult labor and calf losses for breeding valuation of breeder bulls? (Ge) Tierzuechter 18(15):528-529. Aug. 5, 1966. 49 T445
- 19855 DUJIN, C. VAN, and LIEROP, J. H. VAN. Effects of temperature on photo-sensitivity of spermatozoa. Nature [London] 211(5055):1313-1315. Ref. Sept. 17, 1966. 472 N21
Cattle.
- 19856 EISEN, E. J. Effect of the biometrical relationship among total milk yield, milk constituent yield, and per cent of milk constituent on response to selection. J. Dairy Sci. 49(10): 1230-1234. Oct. 1966. 44.8 J822
- 19857 FARCAS, N., TOMA, I., and MURESAN, E. Hereditary and morphological-productive indices of bulls of the Jersey cattle breed of Danish and English types. (Rum) Rev. Zootch. Med. Vet. 16(10):78-81. Oct. 1966. 49 P943
Includes milk production.
- 19858 FILKINS, M. E. Congenital and hereditary defects which interfere with the reproductive efficiency of domestic cattle (*Bos taurus*): a literature review. Veterinarin [Oxford] 3(4): 255-265. Dec. 1965. 41.8 V6467
- 19859 FOLMAN, Y., and VOLCANI, R. Copulatory behaviour of the prepubertally castrated bull. Anim. Behav. 14(4):572-573. Oct. 1966. 410 B77
- 19860 FOMIN, K. A., IVANOV, N. I., and KRUGLY-ANSKII, YA. V. Surgical treatment of penis neoplasms in bulls. (Rus) Veterinariya 6:75-77. June 1966. 41.8 V6426
- 19861 FULLBROOK, F. J. Cross breeding of dairy cattle. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):454-457. Oct. 1966. 10 G79J
- 19862 GARTNER, R. J. W., RYLEY, J. W., and BEATTIE, A. W. Values and variations of blood constituents in grazing Hereford cattle. Res. Vet. Sci. 7(4):424-434. Ref. Oct. 1966. 41.8 R312
In Australia.
- 19863 GAVRILET, I. Sequence analysis and its application to the tests of bulls based on their progeny. (Rum) Rev. Zootch. Med. Vet. 16(10):31-43. Oct. 1966. 49 P943
- 19864 GERDEMANN, H. Relations between milk production, fertility and course of lactation curve in cattle. (Ge) Tierzuechter 18(15):521-522. Aug. 5, 1966. 49 T445
- 19865 GREAT BRITAIN. BREEDING AND PRODUCTION ORGANISATION. Friesian bulls, with contemporary comparisons, v. 10. London, 1965. 144 p. SF193.F7C7
Progeny tests of dairy bulls.
- 19866 GRIGORE, C., ARVANITOPOL, N., and CURELEA, V. A contribution to the bacteriological examination of the semen of bulls. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarele 2(1):299-307. Ref. 1963, pub. 1965. 41.9 R863
English summary.
- 19867 GROTHE, P. Evaluation of breeding value of cattle—but how? (Ge) Mitt. Deut. Landwirt.-Ges. 81(38):1419-1421. Sept. 22, 1966. 18 N39
- 19868 HAHN, J. Fertility situation in German cattle herds. (Ge) Tierzuechter 18(15):516-518. Aug. 5, 1966. 49 T445
- 19869 HALLMAN, L. C. Performance of calves enrolled in the Pennsylvania Beef Cattle Improvement Program. Diss. Abstr., Ser. 2, 27(3): 657B. Sept. 1966. Z5055.U49D53

- 19870 HIBBS, J. W., and CONRAD, H. R. Breeding heifers early. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 50(5):72-73,77. Sept./Oct. 1965. 100 Oh3S
Holsteins and Jerseys.
- 19871 HILLERS, J. K., and FREEMAN, A. E. Two sources of genetic error in sire proofs. J. Dairy Sci. 49(10):1245-1248. Oct. 1966. 44.8 J822
Cattle.
- 19872 HINKS, C. J. M. Selection practices in dairy herds. 1. First lactation performance and survival to the second lactation. Anim. Prod. 8(3):467-480. Oct. 1966. 49 An55
Using Friesians and Ayrshires, in Scotland.
- 19873 HINKS, C. J. M. Selection practices in dairy herds. 2. Selection patterns in the later lactations. Anim. Prod. 8(3):481-486. Ref. Oct. 1966. 49 An55
Friesian and Ayrshire breeds, in Scotland.
- 19874 HOEKSTRA, P. The new evaluation scheme of the Netherlands cattle herdbook. (Du) Tijdschr. Diergeneesk. 91(20):1265-1270. Oct. 15, 1966. 41.8 T431
English summary.
- 19875 HOEKSTRA, P. The use of the milk-, fat- and protein index in cattle breeding. (Du) Tijdschr. Diergeneesk. 91(20):1271-1274. Oct. 15, 1966. 41.8 T431
Progeny of dairy bulls.
- 19876 IBRAHIM, I. I., and LARSEN, B. Frequencies of alleles of the B-blood group system in Red Danish dairy cattle. Acta Vet. Scand. 7(3):257-263. Ref. 1966. 41.8 Ac87
- 19877 IVANOV, P., ALEKSIEV, A., and VANKOV, K. Milk productivity of the Red Danish crosses in the first generation. (Bu) Zhivotnovudni Nauk. 2(5):679-687. Ref. 1965. 49 Z65
English summary.
- 19878 IVANOV, P., SINIVIRSKI, G. Young bull fattening of Black Pied and Simmental breeds and their crossings. (Bu) Zhivotnovudni Nauk. 3(4):537-546. Ref. 1966. 49 Z65
German summary.
- 19879 IVANOVA, E., and others. Progeny testing of Red Danish bulls. (Bu) Zhivotnovudni Nauk. 3(3):389-398. Ref. 1965. 49 Z65
V. Vachkov, A. Aleksiev, K. Vankov, and I. Nikolov, joint authors.
- 19880 KAZEYEV, R. V. Improving diagnosis of trichomoniasis in bulls. (Rus) Veterinariya 6:95-97. June 1966. 41.8 V6426
- 19881 KHRISTOV, V., KADISKI, E., and KOINARSKI, V. Comparative fattening of Black Pied and Simmental crossed calves. (Bu) Zhivotnovudni Nauk. 2(6):915-922. 1965. 49 Z65
German summary.
- 19882 KING, G. T., and CARPENTER, Z. L. Bull beef passes taste test. Cattleman 53(9):57. Nov. 1966. 49 C29
- 19883 KONERMANN, H. Improving fertility and raising the number of calves by agricultural measures. (Ge) Tierzuechter 18(15):518-521. Aug. 5, 1966. 49 T445
Breeding, feeding and environmental means.
- 19884 KOROL', V. L., and PERVAK, YA. I. Results from the study of fattening castrated males of Carpathian Brown cattle. (Uk) Vysny Sil'skohospodar. Nauk. 8:76-80. Aug. 1965. 20 V82
Russian summary.
- 19885 KRAUSE, D., and WEITZE, K. F. A contribution to the problem of labelling deep frozen bull semen pellets. (Ge) Deut. Tierarztl. Wochenschr. 73(18):458-459. Sept. 15, 1966. 41.8 J482
English summary.
- 19886 JENKINS, D. H. An empirical approach to treatment of "bullish" dairy cows. Amer. Vet. Med. Ass. J. 149(6):772-773. Sept. 15, 1966. 41.8 Am3
- 19887 JOCHLE, W. On the status of hormonal raising of calf yields. (Ge) Tierzuechter 18(15):532-533. Aug. 5, 1966. 49 T445
Sterility treatment, chiefly.
- 19888 JOHNSON, A. E. The diagnosis of trichomoniasis in the bull. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:183-189. 1965, pub. 1966. 49.9 Un3R
- 19889 LAMBERT, G., DEYÖE, B. L., and PAINTER, G. M. Further studies on the persistence of Brucella abortus strain 19 in bulls. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:124-130. Ref. 1965, pub. 1966. 49.9 Un3R
Holstein-Friesian breed.
- 19890 LAMOND, D. R., and TAKKEN, A. Some problems associated with artificial insemination of beef cattle. Australian Soc. Anim. Prod. Proc. 6:44-51. 1966. 49.9 Au72
- 19891 LARSEN, B., and THYMAN, M. Studies on milk protein polymorphism in Danish cattle and the interaction of the controlling genes. Acta Vet. Scand. 7(3):189-205. Ref. 1966. 41.8 Ac87
- 19892 LAVON, U., and others. The specific gravity of bull spermatozoa and seminal plasma. J. Reprod. Fertil. 11(3):447-449. June 1966. 44.8 J8222
R. Volcani, D. Amir, and D. Danon, joint authors.
- 19893 LEIPOLD, H. W., and HUSTON, K. A herd of glass-eyed albino Hereford cattle. J. Hered. 57(5):179-182. Ref. Sept./Oct. 1966. 44.8 Am3
- 19894 LOPEZ SAUBIDET, C., and VISMARA, C. A. Production tests for breeds of beef cattle. (Sp) Soc. Rural Argent. An. 100(7):95,97-98,100-101,103-104,106-107,111-112,114,117-118,121-122,125,129,131. July 1966. 9 Sol
Selection.
- 19895 LUNGULESCU, G., and GROSU, M. Preliminary information on tests of bulls of the Rumanian Spotted cattle breed performed on the collective farm Bulgars. (Rum) Rev. Zooteh. Med. Vet. 16(9):77-87. Sept. 1966. 49 P943
- 19896 MACMILLAN, K. L., and others. Some semen characteristics in dairy bulls ejaculated with artificial vaginas at varying temperatures. J. Dairy Sci. 49(9):1132-1134. Sept. 1966. 44.8 J822
H. D. Hafs, C. Desjardins, and K. T. Kirton, joint authors.
- 19897 MAGAS, L. Better sires mean more valuable stock. I. (Hu) Magyar Mezőgazdaság 21(44):14-15. Nov. 2, 1966. 19 M27
Cattle.
- 19898 MAHAJAN, S. C., and MENGE, A. C. Influence of uterine environment on the fertilizing capacity of sperm in cattle. J. Anim. Sci. 25(4):1083-1086. Ref. Nov. 1966. 49 J82
- 19899 MALJALA, K. Fertility - a breeding problem in dairy cattle. (Ge) Tierzuechter 18(15):526-528. Aug. 5, 1966. 49 T445
- 19900 MAKAVEEV, TS. Heritability (h^2) of productivity and live weight in the F₁-generation of Bulgarian Red cattle bred in Ruse district. (Bu) Zhivotnovudni Nauk. 3(1):103-109. Ref. 1966. 49 Z65
German summary.
- 19901 MAKAVEEV, TS. Polymorphism of the serum transferrins and erythrocytic antigen in the Rhodope chorona cattle (Bos taurus brachyceros). (Bu) Zhivotnovudni Nauk. 3(2):229-236. Ref. 1966. 49 Z65
English summary.
- 19902 MAKAVEEV, TS. A study of the shape and milking capacity of the udder of Bulgarian Red cows. (Bu) Zhivotnovudni Nauk. 3(3):399-412. Ref. 1966. 49 Z65
English summary.
- 19903 MEYER, H. Labor process with calves from crossing of Yellow Friesian x Black Pied cattle. (Ge) Tierzuechter 18(21):733-734. Nov. 5, 1966. 49 T445
- 19904 MICHEV, M., and DONEV, N. Contribution to the studies of the results of breeding the Red Danish breed and its use as an improvement breed in Bulgaria. (Bu) Zhivotnovudni Nauk. 3(4):481-489. Ref. 1966. 49 Z65
English summary.
- 19905 MONTGOMERY, G. A. AI a big factor in increased production. Dairy Herd Manage. 2(3):13-15. Apr. 1966. SF191.D3
- 19906 MORSTIN, J. The organization of insemination and maintenance of bulls in the Experimental Cattle Insemination Institute [Etablissement Experimental d'Insemination des Bovins] in Laigle (France). (Pol) Med. Weter. 22(9):562-563. Sept. 1966. 41.8 M463

- 19907 NELSON, M. L. A study of the genetic relationships of solids-not-fat production in bovine milk. Diss. Abstr., Sect. B, 27(4):1008B. Oct. 1966. Z5055.U49D53
- 19908 OLIVER, J. The origin, environment and description of the Mashona cattle of Rhodesia. Exp. Agr. 2(2):81-88. Ref. Apr. 1966. 10 Ex72
- 19909 OLIVER, J. The productivity of Mashona cattle in Rhodesia. Exp. Agr. 2(2):119-128. Ref. Apr. 1966. 10 Ex72
- 19910 PARASCHIVESCU, M. Organization of the reproduction of cattle on farms for breeding. (Rum.) Rev. Zooteh. Med. Vet. 16(10):5-12. Oct. 1966. 49 P943
- 19911 PAREZ, M. Selection, utilization, exchange of reproducing cattle for artificial insemination; economical and pathological problems. (Fr) Econ. Med. Anim. 7(3):195-204. May/June 1966. 41.8 Ec7
- 19912 PEARSON, J. R. Secretion and metabolism of estrogens in the bull. Diss. Abstr., Sect. B, 27(3):728B. Sept. 1966. Z5055.U49D53
- 19913 PEREIRA, J. L. Improvement of cattle in the Tropics. III. The importance of the Zebu in crosses. (Por) Gaz. Agr. Angola 11(9):1358-1360, 1362, map. Sept. 1966. 24 G252
- 19914 PISHEV, D., and others. Studies on the incidence, forms and etiology of infertility in heifers. (Bu) Vet. Med. Nauk. 3(6):651-657. 1966. 41.8 V6468
G. Georgiev, S. Georgiev, K. Nedyalkov, G. Dzhambozov, and I. Nachev, joint authors. English summary.
- 19915 PLASTO, A. W. Time of mating trial shows three years' results. Queensland Agr. J. 92(8):478-481. Aug. 1966. 23 Q33
Beef cattle records.
- 19916 PORTEOUS, E. W. Heifer identification for sire survey. Tasmanian J. Agr. 37(3):198. Aug. 1966. 23 T182T
Records.
- 19917 QUEVEDO, J. M. Modern tendencies in animal production in relation to popular taste. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):253-254, 256-258. May/June 1966. 41.8 B86
Changes in types and breeds of beef cattle.
- 19918 RAMSAY, J. M. Heterogeneity of variance at different genetic levels of milk production. Diss. Abstr., Sect. B, 27(4):1009B. Oct. 1966. Z5055.U49D53
- 19919 RAUSCH, W. H., LUDWICK, T. M., and WESELI, D. F. Some uses of transferrin types in parentage and identical-twin determinations. J. Dairy Sci. 49(9):1139-1141. Sept. 1966. 44.8 J822
- 19920 REHM, W. F., and KUPFERSCHEID, H. Investigations on the effect of a highly concentrated, emulsifiable vitamin ADE-preparation on the sperm quality of bulls. (Ge) Schweiz. Arch. Tierheilk. 108(8):428-435. Aug. 1966. 41.8 Sch9
English summary.
- 19921 ROUSSEL, J. D., and STALLCUP, O. T. A histochemical study of the development of alkaline phosphatase in the testicle and epididymis of young bovine males. Int. J. Fertil. 11(2):215-225. Ref. Apr./June 1966. 44.8 In83
- 19922 SACKER, G. D., and TRAIL, J. C. M. A note on milk production of Ankole cattle in Uganda. Trop. Agr. [St. Augustine] 43(3):247-250. July 1966. 26 T754
- 19923 SANTHIRASEGARAM, K., ABEYWARDENA, V., and GOONESEKERA, G. C. M. Lactation characteristics of Sinhala cattle in Ceylon. Trop. Agr. [St. Augustine] 43(3):233-239. July 1966. 26 T754
- 19924 SCHILLING, E. Experiments in sedimentation and centrifugation of bull spermatozoa and the sex ratio of born calves. J. Reprod. Fertil. 11(3):469-472. June 1966. 44.8 J822
- 19925 SEKHON, G. S., and GEHLON, M. S. Repeatability estimates of some economic traits in the Murrah buffalo. Ceylon Vet. J. 14(1/2):18-22. Mar./June 1966. 41.8 C33
Genetics.
- 19926 SHARMA, R. K., and PRABHU, S. S. Variation in conception rates due to sires in six breeds of Zebu cattle. J. Genet. 59(3):225-238. Ref. June 1966. 44.8 J823
In India.
- 19927 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND. Coates' heri book containing the pedigrees of Beef Shorthorn cattle. Volume one hundred and twelve. London, 1966. 60 p. 43.9 C63
- 19928 SIRBULESCU, V. Aspects of the effect of breeding in relation to the chosen criterion and the intensity of breeding in the improvement of milk production of cattle. (Rum) Rev. Zooteh. Med. Vet. 16(10):56-62. Ref. Oct. 1966. 49 P943
- 19929 SMIDT, D. Breeding and breeding technical possibilities for raising calf yields. (Ge) Tierzuechter 18(15):524-525. Aug. 5, 1966. 49 T445
Various measures including estrus control, pregnancy diagnosis and obstetrical help.
- 19930 SMITH, I. D., and ALEXANDER, G. Perinatal mortality in Shorthorn cattle in northern Queensland. Australian Soc. Anim. Prod. Proc. 6:63-65. 1966. 49.9 Au72
- 19931 SORENSEN, A. M. New horizons for AI. Tex. Agr. Progr. 12(4):7-8. Fall 1966. 100 T31E
Cattle.
- 19932 STARTSEV, D. I., ed. Selektionnaya rabota v plemennykh zavodakh [Selection work in breeding station], Moskva, Rossel'khozizdat, 1965. 246 p. SF201.S7
Cattle.
- 19933 STOBBS, T. H. The improvement of small East African Zebu cattle. Exp. Agr. 2(4):287-293. Ref. Oct. 1966. 10 Ex72
- 19934 SUESS, G. G., and others. Sire, sex and weight effects upon beef carcass traits and palatability. J. Anim. Sci. 25(4):1197-1202. Ref. Nov. 1966. 49 J82
R. W. Bray, R. W. Lewis, and V. H. Brungard, joint authors.
- 19935 SUVENVUO, K. G. Onward meat production. (Sw) Tidskr. Lantman Andelstolk 1:21-22. Jan. 15, 1966. 20 T43
Crossbreeding of cattle for meat production in Finland.
- 19936 SWIERSTRA, E. E. Structural composition of Shorthorn bull testes and daily spermatozoa production as determined by quantitative testicular histology. Can. J. Anim. Sci. 46(2):107-119. Ref. Aug. 1966. 41.8 C163
- 19937 SZEPESI, B., and HOPWOOD, M. L. Intermediates in the metabolism of fructose by bovine sperm. J. Dairy Sci. 49(10):1235-1239. Ref. Oct. 1966. 44.8 J822
- 19938 TAGLE, E. C. Evolution and characteristics of the Aberdeen Angus breed. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):157-160, 163-166. May/June 1966. 41.8 B86
- 19939 TAMPION, D. Fluctuations in the swimming rate of individual bull spermatozoa. Reprod. Fertil. 11(3):371-377. June 1966. 44.8 J822
- 19940 TELYATNIKOV, N. YA. Influence of iodine salt on sexual function of cows. (Uk) Vysny Sil's'kohospodar. Nauk. 4:101-102. Apr. 1965. 20 V82
Russian summary.
- 19941 TRAIL, J. C. M., and SACKER, G. D. Ankole longhorn cattle growth rates, horn dimensions and effect of dehorning on liveweight gain, in Uganda. Trop. Agr. [St. Augustine] 43(3):241-245. July 1966. 26 T754
- 19942 TUDORASCU, R. Studies on the best time for the artificial insemination of cattle after the parturition. (Rum) Rev. Zooteh. Med. Vet. 16(8):25-32. Ref. Aug. 1966. 49 P943
- 19943 ULBERG, L. C. Herd reproductive status—a new system monitors the reproductive performance of a herd. Dairy Herd Manage. 2(4):25-26. May 1966. SF191.D3
North Carolina State University, at Raleigh.
- 19944 VACCARO, R., and DILLARD, E. U. Relationship of dam's weight and weight changes to calf's growth rate in Hereford cattle. J. Anim. Sci. 25(4):1063-1068. Ref. Nov. 1966. 49 J82

- 19945 VAN VLECK, L. D. How are dairy traits passed along? *Dairy Herd Manage.* 2(9):29,30. Oct. 1966. SF191.D3
- 19946 VAN VLECK, L. D. Which bull proof should you believe? *Dairy Herd Manage.* 2(5):35-36. June 1966. SF191.D3
- 19947 VARACCA, W. The use of vitamins A and D₂ in certain forms of bovine sterility. (It) *Nuovo Prog. Vet.* 21(12):592,594-596. June 30,1966. 41.8 P942
- 19948 VASILEVA, E., and SUBEV, N. Young bull judging according to origin. (Bu) *Zhivotnovudni Nauk.* 2(5):661-670. 1965. 49 Z65
German summary.
- 19949 VLADIMIROV, I. Application of heredity grades in planning the results of breeding measures. (Bu) *Zhivotnovudni Nauk.* 3(4):649-655. Ref. 1966. 49 Z65
German summary.
- 19950 VLADIMIROV, I., and MAKAVEEV, TS. Results from crossings of Simmental cows with Red Danish. (Bu) *Zhivotnovudni Nauk.* 2(6):827-840. Ref. 1965. 49 Z65
German summary.
- 19951 WILLIAMS, R. J., and STOTT, G. H. Reproduction in thyroidectomized and thyro-parathyroidectomized cattle. *J. Dairy Sci.* 49(10):1262-1265. Ref. Oct.1966. 44.8 J822
- 19952 WU, S. H., and NEWSTEAD, J. D. Electron microscope study of bovine epididymal spermatozoa. *J. Anim. Sci.* 25(4):1186-1196. Ref. Nov.1966. 49 J82
- 19953 ZAKHARIEV, Z., and SINIVIRSKI, G. Condition of milk production in single udder quarter of Bulgarian Red cattle. (Bu) *Zhivotnovudni Nauk.* 3(2):221-227. Ref. 1966. 49 Z65
German summary.
- Feeds and Feeding**
- 19954 ALEKSEIEV, A., and STOICHEV, Z. Comparative study on the effects of aqueous ammonia and urea on growth and nitrogen conversion of male fattening calves. (Bu) *Zhivotnovudni Nauk.* 2(6):887-891. 1965. 49 Z65
German summary.
- 19955 ALEKSEIEV, A., and STOICHEV, Z. Investigation on the effect of aqueous ammonia in the intensive young cattle feeding with protein-poor rations. (Bu) *Zhivotnovudni Nauk.* 3(2):201-205. Ref. 1966. 49 Z65
German summary.
- 19956 ALLEN, R. J., and HAINES, C. E. Comparison of Argentine and Pensacola bahiagrasses on organic soil by dairy gains of yearling cattle. *Soil Crop Sci. Soc. Fla. Proc.* 25th Annu. Meeting:271-275. 1965, pub.1966. 56.9 S032
- 19957 AMMERMAN, C. B., and MOORE, J. E. Characteristics of feeds with roughage properties. *Feedstuffs* 38(43):40,42. Oct.28,1966. 286.81 F322
In relation to cattle and sheep nutrition; includes digestibility.
- 19958 ANDERSON, G. C., CUNNINGHAM, C. J., and HEISHMAN, J. O. A comparison of three methods of feeding hay to wintering yearling cattle. *W. Va. Agr. Exp. Sta. Circ.* 534, 8 p. Sept.1966. 100 W52
- 19959 APGAR, W. P., RAMAGE, C. H., and MATHER, R. E. Nitrogen-fertilized orchardgrass compared with alfalfa at different levels of concentrate feeding for dairy cows. *J. Dairy Sci.* 49(9):1033-1037. Ref. Sept.1966. 44.8 J822
- 19960 ARENS, R. Nitrogen fertilizing of pastures and forage quality. (Ge) *Stickstoff* 4:21-25. 1965. 57.8 S55
In relation to dairy cattle feeding.
- 19961 BATH, D. L., and others. Comparative utilization of energy by cattle for growth and lactation. *J. Anim. Sci.* 25(4):1138-1144. Ref. Nov. 1966. 49 J82
M. Ronning, G. P. Lofgreen, and J. H. Meyer, joint authors.
Effects of feeding on beef cattle and dairy cattle.
- 19962 BIELINSKI, K., and SLABON, W. The application of urea and dried sugar beet pulp saturated with ammonium lactate in feeding high yielding milk cows. (Pol) *Rocz. Nauk Roln.* 87-B-1:73-85. Ref. 1965. 20.5 R59
English summary.
- 19963 BILLUND, A. O. Winter feeding of dairy cattle. (Da) *Dansk Landbrug* 85(10):283-284. Oct.1966. 280.28 V91
- 19964 BOUVIER, G. Mecanisation dans l'allaitement artificiel du veau de boucherie "la louve" [Mechanization in the artificial nursing of beef calf-"la louve"]. Alfort. Ecole Nat. Vet. These 29,60 p. Ref. 1966. 41.2 AL23
- 19965 BRONSCH, K., and LUDERS, H. On the problem of fluorine tolerance in the feed rations of cattle. (Ge) *Schweiz. Arch. Tierheilk.* 108(8):441-446. Ref. Aug.1966. 41.8 Sch9
English summary.
- 19966 BROWN, W. H., and others. Secretion of DDT in milk by fresh cows. *Bull. Environ. Contamination Toxicol.* 1(1):21-28. Jan./Feb. 1966. RA1270.P35A1
J. M. Witt, F. M. Whiting, and J. W. Stull, joint authors.
From residues in their feed.
- 19967 BURMANN, F. J., and others. Influence of grazing intensity on radiostrontium concentrations in milk. *J. Dairy Sci.* 49(10):1219-1222. Ref. Oct.1966. 44.8 J822
G. F. Fries, M. J. Anderson, and G. E. Stoddard, joint authors.
- 19968 BURTON, G. W. Let's re-examine forage values. *Plant Food Rev.* 12(3):2-4. Fall 1966. 57.8 P694
Feeding of beef and dairy cattle.
- 19969 BUTTERFIELD, R. M., and BERG, R. T. A nutritional effect on relative growth of muscles. *Australian Soc. Anim. Prod. Proc.* 6: 298-304. Ref. 1966. 49.9 Au72
In Australian Illawarra Shorthorn calves.
- 19970 CAMPBELL, A. G. Grazed pasture parameters. I-III. *J. Agr. Sci. [London]* 67(2):199-221. Ref. Oct.1966. 10 J822
I. Pasture dry-matter production and availability in a stocking rate and grazing management experiment with dairy cows; II. Pasture dry-matter use in a stocking rate and grazing management experiment with dairy cows; III. Relationships of pasture and animal parameters in, and general discussion of a stocking rate and grazing management experiment with dairy cows; in New Zealand.
- 19971 CANNON, G. Urea, molasses, corncobs; least-cost protein makes cheap gains and choice beef. *Farm Quart.* 21(5):60-61,102. Fall 1966. 6 F22995
- 19972 CHAPMAN, H. L., KIDDER, R. W., and HAINES, C. R. Blackstrap molasses with and without additives for beef cows. *Fla. Everglades Exp. Sta. Mimeo Rep.* EES67-4, 9 p. Sept.1966. 100 F672
- Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 19973 CONRAD, H. R., HIBBS, J. W., and PRATT, A. D. Regulation of feed intake in dairy cows. II. Association between digestible dry matter intake and cellulose digestibility in cows fed increasing levels of grain concentrate. *J. Dairy Sci.* 49(9):1038-1041. Ref. Sept.1966. 44.8 J822
- 19974 COPPOCK, C. E. If you feed high-moisture corn—more must be fed because of its moisture content; here is how to balance your ration. *Hoard's Dairyman* 111(23):1417,1447. Dec.10,1966. 44.8 H65
- 19975 CRAIG, H. B., and others. Evaluation of hemoglobin, myoglobin, blood oxygen content and organoleptic qualities of beef from steers fed grain on pasture or cut forage and grain in drylot. *J. Anim. Sci.* 25(4):1128-1132. Ref. Nov. 1966. 49 J82
T. N. Blumer, W. W. G. Smart, and M. B. Wise, joint authors.
- 19976 CZAKO, J., and SZUCS, E. Acidified milk in calf feeding. (Hu) *Allattenyesztes* 15(3):223-229. Sept.1966. 49 AL57
English summary.

- 19977 DUNAVIN, L. S. Pensacola bahiagrass as haylage. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:239-248. Ref. 1965, pub.1966. 56.9 So32
In relation to feeding of steers.
- 19978 ELOFF, H. P. To save my animals; how and what to feed during droughts. *Farming S. Afr.* 42(5):51,53-54. Aug.1966. 24 So842
Cattle.
- 19979 ERICSSON, J., GUSTAFSSON, T., and SANNE, S. Konsttorkning av vallfoder till notkreatur [Artificial drying of hay for cattle]. Uppsala. Lantbrukshögsk. Aktuellt Lantbrukshögsk. 91, 46 p. Ref. 1966. 11 Up62A
- 19980 ES, A. J. H. VAN, and NIJKAMP, H. J. The maintenance requirement of cows; energy balance experiments with rations of hay and of hay and concentrates. *Neth. J. Agr. Sci.* 14 (3):178-197. Aug.1966. 12 N3892
- 19981 EVANS, J. L., and DAVIS, G. K. Dietary phosphorus, sulfur and molybdenum and mineral composition of rumen fluid. *J. Anim. Sci.* 25 (4):1010-1013. Ref. Nov.1966. 49 J82
Experiments with steers studied with rumen fistula.
- 19982 EVANS, J. L., and DAVIS, G. K. Influence of sulfur, molybdenum, phosphorus and copper interrelationships in cattle upon cellulose digestion in vivo and in vitro. *J. Anim. Sci.* 25(4): 1014-1018. Ref. Nov.1966. 49 J82
- 19983 FEEDS ILLUSTRATED. Beef & swine feed nutrition guide section for 1966. *Feeds Illus.* 17(8):19-34. Aug.1966. 389.78 F326
- 19984 FENDER, M., TUCHER, U. VON, and KOKOSCHKA, H. Research on the effect of fresh and skim milk with homogenized fat on the fattening production and carcass quality of German Simmental and German Black Pied calves. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(4):218-233. Ref. July 1966. 389.78 Z3
English summary.
- 19985 FIELDER, F., and HAMILTON, A. Production-line calf feeding. West. Australia. Dep. Agr. J. (ser. 4)7(8):352-354. Aug.1966. 23 W52J
- 19986 GALLOWAY, F. T. Using cattle on feed, report. *Cattleman* 53(9):60,62,64. Nov.1966. 49 C29
In Texas.
- 19987 GAUNT, S. N. Forage critical in complete feed. *Dairy Herd Manage.* 2(5):22-23. June 1966. SF191.D3
Low fat prevention, use of urea, and silage supplementation.
- 19988 GAWECKI, K., PONIKIEWSKA, T., and ILECKI, J. Molasses distillers residue in feeding ruminants. I-II. (Pol) *Rocz. Nauk Roln.* 87-B-3: 383-422. Ref. 1966. 20.5 R59
English summary.
- 19989 GEUKING, F. The forage beet, will it be interesting again? (Ge) *Unser Milchvieh* 18(9): 1-2. Sept.1966. 43.8 Un7
Nutritive value in cattle feeding, and culture.
- 19990 GHOLSON, J. H., SCHEXNAIDER, R. H., and RUSOFF, L. L. Influence of a poor-quality low-energy ration on lipolytic activity in milk. *J. Dairy Sci.* 49(9):1136-1139. Ref. Sept.1966. 44.8 J822
- 19991 GROOT, T. DE. Nitrogen fertilizing and health of pasture animals. (Ge) *Stickstoff* 4:11-17. 1965. 57.8 St5
Cattle.
- 19992 GROTE, R. Establishing silage supply in time. (Ge) *Unser Milchvieh* 18(10):1-4. (Cont.) Oct. 1966. 43.8 Un7
For cattle feeding.
- 19993 HALE, W. H., and WOODS, W. Roughage sources. *Feedlot* 8(11):18-23. Nov.1966. 43.8 F32
Beef cattle.
- 19994 HARTMANN, P. E., HARRIS, J. G., and LASCELLES, A. K. The effect of oil-feeding and starvation on the composition and output of lipid in thoracic duct lymph in the lactating cow. *Australian J. Biol. Sci.* 19(4):635-644. Ref. Aug.1966. 442.8 Au72
Safflower oil.
- 19995 HERD, R. P. Fasting in relation to hypocalcaemia and hypomagnesaemia in lactating cows and ewes. *Australian Vet. J.* 42(8):269-272. Ref. Aug.1966. 41.8 Au72
- 19996 HIGH, T. W. Dietary selectivity by steers grazing two types of pasture. *Diss. Abstr.* Sect. B, 27(3):657B. Sept.1966. Z5055.U49D53
- 19997 HIGHT, G. K. The effects of undernutrition in late pregnancy on beef cattle production. *New Zeal. J. Agr. Res.* 9(3):479-490. Ref. Aug. 1966. 23 N4892
- 19998 HISINGER, C. Meat cattle production. (Sw) *Tidskr. Lantman. Andelsfolk* 22:516-517. Nov.30,1965. 20 T43
Chiefly feeding.
- 19999 HOLMES, J. H. G., FRANKLIN, M. C., and LAMBOURNE, L. J. The effects of season, supplementation and pelleting on intake and utilisation of some sub-tropical pastures. *Australian Soc. Anim. Prod. Proc.* 6:354-363. 1966. 49.9 Au72
Beef cattle.
- 20000 HOPKINS, J. R. Barley straw and concentrates for dairy cows. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10):487-489. Oct.1966. 10 G79J
- 20001 IVANOV, I., and others. Effect of molybdenized feed on growth, distribution of Mo, Cu, Fe and on the alkaline phosphatase activity in the organism of young cattle. II. (Bu) *Zhivotnovudni Nauk.* 3(3):321-330. 1966. 49 Z65
A. Akeksiev, K. Kumanov, and V. Koinarski, joint authors.
German summary.
- 20002 JOBLIN, A. D. H. Beef from grass; big potential for increased output per acre with current methods. *N. Z. Fert. J.* 29:12-14. Dec.1966. 57.8 N48
- 20003 JOHNSON, H. D., and YOUSEF, M. K. Effect of short-term fasting on thyroid activity of cattle at various environmental temperatures. *J. Anim. Sci.* 25(4):1069-1075. Ref. Nov.1966. 49 J82
- 20004 JONES, C. G., and others. The time taken by cows to eat concentrates. *Anim. Prod.* 8(3): 489-497. Oct.1966. 49 An55
K. D. Maddever, D. L. Court, and M. Phillips, joint authors.
- 20005 JONES, H. L. Importance of nutrition in the reproduction of cattle—a review. *Southwest Vet.* 19(4):277-282. Ref. Summer 1966. 41.8 So82
- 20006 KIRSGAARD, E. Preliminary results concerning young bulls versus steers and also a comparison of two methods of castration. (Da) *Nord. Jordbrugsforsk.* 47(4):340-341. 1965. 11 N752
Chiefly effects of feeding on meat production.
- 20007 KLAUSCH, P. Various possibilities of whole milk deficient calf rearing. (Ge) *Tierzüchter* 18(14):497-498. July 20,1966. 49 T445
With skim milk and milk replacers.
- 20008 KLOSTERMAN, E. W., JOHNSON, L. J., and JOHNSON, R. R. Complete silage makes economical beef ration. *Ohio Rep. Res. Develop. Biol. Agr. Home Econ.* 50(5):75-79. Sept./Oct. 1965. 100 Oh85
- 20009 KOSKULI, B. VON. Raising of bull calves. (Sw) *Tidskr. Lantman. Andelsfolk* 21:486-488. Nov. 15,1965. 20 T43
Feeding for meat production in Finland.
- 20010 KOVACS, F. On the fattening effect of parenterally introduced carbon tetrachloride. (Hu) *Magyar Allatorv. Lapja* 21(9):412-416. Ref. Sept.1966. 41.8 V644
English summary.
Appetite increasing and better food utilization effect in cattle.
- 20011 KUMANOV, S., and others. Experiment for determining the effects of hexestrol and veronol in urea ration feeding of cattle. (Bu) *Zhivotnovudni Nauk.* 2(5):707-711. 1965. 49 Z65
N. Ivanov, I. Ignatov, and D. Dzburkov, joint authors.
German summary.

- 20012 LAMBERT, M. R. Calves can now be profitably weaned after three weeks. *Feed Manage.* 17(12):64,66. Dec.1966. 389,78 Ea7
Using milk replacer pellets.
- 20013 LUDEMAN, F. Drought feed from veld trees and inferior roughage. *Farming S. Afr.* 42(6):59-61. Sept.1966. 24 So842
Cattle.
- 20014 MABEY, G. L., and INNES, R. R. Studies on browse plants in Ghana. II. Digestibility. (d) Digestibility of *Grewia carpinifolia* from the Accra Plains, using local cattle as experimental animals. *Exp. Agr.* 2(2):113-117. Apr.1966. 10 Ex72
- 20015 MATSUSHIMA, J. K. Are you feeding enough protein to your cattle? *Cattleman* 53(9):44. Nov.1966. 49 C29
- 20016 MCCARTHY, W. O., and HAMILTON, C. P. Increased beef production through improved pastures in Queensland. *Australian Soc. Anim. Prod. Proc.* 6:263-267. 1966. 49 Au72
- 20017 MCCOY, G. C., and others. Complete feed rations for lactating dairy cows. *J. Dairy Sci.* 49(9):1058-1063. Ref. Sept.1966. 44,8 J822
H. S. Thurmon, H. H. Olson, and A. Reed, joint authors.
- 20018 MIX, L. S., and LASHBROOK, W. D. Where do complete rations fit in? *Dairy Herd Manage.* 2(11):12-14. Dec.1966. SF191.D3
- 20019 MOLLER, P. D., LARSEN, J. B., and NEIMANN-SØRENSEN, A. The value of crude protein for covering requirements in milk production. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(3):154-166. Ref. May 1966. 389,78 Z3
English summary.
- 20020 MONTANA. AGRICULTURAL EXPERIMENT STATION. 10th cattle feeders day, Bozeman, May 14th, 1966. *Mont. Agr. Exp. Sta. Res. Progr. Rep.* PR-27/35, various paging. May 1966. 100 M76R
- 20021 MONTGOMERY, G. A. Dairy beef; more dairy bull calves are being fed out for meat. *Dairy Herd Manage.* 2(2):42-44. Mar.1966. SF191.D3
- 20022 MORRIS, J. G. Finishing steers on sorghum grain and sorghum silage; effects of grain-to-roughage ratio, urea supplementation and hexoestrol implantation on rate of body-weight gain, feed efficiency and carcass compositions. *J. Agr. Sci. [London]* 67(2):191-197. Ref. Oct. 1966. 10 J822
Australia.
- 20023 MORRISON, S. H. 1966-67 feeding tables for beef cattle and sheep fattening stations. *Feedlot* 8(11):39-50. Nov.1966. 43,8 F32
- 20024 MORRISON, S. H. Where can I find net energy values for brood cows? *Feedlot* 8(12):25. Dec.1966. 43,8 F32
- 20025 NEDAVA, V. YU. Forage costs as criterion for estimation of economic value of Simmental cattle. (Uk) *Visnyk Sil'skohospodar. Nauk.* 4:86-99. Apr.1965. 20 V82
Russian summary.
Effects of feeding costs on milk production.
- 20026 NEWELL, M. E. Ranchers purchase complete feeds to produce better cattle for feedlot operators. *Feedstuffs* 38(43):48-49,52. Oct.29, 1966. 286,81 F322
In Kansas.
- 20027 NICHOLSON, J. W. G., and MACLEOD, L. B. Effect of form of nitrogen fertilizer, a preservative, and a supplement on the value of high-moisture grass silage. *Can. J. Anim. Sci.* 46(2):71-82. Ref. Aug.1966. 41,8 C163
Fed to cattle and sheep.
- 20028 NOTZOLD, K. What home-produced basic forage shall we feed. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(42):1565-1566,1568. Oct.20, 1966. 18 N39
Costs of various feeds for dairy cattle.
- 20029 OLTJEN, R. R., and PUTNAM, P. A. Plasma amino acids and nitrogen retention by steers fed purified diets containing urea or isolated soy protein. *J. Nutr.* 89(4):385-391. Ref. Aug.1966. 389,8 J82
- 20030 OLTJEN, R. R., and others. Wheat versus corn in all-concentrate cattle rations. *J. Anim. Sci.* 25(4):1000-1004. Ref. Nov.1966. 49 J82
P. A. Putnam, E. E. Williams, and R. E. Davis, joint authors.
- 20031 PALIEV, KH. Use of 1.9% butter content milk in feeding calves with starter mixtures. (Bu) *Zhivotnovudni Nauk.* 3(3):339-345. 1966. 49 Z65
English summary.
- 20032 PERRY, T. W. Urea: its use in beef cattle nutrition. *Feedlot* 8(11):13-14,82. Nov.1966. 43,8 F32
- 20033 PETEVA, Z., DARDZHONOV, T., and SANDEV, S. Crude fibres and volatile fatty acid ratio in the rumen of calves, fattened on certain rations. (Bu) *Zhivotnovudni Nauk.* 2(6):901-907. Ref. 1965. 49 Z65
English summary.
- 20034 PETKOV, T., and IVANOVA, S. Determining the effect of ammonia-treated silage on the productivity of dairy cows. (Bu) *Zhivotnovudni Nauk.* 2(5):737-743. Ref. 1965. 49 Z65
English summary.
- 20035 PIATKOWSKI, P., and STEGER, H. Grass silage as exclusive basic food for dairy cattle. (Ge) *Deut. Landwirt.* 17(9):449-450. Sept. 1966. 18 D4822
East Germany.
- 20036 PICCONI, M. On the magnificent forages of the Alps. (It) *Esso Agr.* 15(4):12-13. Aug.1, 1966. 58,8 Es7
Cattle grazing.
- 20037 PRATT, A. D., and CONRAD, H. R. Organic acids of silage and milk composition. *Ohio Rep. Res. Develop. Biol. Agr. Home Econ.* 51(3):45-46. May/June 1966. 100 Oh35
- 20038 PRATT, A. D., DAVIS, R. R., and VAN KEUREN, R. W. Sudangrass vs. alfalfa-grass for dairy pasture and silage in northeastern Ohio. *Ohio Agr. Res. Develop. Center. Res. Bull.* 990,16 p.,map. Nov.1966. 100 Oh35
- 20039 PRESTON, R. L. Protein requirements for growing-finishing. *Feedlot* 8(11):15-16,72. Nov.1966. 43,8 F32
Cattle and lambs.
- 20040 PRESTON, R. L. Protein requirements of growing-finishing cattle and lambs. *J. Nutr.* 90(2):157-160. Ref. Oct.1966. 389,8 J82
- 20041 PRESTON, R. L. What makes a good beef and lamb supplement for today's feeding? *Feedlot* 8(11):10-12. Nov.1966. 43,8 F32
- 20042 PUTNAM, P. A., and others. Dietary energy and protein effects on rumen volatile acids and ration digestibility by beef heifers. *J. Anim. Sci.* 25(4):988-993. Ref. Nov.1966. 49 J82
C. J. Elam, R. E. Davis, and J. N. Wiltbank, joint authors.
- 20043 PUTNAM, P. A., YARNS, D. A., and DAVIS, R. E. Effect of pelleting rations and hay: grain ratio on salivary secretion and ruminal characteristics of steers. *J. Anim. Sci.* 25(4):1176-1180. Ref. Nov.1966. 49 J82
- 20044 RAY, M. L., and CATE, J. R. Chicken litter as a roughage in finishing beef steers. *Ark. Farm Res.* 15(5):10. Sept./Oct.1966. 100 Ar42F
- 20045 REAVES, J. L., BUSH, L. J., and STOUT, J. D. Effect of different non-protein nitrogen sources on acceptability of rations by dairy cattle. *J. Dairy Sci.* 49(9):1142-1144. Sept.1966. 44,8 J822
- 20046 RONNING, M., and LABEN, R. C. Response of lactating cows to free-choice feeding of milled diets containing from 10 to 100% concentrates. *J. Dairy Sci.* 49(9):1080-1085. Sept.1966. 44,8 J822
- 20047 ROWAN, K. J. Supplementary feeding of cattle for survival. *Queensland Agr. J.* 92(9):534-542. Sept.1966. 23 Q33
In time of drought.
- 20048 SCHMITTEN, F. Forage quality and animal health with reference to nitrogen fertilizing of pastures. (Ge) *Stickstoff* 4:26-31. 1965. 57,8 St5
Dairy cattle.

- 20049 SENEL, S. H., and OWEN, F. G. Relation of dietary acetate and lactates to dry matter intake and volatile fatty acid metabolism. *J. Dairy Sci.* 49(9):1075-1079. Ref. Sept. 1966. 44.8 J822
Dairy cattle.
- 20050 SHAH, S. S. L., SIAL, M. B., and SCHNEIDER, B. H. The digestibility of guar meal. *Sci. Indus.* 4(2):118-122. Apr. 1966. 475 Sci238
In beef cattle feeding.
- 20051 SMITH, G. E. Effect of varying levels of cellulose, starch and glucose in semi-purified diets on the metabolism of ruminants. *Diss. Abstr.*, Sect. B, 27(2):343B-344B. Aug. 1966. Z5055,U49D53
Steers.
- 20052 SPAHR, S. L., and others. Short-term effects of dietary fiber level on feed intake and production by well-fed cows. *J. Dairy Sci.* 49(9):1046-1049. Sept. 1966. 44.8 J822
A. E. Branding, E. M. Kesler, and W. H. Cloninger, joint authors.
- 20053 SPARKE, E. J., and LAMOND, D. R. Observations on feeding grain to breeding cows for survival during the recent drought. *Australian Vet. J.* 42(8):311-312. Aug. 1966. 41.8 Au72
- 20054 SPRINGELL, P. H. Sulphur requirements for cattle hair growth. *Australian Soc. Anim. Prod. Proc.* 6:399-402. 1966. 49.9 Au72
Nutrition.
- 20055 SRIVASTAVA, L. S., and TURNER, C. W. Restrictive feed consumption and its effect on mammary gland growth. *J. Dairy Sci.* 49(9):1050-1052. Ref. Sept. 1966. 44.8 J822
- 20056 THOMSON, P. Feeding in the Northwest. *Amer. Cattle Prod.* 48(6):6. Nov. 1966. 49 P94
- 20057 TYRRELL, H. F. Effect of method of forage preservation on the energetic efficiency of lactating cows. *Diss. Abstr.*, Sect. B, 27(3):658B. Sept. 1966. Z5055,U49D53
- 20059 URBANYI, L. Influence of phosphorus supplementation on cows' fertility. (Hu) *Allattenyesztes* 15(3):255-258. Sept. 1966. 49 AL57
English summary.
- 20059 VAN KEUREN, R. W., and others. Utilization of alfalfa [*Medicago sativa*]-bromegrass [*Bromus inermis*] as soilage, strip-grazing, and rotational grazing for dairy cattle. Ohio, Agr. Res. Develop. Center. Res. Bull. 989, 20 p. Ref. Oct. 1966. 100 Oh35
A. D. Pratt, H. R. Conrad, and R. R. Davis, joint authors.
- 20060 VIVIAN, G. F. Meat production of steers in relation to rate of stocking and supplementary feeding. *Australian Soc. Anim. Prod. Proc.* 6:260-262. 1966. 49.9 Au72
- 20061 WALLENUS, R. W., HIBBS, J. W., and CONRAD, H. R. Effect of feeding different proportions of beet pulp, corn silage, of alfalfa hay on digestibility of dehydrated alfalfa pellets. *J. Dairy Sci.* 49(10):1266-1269. Ref. Oct. 1966. 44.8 J822
In cattle.
- 20062 WARD, R. E. Vitamin E improves your herd's ability to produce milk that tastes good. *Australian Coop.* 2(12):7. Dec. 1966. 280.28 Ag9
- 20063 WIESER, M. F., PRESTON, T. R., and MACDEARMID, A. Intensive beef production. 8. The effect of chlorotetracycline on growth, feed utilization and incidence of liver abscesses in barley beef cattle. *Anim. Prod.* 8(3):411-423. Ref. Oct. 1966. 49 An55
In Scotland.
- 20064 WILKIE, W. J. Lot feeding of beef cattle. 5. Feed lots and animal health. West. Australia. *Dep. Agr. J. (ser.4)* 6(10):633-636. Oct. 1965. 23 W52J
- 20065 WISE, W. E., and GRAY, R. Precautions in using feed additives for beef. *Ky. Univ. Ext. Leaflet*. 291.6 p.-folder. Sept. 1966. 275.29 K415L6
Chiefly drugs.
- 20066 WITT, M., SENFT, B., and RAPPEN, W. H. The effect of change in feeding and keeping on the fat content of milk of grazing cows. (Ge) *Landwirt. Forsch.* 19(1):42-55. Ref. 1966. 18 L2333
English summary.
- 20067 WITT, M. Heavy nitrogen fertilizing is not a disadvantage for the fertility of cattle. (Ge) *Stickstoff* 4:3-10. 1965. 57.8 St5
Chiefly feeding on pasture.
Veterinary Medicine
- 20069 AAFJES, J. H. New approach to the study of rumen absorption. *Nature [London]* 212(5061):531. Oct. 29, 1966. 472 N21
Cattle.
- 20069 ACRED, P., LARKIN, P. J., and MIZEN, L. The distribution of orally administered ampicillin in calves. *Vet. Rec.* 79(4):103-104. July 23, 1966. 41.8 V641
Effects on Salmonella.
- 20070 ALFIMOVA, A. V., SKULIN, I. M., and ORLOVA, V. A. Serological diagnosis of cattle vibriosis. (Rus) *Veterinariya* 6:19-21. June 1966. 41.8 V6426
- 20071 ALI-ZADE, M. A., and EYUBOV, I. Z. Permanent installation for group spraying of cattle. (Rus) *Veterinariya* 6:102-105. June 1966. 41.8 V6426
Control of Haemosporidia.
- 20072 ALMASSY, K. Studies on mammalian and avian tuberculin. I-II. (Hu) *Magyar Allatorv. Lapja* 21(10):440-445. Ref. Oct. 1966. 41.8 V644
English summary.
Includes test on cattle.
- 20073 EL AMROUSI, S., SOLIMAN, M. K., and YOUSSEF, L. B. Studies on the physiological chemistry of the ante-tarsal synovial fluid of healthy bovines. *Can. J. Comp. Med. Vet. Sci.* 30(9):251-255. Ref. Sept. 1966. 41.8 C162
- 20074 ANCYZYKOWSKI, F., MURAT, P., and WAL-KOWSKI, L. Can anti-Salmonella pullorum agglutinin level be used as an indicator of the origin of anti-Brucella agglutinins in the vaginal mucus of cows? (Pol) *Pol. Arch. Weter.* 10(1):57-62. Ref. 1966. 41.8 P76
English summary.
- 20075 ANCYZYKOWSKI, F., MURAT, P., and WAL-KOWSKI, L. Influence of genital tract inflammations on the agglutination titre of the vaginal mucus of cows. (Pol) *Pol. Arch. Weter.* 9(4):655-667. Ref. 1966. 41.8 P76
English summary.
- 20076 ANDERSON, N., and others. Experimental Osteria osteri infections in calves; results of single infections with five graded dose levels of larvae. *Amer. J. Vet. Res.* 27(12):1259-1265. Ref. Sept. 1966. 41.8 Am3A
J. Armour, R. M. Eadie, W. F. H. Jarrett, F. W. Jennings, J. S. D. Ritchie, and G. M. Urquhart, joint authors.
- 20077 ANUSZ, Z. The Enterobacteriaceae microorganisms in the alimentary tract of healthy calves. (Pol) *Pol. Arch. Weter.* 10(1):27-36. Ref. 1966. 41.8 P76
English summary.
- 20079 ARMSTRONG, G. J. Gestation chart aids dairy management. *Queensland Agr. J.* 92(8):504-506. Aug. 1966. 23 Q33
- 20079 ARNDT, G. Über das Vorkommen pulmonaler hyaliner Membranen bei Pneumonien der Rinder [Occurrences of pulmonary hyaline membranes in cattle pneumonia]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 19, 29 p. Ref. 1965. 41.2 H198
- 20080 ASCHBACHER, P. W., and others. Metabolism of oral iodide and 3,5-diiodosalicylic acid in the pregnant cow. *J. Dairy Sci.* 49(9):1042-1045. Sept. 1966. 44.8 J822
R. G. Cragle, E. W. Swanson, J. K. Miller, joint authors.
- 20081 AVENS, A. W., and others. Persistence of DDT in milk and body fat—a case report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:287-289. 1965, pub. 1966. 49.9 Un3R
H. E. Nader, J. G. Matthyse, and D. J. Lisk, joint authors.
Cattle fed on silage containing contaminated forage plants.
- 20082 AYNSELEY, L. H., and COOPER, B. S. Oral and parenteral neomycin as a treatment for scours and salmonellosis in calves. *Vet. Rec.* 79(9):258-262. Aug. 27, 1966. 41.8 V641

- 20083 BADURA, R., BUCZEK, A., and OSINSKI, B. The use of polyester knitted fabric in the operation of amputation of the horns. (Pol) Med. Weter. 22(6):350-352. Ref. June 1966. 41.8 M463
English summary.
Cattle.
- 20084 BAIER, W. Embryonic fetal death in cattle. (Ge) Tierzucht 18(15):529-530. Aug. 5, 1966. 49 T445
- 20085 BALANDIN, I. G., and others. Action of histone on reproduction of vaccinia virus. Arch. Gesamte Virusforsch. 18(3):350-355. Ref. 1966. 443.3 Ar23
L. A. Melnikova, I. A. Kozlova, O. P. Peterson, L. V. Masharina, and V. M. Zhdanov, joint authors.
- 20086 BALDWIN, R. L., and WILLES, R. Effects of ionizing radiation on enzyme levels in cow mammary glands. J. Dairy Sci. 49(10):1223-1225. Ref. Oct. 1966. 44.8 J822
- 20087 BARBONI, E., MANOCCHIO, I., and ASDRUBALI, G. Observations on diabetes mellitus associated with experimental foot-and-mouth disease in cattle. Vet. Ital. 17(7/8):362-368. Ref. p.361. July/Aug. 1966. 41.8 C87
Text also in Italian, p.339-361.
- 20088 BARNETT, S. F., and BROCKLESBY, D. W. The passage of "Theileria lawrencei (Kenya)" through cattle. Brit. Vet. J. 122(9):396-409. Ref. Sept. 1966. 41.8 V643
Includes transmission by Rhipicephalus appendiculatus of the disease called corridor disease; in Africa.
- 20089 BARNETT, S. F., and BROCKLESBY, D. W. Recent investigations into Theileridae of cattle and buffalo in Africa; a mild form of East Coast fever (Theileria parva) with persistence of infection. Brit. Vet. J. 122(9):361-370. Sept. 1966. 41.8 V643
Includes transmission by Rhipicephalus appendiculatus and kochi.
- 20090 BARTLEY, J. C., FREEDLAND, R. A., and BLACK, A. L. Effect of aging and glucose loading on the activities of glucose-6-phosphatase and phosphorylase of livers of cows and calves. Amer. J. Vet. Res. 27(120):1243-1248. Ref. Sept. 1966. 41.8 Am3A
- 20091 BARTLEY, J. C., and BLACK, A. L. Effect of exogenous glucose on glucose metabolism in dairy cows. J. Nutr. 89(3):317-328. Ref. July 1966. 389.8 J82
- 20092 BARTON, C. E. Traceback in tuberculosis eradication. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:421-427. 1965, pub. 1966. 49.9 Un3R
Cattle, in Tennessee.
- 20093 BASRUR, P. K., and STOLTZ, D. R. Chromosome studies in bovine quintuplets. Chromosoma 19(2):176-187. Ref. 1966. 442.8 C46
- 20094 BENEVENGA, N. J., BALDWIN, R. L., and RONNING, M. Alterations in liver enzyme activities and blood and urine metabolite levels during the onset of thiamine deficiency in the dairy calf. J. Nutr. 90(2):131-140. Ref. Oct. 1966. 389.8 J82
- 20095 BENNELL, D. G. A non-infectious respiratory disease of bovines. New Zeal. Vet. J. 14(5/6): 73. May/June 1966. 41.8 N493
- 20096 BERGER, R., and HENRIKSSON, K. On bovine leucosis. (Fr) Suomen Eläinlääkärilehti 72 (5):174-178. May 1966. 41.8 F49
English summary.
- 20097 BINES, J. A. Some aspects of butyrate metabolism in ruminants. Diss. Abstr., Sect. B, 27(3):654B. Sept. 1966. Z5055.U49D53
Cattle.
- 20098 BLOSS, R. E., and others. Effects of oral melengestrol acetate on the performance of feedlot cattle. J. Anim. Sci. 25(4):1048-1053. Nov. 1966. 49 J82
J. I. Northam, L. W. Smith, and R. G. Zimbelman, joint authors.
- 20099 BOHMAN, V. R., and BLINCOE, C. R. Fall-out in Nevada; cattle valuable in radiation detection, radiation not a hazard to Nevadans—College of Agriculture participates with U.S. Atomic Energy Commission. Nev. Ranch Home Rev. 3(7):10-11. Fall 1966. 60.18 S12
- 20100 BORGHI, G., and others. Serological confirmation of an outbreak of "virus diarrhoea-mucosal disease." Vet. Ital. 17(7/8):385-394. Ref., p.383-384. July/Aug. 1966. 41.8 C97
L. Buratto, G. Gagliardi, A. Pacetti, and R. Zoletto, joint authors.
Text also in Italian, p.369-384.
Cattle in Italy.
- 20101 BOZO, S., and DUNAY, A. Relationship between body-mass and milk production in adult cows. (Hu) Allattenyesztés 15(3):207-213. Ref. Sept. 1966. 49 AL57
English summary.
- 20102 BRATLIE, O. Environment and mastitis. (No) Nord. Veterinærmed. 18(7/8):366-375. July/Aug. 1966. 41.8 N813
English summary.
Effects of housing and milking.
- 20103 BREMNER, K. C. Relative influence of three gastro-intestinal nematodes of cattle on the concentrations of haemoglobin and serum protein in the host. Nature [London] 212(5060):429-430. Oct. 22, 1966. 472 N21
Haemonchus placei, Oesophagostomum radiatum and Bunostomum phlebotomum.
- 20104 BREWITT, J. M. A practitioners' investigation of a possible outbreak of blackleg. Can. Vet. J. 7(10):231-232. Oct. 1966. 41.8 R3224
In cattle.
- 20105 BROOKBANKS, E. O. The correlation between California mastitis test results and the presence of mastitis pathogens in composite milk samples. New Zeal. Vet. J. 14(7):89-91. Ref. July 1966. 41.8 N483
- 20106 BROOKBANKS, E. O. A report on surveys of the incidence of mastitis infection in New Zealand dairy herds. New Zeal. Vet. J. 14(5/6): 62-70. Ref. May/June 1966. 41.8 N483
- 20107 BROWN, R. D. Results of subcutaneous inoculation of filamentous and non-filamentous forms of Mycoplasma mycoides into cattle. Bull. Epizoot. Dis. Afr. 14(2):147-152. Ref. June 1966. 41.8 B872
- 20108 BROWN, R. D., and TAYLOR, W. P. Simultaneous vaccination of cattle against rinderpest and contagious bovine pleuropneumonia. Bull. Epizoot. Dis. Afr. 14(2):141-146. Ref. June 1966. 41.8 B872
- 20109 BUDZYNSKI, J. The significance of spring inspections of cattle in raising the standard of cattle health. (Pol) Med. Weter. 22(6):373. June 1966. 41.8 M463
- 20110 BURCH, C. W. Mastitis—we can prevent most of it. Southwest. Vet. 19(4):287-290. Summer 1966. 41.8 S082
In dairy cattle.
- 20111 BUSCH, B. Investigations on blood groups of cattle; general principles and technique of investigation. (Ge) Arch. Tierzucht 9(4):295-306. Ref. 1966. 49 Ar23
English summary.
- 20112 BUTTERFIELD, R. M. Relative growth in beef cattle. Australian Vet. J. 42(9):342-343. Sept. 1966. 41.8 Au72
Discussion.
- 20113 BUTTERFIELD, R. M., and BERG, R. T. Relative growth patterns of commercially important muscle groups of cattle. Res. Vet. Sci. 7(4):389-393. Oct. 1966. 41.8 R312
- 20114 BUTTERFIELD, R. M., PRYOR, W. J., and BERG, R. T. A study of carcass growth in calves. Res. Vet. Sci. 7(4):417-423. Ref. Oct. 1966. 41.8 R312
- 20115 CADWALLADER, W. P., and MCENTEE, K. A case report of scleroderma of the bovine udder. Cornell Vet. 56(3):353-355. July 1966. 41.8 C81
Streptococcus agalactiae isolated.
- 20116 CAKALA, S. A technique for intraabomasal puncture and infusion in cattle. Palawy. Inst. Weter. Bull. 9(3):108-110. July/Sept. 1965. 41.9 P962
- 20117 CAMBIR, S. Some information on mycophages distribution in nature (soil, stable manure, droppings of fowl and feces of cattle, etc.). (Fr) Arch. Roumaines Pathol. Exp. Microbiol. 25(2):396-401. June 1966. 448.3 Ar22
English summary.
Cattle and avian tuberculosis.

- 20118 CAPARRINI, W. Longitudinal section of uterus of cow with diffuse caseous tubercular metritis. (It) *Zooprofilassi* 21(5):219,221. May 1966. 41.8 272
English summary, p.292.
- 20119 CAPEN, C. C., and others. Bioassay and quantitative morphologic analysis of the parathyroid glands, and serum and urine changes of cows fed high levels of vitamin D. *Amer. J. Vet. Res.* 27(120):1177-1186. Ref. Sept.1966. 41.8 Am3A
C. R. Cole, J. W. Hibbs, and A. R. Wagner, joint authors.
- 20120 CARBREY, E. A., and LEE, L. R. Serum neutralization tests for bovine viral diarrhoea virus and infectious bovine rhinotracheitis virus employing established tissue culture cell lines. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:501-504. 1965, pub.1966. 49.9 Un3R
- 20121 CARROLL, R. E. Leptospirosis in California dairy cattle a seven year study. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 153-163. Ref. 1965, pub.1966. 49.9 Un3R
- 20122 CASTRUCCI, G., GATTAPONI, P., and GIULIONI, A. The occurrence and distribution in Italy of antibodies to some agents associated with respiratory diseases in bovine sera. II. Neutralization test against IBR virus. (It) *Arch. Vet. Ital.* 17(3/4):185-191. Ref. Aug.31, 1966. 41.8 Ar25
English summary.
- 20123 CASTRUCCI, G., FLAMMINI, C. F., and GATTAPONI, P. The occurrence and distribution in Italy of antibodies to some agents associated with respiratory diseases in bovine sera. III. Haemagglutination-inhibition (HI) test by Myxovirus parainfluenza-3. (It) *Arch. Vet. Ital.* 17(3/4):193-200. Ref. Aug.31, 1966. 41.8 Ar25
English summary.
- 20124 CERNEA, L., and BUTURA, I. Study of frequency and distribution of the serological types of colibacillosis of calves. The role of antibodies of *Escherichia coli* in the pathogenesis of such diseases. (Rum) *Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrarile* 2(1):253-263. Ref. 1963, pub.1965. 41.9 R863
English summary.
- 20125 CHABASSE, Y. Practical problems posed by the inspection for bovine cysticercosis in slaughterhouses. (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 49(6):218-230. June 1965. 41.9 So12
Includes discussion.
- 20126 CHANCE, C. M. How mastitis is detected. *Md. Univ. Ext. Fact Sheet* 175,2 p. Jan.1966. 275.29 M36Fa
- 20127 CHANCE, C. M. Managed milking helps prevent mastitis. *Md. Univ. Ext. Fact Sheet* 177, 2 p. Mar.1966. 275.29 M36Fa
Technique.
- 20128 CHAPPAT, M. Variant of total embryotomy in the cow—reflections on its expediency. (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 49(9):323-335. Nov.1965. 41.9 So12
Includes discussion; and further discussion, 50(3):153-155; (5):216-219. Mar., May 1966.
- 20129 CHROSTOWSKI, T. The suitability of Polish silicons in the treatment of rumen bloat in cattle. (Pol) *Med. Weter.* 22(4):226. Apr.1966. 41.8 M463
- 20130 CLARKE, E. G. C. Production of hypertonic urine by the calf. *Vet. Rec.* 79(2):53-54. July 9, 1966. 41.8 V641
- 20131 CLOWER, T. A. High mortality in cattle resulting from spraying with insecticide. *Ga. Vet.* 18(4):9-10. July/Aug.1966. 41.8 G29
A combination of toxaphene and lindane.
- 20132 COGIEL, F. Observations and remarks on leukaemia in cattle. (Pol) *Med. Weter.* 22(9):535-541. Ref. Sept.1966. 41.8 M463
English summary.
- 20133 COMAN, I., and CARSTET, I. Viruses of the bovine intestinal system. The isolation of the primary cytopathological viruses from the clinically healthy calves. (Rum) *Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrarile* 2(1):209-217. Ref. 1963, pub.1965. 41.9 R863
English summary.
- 20134 CORDY, D. R. Pigmentation and mineralization in bovine pulmonary embolism. *Cornell Vet.* 56(2):251-259. Ref. Apr.1966. 41.8 C81
- 20135 COTTRAL, G. E., and others. Relationship of foot-and-mouth disease virus plaque size on cell cultures to infectivity for cattle by intramuscular inoculation. *Arch. Gesamte Virusforsch.* 18(3):276-293. Ref. 1966. 44.8 Ar23
R. E. Patty, P. Gailunas, and F. W. Scott, joint authors.
- 20136 COURTOIS, M. Treatment of certain troubles of rumination and mastication in the cow. (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 49(5):318-322. Nov. 1965. 41.9 So12
Includes discussion; and further discussion, 50(1):21-22; 50(3):159-161. Jan., Mar.1966.
- 20137 COWAN, K. M. Heterogeneity of antibodies produced by cattle infected with foot-and-mouth disease virus. *Amer. J. Vet. Res.* 27(120): 1217-1227. Ref. Sept.1966. 41.8 Am3A
- 20138 CUEZVA SAMANIEGO, J. The campaign for bovine tuberculosis eradication in Vizcaya and its possible adaptation to other provinces. (Sp) *Veterinaria [Madrid]* 30(9):539-551. Sept.1965. 41.8 V6429
- 20139 CULLEN, G. A. Cells in milk. *Vet. Bull.* 36(6):337-346. June 1966. 41.8 T752
Review of the literature.
Useful in research for cattle mastitis control.
- 20140 CUNNINGHAM, H. M. An auxiliary rumen for fistulated steers. *Can. J. Anim. Sci.* 46(2): 133-135. Aug.1966. 41.8 C163
- 20141 DAGNINO, V. Is mechanical milking the cause of mastitis or milk spoilage? (It) *Inform. Zootec.* 12(24):931-934. Dec.31, 1965. 49 In3
- 20142 DAHL, J. C. Another look at the veterinarian and mastitis control. *Vet. Med./Small Anim. Clin.* 61(5):467-471. May 1966. 41.8 M69
In cattle.
- 20143 DANIEL, R. C. W., BARNUM, D. A., and RENNIE, J. C. Variation in modified California mastitis test scores in dairy cattle. *J. Dairy Sci.* 49(10):1226-1229. Ref. Oct.1966. 44.8 J822
- 20144 DELAPOLIE, P. Abortion in the cow during the last third of pregnancy—difficulties in diagnosing the cause—is it brucellosis, salmonellosis, listeriosis? (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 50(1):23-32. Jan.1966. 41.9 So12
Includes discussion; and further discussion, 50(3):161-166. Mar.1966.
- 20145 DEMOTT, B. J., and COX, R. Influence of neutron and gamma whole-body irradiation of lactating cows on the chloride content of the milk. *Nature* [London] 212(5058):190. Oct.8, 1966. 472 N21
- 20146 DEMSKI, G. Strengthening of hardiness against parasitic infections. I. Sensitization with *Rhabditis axei* (Cobbold, 1884) against infections of cattle by the lungworm *Dictyocephalus viviparus* (Bloch, 1782). (Ge) *Arch. Exp. Veterinarmed.* 20(3):599-607. Ref. June 1966. 41.8 Ex7
- 20147 DEODHAR, N. S. Seasonal dynamics in the incidence of *Mecistocirrus digitatus* (Von Linstow-1906), a parasite of the abomasum of ruminants. *Indian Vet. J.* 43(8):692-693. Aug. 1966. 41.8 In2
Cattle and buffaloes.
- 20148 DERRICKSON, C. M. Rate of passage of ingested material through the digestive tract of steers. *Diss. Abstr.*, Sect. B, 27(3):655B-656B. Sept.1966. Z5055,U49D53
- 20149 DEVLIN, T. J. Nitrogen metabolism as influenced by lysine administration posterior to the rumen. *Diss. Abstr.*, Sect. B, 27(3):942B. Sept.1966. Z5055,U49D53
Trials on steers.
- 20150 DIETSCH, V., and LINDNER, D. Secretion morphology of mast cells in healthy and Hypodermis infected cattle. (Ge) *Monatsh. Veterinarmed.* 21(17):649-657. Ref. Sept.1, 1966. 41.8 M742
English summary.

- DIETZ, O., and NAGEL, E. Diagnosis, prognosis, and therapy of intrathoracic esophageal stenoses in cattle. (Ge) *Monatsh. Veterinar-med.* 21(17):673-678. Ref. Sept.1,1966. 41.8 M742
English summary.
- DOMAN, I. An infrequent case of placenta accessoria. (Hu) *Magyar Allatorv. Lapja* 21(10):467-468. Oct.1966. 41.8 V644
English summary.
- DOMMERT, A. R., and DIMOPOULLOS, G. T. Electrophoretic mobility of bovine erythrocytes during anaplasmosis. *Amer. J. Vet. Res.* 27(120):1211-1215. Ref. Sept.1966. 41.8 Am3A
- DONKER-VOET, J., BURG, A. VAN DEN. Bovine mastitis caused by *Aerobacter aerogenes*. (Du) *Tijdschr. Diergeneesk.* 91(20):1288-1291. Oct.15,1966. 41.8 T431
English summary.
- DWIVEDI, J. N., and SINGH, C. M. Pulmonary tuberculosis in buffaloes. *Indian Vet. J.* 43(7):582-585. July 1966. 41.8 In2
- DZHANASHIA, KH. T., and SALALOV, YU. G. The cause of mineral metabolism disturbance in cattle. (Rus) *Veterinariya* 6:71-72. June 1966. 41.8 V6426
- DZHUROVA, I. Comparative data on the insemination period of cows and heifers on farms, affected and non-affected with vibriosis. (Bu) *Vet. Med. Nauk* 3(6):645-649. Ref. 1966. 41.8 V6468
English summary.
- EDWARDS, S. J., and JONES, G. W. The distribution and characters of coagulase-negative staphylococci of the bovine udder. *J. Dairy Res.* 33(3):261-270. Ref. Oct.1966. 44.8 J823
- EGGEE, C. J., and DRACY, A. E. Histological study of effects of relaxin on the bovine cervix. *J. Dairy Sci.* 49(9):1053-1057. Ref. Sept.1966. 44.8 J822
- ELEK, P., and DURE, P. H. The histopathology of the reactions of calves to experimental infection with the nodular worm, *Oesophagostomum radiatum* (Rudolphi, 1803). I. Host reaction to reinfection with single large doses of larvae. *Australian J. Agr. Res.* 17(5):807-819. Ref. Sept.1966. 23 Au783
- ELLIOTT, R. E. W. Some bacteriological aspects of mastitis diagnosis and control. *New Zeal. Soc. Anim. Prod. Proc.* 26th Annu. Conf.: 146-157. Ref. 1966. 49.9 N483
In cattle.
- ENGLISH, J. E. Brucellosis titer in calves. *Vet. Med./Small Anim. Clin.* 61(5):472-473. May 1966. 41.8 M69
Produced by vaccination with Brucella abortus vaccine.
- ENIGK, K., STOYE, M., and BURGER, H. J. The effect of Citarin against the invasion of strongylids in cattle. (Ge) *Deut. Tierarztl. Wochenschr.* 73(18):441-445. Ref. Sept.15, 1966. 41.8 D482
English summary.
- ENIGK, K. Lung worm infestation of cattle and prevention. (Ge) *Tierzuchter* 18(16):558-560. Aug.20,1966. 49 T445
- EPLING, G. P. Electron microscopic observations of pericytes of small blood vessels in the lungs and hearts of normal cattle and swine. *Anat. Rec.* 155(4):513-517. Ref. Aug.1966. 447.8 An1
- FEAGAN, J. T., GRIFFIN, A. T., and LLOYD, G. T. Effects of subclinical mastitis on yield, stability of fluid milk. *J. Dairy Sci.* 49(8):933-939. Ref. Aug.1966. 44.8 J822
- FEAGAN, J. T., GRIFFIN, A. T., and LLOYD, G. T. Effects of subclinical mastitis on heat stability of skim milk and skim milk powder. *J. Dairy Sci.* 49(8):940-944. Ref. Aug.1966. 44.8 J822
- FICHANDLER, P. D., and others. Certified brucellosis-free status: the Connecticut approach. *U. S. Livestock Sanit. Ass. Proc.*, 69th Annu. Meeting:116-123. 1965, pub.1966. 49.9 Un3R
L. F. Williams, J. V. Smith, and W. C. Fer-rall, joint authors.
Cattle.
- FINDLAY, J. D., and WHITTOW, G. C. The role of arterial oxygen tension in the respiratory response to localized heating of the hypothalamus and to hyperthermia. *J. Physiol.* 186(2):333-346. Ref. Oct.1966. 447.8 J82
Tested in cattle.
- FISHER, E. W. Physiological techniques in the investigation of cardiovascular disease in cattle. *J. Physiol.* 187(2,sup.):21P. Nov.1966. 447.8 J82
- FOACHE, A. Reflections on the use of the acid-fast turtle bacillus [*Mycobacterium friedmannii*] (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 49(7):247-258. July 1965. 41.9 Sol2
Bovine tuberculosis therapy.
Includes discussion.
- FONTAINE, Y. A., and BURZAWA-GERARD, E. Heterothropic activity and the gonadotropic hormones of pituitary glands in mammals. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):400-403. Ref. July 25,1966. 505 P21
Includes cattle.
- FOX, F. H. Heat surgery. *Iowa Vet.* 37(6):22-24. Nov./Dec.1966. 41.8 Io9
In cows.
- FREINSTEIN, A., and MUNN, E. A. An electron microscopic study of the interaction of macroglobulin (IgM) antibodies with bacterial flagella and of the binding of complement. *J. Physiol.* 186(2):64P-66P. Oct.1966. 447.8 J82
Salmonella paratyphi in cattle.
- FUJIKURA, T., and SHIBATA, S. Enhancing effect of sonicated staphylococcal filtrate on the colony formation of staphylococci from cattle. *Tokyo. Nat. Inst. Anim. Health Quart.* 6(3):184-185. Fall 1966. 41.9 T575G
- GABEL, A. A., and HEATH, R. B. A more efficient rumenotomy technic. *Mod. Vet. Pract.* 47(1):31-33. Oct.1966. 41.8 N812
Chiefly in cattle.
- GALABINOV, G. Etiology, pathogenesis, and clinical conditions of post-parturition lying of cows. (Ge) *Monatsh. Veterinarmed.* 21(16):601-606. Ref. Aug.15,1966. 41.8 M742
English summary.
Especially lesions of spinal nerves.
- GANGULEE, P. C., and SEN, G. P. Effect of haemorrhagic septicaemia vaccination on the diagnostic titre for brucellosis and vice-versa. *Indian Vet. J.* 43(7):569-576. Ref. July 1966. 41.8 In2
In cattle.
- GASIOROWSKI, R. Fracture of the skull and frontal bone with extensive exposure of the nasal cavity in a bull. (Pol) *Med. Weter.* 22(9):569-570. Sept.1966. 41.8 M463
- GASKELL, E. Early bovine obstetrics. *Veterinarian [Oxford]* 3(3):147-150. Ref. Sept. 1965. 41.8 V6467
On the work and writings of Johann Gunther Eberhard.
- GILLETTE, D. D. Placental influence on uterine activity in the cow. *Amer. J. Physiol.* 211(5):1095-1098. Nov.1966. 447.8 Am3
- GILLETTE, K. G. Characterization studies of two strains of bovine viral diarrhea virus. *Diss. Abstr. Sect. B.* 27(2):363B-364B. Aug. 1966. Z5055.U49D53
- GLANTZ, P. J., KRADEL, D. C., and HOKANSON, J. F. *Escherichia coli* serogroup 115 isolated from animals; experimental infection of calves. *Amer. J. Vet. Res.* 27(120):1205-1209. Ref. Sept.1966. 41.8 Am3A
- GOETSCH, D. D. Liver enzyme changes during rumen development in calves. *Amer. J. Vet. Res.* 27(120):1187-1192. Ref. Sept.1966. 41.8 Am3A
- GOLIKOV, A. N., and LYUBIMOV, E. I. Encephalography in cattle. (Rus) *Veterinariya* 6:81-83. June 1966. 41.8 V6426
- GOSSLING, J. The bacteria isolated from lesions of embolic meningo-encephalitis of cattle. *Ill. Vet.* 9(3):14-18. Summer 1966. 41.8 IL62

- 20187 GRANDADAM, A., and CASTEL, G. Glycogenic activity of a new delayed corticoid, 21-isocotinate of dexamethasone. (Fr) Soc. Vet. Prat. France. Bull. Mens. 50(3):168-173. Mar. 1966. 41.9 Sol2
Voren used for treatment of ketosis in dairy cattle.
- 20189 GRATZKE, J. B., PETER, C. P., and RAMSEY, F. K. Pathogenesis studies of infectious bovine rhinotracheitis by fluorescent antibody tracing. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:190-206. Ref. 1965, pub. 1966. 49.9 Un3R
- 20189 GREGOROVIC, V., SKUSEK, F., and JAZBEC, J. New views on the etiology and pathogenesis of gastrointestinal disturbances of new born calves. (Sl) Soc. Kmetijstvo Gozdarstvo 16 (13):325-326; (14):342-343. Sept.22-Oct.15, 1965. 21.5 Sol4
- 20190 GUAY, P. Study on the amount and change of potassium in the blood and genital secretions of the cow during estrus cycle. (Fr) Can. Vet. J. 7(10):219-223. Ref. Oct.1966. 41.8 R3224
English summary.
- 20191 GUSEV, A. A. Urease-active microflora of rumen in calves obtaining urea in their feeding rations. (Rus) Veterinariya 6:23-24. June 1966. 41.8 V6426
- 20192 GUSTAVSSON, I. Chromosome abnormality in cattle. Nature [London] 211(5051):865-866. Ref. Aug.20,1966. 47.2 N21
- 20193 GUTOWSKI, B., BAREJ, W., and KULASEK, G. Diffusion of urea from blood into saliva, rumen and milk in cattle. (Pol) Roczn. Nauk Roln. 88-B-4:359-367. 1966. 20.5 R59
English summary.
- 20194 GUTTENMANN, W. H., and LISK, D. J. Metabolism of Daconil (Tetrachloroisophthalonitrile) and Dacthal pesticides in lactating cows. J. Dairy Sci. 49(10):1272-1276. Oct. 1966. 44.8 J822
- 20195 HAARTSEN, P. I. Gas poisoning in a cowshed as a result of agitation in the slurry tank. (Du) Tijdschr. Diergeneesk. 91(16):997-1001. Aug. 1966. 41.8 T431
English summary.
- 20196 HAASMAN, S., and THIEME, D. Payment by quality of raw milk and its consequences for the work of veterinary practitioners. (Ge) Monatsh. Veterinarmed. 21(18):690-693. Ref. Sept.15,1966. 41.8 M742
English summary.
Includes resazurin test.
- 20197 HAMMOND, D. M., ERNST, J. V., and MINER, M. L. The development of first generation schizonts of Eimeria bovis. J. Protozool. 13 (4):559-564. Ref. Nov.1966. 43.9.8 J82
- 20198 HANSON, L. E., and others. Leptospiral serotypes in Illinois cattle and swine. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:164-169, map. Ref. 1965, pub.1966. 49.9 Un3R
P. R. Schnurrenberger, R. B. Marshall, and G. W. Scherrick, joint authors.
- 20199 HARRINGTON, R., and KARLSON, A. G. Differentiation between Mycobacterium tuberculosis and Mycobacterium bovis by in vitro procedures. Amer. J. Vet. Res. 27(120):1193-1196. Ref. Sept.1966. 41.8 Am3A
- 20200 HARRIS, W. F. A case report with discussions on non-protein nitrogens and oxalates. Ill. Vet. 9(1):17-18, 20-23. Winter 1966. 41.8 IL62
Effects on cattle; includes toxicity of urea as a non-protein nitrogen source in feed.
- 20201 HARRISON, W. G. Calf scours. Feed Indus. Conf. Proc., 5th Annu. Conf.:22-24. 1965. 38.9 F325
- 20202 HARVILLE, D. A., and HENDERSON, C. R. Interrelationships among age, body, weight, and production traits during first lactations of dairy cattle. J. Dairy Sci. 49(10):1254-1261. Ref. Oct.1966. 44.8 J822
- 20203 HAYNES, N. B., and NICOLETTI, P. Health hazards multiply in large herds. Hoard's Dairyman 111(21):1289,1334-1335. Nov.10, 1966. 44.8 H65
Disease prevention in the dairy cattle.
- 20204 HEALEY, J. S. The small brown stomach worm of cattle. Agr. Gaz. New S. Wales 77(5):286-288. May 1966. 23 N472
- 20205 HEMMINGSEN, I. Erosiones et ulcera abomasi bovis. (Da) Nord. Veterinarmed. 18(7/8):354-365. July/Aug.1966. 41.8 N813
English summary.
- 20206 HERTZ-LUKANSKA, F., KRYNSKI, A., and NYREK, S. The ceruloplasmin and copper in serum of calves and heifers. (Pol) Pol. Arch. Weter. 9(4):739-743. Ref. 1966. 41.8 P76
English summary.
- 20207 HIBBITT, K. G. The induction of ketosis in the lactating dairy cow. J. Dairy Res. 33(3):291-298. Ref. Oct.1966. 9.8 J823
With injections of L-thyroxine.
- 20208 HODGSON, J., and SPEDDING, C. R. W. The health and performance of the grazing animal in relation to fertilizer nitrogen usage. I. Calves. J. Agr. Sci. 67(2):155-167. Ref. Oct. 1966. 10 J822
Significance in scours studies and growth of animals.
- 20209 HOLTENIUS, P., and JACOBSSON, S. O. Ornithine-carbamyl transferase (OCT) activity in ruminants. Cornell Vet. 56(2):187-195. Apr. 1966. 41.8 C81
Cattle.
- 20210 HORE, D. E. Nasal granuloma in Victorian dairy cattle. Australian Vet. J. 42(8):273-278. Ref. Aug.1966. 41.8 Au72
- 20211 HORNEY, F. D. Anesthesia in the bovine. Can. Vet. J. 7(10):224-230. Ref. Oct.1966. 41.8 R3224
- 20212 HUBBARD, D. D. The nitrate problem: how to combat it. Cattleman 53(7):35,53-54,56. Dec. 1966. 49 C29
Toxicity in forage plants.
- 20213 HYLDGAARD-JENSEN, C. The use of KAV 25 in the veterinary care of cattle. Blue Book Vet. Prof. 10:20-22. 1965. 41.9 B61Ae
Vaccine with minor elements added, for calf infections.
- 20214 IGRITAN, A. Some observations on the leukemia of cattle. (Rum) Rev. Zootech. Med. Vet. 16(8):69-71. Aug.1966. 49 P943
- 20215 IOSIFOV, K., and others. Studies on the oestral secretion of cows. I. Studying the contents of stalic acids and amino sugars. (Bu) Vet. Med. Nauk. 3(5):547-550. 1968. 41.8 V6468
G. Georgiev, M. Matlieva, and E. Tsekova, joint authors.
English summary.
- 20216 IVANOV, P., VANKOV, K., and ALEKSIEV, A. Comparative trials for determining the optimal liveweight of entire and castrated bull calves, intensively fattened. (Bu) Zhivotnovudni Nauk. 3(1):93-102. Ref. 1966. 49 Z65
English summary.
- 20217 JENNINGS, F. W., and others. Experimental Ostertagia ostertagi infections in calves; studies with abomasal cannulas. Amer. J. Vet. Res. 27(120):1249-1257. Ref. Sept.1966. 41.8 Am3A
J. Armour, D. D. Lawson, and R. Roberts, joint authors.
- 20218 JOHNS, C. K. Use of sanitizers in preventing intra-mammary infections. J. Milk Food Technol. 29(10):309-312. Ref. Oct.1966. 44.8 J824
- 20219 JOHNSON, J. E. Metabolism of fallout cesium-137 in bovine. Diss. Abstr., Sect. B, 27(4):1198B. Oct.1966. Z5055,U49D53
- 20220 JOHNSON, R. J., and DYER, I. A. Effect of orally administered tryptophan on tryptophan pyrrolase activity in ovine and bovine. Life Sci. 5(12):1121-1124. June 1966. 44.8 L62
- 20221 JOHNSTON, P. V., and ROOTS, B. I. Axon hillock of neurones of the lateral vestibular nucleus of the ox. Nature [London] 211(5053):1101-1102. Sept.3,1966. 47.2 N21
- 20222 JONES, G. W., and EDWARDS, S. J. Examination of an antibiotic produced by coagulase-negative staphylococci isolated from the bovine udder. J. Dairy Res. 33(3):271-276. Oct.1966. 44.8 J823

- 20223 KAADEN, O. R. Serological and virological investigations of the intra oculi in foot-and-mouth disease infected cattle. I-II. (Ge) Arch. Exp. Veterinarmed. 20(3):589-597. Ref. June 1966. 41.8 Ex7
- 20224 KAHRS, R. F., and BAKER, J. A. Combined vaccines for dairy cattle. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:177-182. 1965, pub. 1966. 49.9 Un3R
- 20225 KANEKO, J. J., LUICK, J. R., and RHODE, E. A. The metabolism of C^{14} -labeled glucose in the diabetic cow. Cornell Vet. 56(3):401-408. Ref. July 1966. 41.8 C81
- 20226 KATZ, I., and KEENEY, M. Characterization of the octadecenoic acids in rumen digesta and rumen bacteria. J. Dairy Sci. 49(8):962-966. Ref. Aug. 1966. 44.8 J822
Tests with cattle.
- 20227 KATZ, I., and KEENEY, M. Occurrence of ketostearic acids in the rumen. J. Dairy Sci. 49(8):967-970. Aug. 1966. 44.8 J822
Cattle.
- 20228 KEHOE, J. M. Bovine Mycoplasma mastitis: studies on characteristics of the agents and the host response. Diss. Abstr., Sect. B, 27(4): 1032B. Oct. 1966. Z5055 U49D53
- 20229 KENDALL, K. A., and others. Dairy cows develop milk fever when extra calcium is added to ration. Ill. Res. 8(4):14-15. Fall 1966. 100 IL64
K. E. Harshbarger, R. L. Hays, and E. E. Ormiston, joint authors.
- 20230 KESSLER, H., LIEBETRAU, R., and OETZEL, H. On the use of the perphenazine derivative "frenolon egyt" in cattle and pigs. (Ge) Monatsh. Veterinarmed. 21(16):613-618. Ref. Aug. 15, 1966. 41.8 M742
English summary.
As sedative, chiefly.
- 20231 KHAJURIA, R. R., and RAZDAN, M. N. Hematological studies in dairy cattle. I. Erythrocyte count, erythrocyte size, packed cell volume and hemoglobin. Indian Vet. J. 43(8):713-720. Ref. Aug. 1966. 41.8 In2
- 20232 KHAJURIA, R. R. Incidence and control of parafilaria in bovines in Jammu Province. Indian Vet. J. 43(8):749-750. Aug. 1966. 41.8 In2
- 20233 KHRISTOFOROV, L., ENCHEV, S., and NEDYALKOV, S. On the haemagglutination test with milk serum in tuberculous cows. (Bu) Vet. Med. Nauk. 3(6):571-578. Ref. 1966. 41.8 V6468
English summary.
- 20234 KIELSTEIN, P. Comparative antigen-analytical investigations of some dermatophytes and mold fungi with the help of agar gel precipitation test. (Preliminary report). (Ge) Arch. Exp. Veterinarmed. 20(3):523-540. Ref. June 1966. 41.8 Ex7
In relation to Trichophyton infections of cattle.
- 20235 KLEEBOERG, H. H., NIXON, R. C., and WORTHINGTON, R. W. Evaluation of isoniazid in the field control of bovine tuberculosis. S. Afr. Vet. Med. Ass. J. 37(2):219-228. Ref. June 1966. 41.8 So8
In South Africa.
- 20236 KOMOROWSKI, H. Lesions of the rumen with the peritoneum in a cow shortly before labor as the cause of a mistaken suspicion of acute traumatic inflammation of the reticulum. (Pol) Med. Weter. 22(9):569. Sept. 1966. 41.8 M463
- 20237 KON'KO, E. A. Treatment of cattle mastitis. (Rus) Veterinariya 6:94-95. June 1966. 41.8 V6426
- 20238 KONYUKHOV, M. P., and POLUBOYAROVA, G. V. Parasite-carrying capacity and immunity in cattle affected with theileriosis. (Rus) Veterinariya 6:44-46. June 1966. 41.8 V6426
- 20239 KOOPMAN, J. J. A comparative examination of the faeces of cattle for eggs of Fasciola hepatica. (Du) Tijdschr. Diergeneesk. 91(21): 1341-1348. Nov. 1, 1966. 41.8 T431
English summary.
- 20240 KRAACK, J. Untersuchungen über den Zellgehalt normaler und veränderter Milch unter besonderer Berücksichtigung von Zellzahl und Zellart sowie über ein geeignetes Verfahren zur Zellzählung [Investigations on the cell content of normal and changed milk with special emphasis on cell count and cell species as well on a suitable method for cell counting]. Hannover. Tierarztl. Hochschule. Inaug.-Diss. 30, 53 p. Ref. 1965. 41.2 H198
From mastitis-infected cattle.
- 20241 KRADEL, D. C. Hypomagnesemia—a diagnostic enigma. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:547-553. Ref. 1965, pub. 1966. 49.9 Un3R
Cattle.
- 20242 KREDIET, P., and WIERTZ-HOESSELS, E. L. M. J. The development of the pericardium and the diaphragma. (Du) Tijdschr. Diergeneesk. 91(15):943-949. Aug. 1, 1966. 41.8 T431
English summary.
Cattle.
- 20243 KULASEK, G. Digestion processes in large intestine of heifers. I. Metabolism and absorption of nitrogen compounds and volatile fatty acids in large intestine. (Pol) Roczn. Nauk Roln. 88-B-4:369-383. Ref. 1966. 20.5 R59
English summary.
- 20244 KULASEK, G. Digestion processes in large intestine of heifers. 2. Ammonium ion sorption from cecum and passage of urea from blood through cecum walls into its content. (Pol) Roczn. Nauk Roln. 88-B-4:385-394. Ref. 1966. 20.5 R59
English summary.
- 20245 KWIATKOWSKI, T., PRES, J., and KROLICZEK, A. The behaviour of certain metabolites in the blood of young cattle fed with large quantities of carbohydrates. (Pol) Med. Weter. 22(6):366-369. Ref. June 1966. 41.8 M463
English summary.
- 20246 KYURTOV, N., DENEV, I., and TANTILOV, A. Experiments for premunition of cattle against francisellosis; first communication. (Bu) Vet. Med. Nauk. 2(10):981-988. Ref. 1965. 41.8 V6468
English summary.
- 20247 LABORIE, F., and LABORIE, R. Concerning the reality of tuberculinization by intravenous method for the eradication of bovine tuberculosis. (Fr) Rec. Med. Vet. 142(8):703-728. Ref. Aug. 1966. 41.8 R24
English summary.
- 20248 LANGE, W., WACHTEL, W., and DECKER, W. Reflex effect of electric impulses on blood pressure of cattle. (Ge) Arch. Exp. Veterinarmed. 20(3):451-464. Ref. June 1966. 41.8 Ex7
- 20249 LANKES, H. Gammatonin in the prevention and treatment of disease in calves during rearing. Blue Book Vet. Prof. 10:22-24. 1965. 41.9 B61ae
- 20250 LEIKINA, E. S., and others. Immunodiagnosis of cattle cysticercosis and methods of evaluating the results. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(2):157-164. Mar./Apr. 1966. 44.8 M469
O. M. Sholovskaya, O. G. Poletaeva, O. O. Astakhona, and P. N. Moskvina, joint authors.
English summary.
- 20251 LE PENNEC, J. Bovine abortions of fungal origin. (Fr) Soc. Vet. Prat. France. Bull. Mens. 50(2):138-146. Ref. Feb. 1966. 41.9 So12
- 20252 LE PENNEC, J., and GOYON, M. Contribution to the study of bovine antibodies to brucellosis; the evolution of different categories of antibodies, their appearance and their selection in serology, and proposed techniques and prevention method. (Fr) Soc. Vet. Prat. France. Bull. Mens. 50(1):49-73. Ref. Jan. 1966. 41.9 So12
Includes discussion; and further discussion, 50(2):120-130; 50(3):167; 50(4):185-187. Feb.-Apr. 1966.

- 20253 LE PENNEC, J., and EMERIAU, J. P. Contribution to the study of bovine brucellar antibodies. (Fr) Soc. Vet. Prat. France, Bull. Mens. 50(6):294-298. June 1966. 41.9 So12
- 20254 LE PENNEC, J. Heat-stable Brucella antibodies in cattle. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(5):179-208. Ref. May 1965. 41.9 So12
Discussion, 49(10):341-342. Dec. 1965.
- 20255 LE PROVOST, F. A new synthetic choleretic, 4-(4-methoxynaphthalene-(1)-4-oxobutyric acid) in the treatment of troubles of the liver and stomach in cattle and pigs. (Fr) Soc. V. Vet. Prat. France, Bull. Mens. 50(4):188-199. Apr. 1966. 41.9 So12
Also called Genabiline.
Include discussion.
- 20256 LIPNICKI, J. Obligatory principles in diagnosis and control of cattle brucellosis. (Pol) Med. Weter. 22(8):483-488. Ref. Aug. 1966. 41.8 M463
- 20257 LOEFFLER, K. Blood supply to vessels in skin of cattle. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(19):365-367. Ref. Oct. 1, 1966. 41.8 B45
English summary.
- 20258 MACIOLEK, H. Observations of the treatment of extensive necrosis of the skin by the grafting of dermal and epithelial patches in a heifer. (Pol) Med. Weter. 22(6):371-372. June 1966. 41.8 M463
- 20259 MACIOLEK, H. The use of Eikonol and Filpon in the treatment of rumen bloat in cattle. (Pol) Med. Weter. 22(4):226. Apr. 1966. 41.8 M463
- 20260 MAKAROVA, G. A., and INTIZAROV, M. M. Complications in cattle after vaccination against foot-and-mouth disease. (Rus) Veterinariya 6:31-32. June 1966. 41.8 V6426
Anaphylaxis.
- 20261 MARTENEN, M. On tuberculin tests effected at the time of parturition. (Fr) Soc. Vet. Prat. France, Bull. Mens. 49(5):209-212. May 1965. 41.9 So12
Risks with cows.
- 20262 MARTYNENKO, N. A., and others. Stimulation of generative function of ovaries in cows. (Rus) Veterinariya 6:85-88. June 1966. 41.8 V6426
A. V. Kvasnitskii, L. T. Andriyash, and G. D. Katsy, joint authors.
With choriongonin and pregnant mare's serum.
- 20263 MARZULLO, D. E., and CARRAZZONI, J. A. Pregnancy, parturition and weaning time on cattle farms of the Pampas region. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):219-222, 224-226, 228-230, 232-233. Ref. May/June 1966. 41.8 B86
- 20264 MASON, R. A. In vitro incorporation of glycine by bovine erythrocytes infected with Anaplasma marginale. Diss. Abstr., Sect. B, 27(3):686B. Sept. 1966. Z5055, U49D53
- 20265 MATHER, M. F., and DEDRICK, R. S. Displacement of the abomasum. Cornell Vet. 56(3):323-344. Ref. July 1966. 41.8 C81
Cattle.
- 20266 MAYER, G. P., RAMBERG, C. F., and KRONFELD, D. S. Parathyroidectomy of the bovine. J. Dairy Sci. 49(10):1288-1291. Oct. 1966. 44.8 J822
- 20267 MCKERCHER, D. G., and others. Epizootiologic and immunologic studies of epizootic bovine abortion. Cornell Vet. 56(3):433-450. Ref. July 1966. 41.8 C81
E. M. Wada, E. A. Robinson, and J. A. Howarth, joint authors.
- 20268 MELICK, R. A. Immunoassay of parathyroid hormone in bovine plasma. Australian J. Exp. Biol. Med. Sci. 44(5):553-558. Oct. 1966. 44.8 Au7
- 20269 MELLIN, T. N., ERB, R. E., and ESTERGREEN, V. L. Urinary excretion of estrogen by the bovine before and after parturition. J. Anim. Sci. 25(4):955-961. Ref. Nov. 1966. 49 J82
- 20270 MERRILL, W. G. An approach to mastitis control. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:69-77. 1966. 44.9 N4833
- 20271 MESHCHERYAKOVA, I. S., and IVANOVA, M. A. Serological methods of the examination of domestic livestock for tularemia. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 3:53-55. Mar. 1966. 44.8 Z4
English summary.
Cattle and swine.
- 20272 MEYERHOLZ, G. W., and FRYMAN, L. R. Relationship of age and stage of lactation to mastitis in dairy cows. III. Res. 8(4):5. Fall 1966. 100 IL64
- 20273 MICHALIK, J. Immunoelectrophoretic analysis of uterine cervical mucus in cows. II. (Pol) Med. Weter. 22(4):230-232. Ref. Apr. 1966. 41.8 M463
In relation to sexual cycle.
- 20274 MICHEV, M. Investigation on the effect of the petroleum growth substance NRV (naphtha growth stimulator) on the first 6 months growth of Bulgarian Red calves. (Bu) Zhivotnovudni Nauk. 3(2):215-219. 1966. 49 Z65
German summary.
- 20275 MIGLIORE, D., ACHARYA, N. P. V., and JOLLES, P. Characterization of important quantities of glutamic acids in the walls of Mycobacteria strains virulent to man. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(11):846-848. Ref. Sept. 12, 1966. 505 P21
Includes Mycobacterium bovis and M. avium.
- 20276 MITCHELL, B. Local analgesia of the bovine horn and horn base. Vet. Rec. 79(5):133-135. Ref. July 30, 1966. 41.8 V641
In dehorning.
- 20277 MODERN VETERINARY PRACTICE. Our panel reports: how prevalent is IBR-VD among dairy cattle in your practice? What treatment and control measures do you recommend? Mod. Vet. Pract. 47(13):63-64, 66. Nov. 1966. 41.8 N812
Members: L. A. Brengle, R. S. Smith, G. Sveinsson, H. E. Riggs, R. W. Ormsbee, H. E. Hill, and N. Van Hoesen.
- 20278 MOLELLO, J. A. Infectious bovine rhinotracheitis abortion. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:543-546. Ref. 1965, pub. 1966. 49.9 Un3R
Through the administration of vaccines.
- 20279 MORROW, D. A. Analysis of herd performance and economic results of preventive dairy herd health programs. I. Vet. Med./Small Anim. Clin. 61(5):474-483. Ref. May 1966. 41.8 M69
- 20280 MORROW, D. A. Analysis of herd performance and economic results of preventive dairy herd health programs. II. Vet. Med./Small Anim. Clin. 61(6):577-582. (Concl.) June 1966. 41.8 M69
- 20281 MOULTON, J. E., and GARG, S. P. Effects of actinomycin D on tissue culture cells transformed by bovine papilloma virus in tissue culture. Amer. J. Vet. Res. 27(120):1475-1477. Sept. 1966. 41.8 Am3A
- 20282 MOULTON, J. E., GARG, S. P., and FRAZIER, L. M. Morphological changes in cells transformed in vitro by bovine papilloma virus. Cornell Vet. 56(3):427-433. Ref. July 1966. 41.8 C81
- 20283 MULLER, L. D., and DAVIS, C. L. Incorporation of acetate-1-C¹⁴ into fatty acids by whole blood from bovine. J. Dairy Sci. 49(9):1134-1136. Sept. 1966. 44.8 J822
- 20284 MURRAY, D. M. Effect of clipping and of shading calves on cutaneous evaporation. Australian Soc. Anim. Prod. Proc. 6:424-426. 1966. 49.9 Au72
- 20285 MYLREA, P. J. Digestion in young calves fed whole milk ad lib. and its relationship to calf scour. Res. Vet. Sci. 7(4):407-416. Ref. Oct. 1966. 41.8 R312
- 20286 MYLREA, P. J. Digestion of milk in young calves. II. The absorption of nutrients from the small intestine. Res. Vet. Sci. 7(4):394-406. Ref. Oct. 1966. 41.8 R312
- 20287 NAGEL, E. On the problem of roentgenography of abomasum of adult cattle. (Ge) Arch. Exp. Veterinarmed. 20(3):609-654. (Cont.) June 1966. 41.8 Ex7

- 20289 NATZKE, R. P., SCHULTZ, L. H., and KO-
WALCZYK, T. Effect of antibiotic administra-
tion on mastitis screening tests and milk com-
position. *J. Dairy Sci.* 49(8):948-952. Ref.
Aug.1966. 44.8 J822
- 20289 NESENI, R., and OTTO, E. Mineral content of
cattle hair; the situation on young bulls and
suckling calves. (Ge) *Wien. Tierarztl. Mon-
atsschr.* 53(7):441-448. Ref. July 1966.
41.8 T345
English summary.
- 20290 NICOLETTI, P., and FINCHER, M. G. The re-
covery of *Brucella abortus* Strain 19-like or-
ganisms; a case report. *Cornell Vet.* 56(2):
167-171. Apr.1966. 41.8 C31
Isolated from the milk of a heifer.
- 20291 NOVAZZI, G. On two cases of acardius amorph-
us in cattle. (It) *Clin. Vet.* 89(7):207-214.
July 1966. 41.8 C61
- 20292 NYHAN, J. F., and COWHIG, M. J. Practical
methods for controlling mastitis. *Irish Vet. J.*
(n.s.)20(8):150. Aug.1966. 41.8 Ir4
In the dairy herd.
- 20293 NYIREDY, I., HEJJ, L., and TUBOLY, S. The
role of saprophytic mycobacteria in inducing
tuberculin sensitivity in cattle. (Hu) *Magyar
Allatorv. Lapja* 21(10):433-439. Ref. Oct.1966.
41.8 V644
English summary.
- 20294 OMAR, A. R., JENNINGS, A. R., and BETTS,
A. O. The experimental disease produced in
calves by the J121 strain of parainfluenza virus
type 3. *Res. Vet. Sci.* 7(4):379-388. Ref. Oct.
1966. 41.8 R312
- 20295 ORGANIZATION FOR AFRICAN UNITY, SCI-
ENTIFIC, TECHNICAL AND RESEARCH COM-
MISSION. Joint campaign against rinderpest. I.
Final report, November, 1965. *Bull. Epizoot.
Dis. Afr.* 14(2):153-228, map. June 1966.
41.8 B872
Text also in French.
- 20296 OTTO, H. Untersuchungen über Häufigkeit,
Vorkommen, Lokalisation und Ursachen von
Gliedermassenerkrankungen beim Rind am
Krankengut der Klinik für Rinderkrankheiten in
den Jahren 1961/62/63 [Investigations on the
frequency, occurrences, localization and
causes of limb diseases of cattle in the hospital
farm of the Clinic for Cattle Diseases in the
years 1961/62/63]. Hanover, Tierarztl. Hoch-
sch. Inaug.-Diss. 37, 69 p. 1965. 41.2 H198
Bibliography, p.61-68.
- 20297 OWEN, N. V. Infectious bovine rhinotracheitis:
virologic, pathologic, and immunologic aspects
associated with abortion. *Diss. Abstr.*, Sect.
B. 27(3):864B-865B. Sept.1966. Z5055.U49D53
- 20298 OZOLS, A., and others. Gas-energy exchange
and alterations of blood serum biological prop-
erties in calves. (La) *Latv. PSR Zinat. Akad.
Vestis* 1:89-94. 1966. 511 R442
G. Grundmanis, A. Bulke, and M. Valiniece,
joint authors.
English summary.
- 20299 PANAITESCO, D. Contributions to the study of
the primary fluorescence of hydatids. (Fr)
Arch. Roumaines Pathol. Exp. Microbiol. 24
(2):459-466. June 1965. 446.3 Ar22
English summary.
Includes cattle.
- 20300 PARKOV, V. A. Tetracycline introduction into
cow udder tissues by means of ultrasound.
(Rus) *Veterinariya* 6:88-91. June 1966.
41.8 V6426
- 20301 PARKER, W. H. Respiratory disease (epizootic
bronchitis) in housed calves. *Veterinarian
[Oxford]* 3(4):235-242. Ref. Dec.1965.
41.8 V6467
- 20302 PASCOE, R. R. A new calcium complex for
the treatment of milk fever in cattle. *Austra-
lian Vet. J.* 42(9):344-345. Sept.1966.
41.8 Au72
Discussion.
- 20303 PATHAK, R. C., and MITAL, K. R. Isolation of
Aspergillus fumigatus from the cervical mucus
of a cow suffering from metritis. *Cur. Sci.*
35(12):312. June 20, 1966. 475 Sci23
- 20304 PATYK, S. *Coccidia* of cattle in recuperated
territories. (Pol) *Wrocław. Wyzsza Szkoła
Roln. Zeszyty Nauk. Weter.* 17:87-95. Ref.
1964. 41.9 B753
English summary.
- 20305 PAUL, J. P. La rétention lactée d'origine
fonctionnelle chez la vache [Milk retention of
functional origin in the cow]. *Alfort. Ecole Nat.
Vet.* These 30,75 p. Ref. 1966. 41.2 AL23
- 20306 PEARSON, C. C. Control of anaplasmosis by
vaccination. *U. S. Livestock Sanit. Ass. Proc.*,
69th Annu. Meeting:111-112. 1965, pub.1966.
49.9 Un3R
- 20307 PEARSON, C. W., and MCPHERSON, G. A
modified complement fixation test for contagi-
ous bovine pleuropneumonia. *Australian Vet. J.*
42(9):324-327. Sept.1966. 41.8 Au72
- 20308 PEKKANEN, T. J. On laboratory diagnosis of
mastitis in veterinary practice. (Fi) *Suomen
Eläinlääkärilihti* 72(8):312-314. Aug.1966.
41.8 F49
English summary.
- 20309 PEREZ Y PEREZ, F. *Brucellosis* and steril-
ity. (Sp) *Veterinaria [Madrid]* 80(9):517-
530. Sept.1965. 41.8 V6429
Cattle.
- 20310 PERTIERRA, C., and TUNON, J. Dental pros-
thesis for cattle. (Sp) *Rev. Med. Vet. [Buenos
Aires]* 47(3):239-242. May/June 1966.
41.8 B86
- 20311 PHANEUF, L. P. Quest for a ruminant repel-
lent—a preliminary report. *Saint-Hyacinthe.
Ecole Med. Vet. Inform. Vet.* 8(3):43-46.
May/June 1966. 41.9 Sa2
- 20312 PLASCHE, W., and KRAMM, D. Data on the
cysticercosis problem as approached by the
slaughtering house of Berlin. (Ge) *Monatsh.
Veterinarmed.* 21(17):645-649, map. Sept.1,
1966. 41.8 M742
English summary.
Cattle.
- 20313 PODBIELSKI, T., GASTOROWSKI, R., and
ROZYNEK, H. Microelements in treating pap-
illomatosis of cattle. (Pol) *Med. Weter.* 22(9):
541-543. Ref. Sept.1966. 41.8 M463
- 20314 POPOVIC, V., CARSTET, I., and COMAN, I.
A contribution to the study of the infection by
Miyagawaviruses group viruses in cattle. I. Virus
isolation from calves with enteric and pneumo-
pathies and from healthy calves. (Rum) *Rum.
Inst. Cercet. Vet. Bioprep. "Pasteur."* *Lucra-
rile* 21(1):225-243. Ref. 1963, pub.1965.
41.9 R863
English summary.
- 20315 PORTER, R. M., CONRAD, H. R., and GIL-
MORE, L. O. Milk secretion rate as related to
milk yield and frequency of milking. *J. Dairy
Sci.* 49(9):1064-1067. Ref. Sept.1966.
44.8 J822
- 20316 POST, R., and JAARTSVELD, F. H. J. The
value of the Brabant mastitis test as a diag-
nostic aid in mastitis control. (Du) *Tijdschr.
Diergeneesk.* 91(20):1292-1302. Oct.15, 1966.
41.8 T431
English summary.
- 20317 PRESSENDA, F. Problem of haunched calves
in Alba. (It) *Inform. Zootec.* 13(6):250-251,
253. Mar.31, 1966. 49 In3
Value as meat producers.
- 20318 PROVOST, A. A point of history concerning
nucal disease. (Fr) *Soc. Vet. Prat. France.
Bull. Mens.* 49(4):123-124. Apr.1965.
41.9 So12
- 20319 PYTEL, S., and SWIEZYNSKI, K. Two cases
of diprosopus in calves. (Pol) *Med. Weter.*
22(9):546-550. Sept.1966. 41.8 M463
- 20320 RANNEY, A. F. The status of the State-Federal
Tuberculosis Eradication Program. *U. S.
Livestock Sanit. Ass. Proc.*, 69th Annu. Meet-
ing: 429-438, map. 1965, pub.1966. 49.9 Un3R
Chiefly in cattle.

- 20321 REDAELLI, G. Clinical aspects, anatomical and histopathological, of chronic mastitis by *Streptococcus agalactiae* and *Staphylococcus aureus*. (It) Arch. Vet. Ital. 17(3/4):201-235. Ref. Aug. 31, 1966. 41.8 Ar25
English summary.
In cattle.
- 20322 REED, C. F., and SCHNURRENBERGER, P. R. Q fever surveillance in Ohio. Amer. J. Epidemiol. 84(2):234-240, map. Ref. Sept. 1966. 449.8 Am3
Coxiella burnetii as agent of Q fever in cattle.
- 20323 REYNOLDS, G. E. Vibriosis in range cattle. Oreg. State Univ. Ext. FS 107, rev., 1 p. Sept. 1966. 275.29 Or36
- 20324 RICE, C. E., and SMITH, H. J. Serological studies of parasitized cattle. I. Complement-fixing activity of serial serum samples. Can. J. Comp. Med. Vet. Sci. 30(9):245-250. Ref. Sept. 1966. 41.8 C162
- 20325 RICHARDS, R. J. Antibiotics for mastitis, benefits and problems. Agr. Gaz. New S. Wales 77(5):283-285. May 1966. 23 N472
Cattle.
- 20326 ROBERTSHAW, D., and WHITTOW, G. C. The effect of hyperthermia and localized heating of the anterior hypothalamus on the sympatho-adrenal system of the ox (*Bos taurus*). J. Physiol. 187(2):351-360. Ref. Nov. 1966. 447.8 J82
- 20327 ROBINSON, R. A. Field and experimental epidemiology of *Salmonella* [typhimurium] infection in calves. New Zeal. Soc. Anim. Prod. Proc., 26th Annu. Conf.:134-144. 1966. 49.9 N483
Includes discussion.
- 20328 ROGEEZ, F. Prevention et traitement de quelques complications du post-partum chez la vache par l'association de 5-hydroxytryptamine et d'ergometrine [Prevention and treatment of some complications after labor in the cow by 5-hydroxytryptamine and ergometrine]. Alfort. Ecole Nat. Vet. These 47,75 p. Ref. 1966. 41.2 AL23
- 20329 ROGGERO, V., and AIMAR, M. Collateral therapy in diarrhea of calves. (It) Nuovo Prog. Vet. 21(12):590,592. June 30, 1966. 41.8 P942
Electrolyte and amino acid solutions.
- 20330 ROJAHN, A. Control of rinderpest by the state. (Ge) Deut. Tierärztl. 14(8):370,372, 374. Aug. 5, 1966. 41.8 D484
- 20331 ROMAGOSA VILA, J. A. Economic and health importance of tuberculosis and brucellosis. (Sp) Veterinaria [Madrid] 30(9):531-537. Sept. 1965. 41.8 V6429
Spain; chiefly cattle.
- 20332 ROSS, D. B. The effect of thiabendazole on *Dictyocaulus viviparus* in experimentally infected calves. Vet. Rec. 79(11):300-306. Sept. 10, 1966. 41.8 V641
- 20333 RUSHFORD, B. H. Non-specific reactors to the single caudal fold tuberculin test in dairy cattle in Victoria. Australian Vet. J. 42(9):350-352. Sept. 1966. 41.8 Au72
Discussion.
- 20334 SÄNDER, H. Behandlung der Genitalkatarrhe des Rindes mit Tardomyocel-Leukomycin-Marbadal, Tardomyocel-Streptomycin-Marbadal und Zufütterung von Agricolan unter Berücksichtigung der Milchleistung [Treatment of genital catarrh of cattle with tardomyocel-leukomycin-marbadal, tardomyocel-streptomycin-marbadal and with additional feeding of Agricolan with emphasis on milk performance]. Hanover. Tierärztl. Hochsch. Inaug.-Diss. 4,81 p. 1966. 41.2 H198
Bibliography, p. 72-81.
- 20335 SANDERSON, C. J. The effect of slow and quick-release preparations of penicillin against *Streptococcus agalactiae* infection. Vet. Rec. 79(12):328-330. Ref. Sept. 17, 1966. 41.8 V641
Of cattle in Australia.
- 20336 SANTIAGO LUQUE, J. M. Interdependence, etiology and epidemiology of human and bovine tuberculosis. (Sp) Veterinaria [Madrid] 30(5):293-303. May 1965. 41.8 V6429
- 20337 SASTRADIPRADJA, D., Basal metabolism in Indonesian waterbuffaloes. Commun. Vet. 9 (2):29-34. Dec. 1965. 41.8 C73
- 20338 SAVOV, N. Antigenic characteristics of *Vibrio* strains isolated from animals. (Bu) Vet. Med. Nauk. 3(6):585-594. Ref. 1966. 41.8 V6468
English summary.
From cattle and pigs.
- 20339 SAVOV, N. Fourth communication; serological diagnostic tests in vibriosis in cattle. (Bu) Vet. Med. Nauk. 2(10):943-949. Ref. 1965. 41.8 V6468
English summary.
- 20340 SAVOV, N. Second communication; immunofluorescent microscopy in vibriosis. (Bu) Vet. Med. Nauk. 2(10):936-938. 1965. 41.8 V6468
English summary.
In cattle.
- 20341 SAVOV, N. Third communication; allergy in cattle affected with vibriosis. (Bu) Vet. Med. Nauk. 2(10):938-942. 1965. 41.8 V6468
English summary.
- 20342 SCATOZZA, F., and GIULIONI, A. The occurrence and distribution in Italy of antibodies to some agents associated with respiratory diseases in bovine sera. I. Complement fixation test with Psittacosis-lymphogranuloma venereum antigen. (It) Arch. Vet. Ital. 17(3/4):173-184. Ref. Aug. 31, 1966. 41.8 Ar25
English summary.
- 20343 SCHEEL, E. H. Sulfamethazine prophylaxis in shipping fever. Mod. Vet. Pract. 47(13):75-76. Nov. 1966. 41.8 N812
Of calves.
- 20344 SCHLEGER, A. V. Relationship between cyclic changes in the hair follicle and sweat gland size in cattle. Australian J. Biol. Sci. 19(4):607-617. Ref. Aug. 1966. 442.8 Au72
- 20345 SCHNIEDER, R., JASPER, D. E., and EIDE, R. N. The relationship between bulk tank microscopic cell counts and the individual cow-California mastitis test reactions. Amer. J. Vet. Res. 27(120):1169-1175. Ref. Sept. 1966. 41.8 Am3A
- 20346 SCHNURRENBERGER, P. R., MARTIN, R. J., and DOBY, P. B. Disease control through the study of population characteristics. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:29-34. 1965, pub. 1966. 49.9 Un3R
Epidemiological studies of cattle brucellosis in Illinois.
- 20347 SCHROTER, J., and SEIDEL, H. Determination of minerals in both the serum and milk of post-parturient cattle. (Ge) Monatsh. Veterinarmed. 21(16):606-613. Ref. Aug. 15, 1966. 41.8 M742
English summary.
- 20348 SCHULTZ, E. J. Mastitis. Md. Vet. 7(10):5-6. Oct. 1965. 41.8 M36
Of cattle.
- 20349 SCHWULST, F. J., and others. Use of oxytocin for estimating milk production of beef cows. J. Anim. Sci. 25(4):1045-1047. Nov. 1966. 49 J82
L. J. Sumption, L. A. Swiger, and V. H. Art-haud, joint authors.
- 20350 SEARL, R. C. Anaplasmosis—control. South-west. Vet. 19(4):291-293. Summer 1966. 41.8 So82
- 20351 SEELEMANN, M. Mastitis problems from the point of view of milk sanitation and milk control. (Ge) Suomen Eläinlääkärilihti 72(6/7):217-232. June/July 1966. 41.8 F49
- 20352 SEIFERT, G. W., and KENNEDY, J. F. Some observations on the birth weight of beef cattle. Australian Soc. Anim. Prod. Proc. 6:257-259. 1966. 49.9 Au72
- 20353 SHARRATT, R. K. The surgical correction of a case of anorectal agenesis in a calf. Vet. Rec. 79(4):108-110. July 23, 1966. 41.8 V641
- 20354 SHILKIN, J. Remarkable success of bovine T.B. eradication campaign. West. Australia. Dep. Agr. J. (ser. 4)6(10):629-631. Oct. 1965. 23 W52J

- 20355 SHIRLEY, R. L., and others. Effect of vitamin A and E on copper in heart of cattle. *Fla. Acad. Sci. Quart.* 29(1):67-72. Mar. 1966. 500 F66
H. L. Chapman, J. F. Easley, and T. J. Cunha, joint authors.
- 20356 SILBERMAN-ZIV, G. Bovine coliform mastitis. *Refuah Vet.* 23(1):46-39. Ref. Mar. 1966. 41.8 R25
Text also in Hebrew.
Caused by *Escherichia coli*.
- 20357 SIMEONOV, S., SAVOV, M., and ANDREEV, A. Study of the content of certain calcium and phosphorus forms in the blood serum of cows. (*Bu*) *Vet. Med. Nauk.* 3(6):609-615. Ref. 1966. 41.8 V6468
English summary.
- 20358 SIMMONS, K. R. Miniature radios are gathering information about cows. *Dairy Herd Manage.* 2(9):18-19. Oct. 1966. SF191.D3
- 20359 SIMPSON, C. F. Electron microscopy of arteriosclerosis in cows with Johne's disease. *Amer. J. Vet. Res.* 27(120):1197-1204. Ref. Sept. 1966. 41.8 Am3A
- 20360 SMITH, G. E. Help prevent toxic nitrate accumulation. *Hoards Dairyman* 111(20):1222. Oct. 25, 1966. 44.8 H65
In forage plants.
- 20361 SMITH, J. M. B. *Candida* infection in animals. *New Zeal. Vet. J.* 14(5/6):71. May/June 1966. 41.8 N483
Candida albicans infection of calves and piglets.
- 20362 SOBOCINSKI, M. Changes in the topography of lateral ligaments of the urinary bladder in the first weeks of life in calves. (*Pol*) *Wroclaw. Wyzsza Szkola Roln. Zeszty Nauk. Weter.* 17: 71-75. 1964. 41.9 B753
English summary.
- 20363 SOLIMAN, M. K., and others. Effect of stilbestrol on the blood picture of Friesian cows. *Acta Biol. [Budapest]* 17(3):248-254. Ref. 1966. 475 Ac85
K. Zaki, S. El Amrousi, A. H. Said, and F. A. Soliman joint authors.
- 20364 SPAHN, G. J., MOHANTY, S. B., and HETRICK, F. M. Experimental infection of calves with hemadsorbing enteric (HAE) virus. *Cornell Vet.* 56(3):377-386. July 1966. 41.8 C81
- 20365 SPRADBROW, P. B., and CLARK, L. Experimental infection of calves with a group B arbovirus (Kunjin virus). *Australian Vet. J.* 42(9):339-342. Ref. Sept. 1966. 41.8 Au72
Discussion.
- 20366 STANCHEVA, L. Effect of the urea on the ruminal motor activity in dairy cows. (*Bu*) *Zhivotnovodni Nauk.* 2(6):893-899. 1965. 49 Z65
English summary.
- 20367 STEGENGA, T. Prenatal effects on the fetus. (*Ge*) *Tierzuchter* 18(15):530-531. Aug. 5, 1966. 49 T445
Cattle.
- 20368 STOBER, M., and CLAUSEN, C. What is the outlook for success in treating foreign object infected cattle with orally administered permanent magnets? (*Ge*) *Tierarztl. Umsch.* 21(8): 391-394, 397-399. Ref. Aug. 1, 1966. 41.8 T445
- 20369 STOENESCU, A., and others. Study of the specific prevention of colibacillosis in calves. (*Rum*) *Rum. Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrarile* 2(1):241-251. Ref. 1963, pub. 1965. 41.9 R663
A. Gaiginschi, C. Bercovici, E. Ioan, N. Stavri, C. Minascuta, and G. Urma, joint authors.
English summary.
- 20370 STORMONT, C. What blood typing tells us. *Hoards Dairyman* 111(19):1151, 1182. Oct. 10, 1966. 44.8 H65
- 20371 STRAUB, O. C., and KIELWEIN, G. Experimental mastitis caused by coital exanthema virus. (*Ge*) *Berliner Munchener Tierarztl. Wochensh.* 79(16):310-312. Ref. Aug. 15, 1966. 41.8 B45
English summary.
Cattle.
- 20372 STROMER, M. H., GOLL, D. E., and ROBERTS, J. H. Cholesterol in subcutaneous and intramuscular lipid depots from bovine carcasses of different maturity and fatness. *J. Anim. Sci.* 25(4):1145-1147. Ref. Nov. 1966. 49 J82
- 20373 SUTEU, E. Chemical emergency prevention of babesiosis in cattle caused by *Babesia bovis* and *Babesia major*. (*Rum*) *Rev. Zootec. Med. Vet.* 16(8):56-62. Ref. Aug. 1966. 49 P943
English summary.
- 20374 SYLLA, D., KAHRS, R., and ROBSON, D. The use of filter paper discs in collection of blood specimens for serological studies. *Cornell Vet.* 56(3):409-418. Ref. July 1966. 41.8 C81
Cattle.
- 20375 SYMPOSIUM ON ATOMIC ENERGY IN ANIMAL SCIENCE. [Papers]. I-II. *J. Anim. Sci.* 25(4): 1209-1226. Ref. Nov. 1966. 49 J82
Contents: I, The Illinois animal science center: Performance characteristics and animal radioactivity measurement procedures, by T. G. Lohman, B. C. Breidenstein, A. R. Twardock, G. S. Smith; II, Estimation of carcass lean muscle mass in steers by K40 measurement, by T. G. Lohman, B. C. Breidenstein, A. R. Twardock, G. S. Smith, and H. W. Norton.
In beef cattle.
- 20376 SZAKALY, S. Diagnosis of mastitis and separation of infected milk. (*Hu*) *Magyar. Mezőgazdasag* 21(43):18-19. Oct. 26, 1966. 19 M27
- 20377 TAPANI, K. About public control and eradication program of bovine leukosis. (*Fi*) *Suomen Eläinlääkärilehti* 72(5):171-173. May 1966. 41.8 F49
English summary.
- 20378 TAYLOR, R. L., and others. Plasma cholesterol concentration in unsupplemented range cattle. *J. Anim. Sci.* 25(4):1035-1039. Ref. Nov. 1966. 49 J82
O. F. Pahnish, C. B. Roubicek, and W. H. Hale, joint authors.
- 20379 TEKLINSKI, A. The effect of lyophilization on the antigenic value of vaccine S-19. (*Pol*) *Med. Weter.* 22(8):476-483. Ref. Aug. 1966. 41.8 M463
English summary.
Cattle brucellosis immunization.
- 20380 TEKLINSKI, A. Influence of freeze-drying on the antigenic value of S-19 vaccine. *Mezőgazdasag. Inst. Weter. Bull.* 9(4):145-151. Ref. Oct./Dec. 1965. 41.9 P962
Tested on cattle with brucellosis.
- 20381 TETERIN, V. I. Experiment in finding preparations as anthelmintics against lungworms in Siberian stags and cattle. (*Rus*) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:50-54. July/Aug. 1966. 44.8 AL6
Trichlorophen used.
- 20382 THOMPSON, J. J., and LIARDET, D. M. Antigenic response in cattle to Clostridium welchii type D vaccine. *New Zealand Vet. J.* 14(8):126-127. Aug. 1966. 41.8 N483
- 20383 THURBER, S. W., DUNBAR, J. R., and SMITH, D. P. Effects of castration age and diethylstilbestrol on weight gains in male calves. *Calif. Agr.* 20(10):12-14. Oct. 1966. 100 C12Cag
- 20384 TOBLER, E. E. Collection of uterine fluid and uterine biopsy. *Vet. Med./Small Anim. Clin.* 61(8):779-781, 784-788. Aug. 1966. 41.8 M69
In bovine and equine species.
- 20385 TOMICKI, Z. Levels of some mineral compounds and protein in sera of cattle kept in different breeding conditions. (*Pol*) *Pol. Arch. Weter.* 9(4):701-718. Ref. 1966. 41.8 P76
English summary.
- 20386 TRAPP, A. L., and others. Lesions in calves exposed to agents associated with the shipping fever complex. *Amer. J. Vet. Res.* 27(120): 1235-1242. Ref. Sept. 1966. 41.8 Am3A
A. H. Hamdy, C. Gale, and N. B. King, joint authors.
Pasteurella, parainfluenza-3, and pleuropneumonia-like organisms.

- 20387 TREECE, J. M., MORSE, G. E., and LEVY, C. Lipid analysis of bovine tail canal keratin. *J. Dairy Sci.* 49(10):1240-1244. Ref. Oct. 1966. 44.8 J822
- 20388 TSELISHCHEV, L. I. Treatment of traumatic hernia in cattle. (Rus) *Veterinariya* 6:73-75. June 1966. 41.8 V6426
- 20389 TUBES, J. T. Untersuchungen über die Kohlanämie an Mastrindern [Investigations on Brassica anemia of fattening cattle]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 6,36 p. Ref. 1966. 41.2 H198
Marrow-stem kale, chiefly.
- 20390 TUCKER, R. Electron microscopic studies of the mechanical adaptations in bovine epithelial cells. *Res. Vet. Sci.* 7(4):435-453. Oct. 1966. 41.8 R312
- 20391 TURNER, H. G., and THORNTON, R. F. A respiration chamber for cattle. *Australian Soc. Anim. Prod. Proc.* 6:413-419. 1966. 49.9 Au72
- 20392 TUTUSHIN, M. I. Some problems of immunity in cattle affected with theileriosis. (Rus) *Veterinariya* 6:46-48. June 1966. 41.8 V6426
- 20393 URBAN, E. Cattle trichomoniasis in Crakove Province, 1954-1964. (Pol) *Med. Weter.* 22(4):208-209. Apr. 1966. 41.8 M463
Statistical study.
- 20394 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON ANAPLASMOSIS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:113-115. 1965, pub. 1966. 49.9 Un3R
M. N. Riemensneider, chairman.
Use of vaccines for control.
- 20395 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON BRUCELLOSIS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:149-152. 1965, pub. 1966. 49.9 Un3R
A. O. Wilson, chairman.
Chiefly cattle; includes vaccines and eradication.
- 20396 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON INFECTIOUS DISEASES OF CATTLE. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:207-209. 1965, pub. 1966. 49.9 Un3R
J. E. Herrick, chairman.
- 20397 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON MASTITIS. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:39. 1965, pub. 1966. 49.9 Un3R
E. J. Kersting, chairman.
Chiefly dairy cattle.
- 20398 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASES AND PARASITE RESEARCH DIV. Anaplasmosis in cattle. U. S. D. A. Leaflet, 437, rev., 4 p. Sept. 1966. 1 Ag84L
U. S. Agricultural Research Service, Entomology Research Division, cooperating.
- 20399 VAN DER WALT, K., ADELAAR, T. F., and TERBLANCHE, M. The problem of the "milk fever" syndrome in the Western Province. *S. Afr. Vet. Med. Ass. J.* 37(1):47-51. Ref. Mar. 1966. 41.8 S08
- 20400 VAN PELT, R. W., and LANGHAM, R. F. Non-specific polyarthritis secondary to primary systemic infection in calves. *Amer. Vet. Med. Ass. J.* 149(5):505-511. Ref. Sept. 1, 1966. 41.8 Am3
- 20401 VERCOE, J. E. Some aspects of nitrogen metabolism of British and Zebu-type cattle. *Australian Soc. Anim. Prod. Proc.* 6:370-377. 1966. 49.9 Au72
- 20402 VERTER, W., BUCHNER, E., and BERGMANN, W. Chemotherapy of leukosis of cattle with Bayer E 99 soluble and Trimitan. (Ge) *Arch. Exp. Veterinarmed.* 20(3):465-476. Ref. June 1966. 41.8 Ex7
- 20403 VICARD, A. DE C. Paratuberculous enteritis (John's disease) and tuberculous cattle; the interference of the two mycobacteria in the animal organism. (Fr) *Soc. Vet. Prat. France, Bull. Mens.* 49(4):124-126. Apr. 1965. 41.9 Sol2
- 20404 VICARD, M. Mammitis in our domestic dairy cows. (Fr) *Soc. Vet. Prat. France, Bull. Mens.* 50(5):262-266; (6):281-294. May-June 1966. 41.9 Sol2
Includes discussion.
- 20405 VILLEMIN, M. Toxic alopecia of pigmented regions in a French Friesian cow. (Fr) *Soc. Vet. Prat. France, Bull. Mens.* 49(9):315-317. Nov. 1965. 41.9 Sol2
Includes discussion; and further discussion, 50(2):134-136. Feb. 1966.
- 20406 VOZENIN, S. De la myopathie degenerative du veau de lait en Haute-Vienne [About the degenerative myopathy of sucking calf in Haute-Vienne]. *Alfort, Ecole Nat. Vet.* These 60, 46 p. Ref. 1965. 41.2 AL23
- 20407 WALSH, K. A., ERICSSON, L. H., and NEURATH, H. Bovine carboxypeptidase a variants resulting from allelomorphism. *Nat. Acad. Sci. Proc.* 56(4):1339-1348. Oct. 1966. 500 N21P
- 20408 WEISSENBERG, Y., and CZERNIAK, P. The treatment of squamous cell carcinoma of the third eyelid in cattle with radioactive cobalt. *Refuah Vet.* 23(1):62-58. Mar. 1966. 41.8 R25
Text also in Hebrew.
- 20409 WETTUMUNY, S. G. DE S., and ABEYSENA, F. A. Sarcosporidiosis in slaughter meat cattle and buffaloes in Ceylon. *Ceylon Vet. J.* 14(1/2):2-6. Mar./June 1966. 41.8 C33
- 20410 WHEELOCK, J. V., and ROOK, J. A. F. The transfer of N-acetyl-4-aminoantipyrine and of thiocyanate from blood to milk. *J. Dairy Res.* 33(3):309-316. Ref. Oct. 1966. 44.8 J823
- 20411 WHIPP, S. C., and others. Studies of sodium depletion in calves. *Amer. J. Vet. Res.* 27(12):1229-1233. Ref. Sept. 1966. 41.8 Am3A
E. A. Usenik, A. F. Weber, and A. L. Good, joint authors.
For the study of adrenal function.
- 20412 WIERSMA, F., and NELSON, G. L. Non-evaporative convective heat transfer from the surface of a bovine. *Amer. Soc. Agr. Eng. Pap.* 445, 21 p. Ref. 1966. 290.9 Am32P
- 20413 WILLIAMS, J. M., MAYERHOFER, H. J., and BROWN, R. W. Clinical evaluation of a Staphylococcus aureus bacterin (polyvalent somatic antigen). *Vet. Med./Small Anim. Clin.* 61(8):789-793. Aug. 1966. 41.8 M69
In preventing mastitis in dairy cattle.
- 20414 WILLIAMS, P. P. Dispensing apparatus for controlling E_H, pH, and volume of anaerobic bacterial and protozoal culture media. *Appl. Microbiol.* 14(6):1045-1046. Nov. 1966. 448.3 Ap5
Rumen cattle microorganisms.
- 20415 WINKLER, J. K. Repair of bovine vaginal prolapse by cervical fixation. *Amer. Vet. Med. Ass. J.* 149(6):768-771. Sept. 15, 1966. 41.8 Am3
- 20416 WISNIOWSKI, J., and GRAJEWSKI, H. Comparative studies on the diagnostic value of "mastitrapid" used for the cell count in milk. *Pulawy. Inst. Weter. Bull.* 9(3):84-86. July/Sept. 1965. 41.9 P62
For mastitis in cattle.
- 20417 WISNIOWSKI, J., and KROLAK, M. Evaluation of the complement fixation test, used in Poland for the serological diagnosis of bovine brucellosis, in the light of the proposed international standards. (Pol) *Pol. Arch. Weter.* 9(4):637-654. Ref. 1966. 41.8 P76
English summary.
- 20418 WISNIOWSKI, J. False-positive titres in agglutination, their occurrence and interpretation in brucellosis diagnosis of cattle. (Pol) *Med. Weter.* 22(8):472-476. Aug. 1966. 41.8 M463
- 20419 WISNIOWSKI, J., and DROZDZYNKA, M. Investigations on protein composition on blood serum and milk in cows. I. Electrophoretic pattern of normal serum. *Pulawy. Inst. Weter. Bull.* 9(3):89-91. Ref. July/Sept. 1965. 41.9 P62
- 20420 WISNIOWSKI, J., ROMANIUKOWA, K., and GRAJEWSKI, H. Phagocytosis phenomena in the mammary glands of cows. I. The opsonizing factor and the phagocytic activity of leukocytes in milk and blood. *Pulawy. Inst. Weter. Bull.* 9(4):140-144. Ref. Oct./Dec. 1965. 41.9 P62

- 20421 WIXOM, H. G., and VANDERWAGEN, L. C. Calfhood vaccination: its relation to brucellosis eradication. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:141-148. 1965, pub. 1966. 49.9 Un3R
- 20422 WORTHINGTON, R. W., and KLEEBERG, H. H. The avian and bovine comparative tuberculin test using Onderstepoort PPD tuberculin. S. Afr. Vet. Med. Ass. J. 37(2):177-183. Ref. June 1966. 41.8 So8
- 20423 WRIGHT, G. L., and MALLMAN, W. L. Differential disc electrophoresis of serum proteins. Soc. Exp. Biol. Med. Proc. 123(1):22-27. Ref. Oct.1966. 442.9 So1
- 20424 WYLIE, and others. An experimentally induced case of acute nitrate toxicity. Iowa State Univ. Vet. 28(1):10-12. 1966. 41.8 V6425
Freitag, Wynia, Froelich, Gavin, Hinricks, and Orlando, joint authors.
Cattle.
- 20425 YOUSSEF, M. K., and JOHNSON, H. D. Calorigenesis of cattle as influenced by growth hormone and environmental temperature. J. Anim. Sci. 25(4):1076-1082. Nov.1966. 49 J82
- 20426 ZAGAEVSKII, I. S. Diagnosis and prophylaxis of mastitis in cows. (Rus) Veterinariya 6:92-93. June 1966. 41.8 V6426
- 20427 ZADLER, H., and HEESCHEN, W. The leucometer, a simple instrument for indirect estimation of the number of leucocytes in the blood of cattle. (Pol) Med. Weter. 22(9):565-568. Sept.1966. 41.8 M63
- Miscellaneous
- 20428 ABRAHAMSSON, J. Feeding and livestock inspection work. (Sw) Goteborgs Bohus Lans Hushallningssallsk. Arsbok 1966:45-56. 11 G712A
Milk recording work, chiefly.
- 20429 ADAM, T. Effect of environmental temperature on some vital processes of cows. (Hu) Allattenyesztes 15(3):215-222. Ref. Sept.1966. 49 AL57
English summary.
- 20430 AGHINA, C. The raising of "baby-beef." (It) Nuovo Prog. Vet. 21(13):605-608,611-612,614-616. July 15,1966. 41.8 P342
- 20431 BARTMANN, R. Mechanical massage of udders in the process of cow milking. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:90-92. 1966. 20 M57
- 20432 BEEBY, L. D. Management of the beef heifer. Agr. Gaz. New S. Wales 77(9):520-524. Sept. 1966. 23 N472
- 20433 BERGE, S. Cattle in Norway, Denmark and Sweden from 1500 to our days. (No) Nord. Jordbrugsforsk. 48(3):181-205. Ref. 1966. 11 N752
Milk production and weight.
- 20434 BOTHA, J. P. Bulls for slaughtering. Farming S. Afr. 42(6):64. Sept.1966. 24 So842
- 20435 CANZIANI, P. Intensive raising of calves (a note on jurisprudence). (It) Nuovo Prog. Vet. 21(13):636,638,640,642-644,646. July 15,1966. 41.8 P342
The "cruelty to animals" question.
- 20436 CHILLINGWORTH, C. A. Dairy cattle identification, the full story. S. Australia J. Agr. 70 (2):47-53. Sept.1966. 23 So84
- 20437 CUNDIFF, L. V., WILLHAM, R. L., and PRATT, C. A. Additive versus multiplicative correction factors for weaning weight in beef cattle. J. Anim. Sci. 25(4):983-987. Nov. 1966. 49 J82
- 20438 CUNDIFF, L. V., WILLHAM, R. L., and PRATT, C. A. Effects of certain factors and their two-way interactions on weaning weight in beef cattle. J. Anim. Sci. 25(4):972-982. Ref. Nov.1966. 49 J82
Chiefly environment effects.
- 20439 DAVIS, J. K., TEMPLE, R. S., and MCCORMICK, W. C. A comparison of ultrasonic estimates of rib-eye area and fat thickness in cattle. J. Anim. Sci. 25(4):1087-1090. Ref. Nov. 1966. 49 J82
- 20440 DURNEY, G. E. 12 years of progress in dairy herd recording. S. Australia J. Agr. 70(1):2-7. Aug.1966. 23 So84
Dairy Cattle Improvement Associations.
- 20441 FLYNN, K. E. Management of the dairy farm in winter. Power Farming Australia New Zeal. Better Farming Dig. 75(8):31. Aug.1966. 58.8 P87
Dairy cattle care.
- 20442 FRISCHKNECHT, W. D. Beef cattle—shaping up for winter. Oreg. State Univ. Ext. FS 111, 2 p. Oct.1966. 275.29 Or36
- 20443 GESSAT, A. Conditions agronomiques et zootechniques pour une amelioration de l'elevage bovin en Sologne [Agronomic and zootechnic conditions for the improvement of raising cattle in Sologne]. Alfort. Ecole Nat. Vet. These 3,70 p. Ref. 1966. 41.2 AL23
- 20444 GUTHRIE, R. D. Pelage of fossil bison—a new osteological index. J. Mammalogy 47(4):725-727. Nov.1966. 410 J823
- 20445 HAPP, H. The effect of modern rearing forms on milk production. (Ge) Tierzuechter 18(21): 734-735. Nov.5,1966. 49 T445
Housing.
- 20446 IVANOV, P., and ILIEVA, P. On the stripping of cows as breeding trait in the control. (Bu) Zhivotnovodni Nauk. 3(4):515-522. Ref. 1966. 49 Z65
German summary.
Capacity of udders and lactation curves as part of records.
- 20447 JANZEN, J. J. Dairy farm sanitation; where does contamination occur? here are some possibilities. Dairy Herd Manage. 2(2):50-51. Mar.1966. SF191.D3
- 20448 JOHANLUKENS, Growing need for calf crop for cattle fattening. (Ge) Tierzuechter 18(15): 515-516. Aug.5,1966. 49 T445
- 20449 KIM, C. J. A sample survey on the management of Korean farm cattle. (Ko) Chunchon Nongkwa Taehak. Yong'u Nonmunjip. J. 1:95-99. Ref. July 1965. S19.C5
English summary.
- 20450 MENUDIER, J. L'elevage et l'economie laitiere dans le departement de la Charente [Raising and milk economy in the Charente Department]. Alfort. Ecole Nat. Vet. These 57,43 p. Ref. 1965. 41.2 AL23
- 20451 OLSCHIEWSKI, H. Preliminary results in the use of the "standard cow" method. (Ge) Deut. Landwirt. 17(9):450-454. Sept.1966. 18 D4822
- 20452 PIERRE, F. Economie de l'elevage des bovines en Haiti [The economy of cattle raising in Haiti]. Alfort. Ecole Nat. Vet. These 5,147 p., map. Ref. 1966. 41.2 AL23
- 20453 RAKES, J. M., and WEBB, D. H. Efficiency studies with dairy cows. Ark. Farm Res. 15 (5):4. Sept./Oct.1966. 100 Ar42F
Milk production.
- 20454 SELLIER, P. L'elevage bovin dans le Departement de la Somme [Cattle raising in the Department of Somme]. Alfort. Ecole Nat. Vet. These 4,84 p. Ref. 1966. 41.2 AL23
- 20455 STEPHENS, W. H. Calf rearing competitions. Tasmanian J. Agr. 37(3):233-240. Aug.1966. 23 T182T
- 20456 SUERO, M. T. Utilization of draft cattle in reforestation. (Sp) Montes 22(129):263-267. May/June 1966. 99.8 M763
- 20457 SUESS, G. G., and others. Influence of certain live and quantitative carcass traits upon beef palatability. J. Anim. Sci. 25(4):1203-1208. Ref. Nov.1966. 49 J82
R. W. Bray, R. W. Lewis, and V. H. Brungard, joint authors.
- 20458 SYRSTAD, O. Studies on dairy herd records. IV. Estimates of phenotypic and genetic parameters. Acta Agr. Scand. 16(2):79-96. Ref. 1966. 11 Ac82
Norway.
- 20459 TEXAS. AGRICULTURAL EXPERIMENT STATION. Beef cattle research in Texas, 1966. Tex. Agr. Exp. Sta. Consolidated Progr. Rep. 2411-2426,44 p. June 1966. 100 T31P
Includes feeding.

- 20460 THERET, M. Considerations on dairy control. (Fr) Tech. Lait. 535:12-13. Nov.1,1966. 44.8 Of2
- 20461 VAN MARLE, J. Beef production systems. Farming S. Afr. 42(7):62-64,66. Oct.1966. 24 So842
- 20462 VILLA, L. Considerations on the classification of slaughter cattle. (It) Nuovo Prog. Vet. 21 (14):657. July 31,1966. 41.8 P942
- 20463 WAGNON, K. A., and others. Social dominance in a herd of Angus, Hereford, and Shorthorn cows. Anim. Behav. 14(4):474-479. Oct.1966. 41.0 B77
- R. G. Loy, W. C. Rollins, and F. D. Carroll, joint authors.
- 20464 WEINSCHENCK, G. Developmental trends and price relations in beef cattle rearing. (Ge) Tierzuechter 18(21):730-733. Nov.5,1966. 49 T445
- 20465 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE, DAIRYING DIV. Rules of the Western Australian pure bred dairy cattle production recording scheme. West. Australia. Dep. Agr. J. (ser.4)7(8):369-370,373-375. Aug.1966. 23 W52J
- 20466 WESTMORELAND, G., and SENGER, M. E. Steps to good milking. N. C. Univ. Ext. Ext. Folder 99, rev., 8 p.-folder. July 1966. 275.29 N811Ex
- 20467 WILKIE, W. J. Beef cattle and production in Western Australia. West. Australia. Dep. Agr. J. (ser.4)7(8):343-346,349-350, map. Aug.1966. 23 W52J
- DOGS AND CATS**
- Breeds and Breeding
- 20468 HARE, W. C. D., and others. Cytogenetics in the dog and cat. J. Small Anim. Pract. 7(9): 575-592. Ref. Sept.1966. 41.8 J8292
- W. T. Weber, R. A. Mcfeely, and T. J. Yang, joint authors.
- 20469 NATIONAL COURSEING CLUB. The Greyhound stud book. Volume LXXXV. Tyne, 1966. 326 p. 48.9 L19G
- Feeds and Feeding
- 20470 CORBIN, J. E. Nutrition "and care" of the aged pet. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:196-203. Ref. 1965. 41.9 Am36
- Chiefly dogs.
- Veterinary Medicine
- 20471 ANDERSON, N. V. Laboratory diagnosis of the canine pancreatic diseases. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:105-111. 1965. 41.9 Am36
- 20472 ANNIS, J. R., and ELLETT, E. W. Surgery by abdominal approach (TV). Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:15-16. 1965. 41.9 Am36
- In a dog for diaphragmatic hernia.
- 20473 ANTHONY, R. L. Serological, immunoenzymatic and biochemical comparisons among registered breeds of dogs. Diss. Abstr., Sect. B. 27(3):994B. Sept. 1966. Z5055.U49D53
- 20474 ARCHIBALD, J. Surgery—canine nephrectomy. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:136. 1965. 41.9 Am36
- 20475 BARNETT, K. C. Two forms of hereditary and progressive retinal atrophy in the dog. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting: 32-41. Ref. 1965. 41.9 Am36
- 20476 BASRUR, P. K., and GILMAN, J. P. W. Chromosome studies in canine lymphosarcoma. Cornell Vet. 56(3):451-469. Ref. July 1966. 41.8 C81
- 20477 BASSON, P. A., MCCULLY, R. M., and WARNES, W. E. J. Nematosis: report of a canine case in the Republic of South Africa. S. Afr. Vet. Med. Ass. J. 37(1):3-9. Ref. Mar. 1966. 41.8 So8
- Identification of causal organism as Nomesa cuniculi, previously named Encephalitozoon cuniculi.
- 20478 BATTE, E. G., MONCOL, D. J., and MCLAMB, R. D. Critical evaluation of an anthelmintic for dogs. Vet. Med./Small Anim. Clin. 61(6): 567-570. Ref. June 1966. 41.8 M69
- Formulations of dichlorvos.
- 20479 BECK, A. M., and MCENTEE, K. Subinvolution of placental sites in a postpartum bitch. Cornell Vet. 56(2):269-277. Apr.1966. 41.8 C81
- 20480 BECKER, C. H., and ILCHMANN, G. Pathogenesis and differential diagnosis of nodular calcium deposits in the skin of dogs. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(17):325-329. Ref. Sept.1,1966. 41.8 B45
- English summary.
- 20481 BERENGER, A. Segmentation hepatiche chez les carnivores [Hepatic sectioning in carnivora]. Alfort. Ecole Nat. Vet. These 37,76 p. Ref. 1966. 41.2 AL23
- Includes dogs and cats.
- 20482 BILD, C. E. Pre-and post-surgical hematocrit of the dog. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:129-131. 1965. 41.9 Am36
- 20483 BLAKEMORE, J. C. Chronic dermatologic disorders, diagnosis and treatment. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:216-223. 1965. 41.9 Am36
- Chiefly in dogs.
- 20484 BOLZ, W. Epidural hematoma of the back vertebral column in dog. (Ge) Kleintier-Praxis 11(6):153-158. Ref. Sept.1966. 41.8 K67
- 20485 BONAL, G. L'ectopie testiculaire chez le chien [Dislocation of testes in the dog]. Alfort. Ecole Nat. Vet. These 45,52 p. Ref. 1966. 41.2 AL23
- 20486 BRODEY, R. S. Canine and feline neoplasia: diagnosis, treatment and prognosis. Southwest. Vet. 19(4):269-275. Summer 1966. 41.8 So82
- 20487 BRODEY, R. S. Epidemiologic studies of canine neoplasia. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:204-205. 1965. 41.9 Am36
- 20488 BRUNSDON, R. V., and others. Endemic canine filariasis. New Zeal. Vet. J. 14(5/6):72-73. Ref. May/June 1966. 41.8 N483
- D. C. Elliott, A. Gracey, and C. West, joint authors.
- 20489 BUCHANAN, J. W., and PYLE, R. L. Cardiac tamponade during catheterization of a dog with congenital heart disease. Amer. Vet. Med. Ass. J. 149(8):1056-1066. Oct.15,1966. 41.8 Am3
- 20490 BUCHANAN, J. W. Selective angiography and angiocardiology in dogs with acquired cardiovascular disease. Amer. Vet. Radiol. Soc. J. 6:5-20. Ref. 1965. 41.9 Am37
- 20491 BUCHANAN, J. W., and PATTERSON, D. F. Selective angiography and angiocardiology in dogs with congenital cardiovascular disease. Amer. Vet. Radiol. Soc. J. 6:21-39. Ref. 1965. 41.9 Am37
- 20492 CERMAK, K., SANKOVIC, F., and PAJTL, M. Some observations on experimental cecal intussusception in dog. (Ge) Arch. Exp. Veterinarmed. 20(3):553-563. Ref. June 1966. 41.8 Ex7
- 20493 CLARK, D. R., SZABUNIEWICZ, M., and MCCRADY, J. D. Clinical use of the electrocardiogram in animals. I. Fundamentals of ECG examination. Vet. Med./Small Anim. Clin. 61(8):751-760. Ref. Aug.1966. 41.8 M69
- Chiefly dogs.
- 20494 COLLINS, D. R. Allergy: a review for the practitioner. II. Diagnosis. Vet. Med./Small Anim. Clin. 61(8):761-764. Aug.1966. 41.8 M69
- In dogs and cats.

- 20495 CONNAN, R., and ZURBORG, J. A treatment for cat lungworms. *Southwest. Vet.* 19(4):318-319. Summer 1966. 41.8 So82
- 20496 CRAIG, P. H., and RISER, W. H. Osteochondritis dissecans in the proximal humerus of the dog. *Amer. Vet. Radiol. Soc. J.* 6:40-49. Ref. 1966. 41.9 Am37
- Diagnosis by X-rays.
- 20497 DECLERT, J. De l'utilisation en clinique canine de l'acetate de methyl prednisolone [On the use in the canine clinic of methyl prednisolone acetate]. *Alfort. Ecole Nat. Vet. These* 9,52 p. Ref. 1966. 41.2 AL23
- For diseases of inflammatory type.
- 20498 DETWEILER, D. K. Congestive heart failure in the dog. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:263-270. 1965. 41.9 Am36
- 20499 DIAZ-HUNGRIA, C., and YEPEZ, M. S. Roman's sign in dogs—experimental study. (*Sp*) *Rev. Vet. Venezolana* 20(115):73-81. Feb.28, 1966. 41.8 R3226
- English summary.
- Ocular lesions produced by *Trypanosoma venezuelense* in dogs and rabbits.
- 20500 DORRINGTON, J. E., and DU BUY, W. J. C. Ceporran: efficacy against Babesiosis (*felis*) *S. Afr. Vet. Med. Ass. J.* 37(1):93. Mar.1966. 41.8 So8
- 20501 DURANDE, D. L'ovariectomie chez la chienne et ses consequences [Ovariectomy in the bitch and its consequences]. *Alfort. Ecole Nat. Vet. These* 8,43 p. Ref. 1966. 41.2 AL23
- 20502 EGOROV, I. F. Certain features of blood tests of carnivorous animals sick with toxoplasmosis. (*Rus*) *Veterinariya* 6:52-54. June 1966. 41.8 V6426
- Dogs and foxes.
- 20503 EIKMEIER, H., and MANZ, D. Research into eosinophilia in dogs. III. Occurrence of eosinophilia in digestive disturbances. (*Ge*) *Berliner-Munchener Tierarztl. Wochenschr.* 79(17):329-331. Ref. Sept.1,1966. 41.8 B45
- English summary.
- 20504 ENSOR, R. D., BOYARSKY, S., and GLENN, J. F. Cystoscopy and urethral catheterization in the dog. *Amer. Vet. Med. Ass. J.* 149(8):1067-1072. Ref. Oct.15,1966. 41.8 Am3
- 20505 EWING, S. A. Differentiation of hematzoan parasites of dogs. *U. S. Livestock Sanit. Ass. Proc.*, 69th Annu. Meeting:524-538. Ref. 1965, pub.1966. 49.9 Un3R
- 20506 EWING, S. A. Evaluation of methods used to detect *Babesia canis* infections. *Cornell Vet.* 56(2):211-220. Apr.1966. 41.8 C81
- 20507 EWING, S. A., and BULL, R. W. Severe chronic canine diarrhea associated with *Balantidium Trichuris* infection. *Amer. Vet. Med. J.* 149(5):519-520. Sept.1,1966. 41.8 Am3
- 20508 FISHLER, J. J. Feline anesthesia. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:149-150. 1965. 41.9 Am36
- 20509 FOX, M. W. Behavioural and physiological aspects of cardiac development in the dog. *J. Small Anim. Pract.* 7(4):321-326. Ref. Apr. 1966. 41.8 J8292
- 20510 FOX, M. W., and HAYNES, E. Neonatal colibacillosis in the dog. *J. Small Anim. Pract.* 7(9):599-603. Ref. Sept.1966. 41.8 J8292
- 20511 FROST, W. W., and LUMB, W. V. Radiocarpal arthrodesis: a surgical approach to brachial paralysis. *Amer. Vet. Med. Ass. J.* 149(8):1073-1078. Oct.15,1966. 41.8 Am3
- Dogs.
- 20512 GILBRIDE, A. P. Getting along with your cat-owning clients. *Mod. Vet. Pract.* 47(13):41-45. Nov.1966. 41.8 N812
- 20513 GORGUE, M. Contribution a l'etude radiodensitographique de la mineralisation osseuse [Contribution to the study of radiodensitography in bone mineralization]. *Alfort. Ecole Nat. Vet. These* 20,78 p. Ref. 1966. 41.2 AL23
- Chiefly dog bones.
- 20514 GRUNBAUM, E. G., and SCHIMKE, E. Contribution to torsio ventriculi of dog. (*Ge*) *Kleintier-Praxis* 11(6):158-164. Ref. Sept.1966. 41.8 K67
- Stomach torsion.
- 20515 GUHA, S. K. Special physiologic factors in the dynamics of blood circulation in the dog. *Diss. Abstr.*, Sect. B, 27(4):P1270B. Oct.1966. Z5055,U49D53
- 20516 HAFFEN, B. Contribution a l'etude des traumatismes rachidiens dorso-lombaires du chien [Contribution to the study of traumas of the dorso-lumbar part of the spine in the dog]. *Alfort. Ecole Nat. Vet. These* 50,57 p. Ref. 1966. 41.2 AL23
- 20517 HARRISON, J. M., and IRVING, R. Visual and nonvisual auditory systems in mammals. *Science* 154(3750):738-743. Ref. Nov.11,1966. 470 Sci2
- Includes cats and chinchillas.
- 20518 HATHAWAY, J. E. Seminoma of an undescended testicle: a case report. *Amer. Vet. Radiol. Soc. J.* 6:75-77. 1965. 41.9 Am37
- In a dog.
- 20519 HAUGH, L., and others. Crystallography and calculus. *J. Small Anim. Pract.* 7(8):565-570. Aug.1966. 41.8 J8292
- K. Lonsdale, P. Mason, and E. G. White, joint authors.
- From dogs.
- 20520 HERMAN, L. H., and HELLAND, D. R. Paragonimiasis in a cat. *Amer. Vet. Med. Ass. J.* 149(6):753-757. Ref. Sept.15,1966. 41.8 Am3
- Caused by *Paragonimus kellicotti*.
- 20521 HOFMEYER, C. F. B. An evaluation of cardioplasty for achalasia of the esophagus in the dog. *J. Small Anim. Pract.* 7(4):281-301. Ref. Apr.1966. 41.8 J8292
- 20522 HOLZWORTH, J. Immunology of feline virus diseases. *Cornell Vet.* 56(2):306-315. Apr. 1966. 41.8 C81
- 20523 HOWARD, E. B. Acute mycotic gastritis in a dog. *Vet. Med./Small Anim. Clin.* 61(6):549-552. June 1966. 41.8 M69
- 20524 HUGGINS, R. A., SMITH, E. L., and DEEVERS, S. Cr⁵¹-tagged red cell equilibration in dogs. *Amer. J. Physiol.* 211(2):283-287. Ref. Aug. 1966. 44.7.8 Am3
- 20525 IRWIN, D. H. G. Tension lines in the skin of the dog. *J. Small Anim. Pract.* 7(9):593-598. Sept.1966. 41.8 J8292
- 20526 JACKSON, R. F., and others. Distribution of heartworms in the right side of the heart and adjacent vessels of the dog. *Amer. Vet. Med. Ass. J.* 149(5):515-518. Sept.1,1966. 41.8 Am3
- G. F. Otto, P. M. Bauman, F. Peacock, W. L. Hinrichs, and J. H. Maltby, joint authors.
- 20527 JASTRZEBSKI, T. Venographic pictures of the venous outflow from the head of the thigh-bone in a healthy leg and after operation of the neck of the bone in the dog. (*Pol*) *Med. Weter.* 22(9):543-546. Sept.1966. 41.8 M463
- English summary.
- 20528 JOHNSON, R. H., and THOMAS, R. G. Feline viral rhinotracheitis in Britain. *Vet. Rec.* 79(7):188-190. Ref. Aug.13,1966. 41.8 V641
- 20529 KEENE, R. B., and YARBOROUGH, J. H. Surgical correction of a luxation and fracture of the central tarsal bone in the racing Greyhound. *Vet. Med./Small Anim. Clin.* 61(10):980-984. Oct.1966. 41.8 M69
- 20530 KLEINE, L. J., BISGARD, G. E., and LEWIS, R. E. Rupture of the aortic sinus and aortic insufficiency in a dog. *Amer. Vet. Med. Ass. J.* 149(8):1050-1055. Ref. Oct.15,1966. 41.8 Am3
- 20531 KNECHT, C. D., SCHILLER, A. G., and SMALL, E. Focal degeneration of the cornea with sequestration in a cat. *Amer. Vet. Med. Ass. J.* 149(9):1192-1193. Nov.1,1966. 41.8 Am3
- 20532 KNOWLES, R. P. Surgical correction of iliac thrombosis in the feline. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:84-85. 1965. 41.9 Am36
- 20533 KOBER, U. New aspects of therapy with pyrazolone (phenylbutazone and oxphenbutazone) in small animal practice. (*Ge*) *Kleintier-Praxis* 11(5):138-142. July 1966. 41.8 K67
- Dogs.

- 20534 LAMOUROUX, J., and LEBEAU, A. How to test for canine piroplasmiasis today. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(1):19-20; (4):122. Jan.-Apr. 1965. 41.9 Sol2
Discussion only.
- 20535 LEIGHTON, R. L. A cart for small dogs with posterior paralysis. Vet. Med./Small Anim. Clin. 61(6):554-556. June 1966. 41.8 M69
- 20536 LEIGHTON, R. L. Orthopedic diseases of the forelimb of the dog. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:224-229. 1965. 41.9 Am36
- 20537 LINDLEY, J. W. A case of Mycoplasma sp. found in cats. Southwest. Vet. 19(4):320-321. Summer 1966. 41.8 So82
- 20538 LJUNGGREN, G., and RISER, H. W. A comparative study of conservative and surgical treatment of Legg-Perthes' disease in the dog. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:90-92C. 1965. 41.9 Am36
- 20539 LODGE, D. Two cases of epiphyseal dysplasia. Vet. Rec. 79(5):136-139. July 30, 1966. 41.8 V641
In Poodles.
- 20540 LOEFFLER, K. Investigations on wound closure with methyl-2-cyanoacrylate. (Ge) Kleintier-Praxis 11(5):142-147. July 1966. 41.8 K67
Dogs and cats.
- 20541 LUMB, W. V. Criteria for canine nephrectomy. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:135. 1965. 41.9 Am36
- 20542 MAGRANE, W. G. Canine ophthalmology. Philadelphia, Lea and Febiger, 1965. 240 p. Ref. SF891.M3
Diseases and surgery.
- 20543 MAGRANE, W. G. Globe fixation and surgical procedures of the cornea. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:145-148. 1965. 41.9 Am36
In dog.
- 20544 MALICKA, E. Mycosis of the nasal cavity of dog. (Pol) Med. Weter. 22(9):551-552. Sept. 1966. 41.8 M463
- 20545 MANDELLI, G., and MANTOVANI, A. A case of mass infestation of dogs with *Dirofilaria repens*. (It) Parassitologia 8(1):21-28. Ref. July 1966. 436.8 P212
English summary.
- 20546 MANTOVANI, A. Canine filariasis by *Dirofilaria repens*. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:77-79. 1965. 41.9 Am36
- 20547 MANTOVANI, A. Transmission of microfilariae of *Dirofilaria repens* from the mother to the fetus in dog. (It) Parassitologia 8(1):17-19. July 1966. 436.8 P212
English summary.
- 20548 MARCENAC, L. N., ROBART, P., and FOURES, A. Possibilities of laparoscopy in dogs. (Fr) Acad. Vet. France. Bull. 39(3):121-126. Mar. 1966. 41.9 R24
- 20549 MCCLELLAND, R., and GILLESPIE, J. H. Canine immunization. Cornell Vet. 56(2):300-305. Apr. 1966. 41.8 C81
- 20550 MCCUSTION, W. R. Feline purring and its dynamics. Vet. Med./Small Anim. Clin. 61(6):552-566. June 1966. 41.8 M69
- 20551 MITCHELL, B. Anaesthesia for caesarean section and factors influencing mortality rates of bitches and puppies. Vet. Rec. 79(9):252-257. Ref. Aug. 27, 1966. 41.8 V641
- 20552 MITCHELL, J. Gastrointestinal obstruction by two types of foreign bodies in a domestic feline. Mo. Vet. 15(3):5-6, 8. June 1966. 41.8 V644
- 20553 MOLTZEN, H. Treatment of spinal disorders in the dog by manipulation. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:132. 1965. 41.9 Am36
- 20554 MORSETH, D. J. Chemical composition of embryophoric blocks of *Taenia hydatigena*, *Taenia ovis*, and *Taenia pisiformis* eggs. Exp. Parasitol. 18(3):347-354. Ref. June 1966. 436.8 Ex7
Isolated from dogs.
- 20555 MOSER, J. E. Dermatoses related to endocrine imbalance in the canine. Iowa Vet. 37(5):7-10. Sept./Oct. 1966. 41.8 Io9
- 20556 MOSIER, J. E. Treatment of canine cystitis. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:80-83. 1965. 41.9 Am36
- 20557 MULLER, G. H. Difficult feline dermatoses. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:155-161. 1965. 41.9 Am36
- 20558 MULLER, G. H. Hormonal dermatoses. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:243-254. Ref. 1965. 41.9 Am36
Chiefly in dogs.
- 20559 MURTI, C. S., GILBERT, D. L., and BORG-MANN, A. R. Canine intersex states. Amer. Vet. Med. Ass. J. 149(9):1183-1185. Ref. Nov. 1, 1966. 41.8 Am3
- 20560 OLIVER, J. E., and GEARY, J. C. Venous aneurysm in the spinal canal of a dog. J. Small Anim. Pract. 7(8):523-527. Ref. Aug. 1966. 41.8 J8292
- 20561 OROPEZA PERERA, D. Summary of activities in rabies control from January to November 1965, Barquisimeto Sanitary Unit, State of Lara. (Sp) Rev. Vet. Venezolana 19(113):362-368. Dec. 31, 1965. 41.8 R3226
Dogs.
- 20562 PAATSAMA, S., and RISSANEN, P. Hip dysplasia in dogs with special reference to the histopathology. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:45-56. Ref. 1965. 41.9 Am36
- 20563 PICHARD, R., and LECAIN, A. Arthrodesis in recently exposed luxation of the fibula-tibial-tarsus articulation in domestic carnivores. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(10):365-381. Dec. 1965. 41.9 Sol2
Dogs and cats.
Discussion, 50(2):137-138. Feb. 1966.
- 20564 PIERMATTEI, D. L. Femoral head osteotomy in the dog. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:137-140. 1965. 41.9 Am36
- 20565 PIWOWARCZYK, S., and KITA, J. Application of M-test and haemolytic test according to Middlebrook-Dubos in the diagnosis of tuberculosis in dogs. (Pol) Pol. Arch. Weter. 9(4):691-699. Ref. 1966. 41.8 P76
English summary.
- 20566 POHL, I. D. A contribution to the use of appetite curbers in dogs. (Ge) Kleintier-Praxis 11(5):133-138. Ref. July 1966. 41.8 K67
- 20567 POOLE, C. M., and FISHLER, J. J. Canine onychectomy. Amer. Anim. Hosp. Ass. Proc., 32th Annu. Meeting:42-44. 1965. 41.9 Am36
- 20568 POULOS, P. Selenium-tocopherol treatment of senile lenticular sclerosis in dogs (four case reports). Vet. Med./Small Anim. Clin. 61(10):986-988. Oct. 1966. 41.8 M69
- 20569 PRAT, J. A case of hypertrophic osteoarthritis in a dog having a cancerous mammary tumor with pulmonary metastases. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(4):126-130. Apr. 1965. 41.8 So12
Discussion, 49(6):216-217. June 1965.
- 20570 PREIBISCH, J. Invagination of the stomach into the gullet in a dog. (Pol) Med. Weter. 22(9):554. Sept. 1966. 41.8 M463
- 20571 PREUSS, F., MULLER, W., and DONAT, K. The sheath of the musculus rectus abdominis of the dog. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(17):331-333. Ref. Sept. 1, 1966. 41.8 B45
English summary.
- 20572 PRIEUR, W. D. Hypocalcemic tetanic attacks in dog on the basis of disturbances of the parathyroid. (Ge) Kleintier-Praxis 11(6):173-175. Sept. 1966. 41.8 K67
- 20573 PROUTE, B. Contribution à l'étude de l'anesthésie des carnivores domestiques par le trifluoroéthylbromométhane (fluothane) [Contribution to the study of anesthesia of domestic carnivora by trifluoroethylbromomethane (fluothane)]. Alfort. Ecole Nat. Vet. These 35,70 p. Ref. 1966. 41.2 A123
Chiefly dogs and cats.

- 20574 RAMAKRISHNA, O., and WILSON, F. D. Experimental studies on balanced anaesthesia in dogs. *Indian Vet. J.* 43(8):706-712. Ref. Aug. 1966. 41.8 In2
- 20575 RATOMSKI, A. The problem of animal rabies in Cracow and Rzeszow provinces in 1946-1964. (Pol) *Med. Weter.* 22(9):529-530. Sept. 1966. 41.8 M463
Dogs and cats chiefly.
- 20576 REX, M. A. E. Hydronephrosis in a cat. *New Zeal. Vet. J.* 14(7):94-95. July 1966. 41.8 N483
- 20577 RHODES, W. H., and BRODEY, R. S. The differential diagnosis of polydactyly in the dog. *Amer. Vet. Radiol. Soc. J.* 6:65-74. Ref. 1965. 41.9 Am37
- 20578 RISER, W. H., and SHIRER, J. F. Normal and abnormal growth of the distal foreleg in large and giant dogs. *Amer. Vet. Radiol. Soc. J.* 6:50-64. Ref. 1965. 41.9 Am36
Includes use of radiography.
- 20579 ROBERTS, S. R. Discussion of hereditary and progressive retinal atrophy in the dog. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 41A-41B. 1965. 41.9 Am36
- 20580 ROBORGH, J. R. Motility cycles in the stomach of the fasting dog. *Acta Physiol. Pharmacol. Neer.* 14(1):12-17. Ref. Oct. 1966. 44.8 Ac83
- 20581 ROSENOFF, H. J., ANTELYES, J., and BUONAVITA, F. P. A modified intramedullary pin for placement of a prosthetic cruciate ligament. *Amer. Vet. Med. Ass. J.* 149(5):523-524. Sept. 1, 1966. 41.8 Am3
In dogs.
- 20582 RUDY, R. L., and SIMPSON, J. H. Contrast radiography as a method of determining gastrointestinal propulsive rate. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 214-215. 1965. 41.9 Am36
In dog.
- 20583 RUIZ MARTINEZ, C. Evaluation of antirabies vaccine for canine and bovine use. (Sp) *Rev. Vet. Venezolana* 20(115):82-96. Feb. 28, 1966. 41.8 R3226
- 20584 SACKS, L. J. Dimethyl sulfoxide and dogs. *Science* 154(3748):543. Oct. 28, 1966. 470 Sc12
Toxicity.
- 20585 SAINT LOUIS, MISSOURI (COUNTY) HEALTH DEPT. How the St. Louis County [Missouri] rabies control program works. *Vet. Med./Small Anim. Clin.* 61(6):571-572. June 1966. 41.8 M69
Transmitted by dogs.
- 20586 SCHAUFFLER, A. F. Canine thelaziasis in Arizona. *Amer. Vet. Med. Ass. J.* 149(5):521-522. Ref. Sept. 1, 1966. 41.8 Am3
- 20587 SCHIRMER, R. G. Non-surgical management of the disc syndrome. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 151-154. 1965. 41.9 Am36
In dog.
- 20588 SCHLOTTHAUER, J. C. Host-parasite relationships of *Dirofilaria immitis* in the dog. *Diss. Abstr.*, Sect. B, 27(3):865B. Sept. 1966. Z5055, U49D53
- 20589 SCHMIDT HERMAN, L. El perro y el gato [Dogs and cats]. Santiago de Chile, Sopech, 1965. 277 p. Ref. SF981.S3
Chiefly diseases.
- 20590 SCHRODER, L., and KRAHMER, R. Functional importance of collaterals of venae cavae caudalis in carnivores. (Ge) *Arch. Exp. Veterinarmed.* 20(3):443-450. Ref. June 1966. 41.8 Ex7
Cats and dogs.
- 20591 SHILLINGER, Y. I., KACHKOVA, V. G., and MAGANOVA, N. B. Effect upon the organism of dogs of meat products irradiated with pasteurizing doses of gamma-radiation. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitan. (Probl. Nutr.) USSR 24(1):6-14. May 4, 1965. (JPRS 29,912; TT 65-30901) 173 J663Trvo
Physiological effect.
Translation from Voprosy Pitaniya 24(1):19-24. Jan./Feb. 1965.
CFSTT \$2.00.
- 20592 SMITH, R. N. Epiphyses. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 255-262. 1965. 41.9 Am36
Chiefly in dogs and cats.
- 20593 SPREULL, J. S. A. The cervical salivary cyst. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 286-288E. 1965. 41.9 Am36
Chiefly in dog.
- 20594 SPREULL, J. S. A. Otitis media. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 124-128J. 1965. 41.9 Am36
In dog.
- 20595 SPREULL, J. S. A. Surgery of the nasal cavity of the dog. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 119-123D. 1965. 41.9 Am36
- 20596 SPY, G. M. The results of testosterone propionate treatment in ten cases of pyometra in the bitch. *Vet. Rec.* 79(10):281. Sept. 3, 1966. 41.8 V641
- 20597 STOCKMAN, V. Permanent urethrotomy and urethral transplant in the dog. *Vet. Rec.* 79(4):110-112. July 23, 1966. 41.8 V641
- 20598 STRANDE, A., and CHILDERS, H. E. New methods for cruciate ligament repair. I-II. *Mod. Vet. Pract.* 47(13):52,57-60. Nov. 1966. 41.8 N812
In dogs.
- 20599 SUMNER-SMITH, G. Observations on epiphyseal fusion of the canine appendicular skeleton. *J. Small Anim. Pract.* 7(4):303-311. Ref. Apr. 1966. 41.8 J8292
- 20600 SYMPOSIUM ON CONDITIONS OF THE CANINE OESOPHAGUS. [Papers. I-III]. *J. Small Anim. Pract.* 7(2):107-127, 129-134. Ref. Feb. 1966. 41.8 J8292
I, Foreign bodies in the oesophagus, by H. Pearson, p.107-116; II, Vascular rings, achalasia, tumours and peri-oesophageal lesions, by D. D. Lawson, p.117-127; III, Anaesthesia for oesophageal surgery, by L. W. Hall, p.129-134.
- 20601 SYMPOSIUM ON UROLITHIASIS IN THE DOG. [Papers]. *J. Small Anim. Pract.* 7(8):529-563. Ref. Aug. 1966. 41.8 J8292
Introduction and incidence, by E. G. White, p.529-535; Biochemical aspects, R. J. Treacher, p.537-547; Nutritional aspects, by D. W. Jolly and A. N. Worden, p.549-552; Diagnosis, by W. T. Clark, p.553-556; Treatment and prophylaxis, by B. E. Goulden.
- 20602 SZCZUDLOWSKA, M. A choked cyst of the tear gland (dacryops). (Pol) *Med. Weter.* 22(9):568-569. Sept. 1966. 41.8 M463
Dogs.
- 20603 TAMAS, L., LAMI, GY., and PETHES, GY. On the standard characters of several materials applied in the transfusion therapy. II. The formation of the LRV (lethal rebleeding value). (Hu) *Magyar Allatorv. Lapja* 21(10):450-452. Ref. Oct. 1966. 41.8 V644
English summary.
- 20604 TRAYNOR, J. E. Megakaryocyte and platelet production in normal dogs and dogs subjected to three types of marrow stress. *Diss. Abstr.*, Sect. B, 27(3):699B-700B. Sept. 1966. Z5055, U49D53
- 20605 UBERREITER, O. Clinical and anatomical findings in the congenital patella luxation of dog. (Ge) *Kleintier-Praxis* 11(5):125-129. July 1966. 41.8 K67
- 20606 VAUGHN, L. C. An experimental study of the non-union of fractures in the dog. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 93-98E. 1965. 41.9 Am36
- 20607 VERGNAUD, P. Contribution à l'étude de la vascularisation interne des vertèbres dorsales du chien [Contribution to the study of internal vascularization and dorsal vertebrae in the dog]. *Alfort, Ecole Nat. Vet.* These 57,52 p. Ref. 1966. 41.2 AL23
- 20608 VERWER, M. A. J. Partial mummification of the cornea in cats; the corneal sequestrum. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting: 112-118. 1965. 41.9 Am36

- 20609 WATKINS, J. D., and BRADLEY, R. Cranio-mandibular osteopathy in a Labrador puppy. *Vet. Rec.* 79(9):262-264. Aug. 27, 1966. 41.8 V641
- 20610 WIRTH, W. Contribution to water management in diabetes insipidus of dog. (Ge) *Kleintier-Praxis* 11(5):129-132. July 1966. 41.8 K67
Water uptake and urine excretion.
- 20611 WOLFF, A. Tuberculosis in a domestic cat. *Vet. Med./Small Anim. Clin.* 61(6):553. June 1966. 41.8 M69
- 20612 YOUNG, B. A. Intercellular channels in the canine and porcine thyroid gland. *J. Anat.* 100 (4):895-898. Ref. Oct. 1966. 447.8 J826
- 20613 ZALESKA-PALIDER, H. Increasing general anesthesia as a method of euthanasia. (Pol) *Med. Weter.* 22(8):463-466. Aug. 1966. 41.8 M463
English summary.
Dogs and cats.
- 20614 ZUYLEN, A. L. VAN. The effect of neurolept analgesia with Combelen-Polamivet on the renal function of dog. (Ge) *Kleintier-Praxis* 11(6):164-172. Ref. Sept. 1966. 41.8 K67

Miscellaneous

- 20615 COX, J. R., and others. Pet identification. 1-4. *Vet. Econ.* 7(11):26,28,33-35. Nov. 1966. 41.8 V6458
D. H. Timrud, G. Browne, and H. Kraslow, joint authors.
Chiefly dogs; includes veterinarian's contribution.
- 20616 FOX, M. W. Dog development, rearing and training: practical applications of research findings. *Southwest. Vet.* 19(4):303-305. Summer 1966. 41.8 S682
- 20617 KRAUSZ, N. Who must pay if dogs kill. *U. S. Fur Rancher* 45(6):12. July 1966. 412.629 Am3M
- 20618 LAMBERT, E. Shooting resort dogs. *Mod. Game Breeding* 2(8):29,36. June 1966. 410 M722
- 20619 LEIGH, D. The psychology of the pet owner. *J. Small Anim. Pract.* 7(8):517-521. Aug. 1966. 41.8 J8292
Chiefly the care of cats and dogs.
- 20620 STRASSER, H. The artificial rearing of puppies. *Blue Book Vet. Prof.* 10:25-28. 1965. 41.9 B61Ae
Germany.
- 20626 ROWLANDS, I. W., ed. Comparative biology of reproduction in mammals: the proceedings of an international symposium, London, on 24-26 November 1964. London, Academic Press, 1966. 559 p. Ref. (Zoological Society of London. Symposia, No. 15) QP251.R6
Organized by the Society for the Study of Fertility and the Zoological Society of London.
Partial contents: Reproduction in the feral coypu (*Myocastor coypus*), by R. M. Newton, p.323-334; Histological observations on the ovary and progesterone levels in the coypu, *Myocastor coypus*, by I. W. Rowlands and R. B. Heap, p.335-352; The reproductive physiology of male zebra-horse and zebra-donkey hybrids, by J. M. King, R. V. Short, D. E. Mutton, and J. L. Hamerton, p.511-527.
- 20627 SHACKELFORD, R. M., and HARTSOUGH, G. R. Breeding. *Blue Book Fur Farming* 1967: 102-105. 412.628 H75
Minks.
- 20628 SHACKELFORD, R. M. Breeding results with -Jet Black mutation. *Blue Book Fur Farming* 1967:141. 412.628 H75
Minks.
- 20629 SHACKELFORD, R. M. Types of mink. *Blue Book Fur Farming* 1967:19-46. 412.628 H75
Breeding and genetics.

Feeds and Feeding

- 20630 ADAIR, J., OLDFELD, J. E., and STOUT, F. M. Seek simplification of mink cereals on Oregon State campus. *U. S. Fur Rancher* 45 (6):8,20. July 1966. 412.629 Am3M
- 20631 LEEKLEY, J. R., CABELL, C. A., and KINNEY, T. B. Control of cotton fur in mink by dietary iron. *J. Anim. Sci.* 25(4):1107-1110. Nov. 1966. 49 J82
- 20632 LEOSCHKE, W. Amino acids balance critical to good fur. *Amer. Fur Breeder* 39(10):22,42. Oct. 1966. 410 Am33
Mink feeding.
- 20633 SANNE, S., and AHMAN, G. Undersökningar av hullets och uppfödningssintenstetens inverkan på minkhonoras reproduktionsformaga. The effect of the condition and feeding intensity on the reproductive performance of female mink. *Uppsala. Lanbrukshögsk. Medd. Ser. A*, 56, 34 p. Ref. 1966. 11 Up62
English summary.
- 20634 SCHIBBLE, P. J. Nutrition and feeding. *Blue Book Fur Farming* 1967:67,69-70,72,74-76,78, 80,82-86,88-101. Ref. 412.628 H75
Of mink.

Veterinary Medicine

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 20621 DANSK PELS DYRAVLERFORENING. Annual report of the Danish Fur Breeders' Association, by Vald. Olsen. (Da) *Dansk Pelsdyravler* 29(11):574-576,579-584. Nov. 20, 1966. 412.628 D23
- 20622 DINESCU, S., and PETRIU, C. Some considerations on the breeding of minks. (Rum) *Rev. Zootch. Med. Vet.* 16(8):38-41. Aug. 1966. 49 P943
- 20623 JOHANSSON, I. On Jet Black minks. (Sw) *Vara Palsdjur* 37(11):500,503. Nov. 15, 1966. 410 V42
- 20624 MARSH, F. R. Facts about the Mullen Jet Black mink. *Nat. Fur News* 38(11):23,27. Dec. 1966. 412.628 R59
- 20625 MAUCH, A. Fur-bearing animals and perspectives for their breeding in Rumania. (Rum) *Rev. Zootch. Med. Vet.* 16(8):33-37. Aug. 1966. 49 P943
- 20635 ASHWORTH, U. S., RAMAIAH, G. D., and KEYES, M. C. Species difference in the composition of milk with special reference to the northern fur seal. *J. Dairy Sci.* 49(10):1206-1211. Ref. Oct. 1966. 44.8 J822
- 20636 HARTSOUGH, G. R., and GORHAM, J. Sanitation and health. *Blue Book Fur Farming* 1967: 107-108,110,112-114,117-118,120-135. 412.628 H75
Minks.
- 20637 KIRKUP, R. B. Chinchilla "ranch disease investigation" scheme. *J. Small Anim. Pract.* 6(6):477-480. Dec. 1965. 41.8 J8292
Plan for control in Great Britain.
- 20638 KULL, K. E. Virus enteritis in Sweden. (Sw) *Vara Palsdjur* 37(10):426,429-430,435. Oct. 15, 1966. 410 V42
Minks.
- 20639 PADGETT, G. A., HENSON, J. B., and GORHAM, J. R. Aleutian disease outbreaks. *Nat. Fur News* 38(11):24-25. Dec. 1966. 412.628 R59
- 20640 SCHOLZ, K. Some notes on rabies in the Berlin area. (Ge) *Monatsh. Veterinarmed.* 21(16): 631-632. Aug. 15, 1966. 41.8 M742
English summary.
Foxes.

- 20641 STEPHENSON, R. G. Pesticide residues pose major threat to health of mink. U. S. Fur Rancher 45(5):8,10,12,33. June 1966. 412,629 Am3M
Chiefly insecticides.

Miscellaneous

- 20642 AFANAS'EV, V. A., and PEREL'DIK, N. SH. Kletochnoe pushnoe zverovodstvo, s tsvenym atlasom zverei [The husbandry of fur-bearing animals, with a color atlas]. Moskva, Kolos, 1966. 398 p. SF403.A35
- 20643 AMERICAN FUR BREEDER. Fur farm guide-book issue. Amer. Fur Breeder 39(13),189 p. Nov.1966. 410 Am33
1, The year in review; 2, Ranch site, layout and basic equipment; 3, Fur farm management and practices; 4, Feeding and nutrition; 5, Genetic of the mink; 6, Prevention, diagnosis and treatment of diseases; 7, Buyer's guide; 8, Indexes.
Minks.
- 20644 BACHPOL PUIGDEVAL, D. J. Economic realities in the raising of chinchillas. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 22(250): 203-213. Apr.1965. 41.9 C67
- 20645 THE BLUE BOOK of Fur Farming; everyday reference guide for all ranchers, 1967 edition. Milwaukee, Editorial Service Company, 1966. 174 p. 412.628 H75
- 20646 PELTING. Blue Book Fur Farming 1967:137-140. 412.628 H75
Of mink.
- 20647 ROCHMANN, R. The pelt and pelting of mink. (No) Norsk Pelsdyrl. 40(20):482-504. Oct.20, 1966. 412.628 N812
- 20648 SENZ, W. Acclimatization and domestication of coypus in Germany. (Ge) Bruhl 7(4):8-11. July/Aug.1966. 412.628 B83

HORSES AND MULES

Breeds and Breeding

- 20649 ARABIAN HORSE CLUB REGISTRY OF AMERICA, INC. The Arabian stud book. Vol. XVI, 1965. Chicago, 1966. 555 p. 42.9 Ar1
- 20650 THE GENERAL stud book; second supplement to volume XXXV—return of mares for 1966 with index—registered stallion fees for 1965 and advertisement of stallions for season 1967. London, Weatherbys, 1966. 272 p. 42.9 G28
- 20651 GROOT, P., POLITIEK, R. D., and VOS, M. P. M. Importance of investigation of utility value in breeding of horses. (Du) Veeteelt Zuivelber. 9(5):222-229. May 1966. 49 V51
Draft horses.
- 20652 KHALLED, H. De l'entrainement du pur sang ou du cheval de course [Training of the Thoroughbred or racing horse]. Alfort. Ecole Nat. Vet. These 61,62 p. Ref. 1966. 41.2 AL23
- 20653 PETIT, A. Creation et disparition d'une race: le cheval de trait nivernais [The creation and the disappearance of a breed: the Nivernais draft horse]. Alfort. Ecole Nat. Vet. These 10, 69 p. Ref. 1966. 41.2 AL23
- 20654 SCHWARK, H. J. Das Haflinger Pferd [The Haflinger horse]. Neue Brehm-Bucherei 346, 100 p. Ref. 1965. 409 N392
- 20655 TSANKOV, TS. Results of improvement crossing of Plevna mares with English Thoroughbred stallions. (Bu) Zhivotnovudni Nauk. 2(5): 671-678. 1965. 49 Z65
German summary.
- 20656 WARSAW. PANSTWOWE TORY WYSCIGOW KONNYCH. Polska księga stadna koni arabskich czystej krwi [Polish stud book of Arabian horses]. Vol. VI Supplement 3. Warszawa, 1965. 45 p. 42.9 T65

- 20657 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Application form and lease-ownership agreement Washington Horse Breeders Association 4-H Thoroughbred Mare Lease Program, under supervision of the College of Agriculture Cooperative Extension Service, Washington State University. Wash. State Univ. Ext. E. M. 2021, rev., 2 p. July 1966. 275.29 W27M1

Feeds and Feeding

- 20659 HINTZ, H. F., and LOY, R. G. Effects of pelleting on the nutritive value of horse rations. J. Anim. Sci. 25(4):1059-1062. Ref. Nov.1966. 49 J82
- 20659 MIX, L. S. The effect of polyunsaturated fatty acids and selected vitamins on the skin and coat condition of horses. Vet. Med./Small Anim. Clin. 61(10):958-960. Oct.1966. 41.8 M69

Veterinary Medicine

- 20660 BADOUX, D. M. Mechanics of the acropodium of the horse; a practical application of photoelastic research. Tijdschr. Diergeneesk. 91 (19):1207-1232. Ref. Oct.1,1966. 41.8 T431
- 20661 BARONE, R. Descending paths in the cerebrospinal axis of Equidae. (Fr) Acad. Vet. France. Bull. 39(4):137-141. Apr.1966. 41.9 R24
Chiefly horses and asses.
- 20662 BLASKOVIC, D., and others. Experimental pathogenesis of A/equ1 influenza virus infection in horses. Acta Virol. 10(6):513-520. Ref. Nov.1966. 448.3 A685
J. Szanto, B. Kapitancik, J. Lesso, V. Lackovic, and R. Skarda, joint authors.
- 20663 BRUERE, A. N. A modification of Forssell's operation for crib-biting in the horse. New Zeal. Vet. J. 14(7):95-97. July 1966. 41.8 N483
Operation on muscles of the neck.
- 20664 CAREY, F. M., and SANFORD, J. The effect of tranquilizers on performance in the horse. J. Physiol. 187(2,sup.):21P. Nov.1966. 447.8 J82
- 20665 CARTER, M. E. Microsporium gypseum isolated from ringworm lesions in a horse. New Zeal. Vet. J. 14(7):92-93. July 1966. 41.8 N483
- 20666 DAVIDSON, A., and FRANKS, W. C. A clinical evaluation of anti-inflammatory agents in equine surgery. Mod. Vet. Pract. 47(13):46-49. Nov.1966. 41.8 N812
Oxyphenbutazone and phenylbutazone.
- 20667 DOBY, P. B. Equine infectious anemia program in Illinois. Ill. Vet. 9(3):23-24. Summer 1966. 41.8 IL62
- 20669 ERSHOV, F. I. Symplastoforming activity of virus of equine encephalomyelitis, Venezuelan type. (Rus) Byul. Eksp. Biol. Med. 61(5):87-89. May 1966. 442.8 B87
English summary.
- 20669 FRYC, J. Value of the operative treatment in the occlusion of the alimentary tract in horses. (Pol) Pol. Arch. Weter. 9(4):745-761. Ref. 1966. 41.8 P76
English summary.
- 20670 GAINER, J. H., and others. Research findings in equine infectious anemia. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:254-269. Ref. 1965, pub.1966. 49.9 Un3R
R. L. Amster, W. T. Hall, L. J. Kuhns, and S. L. Nelson, joint authors.
- 20671 GILLESPIE, J. R. The effect of enlarged air-spaces on the function and structure of horse lungs. Diss. Abstr., Sect. B, 27(3):944B-945B. Sept.1966. Z5055, U405D3
- 20672 GOOD, R. E. Osteomyelitis of the mandible due to injury. Southwest. Vet. 19(4):319-320. Summer 1966. 41.8 S082
In the horse.

- 20673 HAENLEIN, G. F. W., SMITH, R. C., and YOON, Y. M. Determination of the fecal excretion rate of horses with chronic colic. *J. Anim. Sci.* 25(4):1091-1095. Ref. Nov.1966. 49 J82
- 20674 HESSELHOLT, M. Studies on blood and serum types of the Icelandic horses. *Acta Vet. Scand.* 7(3):206-225. Ref. 1966. 41.8 Ac87
- 20675 HOLMES, J. R., ALPS, B. J., and DARKE, P. G. G. A method of radiotelemetry in equine electrocardiography. *Vet. Rec.* 79(4):90-94. July 23, 1966. 41.8 V641
- 20676 KOSINSKI, M. Operational removal of bilateral hernia in a foal. *(Pol) Med. Weter.* 22(9): 570. Sept.1966. 41.8 M463
- 20677 MARX, M. B., and SIKES, R. K. Immunizing horses against rabies. *Amer. Vet. Med. Ass. J.* 149(9):1159-1161. Nov.1, 1966. 41.8 Am3
- 20678 MATUMOTO, M., SHIMIZU, T., and ISHIZAKI, R. Verification of antibodies against equine arteritis virus in the serum of Indian mares. *(Fr) Paris. Soc. Biol. Compt. Rend.* 159(5): 1262-1264. 1965. 442.9 P21
- 20679 MERKT, H. Reflections on the estrus of the horse. *(Ge) Tierzuechter* 18(14):482-484. July 20, 1966. 49 T445
- 20680 MILLER, R. M. Psychological effects of succinylcholine chloride immobilization on the horse. *Vet. Med./Small Anim. Clin.* 61(10): 941-943. Oct.1966. 41.8 M69
- 20681 MODRAKOWSKI, A. Halothane intra-tracheal anesthesia in horses and cattle. *(Pol) Med. Weter.* 22(8):450-458. Ref. Aug.1966. 41.8 M463
English summary.
- 20682 MORGAN, J. P. Radiographic study of the distal ulna of the horse. *Amer. Vet. Radiol. Soc. J.* 6:78-81. 1965. 41.9 Am37
- 20683 PALLASKE, G. Pathology of chronic neuritis of cauda equina. *(Ge) Deut. Tierarztl. Wochenschr.* 73(17):415-419. Sept.1, 1966. 41.8 D482
- 20684 PLATONOV, A. V. Contribution to the deciphering of the development cycle of *Setaria equina* Abild., 1789—a horse parasite. *(Rus) Akad. Nauk SSSR. Dokl.* 169(4):982-984. 1966. 511 P444A
- 20685 RICHTER, W. Contribution to tuberculosis diagnosis of horse. II. Hematological investigations. *(Ge) Arch. Exp. Veterinarmed.* 20(3):477-487. Ref. June 1966. 41.8 Ex7
- 20686 ROBERTS, D. The use of bovine ear cartilage in speeding open-wound healing in the horse. *Vet. Med./Small Anim. Clin.* 61(10):961-962. Oct.1966. 41.8 M69
- 20687 ROBINSON, D. M., and others. Western equine encephalomyelitis vaccine produced in chick embryo cell cultures. *Appl. Microbiol.* 14(6): 1011-1014. Nov.1966. 448.3 Ap5
S. Berman, J. P. Lowenthal, and F. M. Hetric, joint authors.
- 20688 ROONEY, J. R., and others. Exhaustion shock in the horse. *Cornell Vet.* 56(2):220-235. Apr.1966. 41.8 C81
J. T. Bryans, M. E. Prickett, and W. W. Zent, joint authors.
- 20689 SIBINOVIC, S., and others. Physical and serologic properties of an antigen prepared from erythrocytes of horses with acute babesiosis. *J. Protozool.* 13(4):551-553. Nov.1966. 439.8 J82
K. H. Sibinovic, M. Ristic, and H. W. Cox, joint authors.
- 20690 SMIRNOV, A. M. Poluchenie zheludochnogo soka ot loshadei i primeneniye ego v veterinarii [Obtaining gastric juice from horses and its use in veterinary medicine]. Leningrad, Kolos, 1965. 42 p. SF918.G386
- 20691 SOMMER, H. Research into horse serum on acetate foil with microzone electrophoresis. *(Ge) Berliner Munchener Tierarztl. Wochenschr.* 79(19):368-371. Ref. Oct.1, 1966. 41.8 B45
English summary.
- 20692 TANUDIMADJA, K. A blood-vessel variation of the brachial artery of the horse. *Commun. Vet.* 9(2):48-50. Dec.1965. 41.8 C73
- 20693 TAYLOR, J. G. Bilateral apical fractures of the proximal sesamoids in the equine. *Southwest. Vet.* 19(4):317-318. Summer 1966. 41.8 So82
- 20694 TILLOTSON, P. J., and KOPPER, P. H. Treatment of aortic thrombosis in a horse. *Amer. Vet. Med. Ass. J.* 149(6):766-767. Sept.15, 1966. 41.8 Am3
- 20695 TONGEREN, H. A. E. VAN. Immunization against equine influenza. II. *(Du) Tijdschr. Diergeneesk.* 91(19):1248. Oct.1, 1966. 41.8 T431
- 20696 TOUCEDO, G. A. Present status of the veterinary clinic for the sporting horse. *(Sp) Rev. Med. Vet. Buenos Aires* 47(3):235-237. May/June 1966. 41.8 B86
- 20697 TUDOR, D. C. Birds, vectors and hosts susceptible to eastern and western encephalitis viruses and related epizootiological aspects: a review. *U. S. Livestock Sanit. Ass. Proc.*, 69th Annu. Meeting:210-253. Ref. 1965.pub. 1966. 49.9 Un3R
Equine encephalomyelitis.
- 20698 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON INFECTIOUS DISEASES OF HORSES. Report. *U. S. Livestock Sanit. Ass. Proc.*, 68th Annu. Meeting: 270-273. 1965.pub.1966. 49.9 Un3R
J. L. O'Harra, chairman.
- 20699 VAGHY, T., and MESZAROS, J. Intermittent lameness in horse caused by thrombosis. *(Hu) Maygar Allatorv. Lapja* 21(10):461-463. Ref. Oct.1966. 41.8 V644
English summary.

Miscellaneous

- 20700 BARSALEAU, R. B. The veterinarian and horse show judging. *Vet. Med./Small Anim. Clin.* 61(10):945-947. Oct.1966. 41.8 M69
- 20701 BURNS, M. A. Rearing orphan foals. *Queensland Agr. J.* 92(9):513-515. Sept.1966. 23 Q33
- 20702 KENTUCKY, UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H horse project record book for all 4-H projects. *Ky. Univ. Ext.* 4-H 1116-A, 8 p. Mar.1966. 275.29 K415Fh
- 20703 SCHAFFRANKE, E. On the importance of horse and sanitation slaughtering halls. *(Ge) Slaecht- Viehhof-Zeitung* 65(1):15-18. Jan. 1965. 286.85 D48
- 20704 WALKER, S. A. Some outstanding equestrian pictures. *Horse & Pony News*, Autumn 1966: 12-16. 42.8 H789
- 20705 WILLMAN, H. A. You can judge horses. *Ag-way Coop.* 2(12):17-20. Dec.1966. 280.28 Ag9

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 20706 GODOWICZ, B., and KRZANOWSKA, H. DNA content of mouse spermatozoa from inbred strain KE of low male fertility. *Folia Biol. [Warsaw]* 14(3):235-242. Ref. 1966. 442.8 F71
- 20707 LIU, S. K. Genetic influence on resistance of mice to *Nematostrioides dubius*. *Exp. Parasitol.* 18(2):311-319. Ref. Apr.1966. 436.8 Ex7
- 20708 SELLER, M. J., and POLANI, P. E. Experimental chimera in a genetic defect in the house mouse *Mus musculus*. *Nature [London]* 212(5057):80-81. Oct.1, 1966. 472 N21

Feeds and Feeding

- 20709 FELIX CHAVEZ, J., and BAUMANN, C. A. Toxicity of a sesame cake and wheat with high selenium content compared with sodium selenite. *(Sp) Soc. Quim. Peru. Bol.* 42(1):14-19. Mar.1966. 385 So15
English summary.
Tests with rats.

- 20710 KAKADE, M. L., and EVANS, R. J. Growth inhibition of rats fed raw navy beans (*Phaseolus vulgaris*). *J. Nutr.* 90(2):191-198. Oct. 1966. 389.8 J82
- 20711 LAKHANPAL, R. K., and others. Evidence for an unidentified growth factor(s) from alfalfa and other plant sources for young guinea pigs. *J. Nutr.* 89(3):341-346. Ref. July 1966. 389.8 J82
- J. R. Davis, J. T. Typpo, and G. M. Briggs, joint authors.
- 20712 MELLIERE, A. L. Effects of dietary inorganic acids, their salts, and cation-anion ratios on growth, mineral and nitrogen metabolism in the rat and chick. *Diss. Abstr.*, Sect. B, 27(3): 657B-658B. Sept. 1966. Z5055,U49D53
- 20713 NIEDER, H. Beitrag zur standardisierung der Bewertung von Nahrungs- und Futtermittelproteinen mittels wachsender Ratten [Contribution to standardization of nutrition and feed protein evaluation by growing rats]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 14,185 p. 1965. 105.8 B644
- Bibliography, p.162-185.
- 20714 SRIVASTAVA, L. S., and TURNER, C. W. Effect of vitamin D₃ on milk yield of thyroparathyroidectomized rats. *J. Dairy Sci.* 49(11): 1459-1460. Nov. 1966. 44.8 J822
- 20715 VRIGAZOV, A., and SIMFONOV, S. Effect of different additives to the feed on strontium 90 deposition in rat bones. (Bu) *Vet. Med. Nauk.* 3(5):551-554. Ref. 1966. 41.8 V6468
- English summary.
- 20716 YADAV, K. P. Role of dietary iodine and protein source in carotene utilization by rats and chicks. *Diss. Abstr.*, Sect. B, 27(4):1073B. Oct. 1966. Z5055,U49D53
- Veterinary Medicine
- 20717 BALDWIN, B. A. Factors influencing thermoregulation in mice. *J. Physiol.* 186(2):73P-75P. Oct. 1966. 447.8 J82
- 20718 BAUMAN, T. R., and TURNER, C. W. Comparison of biological activity of orally administered and injected L-Thyroxine, L-Triiodothyronine and Thyroprotein in rats. *Soc. Exp. Biol. Med. Proc.* 123(1):9-14. Ref. Oct. 1966. 442.9 S01
- 20719 BLANC, B. Le système de la veine porte du hamster dore et du rat blanc [The portal vein system in hamster and white rat]. *Alfort. Ecole Nat. Vet.* These 58,72 p. Ref. 1966. 41.2 AL23
- 20720 BOHOSIEWICZ, M. Studies on the toxicity of insecticides derived from organic phosphorus compounds for mice. (Pol) Wrocław, Wyzsza Szkoła Roln. Zeszyty Nauk. Weter. 17:105-118. Ref. 1964. 41.9 B753
- English summary.
- 20721 BONCIU, C., BONCIU, O., and PETROVICI, M. Nocardiosis in guinea-pigs and rabbits. (Fr) *Arch. Roumaines Pathol. Exp. Microbiol.* 24(2):365-378. Ref. June 1965. 448.3 Ar22
- English summary.
- Caused by Nocardia farcinica.
- 20722 BUCHVAROVA, N., and NAIDENOV, N. On a modification of the Zeumer-Fischer method for determining aromatic organophosphorus preparations. (Bu) *Vet. Med. Nauk.* 3(5):513-518. Ref. 1966. 41.8 V6468
- English summary.
- Experiments with poisoned laboratory animals.
- 20723 CAMERON, C. M. The haemagglutination test and immunity to Pasteurella haemolytica. *S. Afr. Vet. Med. Ass. J.* 37(2):165-170. Ref. June 1966. 41.8 S08
- Mice.
- 20724 CONSIDINE, R. G., and STARR, T. J. Tolerance to the induction of interferon by vaccinia virus in germfree mice. *Ind. Acad. Sci. Proc.* 75:57-60. 1965, pub. 1966. 500 In2
- 20725 COSGROVE, G. E. Late somatic effects of radiation exposure in laboratory mice. *Amer. Vet. Radiol. Soc. J.* 6:95-102. 1965. 41.9 Am37
- 20726 DIAZ-UNGRIA, C., GALLARDO ZERPA, M. F., and YEPEZ M., M. S. Behavior of Trypanosoma venezuelense in laboratory animals. (Sp) *Rev. Vet. Venezolana* 19(113):349-361. Dec. 31, 1965. 41.8 R3226
- English summary.
- 20727 DJOJOSOEBOAGIO, S. Relationship between deoxyribonucleic acid of mammary gland and its milk secretion. *Commun. Vet.* 9(2):40-47. Ref. Dec. 1965. 41.8 C73
- In rats.
- 20728 EMMERSON, J. L., and ANDERSON, R. C. Metabolism of trifluralin in the rat and dog. *Toxicol. Appl. Pharmacol.* 9(1):84-89. Ref. July 1966. 391.8 T662
- 20729 EWAN, R. C. The metabolism of selenium by rats and lambs. *Diss. Abstr.*, Sect. B, 27(4): 1007B. Oct. 1966. Z5055,U49D53
- 20730 FROGER, C. Contribution à l'étude du système artériel du cobaye (*Cavia porcellus* L.); thorax, membre thoracique, cou et tête [Contribution to the study of the arterial system of guinea pigs (*Cavia porcellus* L.); thorax, thoracic members, neck and head]. *Alfort. Ecole Nat. Vet.* These 26,70 p. Ref. 1966. 41.2 AL23
- 20731 GAY, W. I. Laboratory animal medicine. *Amer. Anim. Hosp. Ass. Proc.*, 32th Annu. Meeting:182-184. Ref. 1965. 41.9 Am36
- 20732 GWATKIN, R. B. L. Defined media and development of mammalian eggs in vitro. *N. Y. Acad. Sci. Ann.* 139(1):75-90. Ref. Oct. 7, 1966. 500 N484
- Chiefly mice.
- 20733 HESS, R. Cavities nasales et larynx du cobaye [Nasal cavities and larynx of guinea pig]. *Alfort. Ecole Nat. Vet.* These 27,43 p. Ref. 1966. 41.2 AL23
- 20734 MATTEI, A. Anatomie de l'appareil genital femelle du cobaye [Anatomy of sex organs of the female guinea pig]. *Alfort. Ecole Nat. Vet.* These 38,45 p. Ref. 1966. 41.2 AL23
- 20735 MISU, Y., and others. Subacute toxicity of O,O-dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate (Sumithion) in the rat. *Toxicol. Appl. Pharmacol.* 9(1):17-26. Ref. July 1966. 391.8 T662
- T. Segawa, I. Kuruma, M. Kojima, and H. Takagi, joint authors.
- 20736 MITEV, G., and TEKERLEKOV, P. Production of specific hyperimmune sera and their use in typing of the foot-and-mouth disease virus. (Bu) *Vet. Med. Nauk.* 3(6):579-584. 1966. 41.8 V6468
- English summary.
- From guinea pigs.
- 20737 NAUDE, T. W., and POTGIETER, D. J. J. A preliminary note on the isolation and pharmacological actions of the toxic principles of *Hemeria glauca* (W. and E.) N.E. Br. (Natal yellow tulip). *S. Afr. Vet. Med. Ass. J.* 37(1): 73-75. Mar. 1966. 41.8 S08
- Toxicity to guinea pig and mouse.
- 20738 OSTWALD, R., and others. Bone marrow composition of cholesterol-fed guinea pigs. *Soc. Exp. Biol. Med. Proc.* 123(1):220-224. Ref. Oct. 1966. 442.9 S01
- O. Darwish, D. Irwin, and R. Okey, joint authors.
- 20739 OXENREIDER, S. L. Unilateral regression of corpora lutea and luteal function in the guinea pig with related studies in swine. *Diss. Abstr.*, Sect. B, 27(4):1008B-1009B. Oct. 1966. Z5055,U49D53
- 20740 PAUTRIZEL, R., and others. Effects of electromagnetic waves and associated magnetic fields on the immunity of mouse infected by *Trypanosoma equiperdum*. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(5):579-582. Aug. 1, 1966. 505 P21
- M. Riviere, A. Priore, and F. Berlureau, joint authors.
- 20741 POP, A., and others. The enteropathy of suckling mice, clinical and epizootological characters, investigations concerning its aetiology. (Fr) *Arch. Roumaines Pathol. Exp. Microbiol.* 24(2):389-400. Ref. June 1965. 448.3 Ar22
- A. Olinesco, A. Oprisan, and N. Gaico, joint authors.
- English summary.

- 20742 WHUR, P. Mast cell and globule leucocyte response to Nippostrongylus brasiliensis infection and to induced anaphylaxis. *Int. Arch. Allergy Appl. Immunol.* 30(4):351-359. Ref. 1966. 448.8 In8
in rats.
- 20743 WITTMANN, G. Antigenic and immunological relationships between the A sub-types of the foot-and-mouth disease virus. II. After inoculation of guinea pigs with formalin-adsorbed vaccines. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 13(4):321-333. Aug. 1966. 41.8 Z52
English summary.
- 20744 ZAHACZEWSKI, J., and JUSZKIEWICZ, T. Maintenance of antibacterial activity of chloramphenicol palmitate following parenteral administration to mice. *Pulawy. Inst. Weter. Bull.* 9(3):97-98. July/Sept. 1965. 41.9 P962
- POULTRY**
- Breeds and Breeding
- 20745 ABBOTT, U. K., and MACCABE, J. A. Electroductivity: a new embryonic lethal mutation in the chicken. *J. Hered.* 57(5):207-211. Ref. Sept./Oct. 1966. 442.8 Am3
- 20746 BAMMI, R. K., SHOFFNER, R. N., and HAI-DEN, G. J. Non random association of somatic chromosomes in the chicken-Coturnix quail hybrid and the parental species. *Can. J. Genet. Cytol.* 8(3):537-543. Sept. 1966. 443.8 C16
- 20747 BAMMI, R. K., SHOFFNER, R. N., and HAI-DEN, G. J. Sex ratios and karyotype in the chicken-Coturnix quail hybrid. *Can. J. Genet. Cytol.* 8(3):533-536. Sept. 1966. 443.8 C16
- 20748 BAROV, V. Dispersion analysis in complete groups of small variant selections in poultry husbandry. (Bu) *Zhivotnovudni Nauk.* 3(4):657-665. 1966. 49 Z65
English summary.
- 20749 DEACON, L. E., and PATTERSON, E. B. The effect of oxytetracycline on the performance of turkey breeder hens. *Poultry Sci.* 45(5): 1053-1058. Sept. 1966. 47.8 Am33P
- 20750 GIBSON, W. R. A study of obesity and hyperlipemia in the hypophysectomized cockerel. *Diss. Abstr.*, Sect. B, 27(3):944B. Sept. 1966. Z5055.U49D53
- 20751 GRIMES, J. F. Table egg profit factors. *Indian Poultry Gaz.* 50(1):21-27. Apr. 1966. 47.8 In22
Breeding for quality egg production in India.
- 20752 JACK, M. H. EL, and LAKE, P. E. The effect of resting roosters from ejaculation on the quality of spermatozoa in semen. *J. Reprod. Fertil.* 11(3):489-491. June 1966. 442.8 J6222
- 20753 LEPORE, P. D., and MARKS, H. L. Intravaginal insemination of Japanese quail: factors influencing the basic technique. *Poultry Sci.* 45(5):888-891. Sept. 1966. 47.8 Am33P
- 20754 MADARIAGA DE LA CAMPA, B. Aggressiveness in the fighting cock. (Sp) *Veterinaria [Madrid]* 31(1):25-30. Jan. 1966. 41.8 V6429
- 20755 MAKARECHIAN, M., and NIK-KHAH, A. Crossbreeding between the native and New Hampshire breed. *Pahlavi Univ. Coll. Agr. Dep. Anim. Husb. Res. Bull.* 4:37 p. July 1966. 49.9 P1522
Text also in Persian, p. 21-37.
- 20756 MARKS, H., and others. Unser Rassegelugl; Huhner, Enten, Gansse, Puten, Perlhuhner [Our poultry breeds; fowls, ducks, geese, turkeys, guinea fowls]. Berlin, 1965. 400 p. Ref. SF488.G3M3
W. Krebs, E. Angermann, R. Barth, E. Bleisch, K. Friedemann, J. Goldhahn, F. Joppich, H. Lips, H. Nobis, W. Salz, F. Schaefer, and E. Ziegenhagen, joint authors.
- 20757 MATYNIAK, J., and ZIOLECKI, J. Evaluation of meat yields in Beltsville Small White, Broad Breasted Bronze, standard Bronze, the cross of Broad Breasted Bronze x standard Bronze and the native land turkeys. (Pol) *Rocz. Nauk Roln.* 88-B-4:443-457. Ref. 1966. 20.5 R59
English summary.
- 20758 MAUCH, A. Principles of genetics and system of breeding in the production of poultry. (Rum) *Rev. Zootech. Med. Vet.* 16(9):37-44. Sept. 1966. 49 P943
- 20759 MORRIS, J. A., and BINET, F. E. Heterosis and selection in the domestic fowl. *Australian J. Biol. Sci.* 19(4):575-585. Ref. Aug. 1966. 442.8 Au72
- 20760 MULLER, H. D., and MORENG, R. E. Genetic transmission of radiation-induced physiological depression in the domestic fowl. *Radiat. Res.* 29(1):85-99. Ref. Sept. 1966. 334.8 R11
- 20761 NEMETH, L. Breeding of geese. (Hu) *Magyar Mezőgazdaság* 21(41):20-21. Oct. 12, 1966. 19 M27
- 20762 NESTOR, K. E., and CHAMBERLIN, V. D. Repeatability of body measurements in the turkey. *Poultry Sci.* 45(5):1059-1060. Sept. 1966. 47.8 Am33P
- 20763 QUISENBERRY, J. H. Match the feed to the strain. *Poultry Trib.* 72(9):18-19, 70. Sept. 1966. 47.8 P8642
Selection for improved feed efficiency of layers.
- 20764 RADEV, G., and DANOV, D. Investigations into the spermiogram of cocks and ganders. (Bu) *Zhivotnovudni Nauk.* 2(6):923-929. Ref. 1965. 49 Z65
English summary.
- 20765 RAPPAPORT, S., and SOLLER, M. Mating behavior, fertility and rate-of-gain in Cornish males. *Poultry Sci.* 45(5):997-1003. Ref. Sept. 1966. 47.8 Am33P
- 20766 SIEGEL, H. S., and SIEGEL, P. B. Genetic variation in responses to repeated administrations of ACTH and hydrocortisone in immature chickens. *Poultry Sci.* 45(5):901-912. Ref. Sept. 1966. 47.8 Am33P
- 20767 VOETEN, A. C., and BRUS, D. H. J. The production number as a criterion for the breeding results of broiler chickens. (Du) *Tijdschr. Diergeneesk* 91(19):1233-1240 Oct. 1, 1966. 41.8 T431
English summary.
- 20768 YOES, M. E. Phenotypic relations and estimates of genetic parameters from diallel matings of chickens. *Diss. Abstr.*, Sect. B, 27(4): 1043B-1044B. Oct. 1966. Z5055.U49D53
- Feeds and Feeding
- 20769 ALEKSIEV, A., and KRUSTEVA, E. Investigations on the Bulgarian produced dicalcium phosphate as phosphorus feed for broiler. (Bu) *Zhivotnovudni Nauk.* 3(3):363-368. Ref. 1966. 49 Z65
German summary.
- 20770 ALEKSIEV, A. Investigation on the effectiveness of various calcium sources in chick experiments. (Bu) *Zhivotnovudni Nauk.* 3(4):523-528. Ref. 1966. 49 Z65
German summary.
Feeding.
- 20771 ALEKSIEV, A., and KUMANOV, K. On the effect of feed ratios with molybdenized lucerne hay meal on the organism of growing chicks. (Bu) *Zhivotnovudni Nauk.* 3(4):547-552. Ref. 1966. 49 Z65
German summary.
- 20772 BAEUM, J. Barley in feed mixtures for broilers. (Da) *Landbonyt* 20(11):388-390. Nov. 1966. 11 L2322
- 20773 BIELINSKI, K., BIELINSKA, K., and FILUS, J. Effect of high protein level in fodder in initial period of fattening upon production of fat goose livers. (Pol) *Rocz. Nauk Roln.* 88-B-4:425-434. 1966. 20.5 R59
English summary.
- 20774 BIERER, B. W., ELEAZER, T. H., and BAR-NETT, B. D. The effect of feed and water deprivation on water and feed consumption, body weight and mortality in broiler chicken of various ages. *Poultry Sci.* 45(5):1045-1051. Ref. Sept. 1966. 47.8 Am33P

- 20775 BOBIS, L., and OKAL, A. Production of goose fatty livers in Czechoslovakia. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(3):128-132. Sept. 1965. 47.9 P87
English summary.
Effects of feeding.
- 20776 BONITZ, W., and KLAFFKE, S. Investigations on the effect of superphosphate admixture in deep litter in broiler fattening. (Ge) Arch. Geflügelzucht Kleintierkunde 15(4):253-260. 1966. 47.8 Ar22
English summary.
Nutrient content of litter and later use as fertilizer.
- 20777 BROWN, W. O. High energy diets for poultry. 1. The concept of high energy diets. Veterinarian [Oxford] 3(3):193-199. Ref. Sept. 1965. 41.8 V6467
- 20778 BROWN, W. O. High energy diets for poultry. 2. Composition of mixed diets of high energy content. Veterinarian [Oxford] 3(4):267-274. Ref. Dec. 1965. 41.8 V6467
- 20779 DORUCHOWSKI, W., and others. Utilization of some feed nutrients by geese. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(4):161-170. Ref. Dec. 1965. 47.9 P87
M. Trojan, U. Lubawa, and W. Smoch, joint authors.
English summary.
- 20780 DUA, P. N., and others. Influence of dietary vitamin A on carotenoid utilization, nitrogen retention and energy utilization by the chick. J. Nutr. 90(2):117-122. Ref. Oct. 1966. 389.8 J82
E. J. Day, H. C. Tipton, and J. E. Hill, joint authors.
- 20781 HARMS, R. H., and ARRINGTON, L. R. Potential of high level iodine feeding for hens. Feed Manage. 17(12):30-31. Dec. 1966. 389.78 Ea7
- 20782 IVANOV, N., and others. DL-methionine and L-lysine in the nutrition and metabolism of chicks. (Bu) Zhivotnovudni Nauk. 3(1):3-12. 1966. 49 Z65
K. Kumanov, S. Kumanov, and P. Vulchev, joint authors.
German summary.
- 20783 IVANOV, N., and CHOTINSKI, D. The lipid level in the growing poultry organism under the effect of DL-methionine and chlortetracycline. (Bu) Zhivotnovudni Nauk. 2(5):689-695. Ref. 1965. 49 Z65
German summary.
Feeding.
- 20784 KEMMERER, A. R., and others. Effect of iron sulphate on egg discoloration caused by gossypol. Poultry Sci. 45(5):1025-1028. Sept. 1966. 47.8 Am33P
B. W. Heywang, M. G. Vavich, and E. T. Sheehan, joint authors.
- 20785 KUMANOV, S., and MARINOV, B. The effect of feed yeast and fishmeal rations on chick growth with and without DL-methionine supplementation. (Bu) Zhivotnovudni Nauk. 3(1):13-20. Ref. 1966. 49 Z65
German summary.
- 20786 KUMANOV, S., and VULCHEV, P. Effect of higher grain feed portion in the ration on egg production of hens. (Bu) Zhivotnovudni Nauk. 2(5):763-766. 1965. 49 Z65
German summary.
- 20787 KUMANOV, S., and others. Investigations on protein-poor nutrition of chicks. I-II. (Bu) Zhivotnovudni Nauk. 3(2):161-173. 1966. 49 Z65
B. Marinov, N. Ivanov, and P. Vulchev, joint authors.
German summary.
Effects of DL-methionine and L-lysine.
- 20788 LAKSEVELA, B., OLSEN, S., and UTVIK, A. The influence of grinding and sieving on the nutritive value of herringmeal for chicks. J. Sci. Food Agr. 17(7):327-329. July 1966. 382 So12
- 20789 LEIBETSEDER, J. On the effect of an anabolic steroid in chick fattening with oral administration. (Ge) Z. Tierphysiol. Tierernähr. Futtermittelkunde 21(3):133-136. May 1966. 389.78 Z3
English summary.
- 20790 LOCKHART, W. C., BRYANT, R. L., and BOLIN, D. W. The effects of B-vitamin deficiencies on the efficiency of metabolizable energy and protein utilization. Poultry Sci. 45(5):939-945. Ref. Sept. 1966. 47.8 Am33P
On a vitamin supplemented diet.
- 20791 MAKARECHIAN, M., and KESHAVARZ, K. The effect of different sources of animal proteins upon the growth of young chicks. Pahlavi Univ. Coll. Agr. Dep. Anim. Husb. Res. Bull. 3:14 p. Jan. 1965. 49.9 P1522
Text also in Persian, p.8-14.
- 20792 MARINOV, B. Efficiency of plant feed rations for chicks enriched with vitamin B₁₂, DL-methionine and Biovit. (Bu) Zhivotnovudni Nauk. 3(4):553-561. Ref. 1966. 49 Z65
German summary.
- 20793 MARINOV, B., and KUMANOV, S. Investigations on the effectiveness of the addition of beef suet and DL-methionine in chick rations. (Bu) Zhivotnovudni Nauk. 3(1):21-35. Ref. 1966. 49 Z65
German summary.
- 20794 MAZANOWSKI, A. The influence of diets supplemented with herbs upon the growth of broilers. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(2):59-69. June 1965. 47.9 P87
English summary.
- 20795 MAZANOWSKI, A., and MAZANOWSKA, A. A trial with adding sorbitol to concentrated mixtures for broilers. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(3):117-127. Ref. Sept. 1965. 47.9 P87
English summary.
- 20796 MCGINNIS, J. Wheat as a feed for laying hens. Wash. State Univ. Ext. E. M. 2688, 10 p. Aug. 1966. 275.29 W27Mi
- 20797 MILLER, J. K., and JENSEN, L. S. Effect of dietary protein source on zinc absorption and excretion along the alimentary tracts of chicks. Poultry Sci. 45(5):1051-1053. Sept. 1966. 47.8 Am33P
- 20798 NAKAUE, H. S. Further studies on antipyretic drugs in avian nutrition and metabolism. Diss. Abstr., Sect. B, 27(4):1065B-1066B. Oct. 1966. Z5055.U49D5
Effects of acetyl-salicylic acid.
- 20799 NESTOR, K. E., and BROWN, K. I. Holding poulters after hatching reduces early growth rate. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 51(3):36. May/June 1966. 100 Oh3S
Feeding.
- 20800 NEWBERNE, P. M., WOGAN, G. N., and HALL, A. Effects of dietary modifications on response of the duckling to aflatoxin. J. Nutr. 90(2):123-130. Oct. 1966. 389.8 J82
- 20801 PEROTTI, R. M. Nutrition, deficiencies and production of poultry. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):177-182. May/June 1966. 41.8 B86
- 20802 POPE, D. L. Phase feeding program developed for commercial laying operation. Feed-stuffs 38(47):21-22, 26. Nov. 26, 1966. 286.81 F322
Includes costs.
- 20803 QUISENBERRY, J. H. Matching the feed to strain of bird. Feed Bag 42(11):3,6,10. Nov. 1966. 389.78 F32
- 20804 RHEE, H. J., and RHEE, Y. C. Study on the utilization of raw soybean meal in practical chick ration. (Ko) Chunchon Nongwa Taehak. Yong'u Nonmunjip. J. 1:39-45. Ref. July 1965. S19.C5
English summary.
- 20805 STOLMENOV, B., and IOVCHIEV, N. Zootechnical and economical effect of application non-stabilized soya oils in chick feeding. (Bu) Zhivotnovudni Nauk. 2(5):729-735. Ref. 1965. 49 Z65
German summary.

- 20806 SUPPLEE, W. C. Lack of response to supplementation of a purified diet with menhaden fish solubles. *Poultry Sci.* 45(5):1060-1061. Sept. 1966. 47.8 Am33P
- 20807 SZYMKIEWICZ, M., ZNANIECKA, G., and MALINOWSKI, A. Dehydrated raw potato meal and potato flakes as a substitute for ground corn in a broiler diet. III. Fattening of chicks using raw potato meal and potato flakes or different amounts of potato flakes in the starter and finisher. (Pol) *Rocz. Nauk Roln.* 89-B-1: 25-35. Ref. 1966. 20.5 R59
English summary.
- 20808 TAMMIE, H. S., and PSCHIEDT, G. R. Effect of feeding high levels of L-phenylalanine to day-old chicks and its relationship to sex and breed. *Compar. Biochem. Physiol.* 17(4):1159-1166. Ref. Apr. 1966. 444.8 C73
- 20809 THONI, P. UFA/SEG research farm, Buhl poultry fattening research stall. (Ge) *Grüne* 94(44):1617-1623. Nov. 4, 1966. 17 Sch9
Switzerland.
- 20810 WAGH, P. V., and WAIBEL, P. E. Metabolizability and nutritional implications of L-arabinose and D-xylose for chicks. *J. Nutr.* 90(2): 207-211. Ref. Oct. 1966. 389.8 J52
- 20811 WISE, W. E., and BEGIN, J. J. Precautions in using feed additives for layers. *Ky. Univ. Ext. Leaf.* 292, 6 p.-folder. Aug. 1966. 275.29 K415Le
Chiefly drugs.
- Veterinary Medicine
- 20812 ABRAMOVICI, A. Refractometric study of allantoid and amniotic liquids of chick embryo during normal development. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):389-392. July 25, 1966. 505 P21
- 20813 ALLCROFT, R., and RAYMOND, W. D. Toxic groundnut meal: biological and chemical assays of a large batch of a "reference" meal used for experimental work. *Vet. Rec.* 79(4):122-123. July 23, 1966. 41.8 V641
With ducks.
- 20814 ALMEIDA, J. D., HIMMELWEIT, F., and ISAACS, A. Studies on the intracellular haemagglutinin component of fowl plague virus and other myxoviruses. *J. Gen. Microbiol.* 45(1): 153-158. Oct. 1966. 448.3 J823
- 20815 AMPRINO, R., and CAMOSSO, M. E. Regulation of abnormal development of chick organs. (Fr) *Arch. Anat. Microscop. Morphol. Exp.* 54 (2):781-809. Ref. Apr./June 1965. 444.8 Ar21
Chick embryos; wings.
- 20816 ANOROVA, N. S. Analysis of relationship between age of parents and peculiarities of development of offspring in hens. (Rus) *Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved.* 1:12-21. Ref. Jan./Feb. 1966. 442.9 M854
- 20817 ARORA, K. L., and KOSIN, I. L. Developmental responses of early turkey and chicken embryos to preincubation holding of eggs: inter- and intra-species differences. *Poultry Sci.* 45(5):958-970. Ref. Sept. 1966. 47.8 Am33P
- 20818 ASMUNDSON, V. S., KRATZER, F. H., and JULIAN, L. M. Inherited myopathy in the chicken. *N. Y. Acad. Sci. Ann.* 138(1):49-60. Ref. Sept. 9, 1966. 500 N484
Includes discussion
- 20819 BELL, D. J., and BIRD, T. P. Urea and volatile base in the caeca and colon of the domestic fowl: the problem of their origin. *Compar. Biochem. Physiol.* 18(4):735-744. Ref. Aug. 1966. 444.8 C73
- 20820 BERGHEN, P. Serum protein changes in *Capillaria obsignata* infections. *Exp. Parasitol.* 19 (1):34-41. Ref. Aug. 1966. 436.8 Ex7
In poultry and pigeons.
- 20821 BICKFORD, A. A. Experimental toxoplasmosis in chickens. *Diss. Abstr.*, Sect. B, 27(2):526B-527B. Aug. 1966. Z5055.U49D53
- 20822 BOLTON, T. B. A dually innervated longitudinal arterial muscle in the fowl. *J. Physiol.* 186(2):129P-130P. Oct. 1966. 447.8 J82
- 20823 BOSCHER, L., and others. Booster vaccination against Newcastle disease of laying hens using a live virus vaccine. (Fr) *Soc. Vet. Prat. France. Bull. Mens.* 49(7):243-247. July 1965. 41.9 Sol2
B. Stucky, J. C. Perrault, L. Renault, and C. Maire, joint authors.
Includes discussion.
- 20824 BOYD, F. M., and EDWARDS, H. M. Effect of dietary fats on infection by *Escherichia coli* in chicks. *Soc. Exp. Biol. Med. Proc.* 121(2):218-220. Ref. May 1966. 442.9 Sol
- 20825 BRADLEY, R. E., and REID, W. M. Histomonas meleagridis and several bacteria as agents of infectious enteropathitis in gnotobiotic turkeys. *Exp. Parasitol.* 19(1):91-101. Ref. Aug. 1966. 436.8 Ex7
- 20826 BRATT, M. A. Interference between strains of Newcastle disease virus. *Diss. Abstr.*, Sect. B, 27(4):1038B. Oct. 1966. Z5055.U49D53
- 20827 BRUS, D. H. J., VOETEN, A. C., and DECKERS, H. F. The prevention of *Mycoplasma gallisepticum* infection in broiler chickens by means of treatment of the eggs. (Du) *Tijdschr. Diergeneesk.* 91(20):1275-1281. Ref. Oct. 15, 1966. 41.8 T431
English summary.
- 20828 BUBIEN, Z. A case of poisoning in hens with the organic phosphorus insecticide, Guthion. (Pol) *Med. Weter.* 22(4):222-223. Ref. Apr. 1966. 41.8 M463
- 20829 BUKRINSKAYA, A. G., and BURDUCEA, O. The site of Newcastle disease virus RNA synthesis. *Rev. Roumaine Inframicrobiol.* 2(4): 287-290. 1965. 448.3 R323
- 20830 CASTAGNOLI, B., and BELLANI, L. Sanitation of the egg and its products. (It) *Vet. Ital.* 17(7/8):447-471. July/Aug. 1966. 41.8 C87
Review of the literature.
Especially effects of diseases.
- 20831 CHANDIRAMANI, N. K., VAN ROEKEL, H., and OLESIU, O. M. Viability studies with *Mycoplasma gallisepticum* under different environmental conditions. *Poultry Sci.* 45(5): 1029-1044. Ref. Sept. 1966. 47.8 Am33P
- 20832 CHUTE, H. L. Trends in poultry diagnostic laboratories. *U. S. Livestock Sanit. Ass. Proc.*, 69th Annu. Meeting: 474-476. 1965, pub. 1966. 49.9 Un3R
- 20833 COLEMAN, J. W., and SIEGEL, P. B. Selection for body weight at eight weeks of age. 5. Embryonic stage at oviposition and its relationship to hatchability. *Poultry Sci.* 45(5): 1008-1011. Ref. Sept. 1966. 47.8 Am33P
- 20834 COLUSSI, A. D., and GARBINI, J. D. Avian monocytosis; its importance in the Argentine Republic. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47(3):261-262, 264-266, 269-270. Ref. May/June 1966. 41.8 B56
English summary.
- 20835 COOK, R. S., TRAINER, D. O., and GLAZENER, W. C. Haemoprotozoa in wild turkeys from the coastal bend of south Texas. *J. Protozool.* 13 (4):588-590. Ref. Nov. 1966. 439.8 J82
- 20836 CORWIN, R. M., and MCGHEE, R. B. Anemia in ducklings treated with malarious plasma. *Exp. Parasitol.* 18(2):281-289. Ref. Apr. 1966. 436.8 Ex7
Infected with *Plasmodium lophurae*.
- 20837 CRAIG, F. G., and GARREN, H. W. Breast blisters. *Res. Farming* [N. C. Sta.] 24(4):3. Spring 1966. 100 N81R
- 20838 DABROWSKA, A. *Pseudomonas aeruginosa* as a cause of mortality in duck embryos. (Pol) *Med. Weter.* 22(9):528. Sept. 1966. 41.8 M463
- 20839 DAVIS, P. N. Iron utilization in the chick. *Diss. Abstr.*, Sect. B, 27(3):718B. Sept. 1966. Z5055.U49D53
- 20840 DECKER, J. D. An electron microscopic investigation of osteogenesis in the embryonic chick. *Amer. J. Anat.* 118(2):591-613. Ref. Mar. 1966. 447.8 Am32
- 20841 DOUGLAS, C. R. Selected factors affecting the metabolism of xanthophyll in chickens. *Diss. Abstr.*, Sect. B, 27(3):656B. Sept. 1966. Z5055.U49D53

- 20842 DRZEWINSKA, B., and WILCZYNSKI, M. Necrotic foci in the livers of geese. (Pol) Med. Weter. 22(8):495-497. Aug. 1966. 41.8 M463
- 20843 ERICKSON, A. E., and PINCUS, G. Modification of embryonic development of reproductive and lymphoid organs in the chick. *J. Embryol. Exp. Morphol.* 16(1):211-229. Ref. Aug. 1966. 442.8 J829
- 20844 ERNST, R. A., and RINGER, R. K. The specific gravity of Japanese quail (*Coturnix coturnix japonica*). *Poultry Sci.* 45(5):1063-1064. Sept. 1966. 47.8 Am33P
- 20845 FEATHERSTON, W. R., BOEHM, R., and ROGLER, J. C. Influence of dietary iodine on I¹³¹ retention and distribution in the chick. *Soc. Exp. Biol. Med. Proc.* 123(1):73-76. Ref. Oct. 1966. 442.9 S31
- 20846 FRANKEL, I. A. Adrenal function in hypophysectomized and intact chickens. *Diss. Abstr.* Sect. B, 27(3):944B. Sept. 1966. Z5055,U49D53
- 20847 FRASER, D. M. Lameness in domestic poultry. *Veterinarian [Oxford]* 3(3):177-184. Sept. 1965. 41.8 V6467
- 20848 FRASER, R. C. Polypeptide chains of chick embryo hemoglobins. *Biochem. Biophys. Res. Commun.* 25(1):142-146. Ref. Oct. 5, 1966. 442.8 B5236
- 20849 FREEDLAND, R. A., MARTIN, K. D., and McFARLAND, L. Z. A survey of glutamic dehydrogenase activity in four tissues of normal and starved *Coturnix*. *Poultry Sci.* 45(5):985-991. Ref. Sept. 1966. 47.9 Am33P
- 20850 FRITZ, H. I. Studies on the role of the white in the development of the chick embryo. *Diss. Abstr.* Sect. B, 27(2):340B. Aug. 1966. Z5055,U49D53
- 20851 GEISSLER, H., and ENDERS, B. Typhlohepatitis of the gallinaceous bird; summary review. (Ge) *Deut. Tierarztl. Wochenschr.* 73(18):459-461. Sept. 15, 1966. 41.8 D482
- Poultry and Turkey.
- 20852 GRABOWSKI, K. T. Ontogenetic changes in the concentration of serum proteins in chick and mammalian embryos. *J. Embryol. Exp. Morphol.* 16(1):197-202. Ref. Aug. 1966. 442.8 J829
- Rat embryos.
- 20853 GRUNDBOECK, M. Myeloid metaplasia findings in iris of chickens affected with the ocular form of Marek's disease. *Pulawy. Inst. Weter. Bull.* 9(4):137-139. Oct./Dec. 1965. 41.9 P962
- In Poland.
- 20854 GYLSTORFF, I., and TETTENBORN, D. Medication related panniculopathy of hen. (Ge) *Deut. Tierarztl. Wochenschr.* 73(17):420-422. Ref. Sept. 1, 1966. 41.8 D482
- Sulfadoxine effect.
- 20855 HACHMOLLER, O. Das Auftreten von Perosis bei der Kuekenmast in Batterien und Moglichkeiten ihrer Eindammung mit Hilfe besonderer Futterungsmassnahmen [Occurrences of perosis in battery feeding of chicks and possibilities for curbing it with the help of special feeding measures]. *Bonn. Univ. Landwirt. Fak. Inaug.-Diss.* 9,114 p. 1965. 105.8 B644
- Bibliography, p. 108-114.
- 20856 HALLER, R. W., and SUNDE, M. L. The effects of withholding water on the body temperature of pouls. *Poultry Sci.* 45(5):991-997. Sept. 1966. 47.8 Am33P
- 20857 HALLOWAY, H. L. Prosthrynchus formosus (Van Cleave, 1918) in songbirds, with notes on acanthocephalans as potential parasites of poultry in Virginia. *Va. J. Sci. (n.s.)* 17(3):149-154. Ref. July 1966. 470 V81
- 20858 HAREL, L., and others. Homology between the genome of the avian myeloblastosis virus and cellular genome. (Fr) *Acad. Sci. Compt. Rend. Ser. D* 263(6):616-619. Ref. Aug. 8, 1966. 505 P21
- J. Harel, F. Lacour, and J. Huppert, joint authors.
- 20859 HAY, C. A. The effects of lipolytic enzymes on Newcastle disease virus and Semliki Forest virus. *Diss. Abstr.* Sect. B, 27(4):1031B. Oct. 1966. Z5055,U49D53
- 20860 HEALEY, J. S. Cage layer fatigue. *Agr. Gaz. New S. Wales* 77(8):468-470. Aug. 1966. 23 N472
- 20861 HERNANDEZ, E. Food poisoning. IV. Aflatoxin. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(4):425-428. Oct./Dec. 1965. 389.8 R324
- Toxicity of peanuts infected with *Aspergillus flavus* to ducks and turkeys.
- 20862 HERRICK, R. B., and SHERMAN, M. Subacute toxicity of apholate to the mature chicken. *Toxicol. Appl. Pharmacol.* 9(2):293-299. Sept. 1966. 391.8 T662
- 20863 HOLDEN, A. L. An investigation of the centrifugal pathway to the pigeon retina. *J. Physiol.* 186(2):133P. Oct. 1966. 447.8 J82
- 20864 HOLTE, R. J. A. Paracolon arizona immunization trials in turkeys. *U. S. Livestock Sanit. Ass. Proc.* 69th Annu. Meeting:539-542. 1965, pub. 1966. 49.9 Un3R
- 20865 HOMLER, B. E. The effect of orally administered diethylstilbestrol on growth, yields, body composition and tenderness of chickens. *Diss. Abstr.* Sect. B, 27(2):513B. Aug. 1966. Z5055,U49D53
- 20866 HOPPENSTEDT, K. Vergleichende Untersuchungen zur Diagnostik der Geflugeltuberkulose mit Hilfe der Frischblutschlagagglutination und der Tuberkulinkhappelprobe im Eingangsgebiet des Tiergesundheitsamtes Hannover unter besonderer Berücksichtigung des Versuchsgrades mit Tuberkulose [Comparative investigations on the diagnosis of poultry tuberculosis with the help of fresh blood rapid agglutination and tuberculin-wattle test in the catchment area of the Animal Health Office of Hannover with special emphasis on the degree of infection with tuberculosis]. *Hanover. Tierarztl. Hochschule. Inaug.-Diss.* 25,53 p. 1965. 41.2 H198
- Bibliography, p. 46-52.
- 20867 HUDSON, D. A., and LEVIN, R. J. Changes in the transmural potential difference associated with active hexose absorption during the development of the chick small intestine. *J. Physiol.* 186(2):112P-113P. Oct. 1966. 447.8 J82
- 20868 JAFFE, W. P., and FECHHEIMER, N. S. Cell transport and the bursa of Fabricius. *Nature [London]* 212(5057):92. Oct. 1, 1966. 472 N21
- 20869 JANAWICZ, A. E. A need for pullorum-typhoid eradication. *U. S. Livestock Sanit. Ass. Proc.* 69th Annu. Meeting:311-316. 1965, pub. 1966. 49.9 Un3R
- 20870 JURAND, A. Early changes in limb buds of chick embryos after thalidomide treatment. *J. Embryol. Exp. Morphol.* 16(2):289-300. Ref. Oct. 1966. 442.8 J829
- 20871 JUSKO-GRUNDBOECK, J., and SZEWCZYK, M. The fractionation of serummuoid from hen blood plasma by means of DEAE-cellulose column. *Pulawy. Inst. Weter. Bull.* 9(4):128-132. Ref. Oct./Dec. 1965. 41.9 P962
- 20872 KASCHULA, V. R. Manhandling the baby chick: the effects of husbandry and vaccines on young chicks. *S. Afr. Vet. Med. Ass. J.* 37(2):113-118. (Cont.) Ref. June 1966. 41.8 S68
- Especially diseases.
- 20873 KATTICH, R., and others. Role of Eimeria tenella and Eimeria necatrix in the epizootology of enteritis in poultry caused by *W. chitragi* var. *paludis* G. (Fr) *Acad. Vet. France. Bull.* 39(3):101-107. Mar. 1966. 41.9 R24
- S. Chibaltich, L. J. Kostich, Z. Voukitchvitch, B. Djoukitch, and B. Tomanovitch, joint authors.
- 20874 KICHEV, G., LYHS, L., and WACHTEL, W. Effect of changes in the environmental temperature on blood pressure, pulse rate, respiration and body temperature of poultry. (Bu) *Zhivotnovodni Nauk.* 3(4):597-609. Ref. 1966. 49 265
- German summary.
- 20875 KIM, U. H. Immune response of chickens vaccinated with alumina gel absorbed inactivated Newcastle disease vaccine. (Ko) *Chunchon Nongkwa Taehak. Yong'u Nonmunip. J.* 1:89-94. Ref. July 1965. S19.C5
- English summary.
- 20876 KISCHER, C. W., GURLEY, L. R., and SHEPHERD, G. R. Nuclear histones and early embryogenesis of the chick. *Nature [London]* 212(5059):304-306. Oct. 15, 1966. 472 N21

- 20877 KLOSIOWICZ, W. The effect of cutting off the last wing segments on the results of chicken fattening. (Pol) Poznan. Cent. Lab. Przemysłu Jajczarsko-Drobiarskiego. Biul. Inform. 7(3):109-116. Sept.1965. 47.9 P87 English summary.
- 20878 KOT, A. P. Determination of zoo-coumarin in liver and eggs of poultry. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(7):503-505. July 1966. 51.1 M663D Used as rodenticide; in relation to poultry poisoning.
- 20879 LEVINSON, W. Toxic effect of X-irradiated medium on chick embryo cells. Exp. Cell Res. 43(2):398-412. Ref. Sept.1966. 442.8 Ex7 Studies with Rous sarcoma virus.
- 20880 LUDTKE, H., and SCHOLZEL, H. Morphogenesis of crista in the labyrinth of chickens. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 72(2/3):291-308. Ref. 1966. 410 Z751Z
- 20881 LUND, E. E., AUGUSTINE, P. C., and ELLIS, D. J. Immunizing action of in vitro-attenuated *Histomonas meleagridis* in chickens and turkeys. Exp. Parasitol. 18(3):403-407. June 1966. 436.8 Ex7
- 20882 MANSJOER, M. Fowl pox (avian diptheria) in Indonesia. Commun. Vet. 9(2):35-39. Ref. Dec.1965. 41.8 C73
- 20883 MANWELL, C., and BETZ, T. W. The effect of embryonic partial decapitation on the developmental sequence of some proteins in the chicken. J. Embryol. Exp. Morphol. 16(1):83-89. Ref. Aug.1966. 442.8 J829
- 20884 MANWELL, C., BAKER, C. M. A., and BETZ, T. W. Ontogeny of haemoglobin in the chicken. J. Embryol. Exp. Morphol. 16(1):65-81. Ref. Aug.1966. 442.8 J829
- 20885 MATHUR, R. S., and COMMON, R. H. A note on diurnal variation of six-hour urinary estrone excretion by laying hens. Poultry Sci. 45(5):885-887. Sept.1966. 47.8 Am33P
- 20886 MATHUR, R. S., ANASTASSIADIS, P. A., and COMMON, R. H. Urinary excretion of estrone and of 16- α -epi-estril plus 17- α -epi-estril by the hen. Poultry Sci. 45(5):946-952. Ref. Sept.1966. 47.8 Am33P
- 20887 MATSCHNER, J. T., and DOISY, E. A. Bioassay of vitamin K₁ in chicks. J. Nutr. 90(1):97-100. Sept.1966. 389.8 J82
- 20888 MISHNAYEVSKI, M. S. Effect of certain feed antibiotics on the bactericidal properties of the blood in chicks with respect to the pullorum disease agent. (Uk) Mikrobiol. Zhur. 27(4):58-61. Ref. 1965. 448.3 K54 English summary.
- 20889 MONGIN, P., and LACASSAGNE, L. Blood acid-base balance and the shell formation. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):93-100. Ref. 1966. 442.8 An75 English summary.
- 20890 MONGIN, P., and LACASSAGNE, L. Respiratory rhythm and physiology of the egg shell formation. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):101-111. 1966. 442.8 An75 English summary.
- 20891 NARBAITZ, R., and ADLER, R. Submicroscopic observations on the differentiation of chick gonads. J. Embryol. Exp. Morphol. 16(1):41-47. Ref. Aug.1966. 442.8 J829
- 20892 NESTOROV, N., and others. Study of the effects of insulin and adrenalin on the partial carbohydrate metabolism of decelerated hens. (Bu) Zhivotnovudni Nauk. 2(5):697-705. Ref. 1965. 49 Z65 G. Slavchev, G. Uzunov, and N. Bankov, joint authors.
- 20893 ODENING, K. Life cycles of *Parasitigea robusta* and *Catatropis verrucosa*, duck trematodes in the Berlin region. (Ge) Monatsh. Veterinarmed. 21(17):663-667. Ref. Sept.1, 1966. 41.8 M742 English summary.
- 20894 OLSON, G., FUEDEKIEWICZ, W. J., and MATTERSON, L. D. Isolation of a compound from alfalfa lipids that inhibits tocopherol deposition in chick tissues. J. Nutr. 90(2):199-206. Ref. Oct.1966. 389.8 J82
- 20895 PEGEL'MAN, S. G., and VAKHER, YU. I. Effect of sublethal doses of gamma irradiation on growth and development of chicks. (Rus) Radiobiologiya 5(3):382-389. Ref. 1965. 442.8 R11
- 20896 PETERS, R. L., and others. Distribution of *Mycoplasma gallisepticum* in selected tissues and organs of artificially infected turkeys. Poultry Sci. 45(5):913-923. Ref. Sept.1966. 47.8 Am33P J. E. Faber, W. D. Keenum, and H. M. DeVolt, joint authors.
- 20897 POLLEY, C. R., and CRAIG, J. V. Discrimination between erythrocytes of different inbred lines of chickens by absorbed polyvalent antisera. Poultry Sci. 45(5):953-958. Sept. 1966. 47.8 Am33P
- 20898 POSEVAYA, T. A. On the mechanism of virus-inhibitory effect of anticeellular serum. (Rus) Vop. Virusol. 2:140-144. Ref. Mar./Apr.1966. 446.8 P942 English summary.
- 20899 PRUSAS, E. Comparative therapy in an experimental caecal coccidiosis of chicks with sulfathiazole sodium, sulfadimidine sodium, furazolidone and 6-azauracil. (Ge) Monatsh. Veterinarmed. 21(17):657-662. Ref. Sept.1, 1966. 41.8 M742 English summary.
- 20900 RAMSAY, W. N. M. The incorporation of iron haemoglobin in the domestic fowl. Quart. J. Exp. Physiol. Cog. Med. Sci. 51(3):221-228. Ref. July 1966. 447.8 Q1
- 20901 REED, M. J., and WHITE, H. D. Physio-mechanics of broiler chickens. Amer. Soc. Agr. Eng. Pap. 347, 12 p. 1966. 290.9 Am32P Damage to live poultry.
- 20902 REVZIN, A. M. Effects of endrin on telencephalic function in the pigeon. Toxicol. Appl. Pharmacol. 9(1):75-83. Ref. July 1966. 391.8 T662
- 20903 RIGDON, R. H. Hereditary myopathy in the white Pekin duck. N. Y. Acad. Sci. Ann. 138(1):28-48. Ref. Sept.9, 1966. 500 N484 Discussion, p.59-60.
- 20904 ROBERTS, C. W., CROBER, D. C., and HILL, A. T. The response of 1-week body weight and 1 to 7-week growth rate to selection for 7-week body weight in the chicken. Poultry Sci. 45(5):897-900. Sept.1966. 47.8 Am33P
- 20905 RONDA, E. Activity of interferon produced by Newcastle disease virus against other myxoviruses. (Sp) Microbiol. Espan. 19(1):53-59. Jan./Mar.1966. 448.3 M583 English summary.
- 20906 SABATE ARANDA, J., and others. The present status of avian coccidiosis. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23(265):363-367, 369-373, 375-389. July 1966. 41.9 C67 Clinical aspect, by J. Sabate Aranda; Diagnosis, by A. San Gabriel; Prophylaxis and treatment, by A. L. Porta and N. M. Duran.
- 20907 SANCHEZ FRANCO, A. Anatomic-pathologic diagnosis of the principal diseases of poultry. (Sp) Col. Ofic. Vet. Prov. Barcelona. An. 23(262):179-189. Apr.1966. 41.9 C67
- 20908 SAVOV, D. Pathogenic *Escherichia coli* carriage in fowl. (Bu) Vet. Med. Nauk. 3(5):519-525. 1966. 41.8 V648 English summary.
- 20909 SCHMIDT, U. Investigations on ornithosis of ducks. V. Diagnosis of ornithosis of ducks by detecting the virus in the nasal cavity. (Ge) Arch. Exp. Veterinarmed. 20(3):545-552. June 1966. 41.8 Ex7
- 20910 SCOTT, M. L. Studies on the interrelationship of selenium, vitamin E and sulfur amino acids in a nutritional myopathy of the chick. N. Y. Acad. Sci. Ann. 138(1):82-89. Ref. Sept.9, 1966. 500 N484 Discussion, p.111-112.
- 20911 SENDEL, P., and DHOULLY, D. Differentiation in the corium allantoic graft of interspecific chimaera of the embryonic skin of chicken and duck. (Fr) Acad. Sci. Comp. Rend. Ser. D, 263(6):601-604. Aug.8, 1966. 505 P21

- 20912 SHERMAN, M., and HERRICK, R. B. Acute and subacute toxicity of apholate to the chick and Japanese quail. *Toxicol. Appl. Pharmacol.* 9(2):279-292. Ref. Sept.1966. 391.8 T662
- 20913 SLUZEWSKA, M. Investigations on the antigenic composition of *Salmonella gallinarum* and *Salmonella pullorum*. *Acta Microbiol. Polon.* 15(2):129-143. Ref. 1966. 448.3 Ac82
- 20914 SOLOMAKHA, A. I., and YASNOVA, G. P. Clinical and morphological characteristics of acute poisoning of hens with methylnitrophos. (Rus) *Veterinariya* 6:68-70. June 1966. 41.8 V6426
O,O-dimethyl-O-(3-methyl-4-nitrophenyl)-thiophosphate.
- 20915 SQUIBB, R. L. Diurnal rhythms of tissue components related to protein metabolism in normal and virus-infected chicks. *J. Nutr.* 90(1):71-75. Ref. Sept.1966. 369.8 J82
- 20916 SREEVALSAN, T., and LOCKART, R. Z. Interference not mediated by interferon. *Nature [London]* 212(5061):540. Oct.29,1966, 472 N21
Resulted from the infection of chick embryo cells by western equine encephalitis virus.
- 20917 STOENESCU, V., and others. Study on Newcastle disease immunity. I. Experiments on immunity in 1 to 60 days old chickens vaccinated with B₁ virus vaccine. (Rum) *Rum. Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrariile* 2(1):169-183. Ref. 1963, pub. 1965. 41.9 R863
I. Sbacl, E. Creanga, A. Elefterescu, and M. Balagi, joint authors.
English summary.
- 20918 STOYANOV, P., and ILIEV, B. On the effect of certain antibiotics on carotene, vitamin A and E, total protein and amino acid contents in chicks. (Bu) *Vet. Med. Nauk.* 3(5):507-512. Ref. 1966. 41.8 V6468
English summary.
On growth and mortality.
- 20919 SURDAN, C., CIOLCA, A., and PAPADOPOL, M. The effect of coccidiosis on the histologic changes caused by the Newcastle disease vaccine. (Rum) *Rum. Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrariile* 2(1):197-208. 1965, pub. 1965. 41.9 R863
English summary.
- 20920 SWARRICK, O. Leg weakness in turkeys associated with deformity of a digital bone. *Vet. Rec.* 79(12):330-331. Sept.17,1966. 41.8 V641
- 20921 SZPAKOWSKI, J. A case of poisoning of slaughter chick with a mixture of DK-A "starter" similar to aflatoxin poisoning. (Pol) *Med. Weter.* 22(9):552-553. Sept.1966. 41.8 M463
- 20922 TANAKA, K., FUJISAWA, Y., and YOSHIOKA, S. Luteinizing hormone content in the pituitary of laying and nonlaying hens. *Poultry Sci.* 45(5):970-973. Ref. Sept.1966. 47.8 Am33P
- 20923 TAYLOR, L. W., and KREUTZIGER, G. O. The gaseous environment of the chick embryo in relation to its development and hatchability. 3. Effect of carbon dioxide and oxygen levels during the period of the ninth through the twelfth days of incubation. *Poultry Sci.* 45(5):867-884. Ref. Sept.1966. 47.8 Am33P
- 20924 THOMMES, R. C., and ACLINSKAS, A. S. Endocrine control of yolk sac membrane glycogen in the developing chick embryo. II. Effects of hypophysectomy. *Gen. Comp. Endocrinol.* 7 (1):179-185. Ref. Aug.1966. 444.8 G28
- 20925 TSVETANOV, I., and DONCHEV, R. Observations on some morphological changes in ducks during the laying period in view of alleviating the breeding selection. (Bu) *Zhivotnovudni Nauk.* 3(4):619-625. 1966. 49 Z65
German summary.
- 20926 AL-UBAIDI, Y. Y. The utilization of phosphorus from different sources as influenced by age, sex and strain in young turkeys. *Diss. Abstr.*, Sect. B, 27(3):654B. Sept.1966. Z5055,U49D53
- 20927 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF POULTRY. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:317-325. 1965, pub.1966. 49.9 Un3R
H. E. Goldstein, chairman.
- 20928 VARDAMAN, T. H. The resistance and carrier status of chickens exposed to *Mycoplasma gallisepticum* under field conditions. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:303-310. Ref. 1965, pub.1966. 49.9 Un3R
- 20929 VELLING, G. A new coccidiosis preparation-Coyden 25. (Da) *Danske Dyrslaegerfor. Medlemsbl.* 49(21):895-896. Nov.1,1966. 41.8 D23
A 3,5-dichloro-2,6-dimethyl-4-pyridinol compound for poultry.
- 20930 VERGANI S., F., and TORO BENITEZ, M. R. Observations on coccidia in poultry in Venezuela. (Sp) *Rev. Vet. Venezuela* 20(117):211-216. Apr.30,1966. 41.8 R3226
- 20931 VLADOIANU, I. R., and DIMACHE, G. Serum protection of chicken embryos against infection with *Salmonella* organisms of the typhoid-paratyphoid group. Attempts to improve the method and possibilities of application to the study of immunity. (Fr) *Arch. Roumaines Pathol. Exp. Microbiol.* 25(2):513-522. Ref. June 1966. 448.3 Ar22
English summary.
- 20932 VOETEN, A. C. The prevention of infectious sinusitis in turkeys by means of treatment of hatching eggs according to the direct pressure difference method in a tylosin solution. (Du) *Tijdschr. Diergeneesk.* 91(20):1282-1287. Oct.15,1966. 41.8 T431
English summary.
- 20933 WELLS, G. H., and DAWSON, L. E. Tenderness and juiciness of freeze-dried chicken meat as related to maturity of birds. *Poultry Sci.* 45(5):1004-1008. Ref. Sept.1966. 44.8 Am33P
- 20934 WENIGER, J. P. Comparative study of the action of hormones of embryonic testes of chick and mice in culture in vitro. (Fr) *Arch. Anat. Microscop. Morphol. Exp.* 54(4):909-919. Ref. Oct./Dec.1965. 444.8 Ar21
- 20935 WILLEMART, J. P., and SCHRICKE, E. Chronic respiratory disease; prevention and treatment with erythromycin glutamate, Kiro-mycin. (Fr) *Soc. Vet. Prat. France.* *Bull. Mens.* 50(3):174-180. Mar.1966. 41.9 S012
- 20936 WILLEMART, J. P. Vaccinations for commercial poultry in the countries of the European Economic Community; work of the group of veterinarians for poultry studies in the Common Market. (Fr) *Soc. Vet. Prat. France.* *Bull. Mens.* 49(10):352-364. Dec.1965. 41.9 S012
Includes discussion.
- 20937 WILSON, J. A., and GLICK, B. Temperature control of testosterone propionate solutions used for reducing embryonic development of the bursa of Fabricius. *Poultry Sci.* 45(5):892-896. Ref. Sept.1966. 47.8 Am33P
- 20938 WILSON, J. G., and TEEKELL, R. A. Relationships between blood and liver storage of vitamin A. *Poultry Sci.* 45(5):980-985. Ref. Sept.1966. 47.8 Am33P
- 20939 WOS, Z. The application of hydrolyzed poultry feathers to selenite broth for improving *Salmonella pullorum* growth. (Pol) *Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego.* *Biul. Inform.* 7(3):133-140. Sept.1965. 47.9 P87
English summary.
- 20940 WRIGHT, A., PHILLIPS, J. G., and HUANG, D. P. The effect of adenypharysectomy on the extrarenal and renal excretion of the saline-loaded duck (*Anas platyrhynchos*). *J. Endocrinol.* 36(3):249-256. Ref. Nov.1966. 448.8 J8293
- 20941 WYNOHRADNYK, V., PAPADOPOL, M., and CARSTET, I. Study of the immunization value of Newcastle disease virus, Sota strain, grown on pig tissue culture. (Rum) *Rum. Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrariile* 2(1):185-195. Ref. 1963, pub.1965. 41.9 R863
English summary.
- 20942 YAMAMOTO, R., and CLARK, G. T. *Streptobacillus moniliformis* infection in turkeys. *Vet. Rec.* 79(4):95-100. Ref. July 23,1966. 41.8 V641
Causes arthritis.

- 20943 ZAHOR, D. The recovery of hens' serum proteins separated by starch gel electrophoresis. Pulawy. Inst. Weter. Bull. 9(4):133-136. Oct./Dec.1965. 41.9 P962

Miscellaneous

- 20944 ANDREW, R. J. Precocious adult behaviour in the young chick. Anim. Behav. 14(4):485-500. Ref. Oct.1966. 410 B77
- 20945 ANDREW, R. J. The relation between the following response and precocious adult behavior in the chick. Anim. Behav. 14(4):501-505. Oct.1966. 410 B77

- 20946 BELL, D. Cage density studies over a two year period. Feedstuffs 38(45):25-26. Nov.12, 1966. 286.81 F322

- BRUNOLI, A. Scelta, acquisto e primi giorni del pulcino [Selection, acquiring and the first days of the chick]. Ed. 3. Bologna, Calderini, 1965. 31 p. (Universale Edagricole, No. 7) SF487.B7

- 20949 CANDLAND, D. K., and MILNE, D. Species differences in approach-behaviour as a function of developmental environment. Anim. Behav. 14(4):539-545. Oct.1966. 410 B77

- 20949 DRURY, L. N. Air velocity and broiler growth in a diurnally cycled hot environment. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):329-332. Ref. 1966. 290.9 Am32T

- 20950 FOR CHICKENS light means more eggs. II. World Farming 9(10):42-43, 54, 56, 60. Oct. 1966. 30.08 W89

- 20951 GOSSETTE, R. L., GOSSETTE, M. F., and RIDDELL, W. Comparisons of successive discrimination reversal performances among closely and remotely related avian species. Anim. Behav. 14(4):560-564. Ref. Oct.1966. 410 B77

- 20952 GUTTON, P. Early experience and sexual object-choice in the Brown Leghorn. Anim. Behav. 14(4):534-538. Ref. Oct.1966. 410 B77

- 20953 HEER, G. Die Geflügelhaltung in Franken unter besonderer Berücksichtigung ihrer Entlichen Betrieben [Poultry rearing in Franconia with special emphasis on its development and enlargement in peasant farms]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 11,135 p. Ref. 1965. 105.8 B644

- 20954 HOLDAS, S. Relation between egg production and egg quality to housing and feeding. (Hu) Mezogazdasagi Vilagirodalom 8(4):325-329. Ref. 1966. 19 M577

- 20955 KETELAARS, E. H. Poultry husbandry in Belgium. (Du) Veevecht Zuivelver. 9(5):233-240. May 1966. 49 V51

- 20956 LAHELLEC, C. Contribution à l'étude des variations qualitatives de l'oeuf de poule au cours d'une saison de ponte [Contribution to the study of egg quality variations during the laying season]. Alfort. Ecole Nat. Vet. These 1,72 p. Ref. 1965, i.e. 1966. 41.2 AL23

- 20957 MADSEN, H. On feather picking and cannibalism in pheasant and partridge chicks, particularly in relation to the amino acid, arginine. Acta Vet. Scand. 7(5):272-287. Ref. 1966. 41.8 Ac87

- 20958 MANNEL, K. Incubation time is here. 1. Farming S. Afr. 42(5):9,11. Aug.1966. 24 S6842

- 20959 MANNEL, K. Incubation time is here. 2. Farming S. Afr. 42(6):57,59. Sept.1966. 24 S6842

- 20960 NEMETI, MRS. L. Some economic problems in developing home raising of poultry. (Hu) Gazdalkodas 10(5):9-16. Ref. Oct.1966. 281.8 G25

English summary.

- 20961 NILSSON, L. Rationell agproduktion utnyttjar kontrollen [Rational egg production utilizes control]. Forsok Forsk. 8,7 p. 1966. 11 F77
- 20962 OTRYGAN'EV, C. K. Rozhdenie ptitsy [Evolution of birds]. Moskva, Kolos, 1966. 110 p. SF482.O8

- Includes poultry.
- 20963 POULTRY SCIENCE ASSOCIATION. Abstracts of papers presented at the 55th annual meeting. Poultry Sci. 45(5):1065-1139. Sept.1966. 47.8 Am33P

- 20964 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Ninth random sample laying test, 1965-66. West. Australia. Dep. Agr. J. (ser.4) 7(7):332. July 1966. 23 W52J

RABBITS

Breeds and Breeding

- 20965 GRUNDER, A. A. Inheritance of a heme-binding protein in rabbits. Genetics 54(5):1085-1093. Ref. Nov.1966. 442.8 G28

- 20966 GRUNDER, A. A. A study of the inheritance of red cell esterases, blood groups and a serum protein in rabbits. Diss. Abstr., Sect. B, 27 (3):695B. Sept.1966. Z5055.U49D53

Feeds and Feeding

- 20967 PROTO, V. Digestibility in rabbits and sheep. V. Forage of barley. (It) Prod. Anim. 4(4): 305-308. Dec.1965. 49 P945

Veterinary Medicine

- 20968 CINTRA, M. L. Coccidiosis of rabbits. (Por) Biologico 31(2):38-41. Feb.1965. 442.8 B529
- 20969 GALLOWAY, J. H. The effects of steroid hormones on the growth rate of young rabbits. Vet. Rec. 79(5):126-128. July 30, 1966. 41.8 V641

- Diethylstilbestrol, progesterone and testosterone.

- 20970 GHEORGHIU, I., and others. The effect of biostimulators on the resistance to the salmonellosis of rabbits and guinea pigs. (Rum) Rum. Inst. Cercet. Vet. Bioprec. "Pasteur." Lucrările 2(1):277-285. Ref. 1963, pub.1965. 41.9 R663

- M. Stanca, O. Eustafievici, I. Nitoiu, and F. Roman, joint authors.

- 20971 GLOWACKI, E. R. Studies on rabbit reticulocyte ribosomes and polyribosomes and their relation to hemoglobin synthesis. Diss. Abstr., Sect. B, 27(3):694B. Sept.1966. Z5055.U49D53

- 20972 GOODING, C. D. Myxomatosis, its decline as a killer. West. Australia. Dep. Agr. J. (ser.4) 7(5):200-201, 203-204. May 1966. 23 W52J

- For rabbit control.
- 20973 GUBA, F., HARSANYI, MRS. GY., and VAJDA, MRS. T. Investigations on the filamentary system of rabbit's M. psaos myofibrils. (Hu) Biol. Kozlemenyek 13(2):75-81. Ref. 1965. 442.8 B5237

- English summary, p.93.
- 20974 HEBB, C. O., and LINZELL, J. L. A histochemical study of the innervation of the mammary glands. J. Physiol. 186(2):82P-83P. Oct.1966. 447.8 J82

- In rabbit.
- 20975 KENNELLY, J. J., and FOOTE, R. H. Oocyto-genesis in rabbits; the role of neogenesis in the formation of the definitive ova and the stability of oocyte DNA measured with tritiated thymidine. Amer. J. Anat. 118(2):573-585. Mar.1966. 477.8 Am32

- 20976 KO, K. D., KIM, U. H., and HAN, M. F. Studies on the preventive effect of sulfamethazine on liver coccidiosis. (Ko) Chunchon Nongkwa Taehak. Yon'gu Nonmunjip. J. 1:85-88. Ref. July 1965. S19.C5

English summary.

Rabbits.

- 20977 KO, K. D. A study on prevention of coccidiosis by using separable rabbit pen floors. (Ko) Chunchon Nongwka Taehak. Yongu Nonmunjip. J. 1:81-84. Ref. July 1965. \$19.C5
English summary.
- 20978 LE PENNEC, J., VERMEIL, C., and LE PENNEC, J. J. About two new cases of toxoplasmosis of rabbits in Vendee. (Fr) Acad. Vet. France. Bull. 39(3):109-114. Ref. Mar. 1966. 41.9 R24
Includes discussion.
- 20979 LURIE, M. B., and DANNENBERG, A. M. Macrophage function in infectious disease with inbred rabbits. Bacteriol. Rev. 29(4):466-476. Ref. Dec. 1965. 448.3 B13
Studies concerning tuberculosis.
- 20980 MANDY, W. J., and KORMEIER, L. C. Homoreactant: a naturally occurring autoantibody in rabbits. Science 154(3749):651-652. Ref. Nov. 4, 1966. 470 Sc12
- 20981 MCGAUGHEY, R. W., and DANIEL, J. C. Effect of oestradiol-17 beta on fertilized rabbit eggs in vitro. J. Reprod. Fert. 11(3):325-331. Ref. June 1966. 442.8 J8222
- 20982 POPA, M., MIHAITA, S., and DOHOTARU, V. Tests of the adaptation and culture of the foot-and-mouth disease virus in suckling rabbits. I. Preliminary note. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):31-38. Ref. 1963, pub. 1965. 41.9 R863
English summary.
- 20983 PORTER, D. G., and SCHOFIELD, B. M. Intra-uterine pressure changes during pregnancy and parturition in rabbits. J. Endocrinol. 36(3):291-299. Ref. Nov. 1966. 448.8 J8293
- 20984 SCALZI, H. A. The cytoarchitecture of gustatory receptors from the rabbit under normal and experimental condition. Diss. Abstr., Sect. B, 27(3):1001B. Sept. 1966. Z5055,U49D53
- 20985 SIMKOVA, A. Tahyna virus neutralizing antibodies in naturally infected rabbits and hares. (Cz) Cesk. Epidemiol. Mikrobiol. Imunol. 15(5):304-310. Ref. 1966. 448.8 C332
English summary.
- 20986 SOVA, C. R. Lactate dehydrogenase activity: effect in vitro of some pesticidal chemicals. Science 154(3757):1661-1662. Ref. Dec. 30, 1966. 470 Sc12
Effects of chlorinated hydrocarbon insecticides upon rabbit muscle lactate dehydrogenase.
- 20987 STEWART, D. S., and ESPINASSE, P. G. Lens regeneration in the rabbit. Nature [London] 212(5058):214-215. Oct. 8, 1966. 472 N21
- 20988 SWIECH, S. Observations on the combatting of myxomatosis culicorum in the town of Wrocław. (Pol) Med. Weter. 22(6):340-341. June 1966. 41.8 M463
- 20989 VETHAMANY, V. G. An electron microscopic study of the rabbit thymus with special reference to the activity of the blast cells of the blood. Diss. Abstr., Sect. B, 27(3):676B. Sept. 1966. Z5055,U49D53
- 20990 WEINSTOCK, I. M. Comparative biochemistry of myopathies. N. Y. Acad. Sci. Ann. 138(1):199-212. Ref. Sept. 9, 1966. 500 N484
Rabbits and chickens.
Discussion. p. 229-231.
- 20991 ZIMMERMAN, W. Protein exchange between mother and embryo of rabbits. (Ge) Naturwissenschaften 53(19):507. Oct. 1, 1966. 474 N213
- Miscellaneous
- 20992 CASADY, R. B., SAWIN, P. B., and VAN DAM, J. Commercial rabbit raising. U. S. D. A. Agr. Handbook 309, 69 p. Ref. 1966. 1 Ag84Ah
- SHEEP AND GOATS
- Breeds and Breeding
- 20993 BALMONT, V. A., and TOLUBAEV, V. D. Creating new lines of Kazakh Finewool sheep. (Rus) Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk 4:83-89. July/Aug. 1966. 442.8 AL6
- 20994 BENNETT, N. W. Those "small" tableland sheep. Agr. Gaz. New S. Wales 77(6):355-356. June 1966. 23 N472
Merino breed.
- 20995 BRUNSKILL, A. Teaser rams don't help spring joining. Agr. Gaz. New S. Wales 77(8):487-488. Aug. 1966. 23 N472
- 20996 CHAKUROV, A. Studies on the fattening capacity and meat production traits of newly-bred semi-fine-wooled sheep reared for northwest Bulgaria. (Bu) Zhivotnovudni Nauk. 3(3):369-379. Ref. 1966. 49 Z65
German summary.
- 20997 CHORLTON, S. Dwarfism in sheep. Wool Technol. Sheep Breeding 13(1):83-84. July 1966. 304.8 W888
- 20998 CUCU, N. A practical method of testing rams under field conditions. (Rum) Rev. Zootech. Med. Vet. 16(10):72-77. Oct. 1966. 49 P943
- 20999 CUNNINGHAM, C. J., WELCH, J. A., and HEISHMAN, J. O. Breed as a factor in the production of ewes retained for flock replacement. W. Va. Agr. Exp. Sta. Circ. 533, 12 p. Sept. 1966. 100 W52
- 21000 DAVIES, H. L., GREENWOOD, E. A. N., and WATSON, E. R. The effect of nitrogenous fertilizer on wool production and liveweight of Merino wether sheep in south western Australia. Australian Soc. Anim. Prod. Proc. 6:222-228. 1966. 49.9 Au72
Pasture feeding.
- 21001 DLJKSTRA, R. G. Is it desirable to maintain a Friesian milk sheep population? (Du) Vee- teelt Zuivelver. 9(5):230-232. May 1966. 49 V51
- 21002 DUN, R. B., ALEXANDER, R., and SMITH, M. D. An interaction between strain of Merino ewe and season of joining. Australian Soc. Anim. Prod. Proc. 6:66-68. 1966. 49.9 Au72
South Australian Merino and Peppin.
- 21003 EVERITT, G. C. Maternal food consumption and foetal growth in Merino sheep. Australian Soc. Anim. Prod. Proc. 6:91-101. Ref. 1966. 49.9 Au72
- 21004 FOWLER, D. G. Sweating of the scrotal skin of Merino rams selected for high and low levels of skin fold. Australian Soc. Anim. Prod. Proc. 6:123-126. 1966. 49.9 Au72
- 21005 GHARAYBEH, H. R., and others. Prediction of body composition in live animals. Australian Soc. Anim. Prod. Proc. 6:284-290. 1966. 49.9 Au72
G. W. Arnold, W. R. McManus, and M. L. Dudzinski, joint authors.
Review of the literature.
Australian Merino and Border Leicester x Merino breeds of sheep.
- 21006 HAMILTON, B. A., PATTIE, W. A., and GODLEE, A. C. A comparison of Dorset Horn and Cheviot sires of both good and poor conformation, for prime lamb production. Australian Soc. Anim. Prod. Proc. 6:206-209. 1966. 49.9 Au72
- 21007 HANSSON, A. Views on sheep research. (Sw) Farskotsel 46(3):99-100. Apr. 1966. 45.9 Sv2
Chiefly breeding.
- 21008 HOSSEINION, M., and JORDAN, W. J. Karakul or Persian lamb? Brit. Vet. J. 122(7):308-310. July 1966. 41.8 V643
The breed and its fur.
- 21009 HOWE, R. R. The principles and practice of sheep classing. 2. Tasmanian J. Agr. 37(3):199-205. Aug. 1966. 23 T182T
Breeding, conformation, and wool production.
- 21010 JEFFERIES, B. C. Further observations on face cover score in Corriedales, Merinos and their reciprocal crossbreeds. Australian Soc. Anim. Prod. Proc. 6:80-90. 1966. 49.9 Au72
- 21011 JEFFERIES, B. C. A new aid to sheep classing. Tasmanian J. Agr. 37(3):230-232. Aug. 1966. 23 T182T
Selection for wool production in Australia.
- 21012 JELOWICKI, S., and KNOWTHE, A. The influence of age and factors connected with reproduction upon the grease of fleece weight of Polish Merino ewes. (Pol) Roczn. Nauk Roln. 87-B-1:107-115. Ref. 1965. 20.5 R59
English summary.

- 21013 JELOWICKI, S., and POREBSKA, W. Phenotype marks to the wool productivity of the Polish Merino. (Pol) Rocz. Nauk Roln. 86-B-4: 409-416. Ref. 1966. 20.5 R59 English summary.
- 21014 JUMA, K. H., and FARAJ, M. Factors affecting birth weights of Awassi lambs. J. Agr. Sci. [London] 87(2):169-172. Ref. Oct. 1966. 10 J822
- 21015 KUMANOV, S., and LAZAROV, V. Studies on early mating of sheep. (Bu) Zhivotnovudni Nauk. 3(4):491-505. Ref. 1966. 49 Z65 German summary.
Includes effects on wool and milk production.
- 21016 LAPWOOD, K. R., and MARTIN, I. C. A. The use of monosaccharides, disaccharides, and trisaccharides in synthetic diluents for the storage of ram spermatozoa at 37°C and 5°C. Australian J. Biol. Sci. 19(4):655-671. Ref. Aug. 1966. 442.8 Au72
- 21017 LEES, J. L. Variations in the time of onset of the breeding season in Clun ewes. J. Agr. Sci. [London] 87(2):173-179. Ref. Oct. 1966. 10 J822
- 21018 LINCOLN LONGWOOL SHEEP BREEDERS' ASSOCIATION. Flock book of Lincoln Longwool sheep, Volumes 74 & 75. Lincoln, 1966. 35 p. 45.9 L63
- 21019 LINDSAY, D. R. Mating behaviour of ewes and its effect on mating efficiency. Anim. Behav. 14(4):419-424. Ref. Oct. 1966. 410 B77
- 21020 LOUW, D. F. J. Artificial insemination not justified in closed stud. (Af) Wolboer 19(5): 40-41, 43. Dec. 1965. 45.8 W83 South African Merino breeding.
- 21021 LOUW, D. F. J. Selective breeding is profitable. (Af) Wolboer 19(7):28-30. Feb. 1966. 45.8 W83 Sheep.
- 21022 MARTIN, I. C. A. Diluents for the preservation of ram spermatozoa. I. Diluents used at 37°C and 5°C containing casein. Australian J. Biol. Sci. 19(4):645-653. Ref. Aug. 1966. 442.8 Au72
- 21023 MCGUIRK, B. J., and SCARLETT, E. C. A comparison of the productivity of Corriedale and Polwarth sheep. Australian Soc. Anim. Prod. Proc. 6:210-212. 1966. 49.9 Au72 In wool.
- 21024 MCLAUGHLIN, J. W. The effect of timing of birth and age at weaning upon the adult production of Corriedale sheep. Australian Soc. Anim. Prod. Proc. 6:246-251. 1966. 49.9 Au72
- 21025 MINVE, P., and KARADZHOV, K. Experiment for determining economic effects of intensive feeding of Stara Zagora Fine-wooled sheep. (Bu) Zhivotnovudni Nauk. 3(1):59-67. Ref. 1966. 49 Z65 German summary.
Meat production.
- 21026 MULLANEY, P. D. The influence of time of lambing on the performance of fine wool Merino ewes. Australian Soc. Anim. Prod. Proc. 6:198-205. Ref. 1966. 49.9 Au72
- 21027 NEGRUTIU, E., and others. Observations on some indices related to the heredity of wool properties in the process of hybridization. (Rum) Rev. Zootech. Med. Vet. 16(10):19-22. Oct. 1966. 49 P943
A. Popa, D. Iozon, E. Kolosy, N. Farcas, and R. Zorzolan, joint authors.
- 21028 NIKOLAJCZUK, M. Haemoglobin types in the Saanen race of goats and in hybrids. (Pol) Wrocław, Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 17:67-69. 1964. 41.9 B753 English summary.
- 21029 OSTROWSKI, J. E. B. Environmental factors which influence the fertility of the ewe. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):213-216. May/June 1966. 41.8 B86
- 21030 PAK, H. K. Studies on the statistical genetics of wool productivity in Corriedale sheep. I. Phenotypical value of wool production characters and phenotypical correlation. (Ko) Chunchon Nongkwa Taehak. Yon'gu Nonmunjip. J. 1:51-57. Ref. July 1965. S19.C5 English summary.
- 21031 PRETORIUS, P. S., HERBST, S. N., and MARINCOWITZ, G. Make full use of your rams. Farming S. Afr. 42(6):19, 21. Sept. 1966. 24 So842
- 21032 ROBERTS, E. M. The use of intra vaginal sponges impregnated with 6-methyl-17-acetoxypregesterone (MAP) to synchronize ovarian activity in cyclic Merino ewes. Australian Soc. Anim. Prod. Proc. 6:32-37. 1966. 49.9 Au72
- 21033 RYDER, M. I. Coat structure in Soay sheep. Nature [London] 211(5053):1092-1093. Ref. Sept. 3, 1966. 472 N21
- 21034 SHEITANOVA, D. Inheritance coefficient (h²) in certain of the basic properties of the wool in a flock of the Mutton-Merino breed in the G. Dimitrov State Farm, Pleven. (Bu) Zhivotnovudni Nauk. 3(4):471-479. Ref. 1966. 49 Z65 English summary.
- 21035 SJOBERG, E. Our sheep breeds. (Sw) Farskott 46(4):172-176. May 1966. 45.9 Sv2
- 21036 SMITH, I. D. Oestrous activity in Merino ewes in western Queensland. Australian Soc. Anim. Prod. Proc. 6:69-79. Ref. 1966. 49.9 Au72
- 21037 SOLOMONOV, KH. Research on the sperm production of young rams under various nutritional diet. I. (Bu) Zhivotnovudni Nauk. 2(6): 855-865. Ref. 1965. 49 Z65 French summary.
- 21038 SOUTHCOOT, W. H., and CORBETT, J. L. Age of weaning and parasitism in Merino lambs. Australian Soc. Anim. Prod. Proc. 6: 194-197. Ref. 1966. 49.9 Au72
- 21039 STAKAN, G. A., and SOSKIN, A. A. Nasleduemost' khozyaistvenno poleznykh priznakov u tonkorunnykh ovets [Heritability of economical useful indices in Fine-wooled sheep]. Novosibirsk, Redaktsionno-Izdatel'skii Otdel Sibirskogo Otd-niya AN SSSR, 1965. 159 p. Ref. SF375.5.U487
- 21040 STEFANESCU, C., and CIOLCA, N. Problem of sheep breeding. (Rum) Rev. Zootech. Med. Vet. 16(9):32-36. Sept. 1966. 49 P943
- 21041 TURNER, H. N. Selection for increased reproduction rate. Wool Technol. Sheep Breeding 13(1):69-79. Ref. July 1966. 304.8 W888
- 21042 WATSON, R. H. Reproductive performance of sheep in Australia. Australian Soc. Anim. Prod. Proc. 6:1-9. Ref. 1966. 49.9 Au72
- 21043 WEBSTER, A. J. F., and BLAXTER, K. L. The thermal regulation of 2 breeds of sheep exposed to air temperatures below freezing point. Res. Vet. Sci. 7(4):466-479. Ref. Oct. 1966. 41.8 R312 Cheviot and Suffolk.

Feeds and Feeding

- 21044 ARNOLD, G. W. Age, pasture conditions and the performance of grazing sheep. Australian Soc. Anim. Prod. Proc. 6:213-221. Ref. 1966. 49.9 Au72
Gain of weight.
- 21045 BEAMES, R. M., and MORRIS, J. G. Effect of salt/urea blocks on body-weight, body composition and wool production of sheep fed low-protein native grass hay. Queensland J. Agr. Anim. Sci. 22(4):369-379. Ref. Dec. 1965. 23 Q37
- 21046 BINDON, B. M., and LAMOND, D. R. Examination of tropical legumes for deleterious effects on animal reproduction. Australian Soc. Anim. Prod. Proc. 6:109-116. 1966. 49.9 Au72
Includes experiment with sheep.
- 21047 BISHOP, A. H., and KENTISH, T. D. The effects on liveweight and wool production of autumn deferment with hay feeding. Australian Soc. Anim. Prod. Proc. 6:164-168. 1966. 49.9 Au72
Of sheep.
- 21048 BISHOP, A. H., BIRRELL, H. A., and TEW, A. The effect of stocking rate during the spring on wool production and liveweight gain. Australian Soc. Anim. Prod. Proc. 6:161-163. 1966. 49.9 Au72
Sheep.

- 21049 BRUGGEMANN, J., GIESECKE, D., and LAW-LOR, M. J. On the production of volatile fatty acids in the rumen of sheep with administration of a semi-purified diet. (Ge) Z. Tierphysiol. Tierernähr. Futtermittelkunde 21(3): 137-143. Ref. May 1966. 389.78 Z3 English summary.
- 21050 BUCHANAN, K. M., and SHONE, D. K. An evaluation of some winter feed supplements for sour veld areas. S. Afr. Vet. Med. Ass. J. 37(2):159-163. Ref. June 1966. 41.8 So8 Nutritive value of hay and supplements for Merino sheep.
- 21051 BUTTERWORTH, M. H. The utilisation of phosphorus in some Venezuelan forages. Turrialba 16(3):253-256. Ref. July/Sept. 1966. 8 T86 By sheep.
- 21052 CAMERON, C. W. The effect on growth and depot fat of corn oil in the diet of lambs. Diss. Abstr., Sect. B, 27(4):1006B-1007B. Oct. 1966. Z5055.U49D53
- 21053 CAMPBELL, M. H., and IRVINE, J. H. Block supplementation of sheep grazing a serrated tussock (Nassella trichotoma)-sown pasture association. Agr. Gaz. New S. Wales 77(9):564-571. Sept. 1966. 23 N472
- 21054 CHOMYSZYN, M., and KOWALCZYK, J. Effect of feeding ammoniated sugar beet pulp on the nitrogen metabolism in sheep. (Pol) Roczn. Nauk Roln. 89-B-1:1-13. Ref. 1966. 20.5 R59 English summary.
- 21055 CHOMYSZYN, M., KUZDOWICZ, M., and ZIOLECKA, A. Effect of lysine supplementation on gain and feed efficiency in lambs fed high levels of ammoniated sugar beet pulp. (Pol) Roczn. Nauk Roln. 89-B-1:37-44. 1966. 20.5 R59 English summary.
- 21056 CLARK, R. D., and WILSON, D. B. Sheep production on irrigated pasture as influenced by forage mixture and fertilization. Can. J. Anim. Sci. 48(2):97-106. Aug. 1966. 41.8 C163 Includes yields of forage mixtures.
- 21057 COCIMANO, M. R., and LENG, R. A. Urea metabolism in sheep. Australian Soc. Anim. Prod. Proc. 6:378-383. 1966. 49.9 Au72
- 21059 CROFTS, F. C. More winter feed and drought reserves from high density, nitrogen fertilized oats. Agr. Gaz. New S. Wales 77(5):258-262. May 1966. 23 N472 For sheep feeding.
- 21059 CRONJE, P. J., and COETZEE, W. H. K. The value of melamine as a source of non-protein nitrogen for sheep. S. Afr. J. Agr. Sci. 9(1): 101-106. Ref. Mar. 1966. 24 Su3
- 21060 DARLING, G. G. Protein supplements not needed for grain fed weaners. Agr. Gaz. New S. Wales 77(5):293. May 1966. 23 N472 Sheep.
- 21061 DONEFER, E. Collaborative in vivo studies on alfalfa hay. J. Anim. Sci. 25(4):1227-1231. Nov. 1966. 49 J82 Fed to sheep and cattle.
- 21062 EGAN, A. R. Nutritional status and intake regulation in sheep. V. Effects of intraruminal infusions of volatile fatty acids upon voluntary intake of roughage by sheep. Australian J. Agr. Res. 17(5):741-755. Ref. Sept. 1966. 23 Au783
- 21063 ELLIOTT, N. M. The effect of paddock size on animal production. Australian Soc. Anim. Prod. Proc. 6:177-178. 1966. 49.9 Au72 Sheep.
- 21064 FERGUSON, B. D. Water, wethers, and wool. Agr. Gaz. New S. Wales 77(9):529-531. Sept. 1966. 23 N472 Pasture irrigation.
- 21065 GOODRICH, R. D., and TILLMAN, A. D. Copper, sulfate and molybdenum interrelationships in sheep. J. Nutr. 90(1):76-80. Ref. Sept. 1966. 389.8 J82 Nutrition.
- 21066 GRAHAM, N. M. Predicting the maintenance requirements of sheep. Australian Soc. Anim. Prod. Proc. 6:364-369. Ref. 1966. 49.9 Au72 Nutrition; includes metabolism.
- 21067 GRIMES, R. C., and REARDON, T. F. The relationship between faecal nitrogen and herbage digestibility under grazing conditions. Australian Soc. Anim. Prod. Proc. 6:330-333. 1966. 49.9 Au72 Sheep.
- 21069 HEMSLEY, J. A. Dietary cellulose content and urea utilization. Australian Soc. Anim. Prod. Proc. 6:384-388. Ref. 1966. 49.9 Au72 In Australian Merino sheep.
- 21069 HOFLUND, S. The sheep in the service of nature protection. (Sw) Farskotsel 46(4):147-152. May 1966. 45.9 Sv2 Sheep on the range.
- 21070 HOFMEYER, H. S. Teach sheep to eat silage. Farming S. Afr. 42(5):17, 19. Aug. 1966. 24 So842 Winter feeding.
- 21071 HOWLAND, B. E. Effect of variation in nutrient energy intake on ovarian activity in ewes. Diss. Abstr., Sect. B, 27(4):1270B-1271B. Oct. 1966. Z5055.U49D53
- 21072 JAMES, L. F., and BINNS, W. Effects of feeding wild onions (Allium validum) to bred ewes. Amer. Vet. Med. Ass. J. 149(5):512-514. Sept. 1, 1966. 41.8 Am3
- 21073 JONSSON, G. Effects of selenium and tocopherol supply on lamb growth. (Sw) Farskotsel 46(3):102-104. Apr. 1966. 45.9 Sv2
- 21074 KANEV, S., PEKHLIVANOV, M., and IOV-CHEV, N. Comparative investigations on the composition, digestibility and nutritive value of grains of some feed legumes in sheep and swine. (Bu) Zhivotnovudni Nauk. 3(2):207-214. 1966. 49 Z65 German summary.
- 21075 KROMANN, R. P., RAY, E. E., and NELSON, A. B. Influence of frequency and source of protein supplementation on energy metabolism in feeder lambs. J. Anim. Sci. 25(4):1040-1044. Ref. Nov. 1966. 49 J82
- 21076 KUMANOV, S., and MINEV, P. Experiments with all-year around silage feeding of ewes. I. (Bu) Zhivotnovudni Nauk. 3(3):331-338. Ref. 1966. 49 Z65 German summary. Effect on wool and milk production.
- 21077 LLOYD, A. G. Economic aspects of stocking and feeding policies in the sheep industry in southern Australia. Australian Soc. Anim. Prod. Proc. 6:137-147. Ref. 1966. 49.9 Au72
- 21079 LONERAGAN, A. Thoughts on drought. Wool Technol. Sheep Breeding 13(1):101-104. July 1966. 304.8 W888 Sheep grazing problems in Australia.
- 21079 MACKENZIE, H. I. Melamine for sheep. S. Afr. Vet. Med. Ass. J. 37(2):153-157. June 1966. 41.8 So8 As source of nitrogen when given with roughage.
- 21080 MCINNES, P., and MANGELSDORF, N. W. The effect of urea block supplementation on the utilisation of roughage by sheep. Australian Soc. Anim. Prod. Proc. 6:252-256. 1966. 49.9 Au72
- 21081 MCINNES, P. Feeding weaner lambs during drought. Agr. Gaz. New S. Wales 77(6):343-346. June 1966. 23 N472
- 21082 MORLEY, F. H. W. The biology of grazing management. Australian Soc. Anim. Prod. Proc. 6:127-136. Ref. 1966. 49.9 Au72 Chiefly sheep.
- 21083 NAIDENOV, T., and PETROVSKI, N. Yield and nutritive value, green mass, silage and hay of the perennial grass mixtures, depending on the state at which the first growth is gathered. (Bu) Zhivotnovudni Nauk. 2(6):945-954. Ref. 1965. 49 Z65 English summary. -Sheep feeding.
- 21084 NOCKELS, C. F., KINTNER, L. D., and PFANDER, W. H. Influence of ration on morphology, histology, and trace mineral content of sheep rumen papillae. J. Dairy Sci. 49(9): 1068-1074. Ref. Sept. 1966. 44.8 J822

- 21085 PAULSON, G. D., BAUMANN, C. A., and POPE, A. L. Fate of a physiological dose of selenate in the lactating ewe: effect of sulfate. *J. Anim. Sci.* 25(4):1054-1058. Ref. Nov.1966. 49 J82
Added to feed.
- 21086 REARDON, T. F., and LAMBOURNE, L. J. Early nutrition and lifetime reproductive performance of ewes. *Australian Soc. Anim. Prod. Proc.* 6:106-108. 1966. 49.9 Au72
- 21087 ROJAS, J., and others. Digestibility and nutritive value for sheep of the hay of *Sanguisorba minor* (*Poterium sanguisorba* L.) from the experimental plots in the Loja mountains. (Sp) *Montes* 22(127):45-54. Ref. Jan./Feb.1966. 99.8 M763
G. Varela, J. F. J. F. J. Soriano, and J. Ruano, joint authors.
English summary.
- 21088 SEMPLE, J. A., and GRIEVE, C. M., and OSBOURN, D. F. The preparation and feeding value of Pangola grass silage. *Trop. Agr. [St. Augustine]* 43(3):251-255. July 1966. 28 T754
For sheep feeding in Trinidad.
- 21089 SHALICHEV, YA. Effect of various protein content in the feed rations of sheep on the volume and composition of milk. (Bu) *Zhivotnovodni Nauk.* 3(4):575-579. 1966. 49 Z65
German summary.
- 21090 SLINGER, R. I., SMUTS, S., and MELLET, P. The influence of the nutritional level of sheep on certain chemical and physical characteristics of wool. *Textile Res. J.* 36(11):1023-1024. Ref. Nov.1966. 304.8 T293
- 21091 VAN NIEKERK, B. D. H., and VENTER, J. J. Dunk the roughage into a solution of molasses and urea. *Farming S. Afr.* 42(7):16,24-25. Oct.1966. 24 So842
For sheep and cattle feeding.
- 21092 WATSON, W. A., and others. The use of heavy cobalt oxide pellets in the prevention of unthriftiness in lambs in Yorkshire. *Vet. Rec.* 79(10):276-280. Ref. Sept.3,1966. 41.8 V641
S. M. Boden, A. W. Stobbs, and A. Rutherford, joint authors.
- 21093 WHEELER, J. L. Hoof growth, a possible index of nutrition in grazing animals. *Australian Soc. Anim. Prod. Proc.* 6:350-353. 1966. 49.9 Au72
Young Australian Merino ewes.
- 21094 WILKINS, R. J., and GRIMES, R. C. Herbage digestibility in sheep and corresponding estimates of digestibility in vitro. *Australian Soc. Anim. Prod. Proc.* 6:334-339. 1966. 49.9 Au72
Review of the literature.
- 21095 WILSON, A. D. The growth-rate of weaner sheep on irrigated pastures. *Australian Soc. Anim. Prod. Proc.* 6:179-181. 1966. 49.9 Au72
- Veterinary Medicine
- 21096 ALEXANDER, D. P., BRITTON, H. G., and NIXON, D. A. Metabolism of ketone bodies by the sheep foetus. *J. Physiol.* 186(2):100P-101P. Oct.1966. 447.8 J82
- 21097 ALEXANDER, G., and WILLIAMS, D. Heat stress and growth of the conceptus in sheep. *Australian Soc. Anim. Prod. Proc.* 6:102-105. 1966. 49.9 Au72
- 21098 ALEXANDER, G. Perinatal lamb losses. *Wool Technol. Sheep Breeding* 13(1):107-111. July 1966. 304.8 W888
- 21099 ANDREWS, E. D., and STEPHENSON, B. J. Vitamin B₁₂ in the blood of grazing cobalt-deficient sheep. *New Zeal. J. Agr. Res.* 9(3):491-507. Ref. Aug.1966. 23 N4892
- 21100 ARMOUR, J., JARRETT, W. F. H., and JENNINGS, F. W. Experimental Ostertagia circumcincta infections in sheep; development and pathogenesis of a single infection. *Amer. J. Vet. Res.* 27(120):1267-1278. Ref. Sept.1966. 41.8 Am3A
- 21101 BENGTSSON, G. Care of hoofs. (Sw) *Farskottsel* 46(3):113-120. Apr.1966. 45.9 Sv2
Sheep.
- 21102 BORAY, J. C., and HAPPECH, F. A. Anthelmintic efficiency of low daily doses of hexachlorophene against *Fasciola hepatica* in sheep. *Vet. Rec.* 79(12):324-326. Sept.17,1966. 41.8 V641
In Australia.
- 21103 BOSMAN, C. J. A comparison of sheep worm dosing routines, as adjudged by wool production, and bodyweight changes. *S. Afr. Vet. Med. Ass. J.* 37(2):145-150. Ref. June 1966. 41.8 So8
- 21104 BOTES, H. J. W. Fatal enterobacterial septicaemia in lambs. *S. Afr. Vet. Med. Ass. J.* 37(1):17-25. Ref. Mar.1966. 41.8 So8
Chiefly colibacillosis caused by *Escherichia coli*.
- 21105 BOURKE, M. E., and ARMSTRONG, J. G. The influence of castration and testosterone on lamb growth. *Australian Soc. Anim. Prod. Proc.* 6:310-313. 1966. 49.9 Au72
- 21106 BROWN, J. M. M., WAGNER, A., and BRINK, A. Advances in geeldikkop (tribulosis ovis) research. 7-8. *S. Afr. Vet. Med. Ass. J.* 37(1):63-69; 62:203-216. Ref. Mar.-June 1966. 41.8 So8
1. A preliminary note on the influence of icterogenin on the polyethenoid fatty acid composition of liver cell membranes; 8. A critical analysis of the symptomatology of geeldikkop.
- 21107 BRUNSDON, R. V. Further studies of the effect of infestation by nematodes of the family Trichostrongylidae in sheep, an evaluation of a strategic drenching programme. *New Zeal. J.* 14(7):77-83. July 1966. 41.8 N483
Thiabendazole used.
- 21108 BURNS, R. H. Body weight computer for shorn ewes. *Wyo. Agr. Exp. Sta. Circ.* 75, chart. June 1965. 100 W99
- 21109 BUTLER, R. W. Worms in sheep. 1. The worms which infest sheep in W. A. West. Australia. *Dep. Agr. J.* (ser.4)7(7):286-288,291-293,295-296. July 1966. 23 W52J
- 21110 CAKALA, S. Effects of high temperature on reticulorumenal motility in goats. *Pulawy. Inst. Water. Bull.* 9(3):103-108. July/Sept. 1965. 41.9 P962
- 21111 CAKALA, S. Studies on the fever in sheep. I. Fever in sheep induced by bacterial pyrogens. *Pulawy. Inst. Water. Bull.* 9(3):61-71. Ref. July/Sept.1965. 41.9 P962
Salmonella gallinarum, *Salmonella typhimurium* and *Escherichia coli*.
- 21112 CAKALA, S. Studies on the fever in sheep. II. Influence of fever on certain physiological indices in blood of sheep. *Pulawy. Inst. Water. Bull.* 9(4):111-127. Ref. Oct./Dec.1965. 41.9 P962
- 21113 CAMERON, C. D. T., and GIBBS, H. C. Effects of stocking rate and flock management on internal parasitism in lambs. *Can. J. Anim. Sci.* 46(2):121-124. Ref. Aug.1966. 41.8 C163
- 21114 CASIDA, L. E., WOODY, C. O., and POPE, A. L. Inequality in function of the right and left ovaries and uterine horns of the ewe. *J. Anim. Sci.* 25(4):1169-1171. Nov.1966. 49 J82
For the study of single and twin ovulations.
- 21115 CHEETHAM, S. E., and STEVEN, D. H. Vascular supply to the absorptive surfaces of the ruminant stomach. *J. Physiol.* 186(2):56P-58P. Oct.1966. 447.8 J82
In sheep.
- 21116 CHWOJNOWSKI, A., and WOJTAL, B. Narcosis of sheep with chloral hydrate. (Pol) *Med. Weter.* 22(8):458-463. Ref. Aug.1966. 41.8 M463
English summary.
- 21117 COOK, T. F. Sheep dipping mortalities. *New Zeal. Vet. J.* 14(5/6):55-61. May/June 1966. 41.8 N483
Arsenic poisoning.
- 21118 COOK, T. F. Toxicity of haloxon in sheep. *New Zeal. Vet. J.* 14(5/6):71-72. May/June 1966. 41.8 N483
- 21119 COOMBE, J. B. Observations on the motility of the small intestine in sheep. *Australian Soc. Anim. Prod. Proc.* 6:407-412. 1966. 49.9 Au72

- 21120 CRAIG, J. Hypocalcaemia in sheep. West. Australia. Dep. Agr. J. (ser.4)(7)(7):298-299. July 1966. 23 W52J
- 21121 CROSS, R. B., LEE, E., and THORNTON, W. M. The effect of vasopressin on urea excretion by the sheep. J. Physiol. 187(2,sup.):34P-35P. Nov.1966. 447.8 J82
- 21122 DANIEL, D. L., BELL, D. S., and SANGER, V. L. Arborization patterns of cervicovaginal mucus of sheep. Ohio. Agr. Res. Develop. Center. Res. Circ. 146,15 p.,map. Ref. Oct. 1966. 100 Oh3R
- 21123 DAVIES, H. L., and HILL, J. L. A preliminary report on some studies in isoflavone metabolism in sheep. Australian Soc. Anim. Prod. Proc. 6:395-398. 1966. 49.9 Au72
Following clover feeding.
- 21124 DEJNEKA, J., ZIEBA, D., and LEROCH, Z. Daily course of sheep rumen movement. (Pol) Roczn. Nauk Roln. 68-B-4:417-423. 1966. 20.5 R59
English summary.
- 21125 DENNIS, S. M., and BAMFORD, V. W. The role of Corynebacteria in perinatal lamb mortality. Vet. Rec. 79(4):105-108. Ref. July 23, 1966. 41.8 V641
- 21126 DENT, C. H. R. Clover disease, a breeding disorder of sheep. Agr. Gaz. New S. Wales 77(7):414-418. July 1966. 23 N472
Clover as source of estrogens.
- 21127 DEWHURST, J. K., and HARRISON, F. A. Studies on potassium excretion in the sheep. J. Physiol. 186(2):78P-79P. Oct.1966. 447.8 J82
- 21128 DOBROWOLSKI, W., and BARCINKOWSKI, B. The chronic fistula of the portal vein in sheep. (Pol) Pol. Arch. Weter. 9(4):763-767. 1966. 41.8 P76
English summary.
- 21129 DOBSON, C. Distribution of Oesophagostomum columbianum larvae along the alimentary tract of the sheep. Australian J. Agr. Res. 17(5): 765-777. Ref. Sept.1966. 23 Au783
- 21130 DOBSON, C. Studies on the immunity of sheep to Oesophagostomum columbianum: proteins and haemagglutinating antibodies in mucous exudates and intestinal tissue extracts. Australian J. Agr. Res. 17(5):779-796. Ref. 1966. 23 Au783
- 21131 DOMANSKI, E., and others. Investigations on the anemia of ruminants kept on feeds from peaty soils of the Notec Valley. II. (Pol) Pol. Arch. Weter. 9(4):719-737. 1966. 41.8 P76
M. Mlynska, J. Gilszczynski, and J. Stodolak, joint authors.
English summary.
Chiefly sheep.
- 21132 DOWNES, A. M., and others. Proliferative cycle and fate of cell nuclei in wool follicles. Nature [London] 212(5061):477-479. Ref. Oct.29,1966. 472 N21
R. E. Chapman, A. R. Till, and P. A. Wilson, joint authors.
- 21133 EDEY, T. N., and THWAITES, C. J. Synchronisation of ewes at the second oestrus after progestagen treatment. Australian Soc. Anim. Prod. Proc. 6:38-43. 1966. 49.9 Au72
- 21134 EKDAHL, M. O., and ALLAN, C. M. Isolation of Salmonella dublin from a sheep in New Zealand. New Zeal. Vet. J. 14(7):93. July 1966. 41.8 N433
- 21135 FOLTZ, F. M., JOHNSON, D. C., and NELSON, D. M. Methods for obtaining the venous outflow from the hypothalamus and hypophysis. Soc. Exp. Biol. Med. Proc. 122(1):223-227. Ref. May 1966. 442.9 S01
Sheep.
- 21136 GALLAGHER, C. H., KOCH, J. H., and HOFFMAN, H. Diseases of sheep due to ingestion of Phalaris tuberosa. Australian Vet. J. 42(8): 279-286. Ref. Aug.1966. 41.8 Au72
Includes discussion.
- 21137 GARDINER, M. R., NAIRN, M. E., and MEYER, E. P. Urinary calculi associated with oestrogenic subterranean clover. Australian Vet. J. 42(9):315-320. Ref. Sept.1966. 41.8 Au72
In sheep.
- 21138 GEORGE, J. M. The use of an organic iodine preparation for controlling goitre in lambs born in winter, spring and summer. Australian Soc. Anim. Prod. Proc. 6:403-404. 1966. 49.9 Au72
- 21139 GODING, J. R. Ovarian autotransplantation with vascular anastomoses, and its application to the study of reproductive physiology in the ewe. J. Physiol. 186(2):86P-87P. Oct.1966. 447.8 J82
- 21140 GOLIKOV, G. A. Pathomorphology of experimental toxoplasmosis of sheep. (Rus) Veterinariya 6:50-51. June 1966. 41.8 V6426
- 21141 GORANOV, KH., and TSVETKOV, A. Study of the effect of ultra-violet irradiation on the excretion of ascorbic acid with the urining of sheep. (Bu) Vet. Med. Nauk. 3(6):635-639. Ref. 1966. 41.8 V6468
English summary.
- 21142 GOYENECHEA, J. E., FLUGUERTO MARTI, J. M., and MINOLA, J. The biggest tax on sheep farming. (Sp) Soc. Rural Argent. An. 100(7):81,83-85. July 1966. 9 S01
Parasites.
- 21143 GRACIA RODRIGUEZ, I. Enterotoxemia of sheep, or pulpy kidney disease. (Sp) Veterinaria [Madrid] 31(1):5-14. Jan.1966. 41.8 V6429
- 21144 HAMDY, A. H., and others. Infectious abortion in sheep causes heavy losses. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 50(5):71,79. Sept./Oct.1965. 100 Oh3S
D. R. Redman, A. L. Trapp, W. D. Pounder, and D. S. Bill, joint authors.
Virus abortion and vibriosis.
- 21145 HARRIS, A. N. A. White muscle disease, a cause of lamb losses. Agr. Gaz. New S. Wales 77(9):548-549. Sept.1966. 23 N472
- 21146 HASHIMOTO, C., MCSHAN, W. H., and MEYER, R. K. Purification and characterization of follicle-stimulating hormone from sheep pituitary glands. Biochemistry 5(11):3419-3425. Ref. Nov.1966. 381 B523
- 21147 HEALEY, J. S. Possible roles of fauna in spread of two important diseases of sheep. Agr. Gaz. New S. Wales 77(7):405-407. July 1966. 23 N472
Wildlife in transmission of toxoplasmosis and vibriosis.
- 21148 HELLBERG, A. Metabolism—a unique and ingenious process. (Sw) Farskotskel 46(1):16-21. Feb.1966. 45.9 Sv2
Sheep.
- 21149 HOFSLUND, S. Deficiency diseases during late winter. II. (Sw) Farskotskel 46(2):64-66,71. Mar.1966. 45.9 Sv2
Sheep.
- 21150 HOFSLUND, S. Diseases of lambs during the weaning period. IV. (Sw) Farskotskel 46(4): 157-162. May 1966. 45.9 Sv2
- 21151 HOFSLUND, S. Metabolic disturbances. (Sw) Farskotskel 46(1):22-28. Feb.1966. 45.9 Sv2
Sheep.
- 21152 HOFSLUND, S. On parasitic diseases and their control. V. (Sw) Farskotskel 46(5):197-202. June 1966. 45.9 Sv2
Sheep.
- 21153 HOFSLUND, S. Sanitation of lambs. III. (Sw) Farskotskel 46(3):108-112. Apr.1966. 45.9 Sv2
In relation to the prevention of diseases.
- 21154 ICHHPONANI, J. S., and JOHNSON, B. C. Oxidation of infused acetate to body pool CO₂. Soc. Exp. Biol. Med. Proc. 123(1):14-17. Oct. 1966. 442.9 S01
Sheep.
- 21155 INSKEEP, E. K., and BUTCHER, R. L. Local component of utero-ovarian relationships in the ewe. J. Anim. Sci. 25(4):1164-1168. Nov. 1966. 49 J82
- 21156 JACOBSSON, S. O. Excretion of a single dose of selenium in sheep. Acta Vet. Scand. 7(3): 226-239. Ref. 1966. 41.8 Ac87
- 21157 JOHNSON, D. C., FOLTZ, F. M., and NELSON, D. M. Abnormal lactation; experimental production of physiologic hypothalamic lesions in sheep. J. Clin. Endocrinol. Metab. 26(8):915-917. Ref. Aug.1966. 448.8 J8294

- 21159 KROGH, J. Enterotoxaemia (pulpy kidney) in sheep. *Agr. Gaz. New S. Wales* 77(6):364-367. June 1966. 23 N472
Chiefly prevention.
- 21159 KIRACOFÉ, C. H., and others. Effect of uterine or ovarian blood vessel ligations on ovarian function of ewes. *J. Anim. Sci.* 25(4):1159-1163. Ref. Nov. 1966. 49 J82
C. S. Menzies, H. T. Gier, and H. G. Spies, joint authors.
- 21160 KOLEV, V. On the epizootiology and prophylaxis of listeriosis in sheep. (Bulg.) *Vet. Med. Nauk.* 3(5):541-546. Ref. 1966. 41.8 V6468
English summary.
- 21161 KROMANN, R. P., and MEYER, J. H. Energy metabolism in sheep as influenced by interactions among the ration's energy content, physical form and buffers. *J. Anim. Sci.* 25(4):1096-1101. Ref. Nov. 1966. 49 J82
- 21162 KRONFELD, D. S., and RAGGI, F. Decreases in concentrations of the nicotinamide coenzymes in the livers of fasting pregnant sheep and of field cases of pregnancy toxemia. *Res. Vet. Sci.* 7(4):499-503. Ref. Oct. 1966. 41.8 R312
- 21163 KRONFELD, D. S., and RAGGI, F. Irregular plasma glucose concentrations, elevated plasma non-esterified fatty acid concentrations and unchanged glucokinase activities in brain, muscle and liver during pregnancy toxemia in sheep. *Res. Vet. Sci.* 7(4):493-498. Ref. Oct. 1966. 41.8 R312
- 21164 KUIL, H., and FOLKERS, C. A very anemic goat. (Dutch) *Tijdschr. Diergeneesk.* 91(19):1247. Oct. 1, 1966. 41.8 T431
- 21165 LANGLANDS, J. P. Creatinine as an index substance for estimating the urinary excretion of nitrogen and potassium by grazing sheep. *Australian J. Agr. Res.* 17(5):757-763. Ref. Sept. 1966. 23 Au783
- 21166 LAWS, L., and SIMMONS, G. C. Cryptococcosis in a sheep. *Australian Vet. J.* 42(9):321-323. Ref. Sept. 1966. 41.8 Au72
- 21167 LEE, P., WOO, A., and TOSTESON, D. C. Cyto-differentiation and membrane transport properties in LK sheep red cells. *J. Gen. Physiol.* 50(2):379-390. Ref. Nov. 1966. 44.7 J822
Low concentration of potassium and high concentration of sodium.
- 21168 LENG, R. A. Volatile fatty acid production in the rumen of sheep. *Australian Soc. Anim. Prod. Proc.* 6:389-394. 1966. 49.9 Au72
- 21169 LINZELL, J. L. Infusion and blood sampling techniques for use in minimally restrained goats. *J. Physiol.* 186(2):79P-81P. Oct. 1966. 44.7 J82
- 21170 LOMBARD, C., and CABANIE, P. Inflammatory neofomations and tumors in the superior maxillary sinus of a sheep. (Fr.) *Acad. Vet. France. Bull.* 39(4):147-148. Apr. 1966. 41.9 R24
- 21171 LOPYRIN, A. I., ZHELTOBYUKH, N. A., and IVAKHNENKO, B. K. Physiological effect of ovarian, placental and synthetic progesterone on pregnant ewes. (Rus.) *Zhivotnovodstvo* 7:73-76. July 1966. 49 Z6
- 21172 LUTHER, R., TRENKLE, A., and BURROUGHS, W. Influence of rumen protozoa on volatile acid production and ration digestibility in lambs. *J. Anim. Sci.* 25(4):1116-1122. Ref. Nov. 1966. 49 J82
- 21173 LYNCH, G. P., and others. Quantitative changes in the free plasma amino acids and other ninhydrin reactive substances of sheep due to the pre-slaughter stunning. *J. Anim. Sci.* 25(4):1133-1137. Ref. Nov. 1966. 49 J82
R. R. Oltjen, J. W. Thornton, and R. L. Hiner, joint authors.
- 21174 MARTIN, C. A. Little change in docking methods. *New Zeal. Meat Prod.* 10(12):40. Sept. 1, 1966. 50.8 N48
Lambs.
- 21175 MCDONALD, J. W. Variation in perinatal mortality of lambs with age and parity of ewes. *Australian Soc. Anim. Prod. Proc.* 6:60-62. 1966. 49.9 Au72
- 21176 MESSAGE, M. A. The innervation of the blood supply to the papillae of the rumen of the sheep. *J. Gen. Physiol.* 187(2,sup.):17P. Nov. 1966. 44.7 J82
- 21177 MITCHELL, B. Local analgesia of the horn and horn base in the goat. *Vet. Rec.* 79(5):135-136. July 30, 1966. 41.8 V641
In dehorning.
- 21178 MULLANEY, P. D. Pre-natal losses in sheep in western Victoria. *Australian Soc. Anim. Prod. Proc.* 6:56-59. Ref. 1966. 49.9 Au72
- 21179 O'SCANAILL, T., and MONAGHAN, M. G. Pentobarbital sodium anaesthesia in the lamb. *Irish Vet. J. (n.s.)* 20(8):148-149. Aug. 1966. 41.8 Ir4
For surgery on the eye.
- 21180 PANCHENKO, I. YA., and SARAPUL'TSEV, I. A. Behavior of strontium and calcium in goat organism. (Rus.) *Radiobiologiya* 6(2):228-231. Ref. 1966. 44.8 R11
Study of metabolism.
- 21181 PARRY, H. B., and STEELE, T. W. The control and possible eradication of natural scrapie in sheep. I-V. U. S. Agr. Res. Serv. ARS 91-53:303-340. 1964, pub. 1966. 44.9 R315Ar
Includes discussion.
- 21182 PATTERSON, D. S. P. Depot fat mobilization and liver lipogenesis and ketogenesis in ovine pregnancy toxemia and the effects of corticotrophin administration. *Res. Vet. Sci.* 7(4):484-492. Ref. Oct. 1966. 41.8 R312
- 21183 PATTIE, W. A., and WILLIAMS, A. J. Growth and efficiency of post-weaning gain in lambs from Merino flocks selected for high and low weaning weight. *Australian Soc. Anim. Prod. Proc.* 6:305-309. 1966. 49.9 Au72
- 21184 PATYK, S. Coccidia in sheep of Western territories. (Pol.) *Wrocław. Wyższa Szkoła Roln. Zeszty Nauk. Weter.* 17:77-85. Ref. 1964. 41.9 B753
English summary.
Infected by *Eimeria* species.
- 21185 PETRESCU, A., and others. Electron microscopical studies of the *Mycoplasma agalactiae* ovis. (Rum.) *Rum. Inst. Cercet. Vet. Bioprep.* "Pasteur." *Lucrare* 2(1):235-240. Ref. 1963, pub. 1965. 41.9 R863
N. Grigoriu, M. de Simon, and R. Iftimovici, joint authors.
English summary.
Organism causing contagious agalactia.
- 21186 PIENAAR, J. G., and VAN DER MERWE, J. L. DE B. Intracellular inclusions in the hepatocytes in enzootic icterus in sheep. *S. Afr. Vet. Med. Ass. J.* 37(1):53-60. Ref. Mar. 1966. 41.8 So8
- 21187 POISSON, G. Teratologie ovine [Ovine teratology]. *Alfort. Ecole Nat. Vet. These* 62,96 p. 1965. 41.2 AL23
Bibliography, p. 87-96.
- 21188 PORTER, P., and SINGLETON, A. G. The digestion of starch and fibre polysaccharides in sheep fed hay and concentrates. *J. Physiol.* 186(2):145P-146P. Oct. 1966. 44.7 J82
- 21189 QUINLIVAN, T. D., and others. Estimates of pre- and perinatal mortality in the New Zealand Romney Marsh ewe. I-II. *J. Reprod. Fert.* 11(3):379-398. Ref. June 1966. 44.2 J8222
C. A. Martin, W. B. Taylor, and I. M. Cairney, joint authors.
I, Pre- and perinatal mortality in those ewes that conceived to one service; II, Pre- and perinatal loss in those ewes that conceived to second service, and those that returned to second service and were mated a third time.
- 21190 RAY, E. E., and SMITH, S. L. Effect of body weight of ewes on subsequent lamb production. *J. Anim. Sci.* 25(4):1172-1175. Nov. 1966. 49 J82
- 21191 REINECKE, R. K. A larval anthelmintic test. *S. Afr. Vet. Med. Ass. J.* 37(1):29-33. Ref. Mar. 1966. 41.8 So8
Use of I.C.I. 50,627, dl-2,3,5,6-tetrahydro-6-phenyl-imidazo (2,1-b) thiazole hydrochloride for sheep verminosis.

- 21192 REINECKE, R. K. The value of uniform worm burdens in the larval anthelmintic test. *S. Afr. Vet. Med. Ass. J.* 37(2):133-142. Ref. June 1966. 41.8 So8
Tests with various anthelmintics on sheep.
- 21193 RESTALL, B. J. Histological observations on the reproductive tract of the ewe. *Australian J. Biol. Sci.* 19(4):673-686. Ref. Aug. 1966. 44.2.8 Au72
- 21194 RESTANI, R. On an Eimeria parasite of Ovis aries L. (II) *Parassitologia* 6(1):9-12. July 1966. 436.8 P212
English summary.
- 21195 ROBINSON, T. J., and LAMOND, D. R. Control of reproduction in sheep and cattle. *Australian Soc. Anim. Prod. Proc.* 6:10-18. 1966. 49.9 Au72
Estrus control.
- 21196 ROSE, J. H. The vulval flap formula of *Hemonchus contortus* from sheep in south-east England. *Res. Vet. Sci.* 7(4):480-483. Ref. Oct. 1966. 41.8 R312
- 21197 ROWSON, L. E. A., and MOOR, R. M. Development of the sheep conceptus during the first fourteen days. *J. Anat.* 100(4):777-785. Ref. Oct. 1966. 447.8 J826
- 21198 RUSSELL, H. M., HEDDING, R. R., and OFFICER, R. R. Studies of illthrift of lambs on the Mornington Peninsula. *Australian Soc. Anim. Prod. Proc.* 6:182-189. Ref. 1966. 49.9 Au72
- 21199 SCHLEICHER, J. Investigations on autonomic nerves in cerebral listeriosis of sheep. (Ge) *Arch. Exp. Veterinarmed.* 20(3):565-579. Ref. June 1966. 41.8 Ex7
- 21200 SEDLMAYER, H., SCHIEFER, B., and JAKOB, H. Occurrences of pulmonary adenomatosis of sheep in Bavaria. (Ge) *Deut. Tierarztl. Wochenschr.* 73(17):422-424, 429-430. Ref. Sept. 1, 1966. 41.8 D482
- 21201 SETCHELL, B. P., and DICKINSON, D. A. Effect of iodised oil and iodine on thyroid iodine concentration in lambs with some observations on aetiology of naturally occurring goitre. *Australian Soc. Anim. Prod. Proc.* 6:405-406. 1966. 49.9 Au72
Poppy seed oil and potassium iodate.
- 21202 SHELTON, J. N., and MOORE, N. W. Survival of fertilized eggs transferred to ewes after progesterone treatment. *J. Reprod. Fert.* 11(1):149-151. Ref. Feb. 1966. 442.8 J822
- 21203 SMITH, R. E., REYNOLDS, I. M., and CLARK, G. W. Experimental leptospirosis in pregnant ewes. *V. Cornell Vet.* 56(3):418-426. July 1966. 41.8 C81
- 21204 SNLIDERS, A. J., and LOUW, J. P. A comparison of anthelmintics administered intra-ruminally in sheep. *S. Afr. Vet. Med. Ass. J.* 37(2):121-131. Ref. June 1966. 41.8 So8
- 21205 SQUIRES, V. R. Seasonal incidence of oestrogenic activity in irrigated pasture as assessed by wether test length increase. *Australian Soc. Anim. Prod. Proc.* 6:117-122. 1966. 49.9 Au72
- 21206 STANKUSHEV, KH., and others. Experimental and spontaneous abortions caused by *Trichoderma lignorum* (Tode) Harz. (Bu) *Vet. Med. Nauk.* 3(5):485-492. Ref. 1966. 41.8 V6468
N. Pavlov, K. Surtmadzhiev, K. Kurdomanov, and R. Khristova, joint authors.
English summary.
Chiefly in sheep.
- 21207 SZABUNIEWICZ, M., MCCRADY, J. D., and BANKNIEDER, A. R. Ophthalmodynamometry for clinical measurement of blood pressure in the goat. *Southwest. Vet.* 19(4):283-286. Summer 1966. 41.8 So82
- 21208 TAYLOR, J. A. Palmitate metabolism and ketone body production in normal and ketotic sheep in vivo and in vitro. *Diss. Abstr.*, Sect. B. 27(2):594B-595B. Aug. 1966. Z5055.U49D53
- 21209 TRENKLE, A., and KUHLEMEIER, K. V. Relationship of rumen volatile acids, blood glucose and plasma nonesterified fatty acids in sheep. *J. Anim. Sci.* 25(4):1111-1115. Ref. Nov. 1966. 49.9 J82
- 21210 UNITED STATES LIVESTOCK SANITARY ASSOCIATION, COMMITTEE ON DISEASES OF SHEEP AND GOATS. Report. U. S. Livestock Sanit. Ass. Proc. 69th Annu. Meeting: 70-73. 1965, pub. 1966. 49.9 Un3R
L. E. Bodenweiser, chairman.
- 21211 VAN AARDT, W. P. Stomatitis caused by the flower heads of *Hordeum murinum* L. *S. Afr. Vet. Med. Ass. J.* 37(2):233-234. June 1966. 41.8 So8
Sores in the mouths of sheep.
- 21212 VAUGHAN, L. C., and SCOTT, M. G. A. D. An experimental study of the fate of autographs of whole-thickness skin used to replace the anterior cruciate ligament. *Vet. Rec.* 79(15):412-416. Oct. 8, 1966. 41.8 V641
Goats used in the experiment.
- 21213 WEBSTER, A. J. F. The establishment of thermal equilibrium in sheep exposed to cold environments. *Res. Vet. Sci.* 7(4):454-465. Ref. Oct. 1966. 41.8 R312
- 21214 WEBSTER, M. E. D., and LYNCH, J. J. Some physiological and behavioural consequences of shearing. *Australian Soc. Anim. Prod. Proc.* 6:234-239. 1966. 49.9 Au72
Of sheep.
- 21215 WEIDMANN, S., and HODGKIN, A. L. The diffusion of radiopotassium across intercalated disks of mammalian cardiac muscle. *J. Physiol.* 187(2):323-342. Ref. Nov. 1966. 447.8 J82
In sheep.
- 21216 WELS, A., and HORN, V. Determination of Cr⁵¹-half value time of autological goat erythrocytes. (Ge) *Berliner Münchener Tierarztl. Wochenschr.* 79(16):305-307. Ref. Aug. 15, 1966. 41.8 B45
English summary.
- 21217 WENSVOORT, P. Adipose tissue of young ruminants. (Du) *Tijdschr. Diergeneesk.* 91(21):1317-1330. Nov. 1, 1966. 41.8 T431
Lambs and calves.
- 21218 WHITEMAN, J. V. Relationships between ovulation and lambing rates. *J. Anim. Sci.* 25(4):1029-1034. Nov. 1966. 49.9 J82
- 21219 WILKINSON, F. C. Alive—stiff—dead. *West. Australia. Dep. Agr. J.* (ser. 4)7(5):228. May 1966. 23 W52J
Tetanus in lambs.
- 21220 WILKINSON, F. C. Down and out! *West. Australia. Dep. Agr. J.* (ser. 4)7(6):264-265. June 1966. 23 W52J
Pulpy kidney disease in lambs.
- 21221 WOOD, G. E. Triglyceride synthesis from specific diglycerides by lactating-goat mammary gland. *Diss. Abstr.*, Sect. B. 27(2):394B-395B. Aug. 1966. Z5055.U49D53
- 21222 YANEV, E., GELEV, I., and BREGOV, S. On the immunology of *Salmonella abortusovis*. (Bu) *Vet. Med. Nauk.* 3(5):473-483. Ref. 1966. 41.8 V6468
English summary.
Tested on sheep.
- 21223 ZIOLECKA, A., and KUZDOWICZ, M. Contribution to discover the factors that influence the nitrogen loss in the drying of sheep feces. (Ge) *Rocz. Nauk Roln.* 89-B-1:53-60. Ref. 1966. 20.5 R59
English summary.
- 21224 ZWART, D., and ROWE, L. W. The occurrence of rinderpest antibodies in the sera of sheep and goats in Northern Nigeria. *Res. Vet. Sci.* 7(4):504-511. Ref. Oct. 1966. 41.8 R312

Miscellaneous

- 21225 ALEXANDER, G., and WILLIAMS, D. Teat-seeking activity in new-born lambs: the effects of cold. *J. Agri. Sci. [London]* 67(2):181-189. Ref. Oct. 1966. 10 J822
- 21226 BEGGS, A. R., and CAMPION, E. J. Field techniques to increase lamb survival. *Australian Soc. Anim. Prod. Proc.* 6:169-176. 1966. 49.9 Au72

- 21227 CLARET, R. L'élevage ovin et la production fromagère en Corse [Sheep raising and cheese production in Corsica]. Alfort. Ecole Nat. Vet. These 56,87 p.,map. Ref. 1966. 41.2 AL23
- 21228 COMMERNAT, J. Contribution à l'étude de l'élevage caprin [Contribution to the study of goat raising]. Alfort. Ecole Nat. Vet. These 24,116 p. 1966. 41.2 AL23
Bibliography, p.108-116.
- 21229 COOK, C. F. The role of lamb carcass contests; their ability to evaluate consumer and producer orientated needs. Wool Technol. Sheep Breeding 13(1):63-65. July 1966. 304.8 W888
- 21230 DE KLERK, J. C. More wool per sheep. Farming S. Afr. 42(7):17-20. Oct. 1966. 24 So842
- 21231 DRINAN, J. P., and FERGUSON, B. D. The influence of shearing on the growth and economic value of carry-over lambs. Australian Soc. Anim. Prod. Proc. 6:190-193. 1966. 49.9 Au72
Returns from meat and wool.
- 21232 FENNESSY, B. V. The impact of wildlife species on sheep production in Australia. Australian Soc. Anim. Prod. Proc. 6:148-156. Ref. 1966. 49.9 Au72
Grazing competition and prey on flocks.
- 21233 HACHICH, M. S. Possibilités d'amélioration de l'élevage ovin en Tunisie [Possibilities for improvement in raising sheep in Tunisia]. Alfort. Ecole Nat. Vet. These 25,59 p. Ref. 1966. 41.2 AL23
- 21234 KOŁARS, J. Locational aspects of cultural ecology: the case of the goat in non-western agriculture. Geogr. Rev. 56(4):577-584. Oct. 1966. 500 Am35G
In Turkey.
- 21235 MOORE, R. W., DONALD, I. M., and MESSENGER, J. J. Fox predation as a cause of lamb mortality. Australian Soc. Anim. Prod. Proc. 6:157-160. Ref. 1966. 49.9 Au72
- 21236 SHALICHEV, YA., and TANEV, G. Milk production, composition and properties of milk of mountain and foothill sheep. (Bu) Zhivotnovodni Nauk. 3(4):581-587. 1966. 49 Z65
German summary.
- 21237 SVENSKA FARAVALSPÖRENINGEN. Annual report of the Swedish Sheep Husbandry Association. (Sw) Farskotsel 46(1):7-15. Feb. 1966. 45.9 Sv2
- 21238 VIRGINIA POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Keeping lambs healthy. Va. Polytech. Inst. Ext. Circ. 1029,10 p. Aug. 1966. 275.29 V81C
- SWINE
- Breeds and Breeding
- 21239 ALLEN, E., and others. Phenotypic and genetic associations between porcine muscle properties. J. Anim. Sci. 25(4):962-966. Ref. Nov. 1966. 49 J82
J. C. Forrest, A. B. Chapman, N. First, R. W. Bray, and E. J. Briskey, joint authors.
- 21240 ARHIPOVETS', O. I. Morphological and biochemical peculiarities of sexual glands in boars. (Uk) Visnyk Sil'skohospodar. Nauk. 4: 97-99. Apr. 1965. 20 V82
Russian Summary.
- 21241 GEORGIEV, I., and others. Investigations of some age related performance traits of Bulgarian White swine. (Bu) Zhivotnovodni Nauk. 3(4):507-513. Ref. 1966. 49 Z65
S. Beremski, V. Tomov, and V. Koinarski, joint authors.
German summary.
- 21242 GLIGOR, V. Acclimatization of imported swine breeds and their utilization in the improvement of domestic breeds. (Rum) Rev. Zooteh. Med. Vet. 16(9):15-24. Sept. 1966. 49 P943
- 21243 GREAT BRITAIN. PIG INDUSTRY DEVELOPMENT AUTHORITY. Progeny testing report. Volume 8. Details of boars completing progeny test during 1965. London, 1966. 369 p. 46.9 N2195
- 21244 KUPPELMAYR, E. Herdbook pig breeding in the German Democratic Republic. (Ge) Monatsh. Veterinarmed. 21(14):521-525. July 15, 1966. 41.8 M742
English summary.
- 21245 LANGHOLZ, H. J. Breeding aids of stationary progeny testing in swine. III. Hereditary and genetic correlations in the Norwegian Landrace. (Ge) Acta Agr. Scand. 16(2):97-114. Ref. 1966. 11 Ac82
- 21246 MARX, D., and WETTKE, K. Research into breeding hygiene in pigs and piglets free of epidemics. (Ge) Berliner Munchener Tierärztl. Wochenschr. 79(19):375-378. Ref. Oct. 1, 1966. 41.8 B45
English summary.
- 21247 MCFEE, A. F., KNIGHT, M., and BANNER, M. W. An interest pig with XX/XY leucocyte mosaicism. Can. J. Genet. Cytol. 8(3):502-505. Ref. Sept. 1966. 443.8 C16
- 21248 PINKAS, A., and others. Relationship between certain measurements of the carcass cross section at the last rib and the lean and fat of pigs of the White Bulgarian breed. (Bu) Zhivotnovodni Nauk. 3(4):463-470. Ref. 1966. 49 Z65
Ya. Dimov, S. Beremski, and L. Boneva, joint authors.
English summary.
- 21249 RADU, A. Breeding of swine on basis of progeny tests. (Rum) Rev. Zooteh. Med. Vet. 16(9):25-31. Sept. 1966. 49 P943
- 21250 SHELBY, D. R. The influence of incubation temperature on the metabolism of porcine male germ cells suspended in an artificial medium. Diss. Abstr., Sect. B, 27(2):594B. Aug. 1966. Z5055.U49D53
- 21251 SPRULL, D. Boar management. N. C. Univ. Ext. Circ. 459, rev., 8 p. July 1966. 275.29 N811
- 21252 SYAROV, I., and PETROV, I. Intensity of meat deposits and bone growth in the meat fattening of Bulgarian White swine, Swedish Landrace, and their crossing. (Bu) Zhivotnovodni Nauk. 3(1):125-135. Ref. 1966. 49 Z65
German summary.
- 21253 URBAN, W. E., and others. Genetic and environmental aspects of litter size in swine. J. Anim. Sci. 25(4):1148-1153. Ref. Nov. 1966. 49 J82
C. E. Shelby, A. B. Chapman, J. A. Whately, and V. A. Garwood, joint authors.
- 21254 VASILEV, TS. Utility crossing of Bulgarian White swine with boars of Swedish Landrace. (Bu) Zhivotnovodni Nauk. 2(5):643-649. Ref. 1965. 49 Z65
German summary.
- 21255 WAITE, A. B. Reproductive performance and embryo migration in swine inseminated unilaterally. Diss. Abstr., Sect. B, 27(4):1277B. Oct. 1966. Z5055.U49D53
- Feeds and Feeding
- 21256 ANDERSON, M. D., and others. Hypervitaminosis A in the young pig. J. Anim. Sci. 25(4): 1123-1127. Ref. Nov. 1966. 49 J82
V. C. Speer, J. T. McCall, and V. W. Hays, joint authors.
- 21257 ANDREEV, A. Results of dry feeding of mother sows with silage mixtures from feed automats. (Bu) Zhivotnovodni Nauk. 3(2):185-193. 1966. 49 Z65
German summary.
- 21258 ANGELOV, I. Investigation of the effects of sorghum in meat fattening of swine. (Bu) Zhivotnovodni Nauk. 2(6):909-914. Ref. 1965. 49 Z65
German summary.
- 21259 BIELINSKI, K., and others. Effect of different lucerne meal quantities in feeding rations upon live weight gain, fodder consumption, slaughter utility value and meat quality in fattening bacon pigs. (Pol) Roczn. Nauk Roln. 88-B-3:285-294. Ref. 1966. 20.5 R59
J. Tabiszewski, K. Bielinska, and J. Kortz, joint authors.
English summary.
Large White breed.

- 21260 BOWLAND, J. P. Formulation of rations for pigs. 1. Energy requirements. *Hog Prod.* 2 (9):6-10. Nov.1966. 46.8 H875
- 21261 BRUNE, H., and THIER, E. The usefulness of stored whey in swine fattening and research on material changes during storage. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(3):167-182. Ref. May 1966. 389.78 Z3 English summary.
- 21262 CHESHMEDJIEV, B. V., ANGELOV, A., and TOMOV, V. Fattening pigs for bacon with different protein levels in the rations. (Bu) *Zhivotnovudni Nauk.* 3(4):529-536. Ref. 1966. 49 Z65 English summary.
- 21263 CLAWSON, A. J., and SMITH, F. H. Effect of dietary iron on gossypol toxicity and on residues of gossypol in porcine liver. *J. Nutr.* 89 (3):307-310. Ref. July 1966. 389.8 J82
- 21264 CUMMINGS, K. R., PICKETT, R. A., and NOLLER, C. H. Effect of nitrogen fertilization on the feeding value of corn for swine. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 263.5 p. Sept. 1966. 100 In2Res
- 21265 DAMMERS, J. Factors influencing the digestibility of feed components by swine. (Du) *Veeteelt Zuivelber.* 9(4):171-174. Apr.1966. 49 V51
- 21266 DOBREVZ-VULCHANOVA, I. Meat fattening of swine with varied silage doses in the ration. (Bu) *Zhivotnovudni Nauk.* 3(1):81-92. Ref. 1966. 49 Z65 German summary.
- 21267 DORSI, J. Proteins in swine nutrition. (Sp) *Rev. Med. Vet. [Buenos Aires]* 47(3):185-190, 193-197. May/June 1966. 41.8 B86 Includes feed formulas.
- 21268 EBERHARDT, W. Swine fattening with feed additives. IV. (Ge) *Tierzüchter* 18(16):564-566. Aug.20,1966. 49 T445
- 21269 FEHER, K. Costs of swine fattening. (Hu) *Magyar Mezogazdasag* 21(43):16. Oct.26,1966. 19 M27
- 21270 FOGTMANN, H. P. Roughage settlement - with tips and considerations. (Da) *Landbonyt* 20(11):363-366. Nov.1966. 11 L2322 Feeding of swine and cattle.
- 21271 GEORGIA UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Swine feeding. *Ga. Univ. Ext. Circ.* 560.6 p.-folder. May 1966. 275.29 G29C
- 21272 GEORGIEV, I., and TOMOV, V. The effect of level of nutrition on weight increase and meat quality of swine. (Bu) *Zhivotnovudni Nauk.* 2(6):931-938. 1965. 49 Z65 German summary.
- 21273 GEORGIEV, I., ZOROVSKA, N., and ANGELOV, A. Evaluation of type rations for fattening performance testing of swine. (Bu) *Zhivotnovudni Nauk.* 2(5):755-762. 1965. 49 Z65 German summary.
- 21274 GEORGIEV, I., and TOMOV, V. Testing the effects of mineral mixtures and biovit 40 in the rearing male store pigs. (Bu) *Zhivotnovudni Nauk.* 2(5):713-717. 1965. 49 Z65 German summary.
- 21275 GREER, S. A. N., and others. Effect of dietary fat, protein and cholesterol on atherosclerosis in swine. *J. Nutr.* 90(2):183-190. Ref. Oct. 1966. 389.8 J82 V. W. Hays, V. C. Speer, and J. T. McCall, joint authors.
- 21276 GRIEVE, C. M., OSBOURN, D. F., and GONZALES, F. O. Coconut oil meal in growing and finishing rations for swine. *Trop. Agr. [St. Augustine]* 43(3):257-261. July 1966. 26 T754 Trinidad.
- 21277 HOFER, J. A. Confinement feeding and management of hogs. *Mich. State Univ. Swine Day* 1964:3-6. 46.9 M582
- 21278 HOLCK, G. L. Amino acid nutrition of growing swine with reference to the balance of amino acids in corn protein. *Diss. Abstr.* Sect. B., 27(4):1007B-1008B. Oct.1966. Z5055.U49D53
- 21279 HORSZCZARUK, F., and LASSOTA, L. Dehydrated raw potatoes as feed for growing-finish-ing pigs. (Pol) *Rocz. Nauk Roln.* 89-B:115-24. Ref. 1966. 20.5 R59 English summary.
- 21280 JANOWSKI, H., WASINSKI, K., and KOWALIK, B. Effects of nutrition on the number and quality of *Escherichia coli* and *Lactobacillus* in feces of pigs at their weaning age. *Pulawy. Inst. Weter. Bull.* 9(4):161-170. Ref. Oct./Dec. 1965. 41.9 P962
- 21281 KELLOGG, T. F., and others. Effect of dietary chemotherapeutics on the performance and fecal flora of baby pigs. *J. Anim. Sci.* 25(4):1102-1106. Ref. Nov.1966. 49 J82 V. W. Hays, D. V. Catron, L. Y. Quinn, and V. C. Speer, joint authors.
- 21282 KOLB, E. Problems of mineral and vitamin supply for pigs. (Ge) *Monatsh. Veterinarmed.* 21(14):542-547. July 15,1966. 41.8 M742 English summary.
- 21283 KORENING, G. H. Wheat as a feed for finishing hogs. *Wash. State Univ. Ext.* E. M. 2661, 11 p. July 1966. 275.29 W27M1 Pacific Northwest.
- 21284 KUMANOV, S., ANGELOVA, L., and PINKAS, A. Comparative investigations on single and group feeding of Bulgarian White fattening swine. (Bu) *Zhivotnovudni Nauk.* 3(4):639-647. 1966. 49 Z65 German summary.
- 21285 MAHAN, D. C., and others. Influence of various nutritional factors and physical form of feed on esophagogastric ulcers in swine. *J. Anim. Sci.* 25(4):1019-1023. Ref. Nov.1966. 49 J82 R. A. Pickett, T. W. Perry, T. M. Curtin, W. R. Featherston, and W. M. Beeson, joint authors.
- 21286 MCDONALD, T. A., and others. Influence of aged corn and supplemental vitamin A on growing-fattening swine. *J. Anim. Sci.* 25(4):1024-1028. Ref. Nov.1966. 49 J82 W. H. Smith, R. A. Pickett, and W. M. Beeson, joint authors.
- 21287 MCNAMARA, P., and SPRIVULIS, R. Skim milk is a valuable pig feed—but it should be balanced by other feeds. *West. Australia. Dep. Agr. J. (ser.47)(5):206-208.* May 1966. 23 W52J
- 21288 NOLAND, P. R., BAUGUS, C. A., and SCOTT, K. W. Use of grain sorghum in creep rations for pigs looks promising. *Feed Bag* 42(11):34-35. Nov.1966. 389.78 F32
- 21289 NUGARA, D. S. The use of rice bran in pig rations. *Ceylon Vet. J.* 14(1/2):15-17. Mar./June 1966. 41.8 C33
- 21290 NUWER, A. J. Studies on the influence of expanded corn and heat-treated corn components on the occurrence of esophagogastric ulcers in swine. *Diss. Abstr.* Sect. B, 27(2):342B-343B. Aug.1966. Z5055.U49D53
- 21291 PALIEV, KH. The effect of vitamin B12 adsorbed on clay, and Biovit-40, on the growth of fattening pigs. (Bu) *Zhivotnovudni Nauk.* 3 (2):195-199. Ref. 1966. 49 Z65 English summary.
- 21292 PFIRTER, H. P. The influence of corn on the growth, feed utilization, and slaughter quality of swine. (Ge) *Grüne* 94(44):1623-1627. Nov.4,1966. 17 Sch9
- 21293 PFIRTER, H. P., and JUCKER, H. Once daily feeding of fattening swine? (Ge) *Grüne* 94 (44):1627-1632. Nov.4,1966. 17 Sch9 Switzerland.
- 21294 PLATKANOV, N., PETKOV, T., and PETKOV, V. Sugar beet as supplemental feed in swine fattening. (Bu) *Zhivotnovudni Nauk.* 3(2):149-159. Ref. 1966. 49 Z65 German summary.
- 21295 RASMUSSEN, R. D., and others. Plant proteins plus amino acids in swine rations. *Feed-stuffs* 38(44):32. Nov.5,1966. 286.81 F322 E. G. Moody, E. D. Taysom, and K. Sundquist, joint authors.

- 21296 ROTHERMUND, H., and HAMMEL, H. J. Experiences in the excision of potato aftermath with low- and high producing sows. (Ge) Tierzucht 20(7):374-376. July 1966. 49 T443
- 21297 RUANO HERRERO, J. On the influence of the type of fat (animal or vegetable) on the digestibility of feed in the Iberian pig. (Sp) Veterinaria [Madrid] 31(5):305-315; (6):365-370. (Concl.) May-June 1966. 41.8 V6429
Tallow and waste olive oil in feed rations for Extremadura Red pigs.
- 21298 SPRUILL, D., and WILDER, W. A. Feeder pigs to market hogs. N. C. Univ. Ext. Ext. Circ. 458, rev., 8 p. July 1966. 275.29 N811
- 21299 SYBESMA, I. Feeding of pigs on Danish fattening farms. (Du) Veeteelt Zuivelber. 9(4): 180-183. Apr. 1966. 49 V51
- 21300 SZABO, J. Importance of essential amino acids in feeding of swine. (Da) Danske Dyrægefor. Medlemsbl. 49(21):887-895. Ref. Nov. 1, 1966. 41.9 D23
- 21301 TOMOV, V., ANGELOV, A., and KUMANOV, S. Feeding of breeder swine with various corn portion in the ration. (Bu) Zhivotnovudni Nauk. 3(3):347-353. 1966. 49 Z65
German summary.
- 21302 ULLREY, D. E., and others. Swine feeding simplified for maximum performance with minimum cost. Mich. State Univ. Swine Day 1964:9-12. 46.9 M582
J. A. Hoefer, R. H. Hines, and E. C. Miller, joint authors.
- 21303 WISE, W. E., and ROBERTSON, J. C. Precautions in using feed additives for swine. K. Univ. Ext. Leaf. 290, 6 p., folder. 1966. 275.29 K415Le
Chiefly drugs.
- 21304 ZEBROWSKI, Z., and KOSSAKOWSKI, J. Investigations on meat fattening of Pulawska pigs at a lowered level of feeding. (Pol) Rocz. Nauk Roln. 88-B-4:395-407. Ref. 1966. 20.5 R59
English summary.
Veterinary Medicine
- 21305 ABDALLAH, I. S. A. Vergleichende Untersuchungen mit der Agargel-Präzipitation und dem indirekten Haemagglutinationstest nach Segre in einer modifizierten Form bei der Diagnose der Schweinepest [Comparative investigations with the agargel-precipitation and with the hemagglutination test according to Segre in a modified form for the diagnosis of swine pest]. Hanover, Tierarztl. Hochsch. Inaug.-Diss. 18, 69 p. 1965. 41.2 H198
Bibliography, p. 57-69.
- 21306 ALBOIU, M., and others. Study of the possibilities of the transmission of hog cholera virus by sparrows. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):105-109. 1963, pub. 1965. 41.9 R863
V. Rusu, G. Birnaure, and N. Alexandru, joint authors.
English summary.
- 21307 ALLEN, C. E. Factors related to the deposition and nature of porcine muscle lipids. Diss. Abstr., Sect. B, 27(4):1006B. Oct. 1966. Z5055.U49D53
Meat production.
- 21308 BABA, S. P., BOHL, E. H., and MEYER, R. C. Infection of germfree pigs with a porcine enterovirus. Cornell Vet. 56(3):386-394. Ref. July 1966. 41.8 C03
- 21309 BALES, I., and others. Epizootiological and anatomical-clinical study of a focus of Aujeszky's disease and atypical hog cholera. (Rum) Rev. Zootec. Med. Vet. 16(8):42-48. Aug. 1966. 49 P943
I. Contiu, E. Miclea, E. Onet, M. Pop, and A. Moldovan, joint authors.
English summary.
- 21310 BAILEY, J. Hog cholera could be a dead disease; a summary of the efforts to completely eliminate a deadly killer. Farm Quart. 21(6): 48-49, 110-112. Winter 1966/67. 6 F22995
- 21311 BALDWIN, B. A., and INGRAM, D. L. Effects of cooling the hypothalamus in the pig. J. Physiol. 186(2):72P-73P. Oct. 1966. 447.8 J82
- 21312 BARZOI, D., LELUTTU, C., and SOTIRIU, E. Observations on some swine infections with two or three serotypes of Leptospira. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):287-297. 1963, pub. 1965. 41.9 R863
English summary.
- 21313 BATTE, E. G. New drug kills swine parasites. Res. Farming [N. C. Sta.] 24(4):7. Spring 1966. 100 N81R
Use of dichlorvos.
- 21314 BATTE, E. G., MONCOL, D. J., and BARBER, C. W. Prenatal infection with the swine kidney worm (Stephanurus dentatus) and associated lesions. Amer. Vet. Med. Ass. J. 149(6):758-765. Ref. Sept. 15, 1966. 41.8 Am3
- 21315 BEHRENS, H. Investigations on parasite infestation of swine. (Ge) Prakt. Tierarzt 47 (10):492-494. Ref. Oct. 1, 1966. 41.8 P882
- 21316 BERGMANN, G., and RETZLAFF, N. Is bacteriological meat inspection necessary in swine erysipelas and hog cholera? (Ge) Arch. Lebensmittelhgy. 17(7):158-159. July 1966. 41.8 L49
- 21317 BERNER, H. Rhinitis in herds with piglet influenza. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(19):371-376. Oct. 1, 1966. 41.8 B45
English summary.
- 21318 BICKNELL, E. J. Experimental ammonia toxicosis in the pig. Diss. Abstr., Sect. B, 27 (3):863B-864B. Sept. 1966. Z5055.U49D53
- 21319 BJORKLUND, N. E., OLSSON, B., and SÖRELIUS, L. Treatment of enzootic pneumonia of swine with spiramycin. (Sw) Svensk Veterinartidn. 18(12):364-367. Ref. June 1966. 41.9 Sv23
- 21320 BOHL, E. H., and KUMAGAI, T. The use of cell cultures for the study of TGE virus of swine. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:343-350. Ref. 1965, pub. 1966. 49.9 Un3R
- 21321 BORKOWSKA, B., TRUSZCZYNSKI, M., and KOGUT, L. The effect of bleedings and hyperimmunization with swine fever virus on the level of complement, hemolysin and physiological anti-bacterial antibodies in swine. (Pol) Pol. Arch. Weter. 10(1):19-25. Ref. 1966. 41.8 P76
English summary.
- 21322 BORNERT, D., and SEIDEL, H. Investigations on swine. XXII. Central arterial blood pressure of clinically healthy swine. (Ge) Arch. Exp. Veterinarmed. 20(5):541-544. Ref. June 1966. 41.8 Ex7
- 21323 BRAN, L., SUHACI, L., and URSACHE, R. On the innocuousness of the chick embryo culture of Aujeszky's vaccine and the excretion of virus by the vaccinated animals. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):121-131. Ref. 1963, pub. 1965. 41.9 R863
English summary.
Swine.
- 21324 BRAN, L., and others. Study of the maternal immunity to the hog cholera transmitted to baby pigs and its influence on their active immunization. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):39-53. Ref. 1963, pub. 1965. 41.9 R863
S. Mihaita, M. Popa, T. Albu, M. Alboiu, S. Tibrea, I. Marinescu, I. Manoiu and G. Birnaure, joint authors.
English summary.
- 21325 BRAN, L., and others. Tests with a nonpathogenic lapinized hog cholera virus strain. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):55-77. 1963, pub. 1965. 41.9 R863
S. Mihaita, T. Albu, M. Popa, and D. Draghici, joint authors.
English summary.
- 21326 CAMPBELL, A. D. Swine fever; the eradication programme in Great Britain 1963 to 1965. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:390-409, map. 1965, pub. 1966. 49.9 Un3R

- 21327 CAREBRY, E. A., and others. Technical aspects of tissue culture fluorescent antibody technique. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:487-500. 1965, pub. 1966. 49.9 Un3R.
W. C. Stewart, J. I. Kresse, and L. R. Lee, joint authors.
For the detection of hog cholera virus.
- 21328 CARSTET, I., COMAN, I., and DRAGHICI, D. The isolation and identification of the viruses of the intestines of swine in People's Republic Rumania. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):219-224. Ref. 1963, pub. 1965. 41.9 R863
English summary.
- 21329 CLEFFI, F. Vaccination of swine against leptospirosis (practical note). (It) Clin. Vet. 89 (7):215-218. Ref. July 1966. 41.8 C61
English summary.
- 21330 COTTEREAU, P. Diseases of baby pigs. (Fr) Soc. Vet. Prae. France Bull. Mens. 49(5):140-178. May 1965. 41.9 S012
Includes discussion.
- 21331 CRUM, R. C. Serum lipid patterns of growing pigs during fat absorption. Diss. Abstr., Sect. B, 27(3):655B. Sept. 1966. Z5055,U49D53
- 21332 DAVIDSON, J. B., and SUTHERLAND, I. H. Gastro-intestinal helminths in the pig and their treatment. Irish Vet. J. (n.s.)20(6):107-108. Ref. June 1966. 41.8 Ir4
- 21333 DENEV, Y. Infectiousness of earthworms with Metastrongylidae larvae. (Bu) Vet. Med. Nauk. 3(5):493-498. Ref. 1966. 41.8 V6468
English summary.
Transmitted to swine.
- 21334 DOBIE, J. B., and others. Effect of air ions on swine and poultry. Amer. Soc. Agr. Eng. Pap. 354, 20 p. Ref. 1966. 290.9 Am32P
T. E. Bond, R. L. Givens, H. Heitman, F. C. Jacob, C. F. Kelly, C. M. Sprock, and W. O. Wilson, joint authors.
- 21335 DRAGHICI, D., and others. Study of the immunization of swine with a weak vaccine strain of *Salmonella cholerae suis*. I. Pathogenesis and establishment of the strain after repeated inoculations on the swine. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):265-275. Ref. 1963, pub. 1965. 41.9 R863
L. Mintzer-Morgenstern, D. Barzoi, and C. Ungureanu, joint authors.
English summary.
- 21336 DUNCAN, W. R. H., and GARTON, G. A. The component fatty acids of the colostrum fat and milk fat of the sow. J. Dairy Res. 33(3):255-259. Ref. Oct. 1966. 44.8 J823
- 21337 DUNNE, H. W. The control of pig diseases by immunization. Cornell Vet. 56(2):293-299. Apr. 1966. 41.8 C81
- 21338 ERIKSEN, S. The hog health market: danger lurking? Feed Farm Supplier 40(11):64,66-68. Nov. 1966. 47.8 H28
Prevention and control of diseases.
- 21339 ERNE, K. Studies on the animal metabolism of phenoxacetic herbicides. Acta Vet. Scand. 7(3):264-271. Ref. 1966. 41.8 Ac87
Chiefly effects of 2,4-D on pigs.
- 21340 FORREST, J. C. Physiology of porcine animals as related to physicochemical post-mortem properties of striated muscle. Diss. Abstr., Sect. B, 27(4):1268B-1269B. Oct. 1966. Z5055,U49D53
- 21341 FÜROWICZ, A. Serotypes of *Escherichia coli* connected with diseases of piglets. II. (Pol) Med. Weter. 22(9):522-525. Ref. Sept. 1966. 41.8 M463
- 21342 GAAFAAR, S. M. Piperazine as anthelmintic in swine practice. (Ge) Prakt. Tierarztl. 47 (10):494-495. (Cont.) Oct. 1, 1966. 41.8 P882
- 21343 GALLO, F. Lung edema in swine and treatment of it by the mixture of Pipolphen and Novurit. (Hu) Magyar Allatorv. Lapja 21(6):253-255. June 1966. 41.8 V644
English summary.
The antihistamine, promethazine hydrochloride, combined with the diuretic, sodium salt of Mercurin.
- 21344 GALLO, F. Observations on the virus diarrhoea of piglets. (Hu) Magyar Allatorv. Lapja 21(10):465-466. Oct. 1966. 41.8 V644
English summary.
- 21345 GALLO, F. Removal of foreign object from the esophagus of swine. (Hu) Magyar Allatorv. Lapja 21(10):466. Oct. 1966. 41.8 V644
- 21346 GEORGIEV, I., and others. Effect of vitamin D₂ and ultraviolet rays on the growth and development of piglets. (Bu) Zhivotovudni Nauk. 3(3):381-387. Ref. 1966. 49 Z65
S. Beremski, V. Tomov, and T. Vulov, joint authors.
German summary.
- 21347 GLAWISCHNIG, E. Serum proteins in iron deficiency of piglets. (Ge) Deut. Tierarztl. Wochenschr. 73(18):452,457-458. Ref. Sept. 15, 1966. 41.8 D482
English summary.
- 21348 GOSSLING, J., and RHOADES, H. E. Serologic types of *Escherichia coli* isolated from certain pigs with enteric disorders. Cornell Vet. 56 (3):344-353. Ref. July 1966. 41.8 C81
- 21349 HEUSCHELE, W. P., and COGGINS, L. Studies on the transmission of African swine fever virus by arthropods. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:94-100. Ref. 1965, pub. 1966. 49.9 Un3R
East Africa.
- 21350 HOLMES, C. W., and MOUNT, L. E. Heat loss from young pigs, individually and in groups, at ambient temperatures of 9, 20 and 30°C. J. Physiol. 186(2):75P-77P. Oct. 1966. 447.8 J82
- 21351 HOOPEER, B. E. Transmissible gastroenteritis of swine: studies on the pathogenesis. Diss. Abstr., Sect. B, 27(2):527B-528B. Aug. 1966. Z5055,U49D53
- 21352 HORSZCZARUK, T., and SŁJWOWACKI, K. Decomposition of crude fiber in the caecum and colon of pigs. (Pol) Roczn. Nauk Roln. 89-B-1: 67-71. 1966. 20.5 R59
English summary.
Alfalfa meal and ground cellulose used in the experiment with Large White barrows having permanent cecum and colon fistulae.
- 21353 HUBRIC, T., KIELSTEIN, P., and SCHIMMEL, D. Specific pathogen-free piglet rearing influences the control of infectious atrophic rhinitis and enzootic pneumonia in pigs. (Ge) Monatsh. Veterinarmed. 21(14):528-531. July 15, 1966. 41.8 M742
English summary.
- 21354 HUNTER, R. H. F. The effect of superovulation on fertilisation and embryonic survival in the pig. Anim. Prod. 8(3):457-465. Ref. Oct. 1966. 49 An55
- 21355 IVANOVA, P. S., and MANDRUSOV, A. F. Treatment and chemoprophylaxis in the case of coccidiosis of baby pigs. (Rus) Veterinariya 6:49-50. June 1966. 41.8 V6426
- 21356 JACOB, P. Essais sur la destruction de la flore intestinale du porc; implantation d'une souche selectionnee d'*Escherichia coli* [Trials on the destruction of swine intestinal flora; implantation of a selected strain of *Escherichia coli*]. Alfort. Ecole Nat. Vet. These 61,59 p. Ref. 1965. 41.2 AL23
- 21357 JANOWSKI, H., and others. Investigations on infectious atrophic rhinitis in pigs. (Pol) Med. Weter. 22(8):466-471. Ref. Aug. 1966. 41.8 M463
W. Rulska, T. Zulinski, and L. Szulc, joint authors.
English summary.
- 21358 KOHLER, H. Investigations on clarifying mortality cases of swine following injections of iron complex compounds. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(17):337-340. (Cont.) Sept. 1, 1966. 41.8 B45
- 21359 KOSSOW, D. Untersuchungen über postoperative Elektrolytveränderungen bei Schweinen mit und ohne ACTH-Applikation (Plasma-Kalium-, Natrium und Chlor-, Erythrozyten-Kalium und -Natrium) [Investigations on postoperative electrolyte changes in swine with and without ACTH application (plasma potassium, sodium and chlorine; erythrocyte potassium and sodium)]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 29,40 p. 1965. 41.2 H198
Bibliography, p.36-40.

- 21360 KRETZSCHMAR, C. Experiences in breeding primary cell cultures from animal raw material with special emphasis on kidney cell cultures of slaughter swine. (Ge) Arch. Exp. Veterinarmed. 20(3):513-522. June 1966. 41.8 Ex7
- 21361 KURZWEG, W. Investigations on the effect of the anabolite "Turinabol" on the growth and fattening results in swine. (Ge) Arch. Exp. Veterinarmed. 20(3):501-512. Ref. June 1966. 41.8 Ex7
- 21362 LAGANOVSKII, S., and SAULITE, E. Role of trichomonads in the etiology of infectious atrophic rhinitis of swine. (Rus) Latv. PSR Zinat. Akad. Vestis 12:67-70. Ref. 1965. 511 R442
- 21363 LEGGE, A. J., and MOUNT, L. E. The use of a thermal gradient layer in the measurement of heat loss from new-born pigs to the floor. J. Physiol. 186(2):77P-78P. Oct. 1966. 447.8 J82
- 21364 LELYAKIN, M. Use of arsenic to stimulate disease resistance in swine. (Rus) Sel'sk'okhoz. Proizv. Sibiri Dal'nego Vostoka 9:44-45. 1966. 281.8 Se44
- 21365 LIPTRAP, R. M., and RAESIDE, J. I. Luteinizing hormone activity in blood and urinary oestrogen excretion by the sow at oestrus and ovulation. J. Reprod. Fertil. 11(3):439-446. Ref. June 1966. 442.8 J8222
- 21366 LODETTI, E., and PRATO, A. DAL. Occurrence of Aujeszky's disease in pigs of Lombardy and Emilia. Vet. Ital. 17(7/8):411-415. Ref., p.406-410. July/Aug. 1966. 41.8 C87
Text also in Italian, p.395-410.
- 21367 MARINESCU, I., DABJIA, G., and POPA, C. Study of the dynamics of the total and fractional proteins during repeated bleedings of swine for the production of hog cholera antiserum. (Rum) Rev. Zooteh. Med. Vet. 16(8):63-68. Ref. Aug. 1966. 49 P943
English summary.
- 21368 MCKINNON, G. A., and LUBINSKY, G. A. The occurrence of dermomyositis of ascarids in Canada. Can. J. Zool. 44(6):1090-1091. Nov. 1966. 470 C16D
Pig ascarids.
- 21369 MEYER, R. C., and others. The prevalence in Illinois swine of neutralizing antibody to a porcine enterovirus, ECP0-6. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:337-342, map. Ref. 1965, pub. 1966. 49.9 Un3R
G. T. Woods, L. E. Hanson, and J. O. Alberts, joint authors.
- 21370 MICHEL, M. C. Metabolism of the intestinal flora of the pig; breakdown of amino acids L and D. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):33-46. Ref. 1966. 442.8 An75
English summary.
- 21371 MICKWITZ, C. U. VON. Materials on the occurrence of congenital foot-and-mouth disease in the pig. 18 p. Transl. 16079
Translation from Monatshfte fur Veterinarmedizin 20(17/18):774-778. 1965.
- 21372 MOORE, R. W., LIVINGSTON, C. W., and REDMOND, H. E. Cultural and serologic techniques for the differential diagnosis of Mycoplasma in swine. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:480-486. 1965, pub. 1966. 49.9 Un3R
- 21373 MORRISON, S. R., BOND, T. E., and HEITMAN, H. Skin and lung moisture loss from swine. Amer. Soc. Agr. Eng. Pap. 441, 12 p. Ref. 1966. 290.9 Am32P
- 21374 MULHERN, F. J. FAO/OIE International Meeting on Hog Cholera and African Swine Fever. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:382-384. 1965, pub. 1966. 49.9 Un3R
- 21375 MUNDT, S. Die alpha-Amylaseaktivitätsbestimmung in Serum und Pankreas vom Schwein als diagnostisches Hilfsmittel bei der Schweinepest [Determination of alpha-amylase activity in serum and pancreas of swine as diagnostic aid in swine pest]. Hannover. Tierarztl. Hochsch. Inaug.-Diss. 35, 67 p. 1965. 41.2 H198
Bibliography, p.51-67.
- 21376 NAIDENOV, N. Research into the toxicity of tetramethyl thiuram disulphide (TMTD) and experiments with consuming feeds treated with it. (Bu) Vet. Med. Nauk. 3(6):601-607. 1966. 41.8 V6468
English summary.
Experiments with pigs.
- 21377 NEILL, J. D. The effects of induced ovulation on maintenance of corpora lutea in the pregnant pig. Diss. Abstr., Sect. B, 27(4):1272B-1273B. Oct. 1966. Z5055.U49D53
- 21378 NICOLET, J., and KONIG, H. Haemophilus pleuropneumonia of swine, bacteriological, pathological, anatomical and histological findings; preliminary report. (Ge) Pathol. Microbiol. 29(3):301-306. 1966. 448.8 Sch9
English summary.
Haemophilus parahaemolyticus.
- 21379 NILSSON, O. Prevention of anemia of baby pigs. (Sw) Svensk Veterinaridn. 18(18):536-538. Sept. 1966. 41.9 Sv23
Method of supplying iron.
- 21380 OLSSON, T. Intestinal disturbances of swine—prophylaxis and therapy with Lactobacillus acidophilus. (Sw) Svensk Veterinaridn. 18(12):355-363. Ref. June 1966. 41.9 Sv23
English summary.
Treatment of scours and enteritis.
- 21381 PEACOCK, G. V. Hog cholera vaccines and immunity. Rome, 1965. 18 p. Ref. SF93P.4
- 21382 PEREGUD, N. L., and MASTYKO, G. S. Treatment of contaminated wounds in hogs with antibiotics and with closed suture of wounds. (Rus) Veterinariya 6:78-80. June 1966. 41.8 V6426
- 21383 PIATKOWSKI, B., and JUNG, H. Protein deposit in growing swine of different sexes and types. I. (Ge) Arch. Tierzucht 9(4):307-309. Ref. 1966. 49 Ar23
English summary.
Metabolism tests including nitrogen retention.
- 21384 PIERCE, A. E., and SMITH, M. W. The in vitro transfer of bovine immune lactoglobulin across small intestines of new-born pigs. J. Physiol. 186(2):85P-86P. Oct. 1966. 447.8 J82
- 21385 POLITYNSKA-BANAS, E. Susceptibility of various phago- and serotypes of Erysipelothrix insidiosa to antibiotics. Pulawy. Inst. Weter. Bull. 9(3):78-83. Ref. July/Sept. 1965. 41.9 P62
- 21386 PROCTOR, E. M., and ELSDON-DEW, R. Serological tests in porcine cysticercosis. S. Afr. J. Sci. 62(8):264-266. Aug. 1966. 515 So84
- 21387 PUJSZO, K. Investigation into meat connective tissue in pigs. I. Hydroxyproline content in some pig muscles. (Pol) Roczn. Nauk Roln. 89-B:161-66. Ref. 1966. 20.5 R59
English summary.
- 21388 RAY, D. E., and STEERLEY, R. W. Oestrus and ovarian morphology in gilts following treatment with orally effective steroids. Nature [London] 211(5053):1102-1103. Sept. 3, 1966. 472 N21
- 21389 RHODES, M. B., MARSH, C. L., and FERGUSON, D. L. Studies in helminth enzymology. V. Exp. Parasitol. 19(1):42-51. Ref. Aug. 1966. 436.8 Ex7
In Ascaris suum.
- 21390 SALMON-LEGAGNEUR, E. Sanitary problems associated with swine raising methods. (Fr) Econ. Med. Anim. 7(3):138-160. Ref. May/June 1966. 41.8 Ec7
Chiefly diseases control.
- 21391 SCHOMBERG, D. W., and others. Metabolites of progesterone in urine compared with progesterone in ovarian venous plasma of the cycling-domestic sow. J. Anim. Sci. 25(4):1181-1185. Ref. Nov. 1966. 49 J82
P. H. Jones, R. E. Erb, and W. R. Gomes, joint authors.
- 21392 SHEFFY, B. E. Characterization of transmissible gastroenteritis virus. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:351-363. Ref. 1965, pub. 1966. 49.9 Un3R
In swine.

- 21393 SHUMAN, R. D., and WOOD, R. L. Swine abscesses caused by Lancefield's group E streptococci. I. An approach to their detection by in seridernic and serologic tests. Cornell Vet. 56 (2):242-250. Ref. Apr. 1966. 41.8 C81
- 21394 SIRBU, Z., IEREMIA, D., and BONA, C. Application of the immunofluorescent test in the diagnosis of hog cholera. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2 (1):95-104. Ref. 1963, pub. 1965. 41.9 R863 English summary.
- 21395 STANT, E. G. Relationship between changes in body composition and potassium content of the growing pig. Diss. Abstr., Sect. B, 27(2):344B. Aug. 1966. Z5055, U49D53
- 21396 STEINHARDT, M., and LYHS, L. Heart activity, blood pressure, and temperatures in various body tissues of pigs in exogenic hyperthermia. (Ge) Monatsh. Veterinarmed. 21(18):705-712. Ref. Sept. 15, 1966. 41.8 M742 English summary.
- 21397 STOENESCU, A., and MINASCURTA, C. Efficiency of the immunization of swine against leptospirosis under field conditions. (Rum) Rev. Zooteh. Med. Vet. 16(8):49-55. Ref. Aug. 1966. 49 P943 English summary.
- 21398 STREETER, D. D., and BASSETT, D. L. An engineering analysis of myocardial fiber orientation in pig's left ventricle in systole. Anat. Rec. 155(4):503-511. Aug. 1966. 447.8 An1
- 21399 SULLIVAN, D. J., and SHORT, C. E. Botryomycotic spondylitis and transverse myelitis in a sow. Cornell Vet. 56(3):356-364. Ref. July 1966. 41.8 C81 Due to Staphylococcus albus.
- 21400 SWART, F. W. J. Can supplementation of pig rations with copper sulfate cause intoxication or diarrhea? (Du) Tijdschr. Diergeneesk. 91 (21):1331-1340. Ref. Nov. 1, 1966. 41.8 T431 English summary.
- 21401 TANNER, S. C. Minor disease control. Hog Prod. 2(9):11-12. Nov. 1966. 46.8 H675 In Canada.
- 21402 TANNER, S. C. The roundworm, the nodular worm. IV. Treatment & elimination. Hog Prod. 2(8):5-6. Oct. 1966. 46.8 H675 In Canada.
- 21403 TOPEL, D. G., and MERKEL, R. A. Effect of exogenous goitrogens upon some physical and biochemical properties of porcine muscle and adrenal gland. J. Anim. Sci. 25(4):1154-1158. Ref. Nov. 1966. 49 J82 Methylthiouracil and tapazole.
- 21404 TRÁVNÍČEK, J. Allotypic specificities in pigs. II. Types of frequency of allotypic specificities of gamma M globulin in pigs. Folia Microbiol. 11(5):406-407. 1966. 448.3 C332
- 21405 TRUSZCZYŃSKI, M., KOGUT, L., and BORKOWSKA, B. Effects of hog cholera infections on indices of natural immunity in swine. Pulawy. Inst. Weter. Bull. 9(3):99-102. Ref. July/Sept. 1965. 41.9 P962
- 21406 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON THE NATIONWIDE ERADICATION OF HOG CHOLERA. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:418-420. 1965, pub. 1966. 49.9 Un3R C. L. Campbell, chairman.
- 21407 UNITED STATES LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF SWINE. Report. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:364-365. 1965, pub. 1966. 49.9 Un3R D. P. Gustafson, chairman.
- 21408 VETTERLING, J. M. Prevalence of coccidia in swine from six localities in the United States. Cornell Vet. 56(2):155-166. Ref. Apr. 1966. 41.8 C81
- 21409 VICARD, R., and DAVID, G. Pulverized charcoal as a regulating agent in intestinal fermentation of swine. (Fr) Soc. Vet. Prat. France. Bull. Mens. 49(10):344-351. Dec. 1965. 41.9 S312 Includes discussion; and further discussion, 50(2):136-137. Feb. 1966.
- 21410 VODOVÁR, N., and FLECHON, J. E. The ultrastructure of the intestinal absorptive epithelial cells in the pig. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):13-31. Ref. 1966. 442.8 An75 English summary.
- 21411 WĄSINSKI, K., and KOWALIK, B. Influence of spraying drying on the serological and immunological properties of erysipelas serum. (Pol) Pol. Arch. Weter. 9(4):679-690. Ref. 1966. 41.8 P76 English summary.
- 21412 WEISSER, W. Development of secondary piglets free from epidemics in a control herd during the breeding period. (Ge) Berliner Monatsh. Tierarztl. Wochenschr. 79(19):378-381. Ref. Oct. 1, 1966. 41.8 B45 English summary.
- 21413 WISE, G. H. Status of State-Federal Hog Cholera Eradication Program. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:410-417, map. 1965, pub. 1966. 49.9 Un3R
- 21414 WYNOHRADNYK, V., CIRSETI, I., and CO-MAN, I. Study of the hog cholera immunization of baby pigs farrowed by sows vaccinated against the disease during pregnancy. (Rum) Rum. Inst. Cercet. Vet. Bioprep. "Pasteur." Lucrarile 2(1):79-87. Ref. 1963, pub. 1965. 41.9 R863 English summary.
- 21415 YOUNG, L. G. Oral or injectable iron? Hog Prod. 2(9):13-14. Nov. 1966. 46.8 H675 To prevent anemia.
- 21416 ZINOBER, M. R. Preliminary report on reactions of pigs to sub-lethal doses of virulent hog cholera virus. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:366-381. 1965, pub. 1966. 49.9 Un3R
- 21417 ZIOLECKA, A. Estimation of nitrogen losses during drying the pig faeces. (Pol) Roczn. Nauk Roln. 89-B:145-51. 1966. 20.5 R59 English summary.

Miscellaneous

- 21418 ACHTZEHN, W. Raising piglets by hand—is it a means of overcoming chronic diseases of pigs in large herdbrook stocks? (Ge) Monatsh. Veterinarmed. 21(14):525-528. July 15, 1966. 41.8 M742 English summary.
- 21419 BARTOS, L. The history of the establishment and the development of the existing slaughterhouses in Budapest. II. The pig slaughterhouse. (Hu) Husipar 15(5):229-233. Sept./Oct. 1966. 50.8 H95 English summary.
- 21420 DANNENBERG, H. D., and RICHTER, W. Data evaluation in the pig health service of the district of Potsdam by means of computers. (Ge) Monatsh. Veterinarmed. 21(14):533-536. July 15, 1966. 41.8 M742 English summary.
- 21421 FEHER, K. Kocartartas, malacnevels [Sow keeping, piglet rearing]. Budapest, Mezőgazdasági Kiadó, 1966. 171 p. (A Magyar Mezőgazdaság Szakkönyvtára) SF396.H84
- 21422 FISHWICK, V. C. Pigs: their breeding, feeding and management. Ed. 9, rev. London, Lockwood, 1965. 287 p. (Agricultural and Horticultural Series) SF396.G7F5
- 21423 GEORGIA, AGRICULTURAL EXPERIMENT STATION. Progress report and swine field day. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 253, 36 p. July 1966. 100 G293M Chiefly meat production.
- 21424 HOUNDEGLA, P. Les perspectives de production porcine au Dahomey [Perspectives in swine production in Dahomey]. Alfort. Ecole Nat. Vet. These 67, 95 p., map. Ref. 1966. 41.2 AL23
- 21425 JUCKER, H. Prior experiences on the swine raising and fattening farm. (Ge) Grune 94(44):1609-1611. Nov. 4, 1966. 17 Sch9 Switzerland.

- 21426 KALICH, J. Current hygienic problems in swine rearing. (Hu) Magyar Allatorv. Lapja 21(10):469-471. Oct.1966. 41.8 V644
- 21427 KELLER, H. The American process for obtaining healthy piglets. (Ge) Grume 94(44): 1606-1608. Nov.4,1966. 17 Sch9
- 21428 KNAP, J. Ethology and daily movement observations in swine fattening with emphasis on number and weight of the animal as well as on feeding technology. (Ge) Arch. Tierzucht 9(4): 351-355. 1966. 49 Ar23
English summary.
- 21429 MALE, J. P. VAN. The swine research center "Nieus Dalland." (Du) Veeteelt Zuivelber. 9 (4):184-186. Apr.1966. 49 V51
- 21430 MARTIN, A. H., and EREDEEN, H. T. Radiography of the live animal as a technique for predicting carcass characteristics in swine. Can. J. Anim. Sci. 46(2):83-89. Ref. Aug. 1966. 41.8 C163
- 21431 ORSKOV, E. R., and HOLLIER, D. A. A note on the correlations between measurements on photographs of the cut sides of Wiltshire bacon and on the live pig or newly slaughtered carcass. Anim. Prod. 8(3):507-510. Oct.1966. 49 An55
- 21432 OSINGA, A. Climate and swine. (Du) Veeteelt Zuivelber. 9(5):215-221. May 1966. 49 V51
Barn microclimate and animal temperature.
- 21433 PEARSON, A. M., and others. Effect of environmental temperature and thiouracil feeding upon growing-fattening pigs. J. Anim. Sci. 25 (4):994-999. Ref. Nov.1966. 49 J82
E. P. Reineke, J. A. Hoefer, and R. E. Morrow, joint authors.
- 21434 PORZIG, E., and WINKLER, W. An ethologic contribution to behavioral disturbances in modern meat swine. (Ge) Tierzucht 20(8):425-428. Aug.1966. 49 T443
- 21435 SCHMITT, G. From the work of fattening testing rings of central Franconia. 1. (Ge) Unser Milchvieh 18(9):11-12. Sept.1966. 43.8 Un7
- 21436 SCHMITT, G. From the work of fattening testing rings of central Franconia. (Ge) Unser Milchvieh 18(10):11-12. Oct.1966. 43.8 Un7
Swine.
- 21437 SZUCS, A., HEGEDUS, L., and ZELENAK, F. Modern electric pig-stunning technology. II. (Hu) Husipar 15(5):193-196. Sept./Oct.1966. 50.8 H95
English summary.
- 21438 TENNESSEE, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Tennessee's 1966 junior market hog shows and sales. Tenn. Univ. Ext. SP 151,6 p.-folder. Nov.1965. 275.29 T25Sp
For 4-H Clubs and Future Farmers of America members.
- 21439 VAGVOLGYI, O. Conclusions for the meat industry to be drawn from the quality distribution and slaughter weight of slaughter swine. (Hu) Husipar 15(5):223-228. Sept./Oct.1966. 50.8 H95
English summary.
- 21440 VANGELOV, K., and ANGELOV, I. Effect of sex and castration on the fattening of young Swedish Landrace pigs. (Bu) Zhivotnovudni Nauk. 2(5):651-659. Ref. 1965. 49 Z65
German summary.
- 21441 VARGA, GY. Swine rearing in Bulgaria. (Hu) Gazdalkodas 10(5):89-92. Oct.1966. 281.8 G25

ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 21442 ALBRECHT, C. F. Curriculum needs of agricultural engineering technicians/technologists. Amer. Soc. Agr. Eng. Pap. 520,6 p. 1966. 290.9 Am32P
- 21443 AMERICAN SOCIETY OF CIVIL ENGINEERS. Transactions. Volume 131. 1966. New York, 1966. 978 p. Ref. 290.9 Am3
Digests of papers; includes agricultural engineering.
- 21444 BERMEO JUZUAZUA, A. Manual practico del mecanico agricola [Practical manual for the agricultural mechanic]. Ed. 4, rev. and enl. Madrid, Ministerio de Agricultura, 1965. 1231 p. S675.B4
Bibliography, p.1209-1223.
Farm shops, motors, tractor and farm equipment maintenance.
- 21445 FORE, J. M. Curriculum needs of agricultural engineering technicians/technologists. Amer. Soc. Agr. Eng. Pap. 521,10 p. 1966. 290.9 Am32P
- 21446 FOSS, E. W. Instructor training considerations for agricultural engineering technician/technologists. Amer. Soc. Agr. Eng. Pap. 518,14 p. 1966. 290.9 Am32P
- 21447 GEYER, F. P. Stochastic mathematical models for describing research phenomenon. Amer. Soc. Agr. Eng. Pap. 514,6 p. 1966. 290.9 Am32P
- 21448 HUNT, D. What is an agricultural engineering technician/technologist? Amer. Soc. Agr. Eng. Pap. 517,10 p. 1966. 290.9 Am32P
- 21449 MERSON, J. F. Who should educate the agricultural engineering technician/technologist? Amer. Soc. Agr. Eng. Pap. 519,3 p. 1966. 290.9 Am32P
- 21450 PETERSEN, R. Degrees, limits and possibilities in agricultural development in the world. (Ge) Landmasch.-Markt 45(24):1509-1511. Nov.23,1966. 58.8 L239
Engineering.
- 21451 SCHICK, R. Training and post-graduate education of agricultural engineering personnel. (Ge) Deut. Agrartech. 16(10):443-444. Oct. 1966. 58.8 D482
- 21452 SCHROEDER, M. E. Biological engineering applications of dynamic programming. Amer. Soc. Agr. Eng. Pap. 513,19 p. Ref.p.16-19. 1966. 290.9 Am32P
- 21453 STAL, H. P. The analogue computer and some examples of its application in engineering. (Ge) Grundlagen Landtech. 16(1):18-24. 1966. 58.8 G92
English summary, following content page.
- 21454 STROPPEL, T., and THIELE, W. Agricultural engineering theses and inaugural dissertations, 1946-1966. 1. (Ge) Grundlagen Landtech. 16(3):123-128. 1966. 58.8 G92
- 21455 STROPPEL, T., and THIELE, W. Agricultural engineering theses and inaugural dissertations, 1946-1966. 2. (Ge) Grundlagen Landtech. 16(4):162-168. 1966. 58.8 G92
- 21456 THOMPSON, T. L., and PEART, R. M. Useful search techniques to save research time. Amer. Soc. Agr. Eng. Pap. 512,24 p. 1966. 290.9 Am32P
In agricultural engineering.
- 21457 WHITE, G. R. An agricultural mechanic's experience in industry. Amer. Soc. Agr. Eng. Pap. 523,3 p. 1966. 290.9 Am32P
- 21458 YOUNG, D. F. Simulation and modeling techniques. Amer. Soc. Agr. Eng. Pap. 511,28 p. Ref. 1966. 290.9 Am32P
In engineering.
- 21459 BARILL, P. Considerations in used equipment marketing. I. (It) Trattorista 12(17):373-375. Sept.15,1966. 58.8 T69
- 21460 BURGHAESEN, R. Technique and spacing in potato culture. (Ge) Deut. Agrartech. 16(10):474-476. Oct.1966. 58.8 D482
Mechanization and double row growing.
- 21461 CHAMBLISS, R. L. Farm machinery uses. Va. Polytech. Inst. Ext. Va. Farm Econ. 199:13-15. Sept./Oct.1966. 275.29 V813
- 21462 CONTESTABILE, O. Agricultural mechanization; even in Imperia times are changing. (It) Riviera Fiori 20(9):11-12. Sept.1966. 287 R52
- 21463 DANILENKO, N. M. Tvorchestvo sel'skikh mekhanizatorov [Inventive works of the farm mechanics]. Leningrad, Lenizdat, 1965. 167 p. S760.R9T9
Operation and parts.
- 21464 DAUM, D. R., and PUCKETT, H. B. A stepless variable-speed reducer. Amer. Soc. Agr. Eng. Pap. 306,11 p. 1966. 290.9 Am32P
Materials handling equipment.
- 21465 DESCENZA, D. F. Farm equipment makers feed the world--and fatten themselves. Mag. Wall St. 119(7):311-313,326-327. Dec.10,1966. 286.8 M27
- 21466 DIEMEL, H. Do we need machine tests? (Ge) Landmasch.-Markt 45(24):1514-1517. Nov.23, 1966. 58.8 L239
- 21467 DOHNE, E. The front loader in forage harvesting. (Ge) Landtechnik 21(21):742-744. Nov.1,1966. 58.8 L235
- 21468 DREVER, J. G. Selecting fork lift trucks. Agr. Gaz. New S. Wales 77(6):351-354. June 1966. 23 N472
Bulk handling of fruit and vegetables.
- 21469 ESTLER, M. In corn culture; development is still in full swing. (Ge) Landtechnik 21(15):533-534,536-636. Aug.1,1966. 58.8 L235
Mechanization.
- 21470 FELFOLDI, J. Some problems of equipment maintenance. (Hu) Magyar Mezőgazdaság 21(40):9-10. Oct.5,1966. 19 M27
- 21471 GAHDE, E. Effective scheme of wages and bonuses in the training of apprentices. (Ge) Deut. Agrartech. 16(10):445-446. Oct.1966. 58.8 D482
For equipment maintenance.
- 21472 GLASS, M. R. Adjustment needed in the farm equipment industry? Va. Polytech. Inst. Ext. Va. Farm Econ. 199:15-17. Sept./Oct.1966. 275.29 V813
- 21473 GOTZ, W. From fork and bucket to automation. (Ge) Landmasch.-Markt 45(24):1551-1553. Nov.23,1966. 58.8 L239
Cattle mechanization.
- 21474 HEFTI, J. Mechanization in slope. 2. (Ge) Traktor Landmasch. 28(12):745-752. Sept.2, 1966. 58.8 T678AG
- 21475 HINSON, T. Pans for top-of-range cookery. N. C. Univ. Ext. Home Econ. 31,6 p.-folder. May 1966. 275.29 N81Hm
- 21476 HUNT, D. A Fortran [Formula Translation] program for selecting farm equipment. Amer. Soc. Agr. Eng. Pap. 514,19 p. 1966. 290.9 Am32P
- 21477 ILLES, T. Maintenance of machine, a useful time spent in fall work. (Hu) Magyar Mezőgazdaság 21(44):7-8. Nov.2,1966. 19 M27
- 21478 ISRAEL, MINISTRY OF AGRICULTURE, EXTENSION SERV. VEGETABLE DIV. Potatoes, new methods and machines. (He) Israel. Min. Agr. Ext. Serv. Agr. Publ. Div. [Publ.] 70,72 p. Jan.1966. 275.249 I57
Chiefly equipment.
- 21479 JETTER, K. The internationalism of farm equipment industry. (Ge) Landmasch.-Markt 45(24):1511-1513. Nov.23,1966. 58.8 L239
Marketing and trade.
- 21480 KAMPE, G. Synchronization of hydraulic motors in turf machinery construction. (Ge) Grundlagen Landtech. 16(3):105-108. 1966. 58.8 G92
English summary, following content page.

- 21481 KHRISTOVICH, L., and KUMANOV, B. Problems of technology of vegetable production. (Bu) Selskostopanska Nauk. 5(3):51-59. Ref. 1966. 21 Se492
Mechanization.
- 21482 KOZAK, A. Transporting device for the spatial furtherance of goods (produce). (Hu) Jarmuvek, Mezogazdasagi Gepek 13(10):385-397. Oct.1966. 58.8 J29
English summary, p.4 of content.
Includes conveyors.
- 21483 LEHOCZKY, L. The effect of mechanization on the economy of production. (Hu) Magyar Mezogazdasag 21(41):12. Oct.12,1966. 19 M27
- 21484 MAGNO, C. L. Let's mechanize our tobacco farms. Philippine Tobacco Rev. 3(1):23-24. Jan./Apr.1966. 286.89 P53
- 21485 MEIER, F. The development of the German farm equipment and tractor industry. (Ge) Landmasch.-Markt 45(24):1478-1480,1483-1485, map. Nov.23,1966. 58.8 L239
- 21486 MESZAROS, I. Field machines in the German Democratic Republic. (Hu) Mezogazdasagi Vilagirodalom 8(5):435-438. 1966. 19 M577
- 21487 MORIKAWA, Y. Pressure drop and particle motion in pipe bends of pneumatic conveyors at a small loading. (Ge) Grundlagen Landtech. 16(2):65-69. Ref. 1966. 58.8 G92
English summary, following content page.
- 21488 NOWACKI, T. A method for determining the effectiveness of technological processes in agriculture. (Ge) Deut. Agrartech. 16(10):450-452. Oct.1966. 58.8 D482
- 21489 PATKOS, I. Mechanization possibilities of our existing dairy farms. (Hu) Gazdalkodas 10(5):59-72. Oct.1966. 281.8 G25
English summary.
- 21490 PICHON, J. D. Automatic crop production systems. Amer. Soc. Agr. Eng. Pap. 159,9 p. Ref. 1966. 290.9 Am32P
In field work.
- 21491 PREUSCHEN, G. The road of agricultural engineering. (Ge) Landmasch.-Markt 45(24):1505-1509. Nov.23,1966. 58.8 L239
Mechanization history.
- 21492 PUCKETT, H. B., and KLUETER, H. H. Auger-feed injector for pneumatic conveyor. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):406-408. 1966. 290.9 Am32T
- 21493 ROHNER, J. Farm machinery business and handicraft—medium between industry and agriculture. (Ge) Landmasch.-Markt 45(24):1486-1490,1493, map. Nov.23,1966. 58.8 L239
- 21494 ROMANELLO, G. Mechanization creates new problems. (It) Ezzo Agr. 15(4):20-21. Aug.1, 1966. 58.8 Es7
- 21495 RUNKL, P., and BORNCHEN, H. Plastics in agricultural machine and tractor building. IV. (Ge) Deut. Agrartech. 16(10):471-473. Oct. 1966. 58.8 D482
- 21496 SEVENTY-five years of agricultural engineering development. (Ge) Landmasch.-Markt 45(24):1495-1498. Nov.23,1966. 58.8 L239
Important dates in equipment history.
- 21497 SHIMONOVSKI, M. Development of the agricultural equipment industry in Czechoslovakia. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:93-96. 1966. 20 M57
- 21498 SIDEL'NIKOV, M. S. Accelerating technical production. (Rus) Traktory Sel'skhoz mashiny 9:1-3. Sept.1966. 58.8 T68
Mechanization policies.
- 21499 STEINMETZ, H. On the road to mechanization and automation in stall and yard work. (Ge) Landmasch.-Rundsch. 18(11):341-342,344,346. Nov.1966. 58.8 L237
Livestock.
- 21500 STOLL, W. Chances of medium and small enterprises in the development of new farm machinery. (Ge) Grundlagen Landtech. 16(1):1-8. 1966. 58.8 G92
English summary, following content page.
- 21501 SVEDSATER, S. A. Farm mechanization. (Sw) Goteborgs Bohus Lans Husallringssallsk. Arsboek 1966:24-29. 11 G712A
- 21502 TOLKACHEV, N. I. Praktikum po organizatsii i planirovaniyu proizvodstva v kolhozakh i sovkhozakh [Organization and planning of production on the collective and state farms; handbook]. Moskva, Kolos, 1966. 238 p. 5562.U4T6
Chiefly mechanization.
- 21503 VORNKAHL, W. Assessment of methods of farm mechanization within the framework of product research with the aid of computers. (Ge) Grundlagen Landtech. 16(1):25-29. Ref. 1966. 58.8 G92
English summary, following content page.
- 21504 WICKSTROM, G. Standard rates for machine work and basis for their calculation. (Sw) Tidkr. Lantman Andersfolk 20:458-459. Oct.30,1965. 20 T43
Finland.

Animal Husbandry Equipment

- 21505 ARKHANGEL'SKII, I. I., DANILENKO, I. P., and KOZIYANCHUK, A. YA. Steam sanitation of milking machines. (Rus) Veterinariya 6:98-102. June 1966. 41.8 V6426
- 21506 BARNARD, S. E. Proposed Northeast milking equipment standards. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:97-100. 1966. 44.9 N4833
- 21507 CHANCE, C. M. Sanitary milking equipment helps prevent mastitis. Md. Univ. Ext. Fact Sheet 179,4 p. Mar.1966. 275.29 M36Fa
- 21508 HANSEN, E. Technical feeding installations in swine stall. (Ge) Landtechnik 21(15):546-549. Aug.1,1966. 58.8 L235
- 21509 HILL, P. When should machines muscle in? Even small farms can afford to automate feeding. Farm Quart. 21(5):70-71,116,118,120. Fall 1966. 6 F22995
- 21510 HILLMAN, P. J. Mechanized feeding methods. 2. Farm Mech. 18(206):37-39. Oct.1966. 58.8 B772
Cattle.
- 21511 KOLAR, K., and SOUHRADE, J. Organization and economics of the machine milking of sheep. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(8):497-518. Aug.1966. 58.8 C333
English summary.
- 21512 KUZ'MIN, G., IGAEV, I., and FLERINSKII, V. Milk-meter for controlled milking. (Rus) Tekh. Sel'skom Khoz. 11:21-22. Nov.1966. 58.8 M11
- 21513 MCNAMARA, P. Individual sow feeders. West. Australia. Dep. Agr. J. (ser.4)7(7):302-303. July 1966. 23 W52j
- 21514 MULLER, K. Care and cleaning of milking machine. (Ge) Unser Milchvieh 18(9):7-8. Sept.1966. 43.8 Un7
- 21515 OTTO, F. K. Space and function program for farm building. (Ge) Tierzucht 18(21):742-744. Nov.5,1966. 49 T445
Cattle and swine housing.
- 21516 POELMA, H. R., and JONG, A. P. S. DE. Mechanisatie bij het voeren van mestvarkens [Mechanization of the feeding of fattening pigs]. Wageningen. Inst. Landbouwendrijfsgebouwen Publ. 30,20 p. 1966? 49.9 W12P
English summary.
- 21517 THOMPSON, T. L., and PEART, R. M. Simulation as a tool for predicting errors of feed meters. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):317-321. Ref. 1966. 290.9 Am32T
- 21519 TOWNSEND, J. S., and others. Milking machine research techniques. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):364-365,368. Ref. 1966. 290.9 Am32T
E. S. Shepardon, R. W. Guest, K. O. Switzer, E. B. Hundtoft, and W. F. Millier, joint authors.
- 21519 U. S. AGRICULTURAL RESEARCH SERV. Cattle dipping vat and inspection facility; co-operative farm building plan No. 5940. U. S. D. A. Misc. Publ. 1035,2 p. Sept.1966. 1 Ag84M

- 21520 WESTERN AUSTRALIA, DEPT. OF AGRICULTURE. Modified test cups give better back-flushing. West. Australia. Dep. Agr. J. (ser.4) 7(6):258-259. June 1966. 23 W52J

Cultivation and Tillage Equipment

- 21521 CAMELIN, R., and others. Influence of mechanization of spring tillage on sugar beet yields. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):815-832. June 15/22, 1966. 14 P215Bc
R. Chablay, R. Longchamp, R. Mesnard, and R. J. Gautheret, joint authors.
- 21522 FEUERLEIN, W. Pax arva colat. Landmasch.-Markt 45(24):1534-1536. Nov.23, 1966. 58.8 L239
Text in German.
History of plows.
- 21523 GARRETT, R. E. Device designed for synchronous thinning of plants. (Condensed.) Agr. Eng. 47(12):652-653. Dec. 1966. 58.8 Ag83
For field crops.
- 21524 KIM, L. KH. Semimounted plows for high-duty tractors. (Rus) Traktory Sel'khozmaschiny 9:47-48. Sept. 1966. 58.8 T68
- 21525 LARSON, L. W. Is there a future for vibratory tillage tools? Amer. Soc. Agr. Eng. Pap. 158, 4 p. Ref. 1966. 290.9 Am32P
- 21526 LARSON, L. W., LOVELY, W. G., and BOCKHOP, C. W. Predicting draft forces using model moldboard plows in agricultural soils. Amer. Soc. Agr. Eng. Pap. 127, 18 p. 1966. 290.9 Am32P
- 21527 LEPTER, W. A., and STAPLETON, H. N. Energy requirements for tillage systems in desert soils. Amer. Soc. Agr. Eng. Pap. 121, 12 p. 1966. 290.9 Am32P
- 21529 LORDKIPANIDZHE, T. G. Foundation for schematic drawing of tree pruning equipment. (Rus) Traktory Sel'khozmaschiny 10:30-32. Oct. 1966. 58.8 T68
- 21529 OEHRING, J. Can we attain still higher plow performance? (Ge) DLZ-Landtech. Z. 17(11):704-705. Nov. 1966. 58.8 T67
- 21530 REAVES, C. A., COOPER, A. W., and KUMMER, F. A. Similitude in performance studies of soil-chisel systems. Amer. Soc. Agr. Eng. Pap. 125, 14 p. 1966. 290.9 Am32P
Tillage equipment.
- 21531 REED, W. B. Techniques for determining an equation for the draft of cultivators using several independent variables. Amer. Soc. Agr. Eng. Pap. 123, 8 p. 1966. 290.9 Am32P
- 21532 SCHAFER, R. L., BOCKHOP, C. W., and LOVELY, W. G. Model-prototype studies of tillage implements. Amer. Soc. Agr. Eng. Pap. 126, 22 p. 1966. 290.9 Am32P
- 21533 SIEG, R. Experiences in the testing of intermediate axle and front loader hoes. (Ge) Traktor Landmasch. 28(12):707-711. Sept. 2, 1966. 58.8 T678Ag
- 21534 SMITH, E. M., VERMA, B. P., and TAYLOR, T. H. Energy required to operate a disk furrower in Kentucky bluegrass sod. Amer. Soc. Agr. Eng. Pap. 120, 22 p. Ref. 1966. 290.9 Am32P
- 21535 SOEHNE, W. H. Characterization of tillage-tools. Grundforbattering 19(1):31-48. 1966. 54.8 G92
- 21536 SPURLING, D. R. Grapevine trellis construction. S. Australia J. Agr. 70(1):8-13. Aug. 1966. 23 S084
- 21537 VAN STRAATEN, N. J. Weed control. Farming S. Afr. 42(5):42-45. Aug. 1966. 24 S0842
Equipment.
- 21539 VERESS, A. The quality of plowing. (Hu) Magyar Mezogazdasag 21(45):10-11. Nov. 9, 1966. 19 M27
Operation of plows.
- 21539 VORNAHL, W. Application of fundamental principles from foundation engineering to agricultural engineering soil mechanics. (Ge) Grundlagen Landtech. 16(3):114-119. Ref. 1966. 58.8 G92
English summary, following content page.
In relation to plows.

- 21540 WHITAKER, F. D., MCKIBBEN, J. S., and JONES, M. M. Reduced tillage in corn production. Mo. Agr. Exp. Sta. Bull. B852, 12 p. Mar. 5, 1966. 100 M693
U. S. Department of Agriculture, cooperating. Equipment.
- 21541 WILKINS, D. E., HARRIS, W. L., and TAYLOR, J. H. Effect of rate of displacement on shearing stress of soils as measured with a torsional shearing device. Amer. Soc. Agr. Eng. Pap. 144, 27 p. Ref. 1966. 290.9 Am32P
In tillage operations.
- 21542 YAKOVLEV, V. P., and VINOKUR, I. S. Automatic equipment for surfacing teeth of cotton cultivators. (Rus) Traktory Sel'khozmaschiny 11:47. Nov. 1966. 58.8 T68

Fertilizing and Planting Equipment

- 21543 BELODEDOV, V. A. Change of the seed inflow depending on planter speed. (Rus) Traktory Sel'khozmaschiny 10:18. Oct. 1966. 58.8 T68
- 21544 BRUBACH, M. Developmental trends in fertilizer broadcaster. (Ge) DLZ-Landtech. Z. 17(11):706-709. Nov. 1966. 58.8 T677
- 21544 FIEDLER, J., and NYPL, J. The effects of different designs of planting equipment on germination of sugar beets. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(8):487-496. Ref. Aug. 1966. 58.9 C333
English summary.
- 21546 FULDA, E. New DLG-certified machines for liquid manure spreading. (Ge) Lohmunternehmen Land-Forstwirtschaft. 21(11):267-268, 270-272. Nov. 15, 1966. 58.8 D81
- 21547 HANSEN, H. V. Planter trends and predictions for 1975. Amer. Soc. Agr. Eng. Pap. 163, 12 p. 1966. 290.9 Am32P
For corn.
- 21548 HISCUTT, H. Fertiliser distributor attachment for plough. Power Farming Australia New Zeal. Better Farming Dig. 75(10):39. Oct. 1966. 58.8 P87
- 21549 KOSZEGHY, G. Organic and mineral fertilizer spreaders for grape. (Hu) Kerteszeti Szolész. 15(20):20. Oct. 1966. 80 K474
- 21550 MATHES, A., and BRUBACH, M. Application of granular calcium cyanamide with spinning-disc broadcasters. (Ge) Grundlagen Landtech. 16(4):156-159. 1966. 58.8 G92
English summary, following content page.
- 21551 MCLEAN, I. Aerial pasture development. Wool Technol. Sheep Breeding 13(1):57-59. July 1966. 304.8 W888
Seeding.
- 21552 NIKULIN, S. N., and VARLAMOV, G. P. Energetic indices of different type cylinders of the fertilizer distributing equipment. (Rus) Traktory Sel'khozmaschiny 10:28-30. Oct. 1966. 58.8 T68
- 21553 RAKK, L. The proper sowing depth. (Hu) Magyar Mezogazdasag 21(40):7-8. Oct. 5, 1966. 19 M27
In mechanical operation.
- 21554 REZNIKOV, N., and OSIPOV, V. Mechanized gypsuming of Solonetz soils. (Rus) Tekh. Sel'skom Khoz. 11:23-28. Nov. 1966. 58.8 M11
- 21555 RICE, C. E., and GANTT, C. W. A study of powdered coulters. Amer. Soc. Agr. Eng. Pap. 119, 8 p. 1966. 290.9 Am32P
Sod-interplanting machines for applying seeds and fertilizers to untilled soil.
- 21556 ZHURUKHIN, F. Equipment for application of fertilizers in vineyards. (Rus) Tekh. Sel'skom Khoz. 11:11-13. Nov. 1966. 58.8 M11
- 21557 ZUMBACH, W. Machine spreading of commercial fertilizers. I. (Ge) Traktor Landmasch. 28(14):889-896. Nov. 1966. 58.8 T678Ag

Harvesting Equipment

- 21553 ALEKSHIN, F. E. Application of continuous method in harvesting sugar beets in the Kirghizia and Kazakhstan. (Rus) Sakharn, Svekla 10: 15-17. Oct. 1966. 66.8 Su393

- 21559 BAKHTIAROV, SH. Z., and SHEINKER, V. A. Study of the rotary drum used for harvesting of cotton. (Rus) *Uzbekistan Akad. Nauk. Dokl.* 3:6-9, 1966. 511 U21
- 21560 BURKHARDT, G. J. Sweet potato harvester developments. *Del. Board Agr. Bull.* 55(5):13-16. 1965. 2 D37B
- 21561 CHERNYSHEV, A. Mechanization of harvesting and threshing of castorbeans. (Rus) *Tekhn. Sel'skom Khoz.* 9:16-18. Sept. 1966. 58.8 M11
- 21562 COPPOCK, G. E., and HEDDEN, S. L. Design and development of a tree shaker harvest system for citrus fruit. *Amer. Soc. Agr. Eng. Pap.* 130,14 p. 1966. 290.9 Am32P
- 21563 CORLEY, T. E. Basic factors affecting performance of mechanical cottonpickers. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):326-328,332. 1966. 290.9 Am32P
- 21564 DUFF, J. B., and WHITTLESEY, N. K. Harvesting costs for the self-propelled green pea combine—eastern Washington and eastern Oregon. *Wash. Agr. Exp. Sta. Circ.* 468,18 p. Oct. 1966. 100 W27S
U. S. Department of Agriculture, cooperating. Equipment.
- 21565 DU PLESSIS, H. E., and BRUWER, J. J. An inexpensive cotton-picker. *Farming S. Afr.* 42 (7):2-3,21. Oct. 1966. 24 S842
- 21566 EIMER, M. Stage of development of controls on the combine-harvester. (Ge) *Grundlagen Landtech.* 16(2):41-50. Ref. 1966. 58.8 G92
English summary, following content page.
- 21567 FRIDLEY, R. B., and ADRIAN, P. A. Evaluating the feasibility of mechanizing harvest. *Amer. Soc. Agr. Eng. Pap.* 133,11 p. Ref. 1966. 290.9 Am32P
Use of nomograms for fruit harvesting research.
- 21568 FULLER, E. I. Selection of machine systems by simulation under conditions of uncertainty. *Amer. Soc. Agr. Eng. Pap.* 157,18 p. 1966. 290.9 Am32P
With reference to forage harvesting equipment.
- 21569 GARRETT, R. E. Development of a control system for a selective lettuce harvester. *Amer. Soc. Agr. Eng. Pap.* 311,6 p. 1966. 290.9 Am32P
- 21570 GRIMM, K. Status of technical development in field forage chopper chains. (Ge) *Landtechnik* 21(21):733,736,738-740,742. Nov. 1, 1966. 58.8 L235
- 21571 GROSSFIELD, K., and HEATH, J. B. The benefit and cost of government support for research and development: a case study. *Econ. J.* 76(303):537-549. Sept. 1966. 280.8 Ec72
With reference to introduction of a potato harvester developed by the National Institute of Agricultural Engineering and support by the National Research Development Corporation.
- 21572 HARWOOD, D. G., and DODSON, J. D. Will tobacco tying machines pay? *N. C. Univ. Ext. Ext. Folder* 254,6 p.-folder. July 1966. 275.29 N811Ex
Harvesting.
- 21573 HUMMEL, J. W., and WINN, P. N. Measurement of cutting forces of Maryland tobacco as related to mechanical harvester design. *Amer. Soc. Agr. Eng. Pap.* 139,16 p. 1966. 290.9 Am32P
- 21574 JOHANNES, J. French method of complete harvesting in several steps. (Ge) *Zucker* 19 (5):111-116. Mar. 1, 1966. 65.8 Z82
English summary.
Mechanized sugar beet harvesting.
- 21575 JOVAN, D. New possibilities in combine utilization. (Hu) *Magyar Mezőgazdaság* 21(40):12-13. Oct. 5, 1966. 19 M27
- 21576 KEPNER, R. A., and O'BRIEN, M. Mechanical harvesting and handling of white asparagus. *Amer. Soc. Agr. Eng. Pap.* 153,14 p. 1966. 290.9 Am32P
- 21577 KHVOSTOV, V. A. Digger parts of the sugar beet harvester. (Rus) *Traktory Sel'khozmaschiny* 9:32-34. Sept. 1966. 58.8 T68
- 21578 KLEMENTYEV, K. V. Results of the governmental investigation on agricultural performance of the forage plant harvesters in 1965. (Rus) *Traktory Sel'khozmaschiny* 10:20-21. Oct. 1966. 58.8 T68
- 21579 KRIEBEL, M. Various experiments in forage harvesting. (Ge) *Landtechnik* 21(21):711-712. Nov. 1, 1966. 58.8 L235
- 21580 KRUGLIKOV, T. A complex of sugar beet harvesting equipment. (Rus) *Traktory Sel'khozmaschiny* 9:19-20. Sept. 1966. 58.8 T68
- 21581 LENKER, D. H., and HEDDEN, S. L. Optimum shaking action for citrus fruit harvesting. *Amer. Soc. Agr. Eng. Pap.* 132,14 p. 1966. 290.9 Am32P
- 21582 LONG, M. E. Separate engine or PTO? *Hoard's Dairyman* 111(23):1424. Dec. 10, 1966. 44.8 H65
For harvesting equipment.
- 21583 LURIE, V. A., and OLEINIK, V. K. Harvesting and cutting equipment—a new trends in the field of mechanical harvesting of legumes. (Rus) *Traktory Sel'khozmaschiny* 10:22-24. Oct. 1966. 58.8 T68
- 21584 MANFRE, B. L. The mechanical harvesting of tomatoes—for profit. *Amer. Soc. Agr. Eng. Pap.* 135,12 p. 1966. 290.9 Am32P
Includes costs.
- 21585 MARKWARDT, E. D., LONGHOUSE, H. A., and MAYNARD, J. Effects of tree structure on damage to apples during mechanical harvest. *Amer. Soc. Agr. Eng. Pap.* 136,18 p. 1966. 290.9 Am32P
- 21586 MCKAY, H. C., and WINDLE, L. C. Grass seed harvesting methods. *Idaho Agr. Exp. Sta. Bull.* 477,7 p. Oct. 1966. 100 I414
U. S. Department of Agriculture, cooperating.
- 21587 MEARS, D. R., KIRKPATRICK, D. G., and MOORE, M. J. Timing of an event depending upon ground speed. *Amer. Soc. Agr. Eng. Pap.* 312,20 p. 1966. 290.9 Am32P
Applied to asparagus harvesting equipment.
- 21588 MOORE, M. J. Mechanical harvesting of green asparagus—a progress report. *Amer. Soc. Agr. Eng. Pap.* 168,3 p. 1966. 290.9 Am32P
- 21589 NILOLAEV, YU., and KOTOV, P. S. Mechanization of the cabbage harvesting. (Rus) *Traktory Sel'khozmaschiny* 10:27-28. Oct. 1966. 58.8 T68
- 21590 PAGLIETTA, R. Mechanical harvesting of hazelnuts; examination of machines used in the United States and considerations for Italy. (It) *Ital. Agr.* 103(6):613-622. June 1966. 16 It1
- 21591 QUICK, G. R. A single row cereal variety harvester. *Australian Inst. Agr. Sci. J.* 32(2): 140-141. June 1966. 23 Au74
- 21592 RESTER, D., COX, A. L., and MAYEUX, M. M. Linear programming for the utilization and selection of roadside mowers. *Amer. Soc. Agr. Eng. Pap.* 155,20 p. 1966. 290.9 Am32P
- 21593 SABURENKO, V. P., GRIGOR'EV, F. Machine for harvesting of cotton stems. (Rus) *Tekhn. Sel'skom Khoz.* 11:40-41. Nov. 1966. 58.8 M11
- 21594 SACHT, H. O. Status of development in balers. (Ge) *Landtechnik* 21(21):728,730-732. Nov. 1, 1966. 58.8 L235
- 21595 SCHAEFER, J. Potentialities and limitations in the use of hydraulic reciprocating drives for mowers. (Ge) *Grundlagen Landtech.* 16 (1):30-34. 1966. 58.8 G92
English summary, following content page.
- 21596 SCHILLING, E. Change in grain harvesting technique. (Ge) *Landmasch.-Markt* 45(24): 1536-1538. Nov. 23, 1966. 58.8 L239
- 21597 SCHURIG, M., and GRIMM, K. Forage harvesting chains and soil cultivation with stronger tractors. (Ge) *DLZ—Landtech. Z.* 17(11):726. Nov. 1966. 58.8 T677
- 21598 SELDERS, A. W., KLEIS, R. W., and HAYES, K. M. Mechanical harvesting and handling of processing apples. *Amer. Soc. Agr. Eng. Pap.* 148,10 p. 1966. 290.9 Am32P
- 21599 SMEDLEY, J. The development of raspberry picking machines. *Frozen Foods* 19(10):575-576. Oct. 1966. 295.8 Q4

- 21600 SMITH, E. M., SMITH, S. W., and CASADA, J. H. The development of a prototype harvester for stalk-cut tobacco. Amer. Soc. Agr. Eng. Pap. 138,16 p. 1966. 290.9 Am32P
- 21601 SPLINTER, W. E., and SUGGS, C. W. Operational parameters of a mechanical harvester for tobacco. Amer. Soc. Agr. Eng. Pap. 137, 22 p. 1966. 290.9 Am32P
- 21602 STAPLETON, H. N. Computer analysis of synthesized field machinery systems. Amer. Soc. Agr. Eng. Pap. 156,6 p. 1966. 290.9 Am32P
Cotton harvester tested.
- 21603 TUPPER, G. R. New concept of stripper harvesting of cotton in Arkansas. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):306-308. 1966. 290.9 Am32T
- 21604 WANG, J. K., and SHELLENBERGER, F. A. The effect of cumulative damage due to stress cycles on the selective harvesting of coffee. Amer. Soc. Agr. Eng. Pap. 152,20 p. Ref. 1966. 290.9 Am32P
Mechanization.
- 21605 WHITNEY, R. W., ROTH, L. O., and PORTER-FIELD, J. G. Pecan harvester pickup and separator developments. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):333-334,337. 1966. 290.9 Am32T
- 21606 WHITEMORE, H. D., and CLAYTON, J. E. Where we stand on the mechanical harvesting of sugar cane. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:300-302. 1965, pub. 1966. 56.9 So32
- 21607 WIENEKE, F. Problems of forage harvesting and preservation. (Ge) Grundlagen Landtech. 16(1):9-17. Ref. 1966. 58.8 G92
English summary, following content page. Mechanical.
- 21608 WIENEKE, F., KOSELL, H., and CLAUS, H. G. The status of development of machines for harvesting of haulm feed. (Ge) Landtechnik 21(21):712,714-716,718,720. Nov.1, 1966. 58.8 L235
- 21609 ZSIGMOND, J. Some problems in developing hay collecting and feeding. (Hu) Gazdalkodas 10(5):73-77. Oct. 1966. 281.8 G25
Mechanical harvesting and drying in Great Britain.
- Land Clearing Equipment**
- 21610 MATSEPURO, O. Reclaiming techniques for shrubby bogs. (Rus) Tekh. Sel'skom Khoz. 8: 41-42. Aug. 1966. 58.8 M11
Land clearing equipment.
- Processing Equipment Used on the Farm**
- 21611 BAADER, W. Effect of knife movement on the cutting momentum of a flywheel cutter having straight knives. (Ge) Grundlagen Landtech. 16(3):101-105. 1966. 58.8 G92
English summary, following content page. Forage processing.
- 21612 BAREISS, G. Feed preparation and conveying in swine feeding. (Ge) Landmasch.-Markt 45 (23):1429-1432. Nov.9, 1966. 58.8 L239
Equipment.
- 21613 BATYAEV, F. I. Investigating operation of the photoelectrical potato cleaning. (Rus) Traktory Sel'khoz mashiny 9:34-37. Sept. 1966. 58.8 T68
- 21614 BUSSEN, R. About hay drying with preheated air. (Ge) Grundlagen Landtech. 16(2):70-79. Ref. 1966. 58.8 G92
English summary, following content page.
- 21615 DAMEROW, G. Experience with the drying of potatoes with mechanized separator of liquids. (Ge) Kartoffelbau 17(4):113-116. Apr. 1966. 75.8 K145
- 21616 DIEMEL, H. DLG-certified machines and equipment for feed preparation. (Ge) Landmasch.-Markt 45(23):1438-1439. Nov.9, 1966. 58.8 L239
- 21617 FAIBUSHEVICH, G., and BLANK, YU. Attachment to grain cleaning machines. (Rus) Tekh. Sel'skom Khoz. 11:76-77. Nov. 1966. 58.8 M11
- 21618 FEHER, K. Farm processing of feed mixtures. (Hu) Magyar Mezőgazdaság 21(41):26-27. Oct. 12, 1966. 19 M27
- 21619 FREIHERR, H. Drying installations for grain and corn. (Ge) Landtechnik 21(15):538,540-541. Aug. 1, 1966. 58.8 L235
- 21620 FULDA, E. Processing of moist grain-maize. (Ge) Landtechnik 21(20):696-698,702-703. Oct. 15, 1966. 58.8 L235
Mechanical.
- 21621 HASSEBRAUCH, B. Separation of grain-chaff mixtures in an aspirator. (Ge) Grundlagen Landtech. 16(3):119-122. 1966. 58.8 G92
English summary, following content page.
- 21622 MATTHIES, H. J., and BUSSE, W. Recent findings on the compression of hay at high normal pressure. (Ge) Grundlagen Landtech. 16 (3):87-92. 1966. 58.8 G92
English summary, following content page. Hay wafering.
- 21623 MATTHIES, H. J. Working methods for wafering hay at normal pressure. (Ge) Grundlagen Landtech. 16(3):92-94. 1966. 58.8 G92
English summary, following content page.
- 21624 PFOST, H. B., and others. Feed mixing series. V. Testing and performance of a vertical twin screw mixer. Feedstuffs 38(47):62-66. Nov. 26, 1966. 286.81 F322
E. Morgan, C. Stevens, and R. Chaddlia, joint authors.
- 21625 RUHMANN, H. Modern milk cooling. I. Requirements, cooling system, energy need. (Ge) Tierzucht 18(16):554-556. Aug. 20, 1966. 49 T445
- 21626 SAMOFALOV, N. I. Mekhanizatsiya oshchiki i sushki zerna v tselnykh rayonakh [Mechanization of grain cleaning and drying in virgin areas]. Moskva, Kolos, 1965. 94 p. SB190.S2
- 21627 SCHUEERMANN, A. Flow resistance in the drying of densely stored hay from leafy crops by ventilation. (Ge) Grundlagen Landtech. 16 (4):140-146. Ref. 1966. 58.8 G92
English summary, following content page.
- 21628 SCHUEERMANN, A. Status of development in barn hay drying. (Ge) Landtechnik 21(21):745-748. Ref. Nov. 1, 1966. 58.8 L235
Includes equipment.
- 21629 SCHNEIDER, B., and SCHUBERT, E. Limits of location for single and multiple fruit driers. (Ge) Deut. Agrartech. 16(10):463-465. Oct. 1966. 58.8 D482
- 21630 SRIVASTAVA, R. K. The influence of the physical properties of the alfalfa hay bale on its internal air flow characteristics. Diss. Abstr., Sect. B, 27(3):795B-796B. Sept. 1966. Z5055.U49D53
Drying.
- 21631 UNGERER, C., and DE BEER, A. G. Modernize your haymaking process. Farming S. Afr. 42 (7):9,11. Oct. 1966. 24 So842
Equipment.
- 21632 WIENEKE, F., and CASPERS, L. Experiments on the feeding of grain into the threshing drum in a thin layer. (Ge) Grundlagen Landtech. 16 (3):94-100. Ref. 1966. 58.8 G92
English summary, following content page.
- 21633 WORLEY, J. H. Checking the calibration of farm bulk milk tanks. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:17-24. 1966. 44.9 N4833
- 21634 ZEHETNER, J. Steaming installations for potatoes. (Ge) Landmasch.-Markt 45(23):1434, 1436. Nov.9, 1966. 58.8 L239
- 21635 ZIMMER, E. Prerequisites for successful silaging. (Ge) Landtechnik 21(21):749-751. Nov. 1, 1966. 58.8 L235
Equipment, technique and silos.
- Repair, Maintenance, and Construction Equipment**
- 21636 ALCHEV, V., and KOMRAKOV, A. Bar-and-scraper elevator for manure removal. (Rus) Tekh. Sel'skom Khoz. 11:19-21. Nov. 1966. 58.8 M11

- 21637 ANDBERG, H. Handling of liquid manure. (Sw) Tidskr. Lantman Andelsfolk 21:489-492. Nov. 15, 1965. 20 T43
Equipment in Finland.
- 21639 BRYN, L. H. Forsok med rusthindrende midler pa bolgeblittak ved arungen; forelobig rapport for tiden august 1962-september 1965. [Experiments with rust preventing preparations on corrugated iron roofs at Arungen; preliminary report for the period August 1962-September 1965]. Norges Landbrukskshogs. Inst. Bygningsteknikk. Stensiltrykk 57, 6 p. 1966. 49,9 N76
- 21639 BRYSON, J. W. Some ideas on disposing of pig manure in liquid form. S. Australia J. Agr. 70(2):54-59. Sept. 1966. 23 S84
- 21640 COLVIN, C. H. Liquid manure disposal systems on dairy farm. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:171-173. 1966. 44,9 N4833
- 21641 FRITZ, E. A traditional helper of agriculture. (Ge) Landmasch.-Markt 45(24):1493-1494. Nov. 23, 1966. 58,8 L239
The smithy trade.
- 21642 LINN, A. Whipping the manure problem; this new odorless manure-disposal system can simplify manure handling, improve animal health, and save labor. Farm Quart. 21(6):56-59; 115-116. Winter 1966/67. 6 F22995
- 21643 MCNAMARA, P. Manure disposal from pigeries. West. Australia. Dep. Agr. J. (ser. 4) 7(5):210-212, 214. May 1966. 23 W52J
Equipment.
- 21644 OTTO, F. K. We are planning a machine shed. (Ge) DLZ-Landtech. Z. 17(11):720, 722. Nov. 1966. 58,8 T877
- 21645 POELMA, H. R. De afvoer, de bewaring en het roeren van drijfmest [Removal, storage and moving of manure]. Wageningen. Inst. Landbouwbewrijfsgebouwen. Mededel. 22, 5 p. Aug. 1966. 49,9 W12
Equipment.
- 21646 VELEBIL, M. Determination of main characteristics of a bulldozer designed for removal of manure from loose cattle housing. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(8): 519-530. Ref. Aug. 1966. 58,9 C333
English summary.
- Spraying and Dusting Equipment**
- 21647 CASSIDY, D. V. Proportioner spray rig aids vegetation control program. Public Works 97 (11):87-88. Nov. 1966. 290,8 M922
On highways.
- 21649 DLATLOFF, G. Knapsack misting machines. Queensland Agr. J. 92(9):543-544. Sept. 1966. 23 Q33
For spraying and dusting.
- 21649 HOLZHEI, D. E., and GUNTEL, W. W. Design and development of new granular applicators. Amer. Soc. Agr. Eng. Pap. 112,8 p. 1966. 290,9 Am32P
Economic poisons.
- 21650 KAUFMAN, L. C., and BUTLER, B. J. Increment of cut and rake angle interaction during granular incorporation by rotary tillage. Amer. Soc. Agr. Eng. Pap. 114,15 p. 1966. 290,9 Am32P
Application of economic poisons.
- 21651 KOCH, H. Plant protection machines certified by the Federal Biological Office [Biologische Bundesanstalt] in Brunswick. (Ge) Landmasch.-Markt 45(24):1538-1542. Nov. 23, 1966. 58,8 L239
Spraying and dusting equipment, chiefly.
- 21652 OSTARHILD, H. More precision and higher performances on plant protection equipments. (Ge) Landtechnik 21(15):530-533. Aug. 1, 1966. 58,8 L235
Sprayers, chiefly.
- 21653 PINSONNEAULT, B. J. How Minnesota uses invert roadside sprayer. Weeds Trees Turf 5 (10):8-10. Oct. 1966. 79,8 W413
- 21654 RUSHMORE, F. A., and others. The calibration of orchard weed sprayers. Wash. State Univ. Ext. E. M. 2362, rev., 6 p. Aug. 1966. 275,29 W27M1
N. R. Benson, D. G. Swan, and E. H. Davis, joint authors.
- 21655 SCHMID, D. R. Granular incorporation with rotary tillage. Amer. Soc. Agr. Eng. Pap. 116, 16 p. 1966. 290,9 Am32P
Fungicide application equipment.
- 21656 TATE, R. W., and JANSSEN, L. F. Droplet size data for agricultural spray nozzles. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):303-305, 308. 1966. 290,9 Am32T
- 21657 WRIGHT, M. E., and CARTER, W. H. Design and operating characteristics of rotary hoe type devices for soil incorporation. Amer. Soc. Agr. Eng. Pap. 113,20 p. 1966. 290,9 Am32P
For application of pre-emergence herbicides.
- 21658 YATES, W. E., AKESSON, N. B., and COUTTS, H. H. Drift hazards related to ultra-low-volume and diluted sprays applied by agricultural aircraft. Amer. Soc. Agr. Eng. Pap. 107,22 p. Ref. 1966. 290,9 Am32P
- 21659 YATES, W. E., AKESSON, N. B., and COUTTS, H. H. Evaluation of drift residues from aerial applications. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):389-393, 397. Ref. 1966. 290,9 Am32T
Economic poisons application.
- Vehicles**
- 21660 APABYAN, S. G., BELYANCHIKOV, G. P., and ERSHOV, N. V. Oil requirements for the diesel tractors. (Rus) Traktory Sel'khozmashty 9:15-17. Sept. 1966. 58,8 T68
- 21661 BUCHMEIER, A. Is the ground pressure still harmful? (Ge) Traktor Landmasch. 28(12): 716-717. Sept. 2, 1966. 58,8 T678Ag
Tractor operation.
- 21662 CHEREVAN', V. N., OLYAK, V. D., and DROZDOV, N. G. Electrical method in studying tractor shaking. (Rus) Traktory Sel'khozmashty 11:15-17. Nov. 1966. 58,8 T68
- 21663 COENENBERG, H. H. Further development of chutes of farm tractors. (Ge) Landmasch.-Markt 45(21):1289-1291. Oct. 21, 1966. 58,8 L239
- 21664 DIESEL, W., and KRAMER, K. Problems associated with the introduction of 1500 mm tractor track gauge in potato growing. (Ge) Deut. Agrartechnik. 16(10):477-480. Oct. 1966. 58,8 D482
- 21665 DUPUIS, H. Tractor and comfort. (Ge) Mitt. Deut. Landwirt.-Ges. 81(42):1563-1565. Oct. 20, 1966. 18 N39
Design.
- 21666 FISCHER, K. Collecting of grain without sacks in threshing. (Ge) Traktor Landmasch. 28(14): 855-863. Nov. 1966. 58,8 T678Ag
Transportation and loading equipment.
- 21667 FREITAG, D. R. A dimensional analysis of the performance of pneumatic tires on sand. Amer. Soc. Agr. Eng. Pap. 128,18 p. 1966. 290,9 Am32P
- 21668 GAEVSKI, YA., YUZVYAK, V., and ZELEN, M. Determination of the most suitable organization of tractors and tractor equipment on the farm. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:96-102. 1966. 20 M57
- 21669 GUS'KOV, V. V. Optimal'nye parametry sel'skokhozyaistvennykh traktorov [Most suitable parameters of the agricultural tractors]. Moskva, Mashinostroenie, 1966. 195 p. Ref. TL233.G8
- 21670 HAIN, K. Determination of rotational and oscillating motions in fully movable six-bar linkages. (Ge) Grundlagen Landtech. 16(4):129-139. Ref. 1966. 58,8 G92
English summary; following content page.
- 21671 HEINRICH, Mutury. Following of tractors and farm machines. (Ge) Landmasch.-Markt 45 (21):1294, 1296, 1298. Oct. 21, 1966. 58,8 L239
- 21672 HOFFMANN, W. Future development of tractor stocks in the German Federal Republic. (Ge) Landmasch.-Markt 45(24):1521-1524. Nov. 23, 1966. 58,8 L239

- 21673 KAMMERLING, H. J. Round around the tractor. (Ge) DLZ-Landtech. Z. 17(11):709-710, 712,714. Nov.1966. 58.8 T677
- 21674 KASHUBA, B. P., and ANILOVICH, V. YA. Some vibration characteristics of the tractor engines. (Rus) Traktory Sel'khoz mashiny 9: 7-8. Sept.1966. 58.8 T68
- 21675 KLIEFOTH, F. Why OECD-tractor test? (Ge) Landmasch.-Markt 45(24):1517-1521. Nov.23, 1966. 58.8 L239
- 21676 KNAPP, L. W., and PIERCY, L. R. An epidemiological study of power take-off accidents. Iowa. Univ. Inst. Agr. Med. Bull. 10:1-79. 1966. 448.9 I09
- 21677 LASMAN, A. W. Winter preparation for your tractor. Farm Gard. Contract. 5(10):8. Oct. 1966. 58.8 F227
- 21678 LONG, M. E. Things to check to find the cause of tractor misfiring. World Farming 8 (11):28-29. Nov.1966. 30.08 W89
- 21679 LUNDELL, V. J., and HULL, D. O. Development of a new self-propelled tractor and matching implements. Amer. Soc. Agr. Eng. Pap. 165,16 p. 1966. 290.9 Am32P
- 21680 MACINNES, H. Turbocharging of farm tractor diesel engines. Amer. Soc. Agr. Eng. Pap. 109, 5 p. 1966. 290.9 Am32P
- 21681 MAJOROS, J. Method for establishing performance norms in mechanical transportation. (Hu) Gazdalkodas 10(5):79-86. Oct.1966. 281.8 G25
English summary.
- 21682 OSMANOV, N. A., and SHAKHNAZAROV, V. N. Safety and stability cabin. (Rus) Traktory Sel'khoz mashiny 9:8-10. Sept.1966. 58.8 T68
On tractor.
- 21683 PERSSON, S. P. E. Parameters for tractor wheel performance. Amer. Soc. Agr. Eng. Pap. 142,21 p. 1966. 290.9 Am32P
- 21684 PIERROT, V. C., and BUCHELE, W. F. A similitude study of an unpowered pneumatic tire. Amer. Soc. Agr. Eng. Pap. 129,10 p. 1966. 290.9 Am32P
- 21685 RITCHIE, W. Guides to buying a tractor. Doane's Agr. Rep. 29(32):12-15. Nov.8,1966. 281.8 D652
- 21686 SCHIB, K. Mechanization of transportation and lifting work by front loader and truck lift. (Ge) Traktor Landmasch. 28(13):779-787. Oct. 1966. 58.8 T678Ag
- 21687 SCHNEIDER, O. Infinitely variable, adjustable, high performance drive for farm tractors. (Ge) Grundlagen Landtech. 12(2):60-65. 1966. 58.8 G92
English summary, following content page.
- 21688 SCHULZ, H., GRIMM, A., and ULLRICH, K. Status of development in loading trailers. (Ge) Landtechnik 21(21):722-724,726-728. Nov.1, 1966. 58.8 L235
- 21689 SCHULZE, K. H. Agriculture is not a free transportation industry any more. (Ge) Landmasch.-Markt 45(24):1553-1557. Nov.23,1966. 58.8 L239
Trailers, vehicles for farm transportation.
- 21690 SEMEIKIN, S. V. Tractors and agricultural mechanization on occasion of the 49th anniversary of the October revolution. (Rus) Traktory Sel'khoz mashiny 11:1-2. Nov.1966. 58.8 T68
- 21691 SOUTHWELL, P. H. An investigation of four-wheel-drive and tandem tractor arrangements. Amer. Soc. Agr. Eng. Pap. 108,25 p. 1966. 290.9 Am32P
- 21692 UNITED NATIONS, ECONOMIC COMMISSION FOR EUROPE. Self-propelled chassis. UN. Econ. Comm. Europe. AGR/MECH/ 28,17 p. 1965. 58.9 Un3222
Prepared by the Ukrainian delegation.
Tractor types for various uses.
- 21693 VECCHI, N. DE. The costs of tractors. (It) Esso Agr. 15(4):26-27. Aug.1,1966. 58.8 Es7
- 21694 WENDEBORN, J. O. The importance of shifting ease in power and variable speed drive of farm tractors. (Ge) Landmasch.-Markt 45 (21):1283-1286,1288. Oct.21,1966. 58.8 L239

- 21695 WENDEBORN, J. O. Tractor transmissions which are infinitely variable and can be operated under load. (Ge) Grundlagen Landtech. 16(2):51-59. Ref. 1966. 58.8 G92
English summary, following content page.
- 21696 WHISTON, W. D., and DREVER, J. G. Generators and starter motors for farm vehicles. Agr. Gaz. New S. Wales 77(8):461-465. Aug. 1966. 23 N472
Electric.
- 21697 WHISTON, W. D., and DREVER, J. G. Getting the best from batteries. Agr. Gaz. New S. Wales 77(7):394-398. July 1966. 23 N472
For use on farm vehicles.
- 21698 ZEZULA, J. Functional properties of the spring-mounted tractor. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(8):461-486. Ref. Aug.1966. 58.9 C333
English summary.

FARM STRUCTURES AND RURAL HOUSING

- 21699 ANTAL, D. Grated flooring in the stalls? (Hu) Magyar Mezőgazdaság 21(40):17-19. Oct.5,1966. 19 M27
- 21700 HARMAN, D. J., DALE, A. C., and JONES, H. W. Effect of floor type on the required moisture vapor removal rate from swine finishing houses. Amer. Soc. Agr. Eng. Pap. 442, 9 p. 1966. 290.9 Am32P
- 21701 HOLMQUIST, N. Farm structure research—Scandinavian countries. Amer. Soc. Agr. Eng. Pap. 425,6 p. 1966. 290.9 Am32P
- 21702 LIVINGSTON, H. R., and HARVEY, C. N. Current farm structures research in the United Kingdom. Amer. Soc. Agr. Eng. Pap. 426,6 p. 1966. 290.9 Am32P
- 21703 LIVINGSTON, H. R. The use of slatted floors in cattle buildings in the United Kingdom. Amer. Soc. Agr. Eng. Pap. 411,7 p. Ref. 1966. 290.9 Am32P
- 21704 MEADOR, N. F. A stiffness algorithm for determinate and indeterminate truss analysis. Amer. Soc. Agr. Eng. Pap. 422,9 p. 1966. 290.9 Am32P
- 21705 NIELSEN, S. H. Economic considerations in connection with farm building. (Da) Landbonyt 20(11):391-395. Nov.1966. 11 L2322
- 21706 PETTIT, K. L. Farm building research in Europe. Amer. Soc. Agr. Eng. Pap. 427,10 p. 1966. 290.9 Am32P
- 21707 THEAKSTON, F. H. Farm structures research in Canada. Amer. Soc. Agr. Eng. Pap. 424, 5 p.,map. 1966. 290.9 Am32P
- 21708 TOL, J. C. Thermisch en hygrisch gedrag van enkele veelvuldig voorkomende bouwconstructies [Thermal and hygrometric conditions in some frequently occurring building constructions]. Wageningen. Inst. Landbouwbouwen. Mededel. 21,5 p. Aug.1966. 49.9 W12
- 21709 WALKER, J. N., and COX, E. H. Design of pier foundations for lateral loads. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):417-420,427. Ref. 1966. 290.9 Am32P
- 21710 YECK, R. G. Current farm structures research in the United States. Amer. Soc. Agr. Eng. Pap. 423,13 p. 1966. 290.9 Am32P

Animal Shelters and Animal Service Buildings

- 21711 BELL, E. S., and others. A report on slotted floor swine housing: studies in controlled, semicontrolled and uncontrolled environments. Amer. Soc. Agr. Eng. Pap. 439,11 p. 1966. 290.9 Am32P
M. Marshall, J. M. Stanley, and H. R. Thomas, joint authors.
- 21712 BRUNSKILL, A. A sheep yard for small properties. Agr. Gaz. New S. Wales 77(7):392-393. July 1966. 23 N472

- 21713 BURRY, D. R., and HOLDER, J. M. Saving piglets by better housing. *Agr. Gaz. New S. Wales* 77(9):536-540. Sept. 1966. 23 N472
- 21714 CAMPBELL, L. E., and LUCAS, L. M. A control system for a 1200 sq. ft. environmental poultry house. *Amer. Soc. Agr. Eng. Pap.* 315, 22 p. 1966. 290.9 Am32P
- 21715 HAENDEL, A. Milking parlour for the small herd. *Agr. Israel* 11(1):46. Oct. 1965. 22.5 Ag825
- 21716 HALL, M. D. Solar heated ventilation air for swine buildings. *Amer. Soc. Agr. Eng. Pap.* 440, 4 p. 1966. 290.9 Am32P
- 21717 HARTLEY, J. H. Low cost work corrals; anyone with cattle needs some kind of handling facilities, here are some tips on minimum needs and where to get building plans. *Doane's Agr. Rep.* 29(32):26-28. Nov. 8, 1966. 281.8 D652
- 21718 HENDRIX, A. T. Modulating valve for programmed temperature. *U. S. Agr. Res. Serv. ARS-42-120.8* p. Sept. 1966. A58.9 R31
In controlled environment studies of poultry.
- 21719 HOARD'S Dairyman round table: how we house our calves. *Hoard's Dairyman* 111(23):1420-1421, 1444-1446. Dec. 10, 1966. 44.8 H65
- 21720 HOUSING and equipment. *Blue Book Fur Farming* 1967:51-59. 412.628 H75
Of minks.
- 21721 IVANOV, P., and KOSTOV, S. Heifer raising in open stalls in mountains. (Bu) *Zhivotnovodni Nauk.* 3(4):563-573. 1966. 49 Z65
German summary.
- 21722 JEBAUTZKE, W. Spaltenboden und Schwemmist [Slatted floors and liquid manure]. *Mitt. Deut. Landwirt.-Ges. Illus. Beilage* 11, 3 p. Nov. 25, 1965. 18 N39A
Cattle barn designs included.
- 21723 JEDELE, D. G. Exposure factor curves applied to swine building ventilation design. *Amer. Soc. Agr. Eng. Pap.* 443, 9 p. 1966. 290.9 Am32P
- 21724 JONES, H. W., and others. Studies of farrowing and nursery systems. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 267, 14 p. Sept. 1966. 100 In2Res
W. L. Good, R. A. Pickett, C. N. Hinkle, R. Daniel, J. E. Kadlec, and W. H. M. Morris, joint authors.
Chiefly housing.
- 21725 JONES, H. W., and others. Winter comparison of bedding vs. no bedding in an open front working-finishing house. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 264, 5 p. Sept. 1966. 100 In2Res
R. A. Pickett, J. E. Kadlec, W. H. M. Morris, and M. Gallie, joint authors.
Swine.
- 21726 KULFE, E. The substitution of labor, building, and mechanization costs as a measure of rationalization in the construction and mechanization of stalls. (Ge) *Deut. Agrartechnik* 16(10):452-454. Oct. 1966. 58.8 D482
- 21727 LIGHT, R. G. Regional ventilation recommendations for dairy buildings. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:157-169, map. 1966. 44.9 N4833
- 21728 LONGHOUSE, A. D. Designing poultry house ventilation and insulation requirements based upon calorimetric data and psychrometric relationships (revised). *Amer. Soc. Agr. Eng. Pap.* 444, 16 p. 1966. 290.9 Am32P
- 21729 MAGSON, W. Cattle yards. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10):474, 476-477, 479. Oct. 1966. 10 G793
- 21730 PARSONS, L. M. Planning new buildings. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(10):480, 482, 484. Oct. 1966. 10 G793
Cattle housing.
- 21731 PATTIE, D. R. Heat transmission of porous materials in ventilation. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):409-410, 416. 1966. 290.9 Am32P
With reference to insulation in livestock housing.
- 21732 PRICE, D. R. Heating requirements for comfort in milking parlors. *Amer. Soc. Agr. Eng. Pap.* 358, 15 p. Ref. 1966. 290.9 Am32P
- 21733 RIEMANN, U. Swine stall without trough and window. (Ge) *Tierzuchter* 18(15):539-542. Aug. 5, 1966. 49 T445
- 21734 RYAN, D. M. Ventilation of hog-finishing units with a high concentration of hogs. *Minn. Univ. Ext. M-134, rev.* 4 p. 1966. 275.29 M66Ps
- 21735 SAINSBURY, D. W. B. The housing of livestock. *I. Veterinarian [Oxford]* 3(3):185-192. Sept. 1965. 41.8 V6487
Construction.
- 21736 SCHIFFEL, E. Technical building sanitation for closed barns. *I. (Ge) Landliche Bauberatung* 11, 4 p. In *Deut. Landwirt.* 17(9). Sept. 1966. 18 D4822
Includes temperature, ventilation, and proper construction in East Germany.
- 21737 SHEA, P. Switching to a cold free stall barn. *Dairy Herd Manage.* 2(3):26-28. Sept. 1966. SF191.D3
Ventilation.
- 21738 SPILLMAN, C. K. Swine housing ventilation and environmental control. *Amer. Soc. Agr. Eng. Pap.* 438, 14 p. 1966. 290.9 Am32P
- 21739 STOCKLI, F. Swine stalls on the UFA experimental farm. (Ge) *Grüne* 99(44):1611-1617. Nov. 4, 1966. 17 Sch9
Switzerland.
- 21740 TOMOVA, D. Hygienic assessment of the microclimate in pens with different types of deep unchangeable litter, screen floors and changeable litter. (Bu) *Zhivotnovodni Nauk.* 3(3):413-423. Ref. 1966. 49 Z65
English summary.
Poultry housing.
- 21741 U. S. AGRICULTURAL RESEARCH SERV. Calf barn, open front, pen type; cooperative farm building plan No. 5970. *U. S. D. A. Misc. Publ.* 1033, 2 p. Nov. 1966. 1 Ag84M
Dairy cattle.
- 21742 WIERSMA, F., and STOTT, G. H. Microclimate modification for hot-weather stress relief of dairy cattle. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):309-311, 313. Ref. 1966. 290.9 Am32P
- 21743 WITZ, R. L., BUTCHBAKER, A. F., and BRYANT, R. L. Design of constant-temperature rooms for experimental poultry study. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):314-316, 321. 1966. 290.9 Am32P

Farmhouses and Farmsteads

- JENKINS, G. H. Economy housing for home and abroad. *Amer. Soc. Agr. Eng. Pap.* 433, 6 p. 1966. 290.9 Am32P
Design.
- 21745 LUCAS, M. Working and utility areas in the economic sphere of the dwelling house. (Ge) *Bauen Lande* 17(3):72-73. Mar. 1966. 296.8 A1
Designs.
- 21746 NEWMAN, J. O. A house-framing system for low-cost construction. *U. S. D. A. Misc. Publ.* 1020, 18 p. Aug. 1966. 1 Ag84M
- 21747 PARKER, W. R. Housing for the elderly in rural areas. *Amer. Soc. Agr. Eng. Pap.* 430, 14 p. 1966. 290.9 Am32P
- 21748 SIMONS, J. W., and PARKER, W. R. Migrant worker housing study. *Amer. Soc. Agr. Eng. Pap.* 431, 6 p. 1966. 290.9 Am32P
- 21749 SIMONS, J. W. Reducing sound levels in family houses. *Amer. Soc. Agr. Eng. Pap.* 429, 16 p. 1966. 290.9 Am32P
- 21750 WARRICK, W. C. The economy house at home and abroad. *Amer. Soc. Agr. Eng. Pap.* 434, 5 p. 1966. 290.9 Am32P
Construction.

Greenhouses and Plant Service Buildings

- 21751 DRENTH, A. VAN. Lamps for plant irradiation. (Du) *Groenten Fruit* 22(14):564-565, 567. Oct. 12, 1966. 80 G89
In greenhouses.

- 21752 HENTIG, W. U. VON. Tower type greenhouse and industrial plant growing. (Ge) Kosmos 62 (4):133-134. Apr. 1966. 474 K842
- 21753 JAMIESON, M. Glasshouse ventilation. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):495-498. Oct. 1966. 10 G793
- 21754 JENKINS, G. H., and WALKER, J. N. Determining heat and ventilation requirements and estimating annual heat cost for greenhouses. Amer. Soc. Agr. Eng. Pap. 407,12 p. 1966. 290.9 Am32P
- 21755 LOKTIONOV, A., MASLOVICH, K., and MOVCHAN, B. Wide use of hotbeds with electric heating. (Rus) Tekh. Sel'skom Khoz. 11:30-33. Nov. 1966. 58.8 M11
- 21756 MANBECK, H. B., and ALDRICH, R. A. An analytical determination of the direct visible solar energy transmitted by rigid plastic greenhouses. Amer. Soc. Agr. Eng. Pap. 401, 13 p. 1966. 290.9 Am32P
- 21757 MARSHALL, M., SCHALES, F. D., and MARSEY, P. H. The design and development of a small gothic greenhouse for town and country use. Amer. Soc. Agr. Eng. Pap. 402,12 p. Ref. 1966. 290.9 Am32P
- 21759 ROBERTS, W. J. Plastic greenhouse structures for nursery, flowering plants and vegetable crop production. Amer. Soc. Agr. Eng. Pap. 403,10 p. 1966. 290.9 Am32P
- 21759 RODDA, E. D., PERKINS, R. M., and HOLLAND, A. H. Developments in air supported plastic greenhouses. Amer. Soc. Agr. Eng. Pap. 404,11 p. 1966. 290.9 Am32P
- 21760 THOMPSON, C. R., and TAYLOR, O. C. Plastic-covered greenhouses supply controlled atmospheres to citrus trees. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):338-339,342. 1966. 290.9 Am32T
- 21761 WOLSEY, W. H. Control of temperature and the plants. (Ge) Tech. Gartenbau 41:2. Apr. 1966. 80 T223
- 21762 WOLSEY, W. H. Independent temperature control in greenhouse. (Ge) Tech. Gartenbau 3:4. Mar. 1966. 80 T223
- 21763 WORKS, D. W., GUTHRIE, J. W., and MARTIN, J. W. Use of infrared heating for growing plants in cold air surroundings. Amer. Soc. Agr. Eng. Pap. 349,12 p. 1966. 290.9 Am32P
- Greenhouses.
- Materials and Methods**
- 21764 OLSON, E. A. Insulated concrete panels; development and construction. Amer. Soc. Agr. Eng. Pap. 419,11 p. 1966. 290.9 Am32P
- 21765 ZAGONI, I. "Artificial wood" in agricultural architecture. (Hu) Mezogazdasagi Tech. 6(8): 12-13. 1966. 58.8 M572
- Storage Structures**
- 21766 FUCHS, P. Why aluminum as a silo building material? (Ge) Mitt. Deut. Landwirt.-Ges. 81(39):1463-1464,1466-1467. Sept. 29, 1966. 18 N39
- 21767 GREAT BRITAIN. AGRICULTURAL RESEARCH COUNCIL. A bibliography of farm buildings research. V. Buildings for the drying and storage of grain. 2nd supplement. 1962-1964. London, 1966. 35 p. 241.4 G795
- 21769 HAASE, H. Portable clamp silos. (Ge) Landmasch.-Markt 45(23):1433-1434. Nov. 9, 1966. 58.8 L239
- 21769 HOBBS, W. The design and construction of a reinforced concrete "fill-up" trench silo. Imp. Ethiopian Coll. Agr. Mech. Arts. Exp. Sta. Bull. 31,20 p. July 1965. 108 Et3
- 21770 HYDE, M. B. Airtight storage of high-moisture grain. Power Farming Australia New Zeal. Better Farming Dig. 75(8):iv,1,79. Aug. 1966. 58.8 P87
- In silos.
- 21771 MCCLOY, J. F., and WALLIS, J. A. N. Arabica coffee storage. III. The design of coffee stores. Kenya Coffee 31(367):301,303,305-307. July 1966. 68.29 C652
- 21772 NYGAARD, A. Planleggingsproblemer ved sterk bruk av ensilasje i tjofor mjlkeproduksjon [Planning problems in connection with heavy use of silage in barns for milk production]. Norges Landbrukshogsk. Inst. Bygningsteknikk. Stensiltrykk 59,14 p. June 1966. 49.9 N76
- Silo types.
- 21773 RIEMANN, U. Silos—central point in feed management. (Ge) Landtechnik 21(15):544-546. Aug. 1, 1966. 58.8 L235
- Includes equipment.
- 21774 SCHRODER, G., and PROTT, J. Piling potatoes under roof in Schleswig-Holstein: present state and the outlook. (Ge) Kartoffelbau 17(2): 36-38. Feb. 1966. 75.8 K145
- Walls and Fences**
- 21775 BRAIN, J. Modern developments in low-cost fencing. Wool Technol. Sheep Breeding 13(1): 37-41. July 1966. 304.8 W888
- Australia.
- 21776 STOCKLASS, S., and MARTENSSON, O. Sheep fences. (Sw) Farskotsel 46(3):121-128. (Cont.) Apr. 1966. 45.9 Sv2
- 21777 STOCKLASS, S., and MARTENSSON, O. Sheep fences. 2. (Sw) Farskotsel 46(4):167-171. May 1966. 45.9 Sv2
- 21778 STOCKLASS, S., and MARTENSSON, O. Sheep fences. 3. (Sw) Farskotsel 46(5):208-210. June 1966. 45.9 Sv2
- Cost.
- FARM UTILITIES**
- Electricity and Electrification**
- 21779 CHAO, S. K., and others. Safety measures in the use of electric power for agriculture. (Ch) Dianshijie 2:55. Feb. 1966. 335.8 T44
- C. Y. Hsu, L. C. Lu, and T. C. Chin, joint authors.
- Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Electron. Elec. Eng. 18:4. Apr. 29, 1966. (JPRS 35,241; TT 66-31678) 241.6 Un324C
- Issued by CFSTI \$1.00.
- 21780 NEPOROZHNI, P. S. Electrification and power construction in the U.S.S.R. 187 p. (TT 65-50095) TK35.N43
- Includes agricultural aspects.
- Translation of Elektrifikatsiya i Energeticheskoe Stroitel'stvo.
- CFSTI: \$5.00.
- 21781 ROSS, J. E. Implications of cooperative rural electrification for economic and social development of Valle, Colombia, South America. Diss. Abstr., Sect. A, 27(3):565A-566A. Sept. 1966. Z5055.U49D5
- 21782 SHEN, Y. H. The production and development of high-voltage switches for agricultural use. (Ch) Dianshijie 2:52-54. Feb. 1966. 335.8 T44
- Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Electron. Elec. Eng. 18:3. Apr. 29, 1966. (JPRS 35,241; TT 66-31678) 241.6 Un324C
- Issued by CFSTI \$1.00.
- 21783 SHLIKHTER, A. A. Ob elektrifikatsii sel'skogo khozaystva SSHA [Agricultural electrification in United States]. Moskva, Nauka, 1965. 169 p. TK4018.S5
- 21784 U. S. RURAL ELECTRIFICATION ADMIN. Report of the Administrator, 1965. Washington, 1966. 46 p., map. 1 Ag84
- Heating, Lighting, and Radiation**
- 21785 ORCELLET, R. Refining the water in horticulture. I. Treatment of water in heating plant. (Ge) Tech. Gartenbau 3:1-2. Mar. 1966. 80 T223

Power Plants, Motors and Engines on the Farm

- 21786 BROOKS, L. A., FINNER, M. F., and BERGE, O. I. Large electric motors for farmstead applications. Amer. Soc. Agr. Eng. Pap. 357, 13 p. 1966. 290.9 Am32P
- 21787 CAVENDER, N. LP-gas hits the comeback trail. Farm Quart. 21(6):74-75,116,120-122. Winter 1966/67. 6 F22995
- 21788 CROUSEY, M. G. Analysis of soil as a heat source for a heat pump system. Amer. Soc. Agr. Eng. Pap. 355,14 p. 1966. 290.9 Am32P
- 21789 GRODZIEVSKI, V. I., and KORBA, N. YA. Study of the effect of air temperature on effective indices of diesel motor with turbocompressor. (Rus) Traktory Sel'khoz mashiny 11: 6-7. Nov.1966. 58.8 T68
- 21790 HEINRICH, W. Internal combustion engines in farm machinery technique. (Ge) Landmasch.-Markt 45(24):1531-1533. Nov.23,1966. 58.8 L239
- 21791 SCHWENKER, G. Economic use of energy sources in agricultural heating processes. (Ge) Deut. Agrartech. 16(10):455-457. Oct. 1966. 58.8 D482
Various fuels and electric power.

Sewage and Waste Disposal

- 21792 DAWSON, J. S., and DRIGGERS, L. B. Incinerator and disposal pit facilities recommended for farm animals. Va. Polytech. Inst. Ext. Circ. 1027,7 p. May 1966. 275.29 V81C
Virginia dead poultry disposal law.
- 21793 SALVATO, J. A., and BOGEDAIN, F. O. The disposal of liquid wastes at dairy farms, receiving stations and small plants. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:174-184. 1966. 44.9 N4833
- 21794 U. S. AGRICULTURAL RESEARCH SERV. Incinerator, concrete block; cooperative farm building plan No. 5996. U. S. D. A. Misc. Publ. 1040,2 p. Nov.1966. 1 Ag84M

Water Supply

- 21795 CHOIGDON, ZH. Cooperation and help in development of water supply in Mongolia. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:110-111. 1966. 20 M57

- 21796 EDWARDS, D. M. Electrokinetic studies applied to the slow sand filtration process. Diss. Abstr., Sect. B, 27(2):451B-452B. Aug.1966. Z5055.U49D53
For home water supply from ponds or reservoirs.
- 21797 HELEMAN, L. H., and SABBE, W. E. Softening domestic water. Ark. Farm Res. 15(5):8. Sept./Oct.1966. 100 Ar42F
- 21798 HOHENSTEIN, A. E. The Public Health Service water evaluation program. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:149-152. 1966. 44.9 N4833
On dairy farms.
- 21799 MERTZ, M. L. Water-flooding and salt-water pits remain a threat to Texas supplies. Sheep Goat Raiser 47(3):34-35. Dec.1966. 45.8 Sh3
Supply of fresh water for farms.
- 21800 NARODNYI, YU. M. Automatic water lifting installation with pneumatic tank and two submerged electric pumps. (Rus) Gidrotekh. Melior. 10:40-47. Oct.1966. 290.8 G362
Farm water supply.
- 21801 REINSCH, H. H. Special pumps for self waterers, water supply and sprinkling. (Ge) Landmasch.-Markt 45(23):1440-1441. Nov.9,1966. 58.8 L239
- 21802 SCHWIESOW, W. F., and CROW, F. R. A wind tunnel investigation of air flow over a hexadecanol monolayer spread on the water surface. Amer. Soc. Agr. Eng. Pap. 232,18 p. 1966. 290.9 Am32P
On a pond.
- 21803 U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Simple plumbing repairs for the home and farmstead. U. S. D. A. Farmers' Bull. 2202,slightly rev.,16 p. Sept.1966. 1 Ag84F
- 21804 WESTON, R. T. Water for the dairy in dry times. Queensland Agr. J. 92(9):568-570. Sept. 1966. 23 Q33
Includes storage.
- 21805 WOODING, N. H. Our water problem, and what you can do about it. Hoard's Dairyman 111(19):1156-1173. Oct.10,1966. 44.8 H65
Supply; includes contamination.

ENTOMOLOGY

GENERAL ENTOMOLOGY
(EXCEPT TAXONOMIC AND GEOGRAPHIC)

- 21806 AGOCSEY, P. New approaches in entomology. (Hu) Rovartani Kozlemenyek (n.s.)18(18/39): 445-457. 1965. 420 Sol2
English summary.
- 21807 AMBRUS, B. The theory of gall formation. (Hu) Rovartani Kozlemenyek (n.s.)18(18/39): 389-406. Ref. 1965. 420 Sol2
Plant galls caused by insects.
- 21808 AUGENFELD, J. M. Lactic dehydrogenase activities in invertebrates in relation to environment and mode of gas exchange. Compar. Biochem. Physiol. 18(4):983-985. Aug. 1966. 444.8 C73
Includes insects.
- 21809 BIGOT, L., and MARAZANOF, F. Considerations on the ecology of the terrestrial and aquatic invertebrates of Las Marismas of the Quadalquivir (Andalusia). (Fr) Vie Milieu, Ser. C, Biol. Terrestre 16(1):441-473, map. Ref. 1965. QH301.V5
English summary.
Includes insects.
- 21810 CHURCHER, C. S. The insect fauna from the Talará tar-seeps, Peru. Can. J. Zool. 44(6): 985-993. Ref. Nov. 1966. 470 C16D
- 21811 COUNCE, S. J. Culture of insect embryos in vitro. N. Y. Acad. Sci. Ann. 139(1):65-78. Ref. Oct. 7, 1966. 500 N484
- 21812 COVELL, C. V., and KOSTARAB, M. The V.P.I. [Virginia Polytechnic Institute] insect collection: history, status, and prospectus. Va. J. Sci. (n.s.)17(3):171-180. July 1966. 470 V81
- 21813 DAVIS, D. E. Integral animal behavior. New York, Macmillan, 1966. 118 p. (Current Concepts in Biology) QL751.D3
Includes insects.
- 21814 DEMOULIN, G. Contribution to the knowledge of Ephemeroptera in Oligocene amber of the Baltic Sea. (Fr) Entomol. Meddeleiser 34(2): 143-153. Ref. 1965. 421 En82
- 21815 GALLOWAY, J. S., RUNION, H. I., and USHERWOOD, P. N. R. An electrophysiological approach to the study of insect behaviour. J. Physiol. 187(2, sup.):9P-10P. Nov. 1966. 447.8 J82
- 21816 GAY, F. J., ed. Scientific and common names of insects and allied forms occurring in Australia. Australia. Commonwealth Sci. Indus. Res. Organ. Bull. 285, 52 p. 1966. 514 Au72B
- 21817 GLOWACKI, J. Results of two years research on the composition of food taken by the tree toad (*Hyla arborea* L.). (Pol) Sylwan 110(8): 65-70. Aug. 1966. 99.8 Sy52
English summary.
Includes insects.
- 21818 GUPTA, A. P., and SUTHERLAND, D. J. In vitro transformations of the insect plasmacyte in some insects. J. Insect Physiol. 12 (11):1369-1375. Ref. Nov. 1966. 421 J825
Periplaneta americana, Galleria mellonella, and Tenebrio molitor.
- 21819 HALEVY, S. Lipids of insect trypanosomatids. Exp. Parasitol. 18(2):296-300. Ref. Apr. 1966. 436.8 Ex7
Crithidia, insect parasites.
- 21820 HARMSEN, R. The excretory role of pteridines in insects. J. Exp. Biol. 45(1):1-13. Ref. Aug. 1966. 442.8 B77
- 21821 HODGSON, E. S. The chemical senses and changing viewpoints in sensory physiology. Viewpoints Biol. 4:83-124. 1965. 442.8 V672
Review of the literature.
Includes insects.
- 21822 HOWDEN, H. F. Entomological ramblings in Mexico. Coleopt. Bull. 20(1):19-26. Mar. 1966. 421 C674
- 21823 KASTING, R., and MCGINNIS, A. J. Radioisotopes and the determination of nutrient requirements. N. Y. Acad. Sci. Ann. 139(1):98-107. Ref. Oct. 7, 1966. 500 N484
Chiefly insects.
- 21824 KLEMSTEIN, J. Freeze drying, a new method for preparation of larvae. (Ge) Entomol. Z. 76(3):17-21. Feb. 1, 1966. 421 En85
- 21825 LARSSON, S. G. Reflections on the Baltic amber inclusions. Entomol. Meddeleiser 34 (2):135-142. 1965. 421 En82
Paleoentomology.
- 21826 LEVINSON, H. Z. Studies on the juvenile hormone (neotenin) activity of various hormonometric materials. Riv. Parasitol. 27(1):47-63. Ref. Mar. 1966. 436.8 R52
In insects.
- 21827 LOCKE, M. Hypotheses for gradient mechanisms in insect epidermis. Naturwissenschaften 53(19):510. Oct. 1, 1966. 474 N213
- 21828 MEDNIKOV, B. M. The correlation between development rate in insects and the nucleotide composition of their ribosome RNA. U. S. Joint Publ. Res. Serv. [Transl.] Correl. Develop. Rate Insects Nucleotide Composition Ribosome RNA, USSR, May 31, 1965:1-6. Ref. 173 J663Cor
Translation from Doklady Akademii Nauk SSSR 161(3):721-723. 1965.
Issued by CFSTI \$1.00.
- 21829 MUNCHBERG, P. New and simple method of marking insects. (Ge) Nachrichtenbl. Bayer. Entomol. 14(7/8):57-61. Ref. Sept. 15, 1965. 421 N11
- 21830 PFEIFER, W. Wörterbuch der deutschen Tiernamen. Insekten. 3. Lieferung [Dictionary of German animal names. Insects. Fasc. 3]. Berlin, Akademie Verlag, 1965. 258-383. 422 W89
- 21831 RODRIGUEZ, J. G. Axenic Arthropoda: current status of research and future possibilities. N. Y. Acad. Sci. Ann. 139(1):53-64. Oct. 7, 1966. 500 N484
- 21832 RUSEV, B. K. Zoobenthos of the Danube River between 845 and 375 river kilometers. I. Composition, distribution and ecology. (Bu) Bulg. Akad. Nauk. Zool. Inst. Muz. Izv. 20:55-131. Ref. 1966. 410.9 B87Z1
German summary.
Includes insects.
- 21833 SCHMIDT, H. Morphological and biological characteristics of the mandibles of forest and timber insects. (Ge) (Condensed.) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Forschungsergeb. Forderung Forstl. Erzeug. 5:53-62. Ref. 1966. 99.34 G31
English summary, p. 73.
- 21834 SCHWOBEL, J. Remarks on the interstitial hyporheic fauna of some streams in the southern Vosges. (Fr) Vie Milieu, Ser. C, Biol. Terrestre 16(1):475-485. Ref. 1965. QH301.V5
English summary.
Includes insects and Hydrachnellae.
- 21835 SINGER, S., GOODMAN, N. S., and ROGOFF, M. H. Defined media for the study of bacilli pathogenic to insects. N. Y. Acad. Sci. Ann. 139 (1):16-23. Ref. Oct. 7, 1966. 500 N484
- 21836 SYBENGA, J. The zygomere as hypothetical unit of chromosome pairing initiation. Genetica 37(2):186-198. Ref. 1966. 442.8 G282
Insects.
- 21837 SZABO, I. New, modified insect extractors. (Hu) Rovartani Kozlemenyek (n.s.)18(18/39): 505-511. 1965. 420 Sol2
English summary.
- 21838 VIDENOVA, E. Virus diseases of insects, pests of agricultural crops. (Bu) Selskospanska Nauk. 5(2):67-74. 1966. 21 Se492
Arachnida, Myriapoda, etc.
- 21839 ALICATA, P. Evaluation of some characteristics in the study of microevolution in Dysderidae. (Arachnida, Araneae). (Fr) Senckenb. Biol. 47(1):5-10, map. Feb. 25, 1966. 410.9 Se5
- 21840 BEDINI, C. Ultrastructure of eyes of the Eucorpius carpathicus (L.). (It) Ist. Super. Sanit. Ann. 11(1/6):107-110. 1965. R65.18
English summary.
Examination with the electron microscope.

- 21841 BLOCK, W. C. The distribution of soil Acarina on eroding blanket bog. *Pedobiologia* 6(1):27-34. Ref. 1966. 56.8 P343
- 21842 BUCHLI, H. The conquest of burrows of the trap-door spider [Nemesia caementaria] Mygalomorphae by Haplodrassus signifer Koch, Aranea, Gnaphosidae. (Fr) Vie Milieu, Ser. C. Biol. Terrestre 16(1):593-598. 1965. QH301.V5
English summary.
- 21843 CHOWDAIAH, B. N. Chromosome studies in two species of pill-millipedes (Diplopoda-Myriapoda). *Caryologia* 19(2):135-141. Apr./June 1966. 442.8 C25
Arthrospira sp. and Arthrospira zebraica.
- 21844 COINEUA, Y. A contribution to the study of Caeceulidae. II. Postlarval development of Microcaceulus hispanicus Franz 1952. (Fr) *Acacologia* 8(1):23-44. Jan. 1966. 434.8 Acl
- 21845 COOKE, J. A. L. Synopsis of the structure and function of the genitalia in Dysdera crocata (Araneae, Dysderidae). *Senckenb. Biol.* 47(1):35-44. Feb. 25, 1966. 410.9 Se5
- 21846 DRUMMOND, R. O., MEDLEY, J. G., and GRAHAM, O. H. Engorgement and reproduction of lone star ticks (Amblyomma americanum (L.)) treated with gamma-radiation. *Int. J. Radiat. Biol.* 10(2):183-188. Ref. 1966. 444.8 In8
- 21847 DUFFEY, E. Spider ecology and habitat structure (Arach., Araneae). *Senckenb. Biol.* 47(1):43-49. Feb. 25, 1966. 410.9 Se5
- 21848 DUMITRESCO, M., and ORGHIDAN, T. Some observations on ecology of pseudoscorpions living in lithoclases (Arachnida, Chelonethida). (Fr) *Senckenb. Biol.* 47(1):81-83. Feb. 25, 1966. 410.9 Se5
In Rumania.
- 21849 EFFORD, I. E. Observations on the life history of three stream-dwelling watermites. *Acacologia* 8(1):86-93. Jan. 1966. 434.8 Acl
Atractides nodipalpis, Lbertia glabra and Ljania bipapillata.
- 21850 FAIN, A. Coxal and femoral glands in Acarina Mesostigmata; preliminary report. (Fr) *Acacologia* 8(1):1-8. Jan. 1966. 434.8 Acl
- 21851 FILIPPONI, A., and FRANCAVIGLIA, G. Oviposition and larviposition of Macrocheles peniculatus Berl. (Acarina, Macrochelidae) regulated by ecological factors. (It) *Int. Super. Sanit. Ann.* 1(1/6):281-304. Ref. 1965. R65.18
English summary.
- 21852 HOWELL, C. J. Collection of salivary gland secretion from the argasid Ornithodoros savignyi Adouin (1827) by the use of a pharmacological stimulant. *S. Afr. Vet. Med. Ass. J.* 37(2):236-239. Ref. June 1966. 41.8 S08
Use of pilocarpine.
- 21853 JOLY, R. Experimental study of the molting cycle and its endocrine regulation in myriapod chilopods. (Fr) *Gen. Compar. Endocrinol.* 6(3):519-533. Ref. June 1966. 444.8 G28
English summary.
Lithobius forficatus L.; includes hormones.
- 21854 JOLY, R. The ultrastructure of the cerebral gland of Lithobius forficatus L. (Myriapoda, Chilopoda). (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):374-377. July 25, 1966. 505 P21
- 21855 LE GUELTE, L. Placement of the retreat and structure of the web of Zygella x-notata (Clerk) (Arachnida, Araneae). (Fr) *Senckenb. Biol.* 47(1):23-25. Feb. 25, 1966. 410.9 Se5
- 21856 LUEKEN, W. Autosomal female determining factors in Armadillidium nasatum (Isopoda terrestria). (Ge) *Z. Vererbungslehre* 97(4):345-352. Ref. 1966. 442.8 Z34
English summary.
- 21857 LUXTON, M. Laboratory studies on the feeding habits of saltmarsh Acarina, with notes on their behaviour. *Acacologia* 8(1):165-174. Ref. Jan. 1966. 434.8 Acl
Edaphic fungi as food for Oribatei.
- 21859 MADGE, D. S. The significance of the sensory physiology of oribatid mites in their natural environment. *Acacologia* 8(1):155-160. Ref. Jan. 1966. 434.8 Acl
- 21859 MCENROE, W. D., and DRONKA, K. Color vision in the adult female two-spotted spider mite. *Science* 154(3750):782-783. Nov. 11, 1966. 470 Sc12
Tetranychus urticae.
- 21860 MIKULSKA, I. Problems presently studied in Polish works on arachnology. (Fr) *Senckenb. Biol.* 47(1):27-28. Feb. 25, 1966. 410.9 Se5
- 21861 PARR, W. J., and HUSSEY, N. W. Diapause in the glasshouse red spider mite (Tetranychus urticae Koch); a synthesis of present knowledge. *Hort. Res.* 6(1):1-21. Ref. May 1966. 80 H7892
- 21862 RAJULU, G. S. Occurrence of dorsal organ in Cingalobolus bugnioni, a diplopod. *Cur. Sci.* 35 (15):393. Aug. 5, 1966. 475 Sc123
- 21863 RAO, K. P., and MURTHY, V. S. R. Oscillographic analysis of some proprioceptors in the scorpion Heterometrus fulvipes. *Nature [London]* 212(5061):520-521. Oct. 29, 1966. 472 N21
- 21864 SOYER, B. Faunistic, ecological notes on the spiders of Albeses. 1. (Fr) *Vie Milieu, Ser. C. Biol. Terrestre* 16(1):632-633. 1965. QH301.V5
- 21865 STREBLE, H. Investigations of the hormone system of Chelicerata with special consideration of the endocrine tissues of Araneae. (Ge) *Zool. Jahrbucher Abt. Allg. Zool. Physiol.* Tiere 72(2/3):157-234. Ref. 1966. 410 Z751Z
- 21866 THALER, K. Arachnida fauna of the central east Alps. (Ge) *Senckenb. Biol.* 47(1):77-80. Ref. Feb. 25, 1966. 410.9 Se5
- 21867 TISCHLER, W. Study of hypolithic fauna of a house terrace. (Ge) *Pedobiologia* 6(1):13-26. Ref. 1966. 56.8 P343
Includes Isopoda and Myriapoda.
- 21868 VACHON, M. Ejection ducts of chelicerous glands in pseudoscorpions (Arachnida). (Fr) *Senckenb. Biol.* 47(1):29-34. Feb. 25, 1966. 410.9 Se5
- 21869 VALESOVA-ZDARKOVA, E. Synanthropic spiders in Czechoslovakia (Arachnida, Araneae). (Ge) *Senckenb. Biol.* 47(1):73-75. Feb. 25, 1966. 410.9 Se5
- 21870 VILJM, L., and DLIKSTRA, H. Comparative research of the courtship-behaviour in the genus Pardosa (Arach. Araneae). 1. *Senckenb. Biol.* 47(1):51-55. Feb. 25, 1966. 410.9 Se5
- 21871 WIEHLE, H. The German Clubiona species, their natural grouping and the similarity in structure of their vulva. (Arachnida, Araneae). (Ge) *Senckenb. Biol.* 46(6):471-505. Ref. Dec. 22, 1965. 410.9 Se5
- 21872 ZDAREK, J. Functional morphology of mouth parts of spiders (Arachnida, Araneae). (Ge) *Senckenb. Biol.* 47(1):57-61. Feb. 25, 1966. 410.9 Se5
- 21873 ZLOTOAREV, Y. K., and YELIZAROV, Y. A. Investigation of the chemoreception in insects and ticks: the peculiarities of the functioning of chemoreceptors in Hyalomma asiaticum P. Sch. et E. Sch. under the action of repellents. *U. S. Joint Publ. Res. Serv. Transl. Zool. Zh. (Zool. J.) USSR* 4:47-63. Ref. (JPRS 25,428; TT 64-31701) 173 J663Tz
Translation from Zoologicheskii Zhurnal 43 (4):549-559. Apr. 1964. CFSTP \$1.75.

Coleoptera

- 21874 AMER, N. M. Effects of homogeneous magnetic fields, ambient gas composition, and temperature on the metamorphosis of Tribolium confusum. *Diss. Abstr.*, Sect. B, 27(3):926B. Sept. 1966. Z5055.U49D53
- 21875 ARRINGTON, R. Comparative morphology of some dryopoid beetles. *Diss. Abstr.*, Sect. B, 27(4):1320B. Oct. 1966. Z5055.U49D53
- 21876 BALL, G. E. Bembiid (Amerizus) oblongulum Mannerheim in New Mexico (Coleoptera: Carabidae) with notes on transcontinental dispersal in Pleistocene time. *Coleopt. Bull.* 20 (1):30-32. Mar. 1966. 421 C674

- 21877 BERNTZEN, A. K. A controlled culture environment for axenic growth of parasites. N. Y. Acad. Sci. Ann. 139(1):176-189. Ref. Oct. 7, 1966. 500 N484
Larval stages of *Hymenolepis diminuta* and *H. nana* maintained in *Tribolium confusum*, adult stages in mice and rats, *Spirometra mansonioides* and *Trichinella spiralis*, in mice and rats, respectively.
- 21879 BUMGARDNER, J. E., and LAMBREMONT, E. N. The lipid-class spectrum and fatty-acid content of the boll weevil egg. *Compar. Biochem. Physiol.* 18(4):975-981. Aug. 1966. 444.8 C73
Anthonomus grandis.
- 21879 BYCHKOVSKAYA, I. B., and OCHINSKAYA, G. K. Absence of "oxygen aftereffect" in granary weevils [*Calandra granaria*] during hibernation induced by low temperature. (Rus) *Radiobiologiya* 5(5):700-702. Ref. 1965. 442.8 R11
In relation to radiation effects.
- 21880 CUNNINGHAM, R. K., and TOMBES, A. S. Succinate oxidase system in the alfalfa weevil, *Hypera postica*, during aestivation (summer diapause). *Compar. Biochem. Physiol.* 18(4):725-733. Ref. Aug. 1966. 444.8 C73
- 21881 DAVIS, G. R. F. Growth and development of prairie grain wireworm *Ctenicera destructor* Brown (Coleoptera: Elateridae), on synthetic diets. *Can. J. Zool.* 44(6):995-1001. Ref. Nov. 1966. 470 C16D
- 21882 DELACHAMBRE, J. Notes on the histophysiology of epidermic oenocytes of nymphs of *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 265(10):764-767. Ref. Sept. 5, 1966. 505 P21
- 21883 FRANCIA, F. C. Studies of some aspects of behaviour in the ambrosia beetle *Trypandendron lineatum* (Olivier). *Diss. Abstr.* Sect. B, 27(4):1010B-1011B. Oct. 1966. Z5055.U49D53
Host plant relations.
- 21884 HOGAN, G. R. Pyrimidines and the X-ray response of *Tribolium confusum*. *Diss. Abstr.* Sect. B, 27(3):947B. Sept. 1966. Z5055.U49D53
- 21885 HUGENTOBLE, H. Observations on *Acanthoscelides obtectus* Say. (Ge) *Entomol. Bl.* 61(2):124-125. Oct. 15, 1965. 421 En833
Adaptation to temperatures.
- 21886 HUGENTOBLE, H. Peculiar behavior of an introduced beetle. (Ge) *Entomol. Bl.* 61(2):124. Oct. 15, 1965. 421 En833
Capsella bursa pastoris.
- 21887 KUDLA, M. Ecology and rearing *Oribium cantharinum* L. (Coleoptera, Cerambycidae). (Ge) *Entomol. Z.* 76(3):21-26. Feb. 1, 1966. 421 En85
- 21889 LABEYRIE, V. Evolution of reproductive capacity during the individual life of the male of *Acanthoscelides obtectus* Say (Coleoptera, Bruchidae). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 265(10):774-777. Sept. 5, 1966. 505 P21
- 21889 LEROI, B. Influence of the date of fecundation on the reproduction of female of *Oryzaephilus surinamensis* L. (Coleoptera, Cucujidae). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(5):529-532. Aug. 1, 1966. 505 P21
- 21900 LOCKSHIN, R. A. Insect embryogenesis: macromolecular syntheses during early development. *Science* 154(3750):775-776. Nov. 11, 1966. 470 Sci2
In *Leptinotarsa decemlineata*, *Tenebrio molitor* and *Dermestes maculata*.
- 21891 MATEU, J. Notes on the biology of *Eremocera surcouffi* Peyerimhoff (Coleoptera Cerambycidae). (Fr) *Vie Milieu, Ser. C, Biol. Terrestre* 16(1):577-582. 1965. QH301.V5
English summary.
- 21892 MORRIS, O. N. Histochemical changes in *Melolontha melolontha* Linnaeus (Coleoptera) infected by a new virus. *Can. J. Microbiol.* 12(5):965-971. Ref. Oct. 1966. 448.8 C162
Vagolavirus melolonthae.
- 21893 MOUNTFORD, M. D. Relation of temperature to the duration of the development of insects. *Nature [London]* 211(5052):993-994. Aug. 27, 1966. 472 N21
Observed in *Tribolium confusum*.
- 21894 NAKASUJI, F. On the predaceous habits of a histerid, *Saprinus speciosus* Erichson, feeding on maggots of medically important flies. (Ja) *Kontyû* 33(4):434-441. Dec. 1965. 421 K833
English summary.
- 21895 SCHEINBERG, E. Genetic gain in populations of *Tribolium castaneum* selected for three quantitative traits under uni-stage tandem selection and under restricted selection indices. *Diss. Abstr.* Sect. B, 27(2):370B. Aug. 1966. Z5055.U49D53
- 21896 STRAMBI, C. Functional differentiation in the rectal tube cells of *Trogilodromus bucheti* gaveli S.C.D. (Coleoptera, Bathyscinidae): absorption of ion potassium. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):397-399. Ref. July 25, 1966. 505 P21
- 21897 TAN, B. D., and JONES, A. W. X-ray induced abnormalities and recovery in *Hymenolepis microstoma*. *Exp. Parasitol.* 18(3):355-373. Ref. June 1966. 436.8 Ex7
Isolated from *Tribolium confusum*.
- 21899 YABLOKOV-KHYZORYAN, S. M. A new *Trechus* species from the Armenian SSR. (Coleoptera, Carabidae). (Rus) *Akad. Nauk Arm. SSR. Dokl.* 43(1):52-60. 1966. 511 Er4D
- 21899 YOUNG, F. N. Genetic variability in a population of *Tropistherus collaris* (Fabricius) (Coleoptera: Hydrophilidae). *Ind. Acad. Sci. Proc.* 75:137-140. 1965, pub. 1965. 500 In2

Diptera

- 21900 ALBUQUERQUE, L. P. DE. Observations on *Protylos armipennis* (Bezzi, 1924) (Diptera, Micropezidae). (Sp) *Rev. Brasil. Biol.* 26(1):39-45. May 1966. 442.8 R326
English summary.
- 21901 BACCETTI, B., and BAIKATI, A. Comparative researches on the ultrastructure of the male germ cells in *Dacus oleae* Gmel. and in *Drosophila melanogaster* Meig. (Ins. Diptera). I-II. (It) *Redia* 49:1-29;81-85. Ref. 1965. 421 R241
English summary.
- 21902 CARLSSON, G. Cytology of the black fly *Prosimulium frohnei* Sommerman. *Hereditas* 55(1):73-78. Ref. 1966. 442.8 H42
- 21903 D'COSTA, M. A., and BIRT, L. M. Changes in the lipid content during the metamorphosis of the blowfly, *Lucilia [cuprina]*. *J. Insect Physiol.* 12(11):1377-1394. Ref. Nov. 1966. 421 J825
- 21904 DINAMARCA, M. L., and LEVENBOOK, L. Oxidation, utilization, and incorporation into protein of alanine and lysine during metamorphosis of the blowfly *Phormia regina* (Meigen). *Arch. Biochem. Biophys.* 117(1):110-119. Ref. Oct. 1966. 381 Ar2
- 21905 GILLARY, H. L. Stimulation of the salt receptor of the blowfly. I-III. *J. Gen. Physiol.* 50(2):337-368. Ref. Nov. 1966. 447.8 J822
Phormia regina.
- 21906 GRIGOLO, A., and LAUDANI, U. Observations on the oxygen consumption during the life cycle of *Musca domestica* L. (It) *Riv. Parasitol.* 27(1):39-46. Ref. Mar. 1966. 436.8 R52
English summary.
- 21907 GUPTA, B. L., and BERRIDGE, M. J. Fine structural organization of the rectum in the blowfly, *Calliphora erythrocephala* (Meig.) with special reference to connective tissue, tracheae and neurosecretory innervation in the rectal papillae. *J. Morphol.* 120(1):23-42. Ref. Sept. 1966. 444.8 J826
- 21909 JOHNSON, B. Ultrastructure of probable sites of release of neurosecretory materials in an insect, *Calliphora stygia* Fabr. (Diptera). *Gen. Compar. Endocrinol.* 5(1):95-108. Ref. Feb. 1966. 444.8 G28
- 21909 KALMYKOV, P. G. Effect of gamma irradiation on changes in oxidative processes of insects. (Rus) *Radiobiologiya* 5(4):505-510. Ref. 1965. 442.8 R11
Protophormia terraenovae.

- 21910 KEYL, H. G., and HAGELE, K. Heterochromatic proliferation in the salivary gland of *Chironomus melanotus*. (Ge) *Chromosoma* 19(3): 223-230. Ref. 1966. 442.8 C46
English summary.
- 21911 KLIMPINA, A. Spermatogenesis of spinach leaf miner. (La) *Vestn. PSR Zinat. Akad. Vestis* 9:89-94. 1965. 511 R442
Russian summary.
Pegomya hyoscyami.
- 21912 LEVENBOOK, L., and DINAMARCA, M. L. Effect of diet on amino acid profiles during metamorphosis of the blowfly *Phormia regina* Meigen. *J. Insect Physiol.* 12(11):1473-1478. Ref. Nov. 1966. 421 J825
- 21913 LUTZ, A., and MEYER, J. Growth in vitro of portions of galls of *Craneiolebia corni* Giraud on *Cornus sanguinea* L. (Fr) *Marcellia* 32(2):79-88. Ref. June 1965. 421 M33
- 21914 LYNEBORG, L. Diptera, Brachycera and Cyclorrhapha on flowers. (Da) *Entomol. Medd.* 30(3):201-262. Ref. 1965. 421 E82
Chiefly ecology and host plant relations.
- 21915 MANWELL, C. Starch gel electrophoresis of the multiple haemoglobins of small and large larval *Chironomus* [plumosus]; a developmental haemoglobin sequence in an invertebrate. *J. Embryol. Exp. Morphol.* 16(2):259-270. Ref. Oct. 1966. 442.8 J829
- 21916 MATUSZEWSKI, B. Nuclear origin of the mitotic spindle in the oogenesis of *Oligotrophus schmidti* (Cecidomyiidae; Diptera). *Chromosoma* 19(2):194-207. Ref. 1966. 442.8 C46
- 21917 MELLINI, E. Biology of Diptera parasitizing adult Coleoptera. (It) *Bologna. Univ. Ist. Entomol. Boll.* 27:171-192. Ref. 1964/65. 420 B63
English summary.
- 21918 MELLINI, E., and CUCCHI, C. Origin and structure of the respiratory funnel induced by *Steiniella callida* Meig. (Diptera, Larvaevoridae) into the larvae of *Melasoma populi* L. (Coleoptera, Chrysomelidae). (It) *Bologna. Univ. Ist. Entomol. Boll.* 27:215-227. 1964/65. 420 B63
English summary.
- 21919 MELLINI, E. Study of Diptera Larvaevoridae. XII. *Memoria maculosa* Meig. as parasite of *Depressaria marcella* Rebel (Lepidoptera, Gelechiidae). (It) *Bologna. Univ. Ist. Entomol. Boll.* 27:145-169. Ref. 1964/65. 420 B63
English summary.
- 21920 PIHAN, J. C. Larval tracheation of *Tipula flavolineata* Meigen (Diptera, Nematocera). (Fr) *Arch. Zool. Exp. Gen.* 107(2):237-259. Ref. 1966. 410 Ar24
- 21921 PIHAN, J. C. Peritrichal gland of *Tipula flavolineata* Meigen. (Fr) *Arch. Zool. Exp. Gen.* 107(2):261-274. Ref. 1966. 410 Ar24
- 21922 RAMADE, F. The ultrastructure of pars intercerebralis in *Musca domestica* L. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(3):271-274. July 18, 1966. 505 P21
- 21923 RIEFFEL, S. M., and CROUSE, H. V. The elimination and differentiation of chromosomes in the germ line of *Sciara* [coprophila]. *Chromosoma* 19(3):231-276. Ref. 1966. 442.8 C46
- 21924 ROTH, E. Investigations on the relationship between metabolism, diurnal rhythm, and length of life in *Musca domestica* L. (Ge) *Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere* 72(2/3): 235-263. Ref. 1966. 410 Z751Z
- 21925 RUSSO-CAIA, N. Di S. Biochemical aspects of metamorphosis in insects. Solubility and sedimentation of acid glycoproteases in larval and pupal tissues of *Musca domestica*. (It) *Roma. Acca. Naz. Lincei. Atti. Rendic.* 39(6): 556-567. Ref. Dec. 1965. 507 R66
English summary.
- 21926 SMYTH, T., and YURKIEWICZ, W. J. Visual reflex control of indirect flight muscles in the sheep blowfly [*Phaenicia sericata*]. *Compar. Biochem. Physiol.* 17(4):1175-1180. Ref. Apr. 1966. 444.8 C73
- 21927 STEVENS, B. J., and SWIFT, H. RNA transport from nucleus to cytoplasm in *Chironomus* [thummi] salivary glands. *J. Cell Biol.* 31(1): 55-77. Ref. Oct. 1966. 442.8 J828
- 21928 STRAZDINA, A. Natural enemies of the beet leaf miner (*Pegomya hyoscyami* Pz.)—parasites and predators. (La) *Latv. PSR Zinat. Akad. Vestis* 5:102-106. Ref. 1966. 511 R442
English summary.
- 21929 SZABO, I., and others. Intestinal microflora of the larvae of St. Marks's fly [*Bibio marci*]. *Acta Microbiol.* 13(1):47-52. Ref. 1966. 448.3 Ac84
M. Marton, I. Buti, and G. Partai, joint authors.
- 21930 ZHUZHNIKOV, D. P. Study of peritrophic membrane in some Diptera in polarized light. (Rus) *Moscow. Univ. Vestnik. Ser. 6. Biol. Pochvoved.* 1:37-41. Ref. Jan./Feb. 1966. 442.9 M854
Musca domestica, *Calliphora erythrocephala* and *Aedes aegypti*, applying microscope.

Culicidae

- 21931 ALLEN, J. R., and WEST, A. S. Some properties of oral secretion from *Aedes aegypti* (L.). *Exp. Parasitol.* 19(1):124-131. Ref. Aug. 1966. 436.8 Ex7
- 21932 BANERJEE, S., and SHARMA, U. Neurosecretory cells in the pupal brain of *Culex fatigans* Wiedemann, 1828 (Diptera, Culicidae). *Naturwissenschaften* 53(19):512. Oct. 1, 1966. 474 N213
- 21933 CHANDRAN, R. S. The effect of normal and high temperature applied during development on the musculature and associated structures in *Aedes stimulans* (Walker) (Diptera: Culicidae). *Diss. Abstr., Sect. B*, 27(3):996B. Sept. 1966. Z5055.U49D53
- 21934 MUKHERJEE, A. B. A comparative study of the karyotypes and pattern of DNA synthesis in mosquitoes. *Diss. Abstr., Sect. B*, 27(4): 1039B-1040B. Oct. 1966. Z5055.U49D53
- 21935 PAULOVOVA, J. On the biometry of imagines of *Culex pipiens molestus* Forskal bred in a laboratory. (Cz) *Biologia* [Bratislava] 21(7): 540-544. 1966. 442.8 B5265
German summary.
Determination of sexes.
- 21936 PETERSEN, J. J. The effects of inorganic salts on the distribution of larval habitats of *Aedes dorsalis* (Meigen) and *Aedes nigromaculis* (Ludlow). *Diss. Abstr., Sect. B*, 27(4): 1333B. Oct. 1966. Z5055.U49D53
- 21937 SANDERS, R. D., and BARR, A. R. Variation in crossing-over between two autosomal loci in males of *Culex pipiens*. *Exp. Parasitol.* 19(1):21-24. Aug. 1966. 436.8 Ex7
- 21938 TAMARINA, N. A. The developmental cycle of *Culex pipiens molestus* Forsk. (Rus) *Moscow. Univ. Vestnik. Ser. 6. Biol. Pochvoved.* 2: 48-56. Ref. Mar./Apr. 1966. 442.9 M854

Drosophila

- 21939 ARNHEIM, N. Regional bristle formation in *Drosophila* in mosaics for "lethal 9-7-1" and "tuffed". *Diss. Abstr., Sect. B*, 27(4):1037B. Oct. 1966. Z5055.U49D53
- 21940 AYALA, F. J. Dynamics of populations. I. Factors controlling population growth and population size in *Drosophila serrata*. *Amer. Natur.* 100(913):333-344. Ref. July/Aug. 1966. 470 Am36
- 21941 BEN-ZEEV, N., and FALK, R. Absence of Y-suppressed lethals in an autosome of *Drosophila*. *Mutation Res.* 3(2):174-176. Apr. 1966. 443.8 M98
Drosophila melanogaster.
- 21942 CARVER, J. E. Fitness studies of a lethal mutant in laboratory populations of *Drosophila melanogaster*. *Diss. Abstr., Sect. B*, 27(3): 691B-692B. Sept. 1966. Z5055.U49D53
- 21943 COLE, T. A., and KEMPER, B. W. An analysis of pupal proteins of *Drosophila melanogaster* by polyacrylamide gel electrophoresis. *Ind. Acad. Sci. Proc.* 75:308-310. 1965, pub. 1966. 500 In2

- 21944 CONNOLLY, K. Locomotor activity in *Drosophila*. II. Selection for active and inactive strains. *Anim. Behav.* 14(4):444-449. Ref. Oct.1966. 410 B77
Drosophila melanogaster.
- 21945 COOK, L. M., and HOLT, A. C. E. Mutagenic activity in *Drosophila* of two pyrrolizidine alkaloids. *J. Genet.* 59(3):273-274. June 1966. 442.8 J823
- 21946 COURTRIGHT, J. B., IMBERSKI, R. B., and URSprung, H. The genetic control of alcohol dehydrogenase and octanol dehydrogenase isozymes in *Drosophila melanogaster*. *Genetics* 54(5):1251-1260. Ref. Nov.1966. 442.8 G28
- 21947 ENGELMANN, W. Effect of light and dark pulses on the emergence rhythm of *Drosophila pseudoobscura*. *Experientia* 22(9):606-608. Sept.15, 1966. 475 E57
- 21948 FAHMY, O. G., and FAHMY, M. J. The nature and distribution of the mutations induced by unirradiated and irradiated heterologous deoxyribonucleic acid in *Drosophila melanogaster*. *Genetics* 54(5):1123-1138. Ref. Nov.1966. 442.8 G28
- 21949 GEER, B. W. Utilization of D-amino acids for growth by *Drosophila melanogaster* larvae. *J. Nutr.* 90(1):31-39. Ref. Sept.1966. 389.8 J82
- 21950 GOLDIN, H. H. Studies on the terminal respiratory system in the minute (2) mutant of *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(3):694B-695B. Sept.1966. Z5055,U49D53
- 21951 GROSSFIELD, J. The influence of light on the mating behavior of *Drosophila*. *Diss. Abstr.*, Sect. B, 27(2):364B. Aug.1966. Z5055,U49D53
- 21952 HEDDLE, J. A., and WOLFF, S. Estimation of the rejoining distance for chromosome exchanges induced in *Drosophila* sperm by combined doses of X-rays and neutrons. *Int. J. Radiat. Biol.* 10(2):207-210. 1966. 444.8 In8
- 21953 HORN, S. Y. An abnormal sex ratio in *Drosophila simulans*. *Diss. Abstr.*, Sect. B, 27(3):696B. Sept.1966. Z5055,U49D53
- 21954 KASTRITSIS, C. D. A comparative chromosome study in the incipient species of the *Drosophila paulistorum* complex. *Chromosoma* 19(2):208-222. Ref. 1966. 442.8 C46
- 21955 KASTRITSIS, C. D., and CRUMPACKER, D. W. Gene arrangements in the third chromosome of *Drosophila pseudoobscura*. I. Configurations with tester chromosomes. *J. Hered.* 57(5):151-158. Ref. Sept./Oct.1966. 442.8 Am3
- 21956 KEITH, A. D. Analysis of lipids in *Drosophila melanogaster*. *Compar. Biochem. Physiol.* 17(4):1127-1136. Ref. Apr.1966. 444.8 C73
- 21957 KIDWELL, J. F., and KEMPTHORNE, O. An experimental test of quantitative genetic theory. *Zuchter* 38(4):163-167. Ref. 1966. 442.8 Z8
Drosophila melanogaster.
- 21959 KING, R. C., BENTLEY, R. M., and AGGARWAL, S. K. Some of the properties of the components of *Drosophila* ooplasm. *Amer. Natur.* 100(913):365-367. July/Aug.1966. 470 Am36
- 21959 KNOWLES, B. B. Fertility and fecundity in the tumorous-head strain of *Drosophila melanogaster* Meig. *Diss. Abstr.*, Sect. B, 27(4):1328B. Oct.1966. Z5055,U49D53
- 21960 KVELLAND, I., and STROMNAES, O. X-ray induced minutes in *Drosophila melanogaster* sperm ejaculated in consecutive matings. *Hereditas* 54(2):170-176. Ref. 1965. 442.8 H42
X-rays used.
- 21961 LEFEVER, H. M. Structure and function of the 3C1,2,3 region of the X-chromosome of *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(2):366B-367B. Aug.1966. Z5055,U49D53
- 21962 LOWER, W. R., HANSEN, E. L., and YARWOOD, A. The use of nematodes cultured asexually on defined medium for biological studies. *Amer. Natur.* 100(913):367-370. Ref. July/Aug.1966. 470 Am36
Includes *Drosophila melanogaster* as test insect.
- 21963 LUCCHESI, J. C. The effect of heterozygous autosomal inversions on induced exchanges between the attached-X and Y chromosomes in *Drosophila melanogaster* females. *Genetics* 54(4):1013-1018. Ref. Oct.1966. 442.8 G28
X-ray study.
- 21964 MANNING, A. *Drosophila* and the evolution of behaviour. *Viewpoints Biol.* 4:125-169. 1965. 442.8 V672
Review of the literature
- 21965 MISRA, R. K. Intra- and inter-specific competition in two sibling species of *Drosophila*, *D. melanogaster* and *D. simulans*. II. Inheritance of body-size and correlated responses in fecundity and fertility of *D. simulans*. *J. Genet.* 59(3):275-282. June 1966. 442.8 J823
- 21966 MISRA, R. K. Vectorial analysis for genetic clines in body dimensions in populations of *Drosophila subobscura* Coll. and a comparison with those of *D. robusta* Sturt. *Biometrics* 22(3):469-487. Ref. Sept.1966. 442.8 B5224
- 21967 MUCKENTHALER, F. A., and MAHOWALD, A. P. DNA synthesis in the ooplasm of *Drosophila melanogaster*. *J. Cell Biol.* 28(2):199-208. Ref. Feb.1966. 442.8 J828
- 21968 MUKHERJEE, R. N. Modification of radiation-induced mutation frequencies by antibiotics in *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(4):1040B. Oct.1966. Z5055,U49D53
- 21969 NOTHIGER, R., and SCHUBIGER, G. Developmental behaviour of fragments of symmetrical and asymmetrical imaginal discs of *Drosophila melanogaster* (Diptera). *J. Embryol. Exp. Morphol.* 16(2):355-368. Ref. Oct.1966. 442.8 J829
- 21970 PARSONS, P. A. The genotypic control of longevity in *Drosophila melanogaster* under two environmental regimes. *Australian J. Biol. Sci.* 19(4):587-591. Ref. Aug.1966. 442.8 Au72
Temperature.
- 21971 RAE, P. M. M. Whole mount electron microscopy of *Drosophila* salivary chromosomes. *Nature [London]* 212(5058):139-142. Oct.8,1966. 472 N21
Drosophila virilis.
- 21972 RAMEL, C. The interchromosomal effect of inversions on crossing-over in relation to non-homologous pairing in *Drosophila melanogaster*. *Hereditas* 54(3):293-306. Ref. 1966. 442.8 H42
- 21973 RAMEL, C. The mechanism of interchromosomal effects on crossing-over. *Hereditas* 54(2):237-248. Ref. 1965. 442.8 H42
In *Drosophila*.
- 21974 ROBERTS, P. A. A tandem duplication that lowers recombination throughout a chromosome arm of *Drosophila melanogaster*. *Genetics* 54(4):969-979. Ref. Oct.1966. 442.8 G28
- 21975 SCOWCROFT, W. R. Variation of scutellar bristles in *Drosophila melanogaster*. X. Selection limits. *Australian J. Biol. Sci.* 19(5):807-820. Ref. Oct.1966. 442.8 Au72
- 21976 SHIOMI, T. Effect of penicillin feeding on the frequency of X-ray induced mutation in *Drosophila melanogaster*. *Genetics* 54(5):1077-1084. Ref. Nov.1966. 442.8 G28
- 21977 SPIESS, E. B., LANGER, B., and SPIESS, L. D. Mating control by gene arrangements in *Drosophila pseudoobscura*. *Genetics* 54(5):1139-1149. Nov.1966. 442.8 G28
- 21979 TROUT, W. D. The so-called recovery phenomenon after irradiation in *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(2):646B. Aug.1966. Z5055,U49D53
- 21979 TULCHIN, N. W. *Drosophila* salivary glands in vitro. *Diss. Abstr.*, Sect. B, 27(4):1040B-1041B. Oct.1966. Z5055,U49D53
- 21980 VANN, E. The fate of X-ray induced chromosomal rearrangements introduced into laboratory populations of *Drosophila melanogaster*. *Amer. Natur.* 100(914):425-449. Ref. Sept./Oct.1966. 470 Am36

Hemiptera (Heteroptera and Homoptera)

- 21981 BENEDEK, P. On the Eurydema species in Hungary. IV. The food-plants and food-plant-chain of *Eurydema olivaceum* (L.) (Heteroptera). (Hu) Rovartani Közlemények (n.s.)18(18/39):459-479. Ref. 1965. 420 So12
English summary.

- 21982 CORREA, R. R., ALVES, U. P., and NODA, J. Note on *Triatoma arthurneivai*, its extradomestic breeding places (Hemiptera, Reduviidae). (Por) Rev. Brasil. Malariol. Doencas Trop. 17 (2/3):217-233. Apr./Sept.1965. 44.8 R3283. English summary.
- 21983 DANILOV, N. V. Structure of the female reproductive system of triatomid bugs, *Rhodnius prolixus* and *Triatoma infestans*, and determination of their physiological age. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(2):223-230. Ref. Mar./Apr.1966. 44.8 M469. English summary.
- 21984 DINGLE, H. The effect of population density on mortality and sex ratio in the milkweed bug, *Oncopeltus*, and the cotton stainer, *Dysdercus* (Heteroptera). Amer. Natur. 100(914):465-470. Sept./Oct.1966. 470 Am36. *Oncopeltus fasciatus* and *Dysdercus fasciatus*.
- 21985 EHANNO, B. Ecological notes on the Miridae (Insecta-Heteroptera) observed on oaks in Brittany. (Fr) Vie Milieu, Ser. C Biol. Terrestre 16(1):517-533. Ref. 1965. QH301.V5. English summary.
- 21986 FORREST, H. S., MENAKER, M., and ALEXANDER, J. Studies on the pteridines in the milkweed bug, *Oncopeltus fasciatus* (Dallas). J. Insect Physiol. 12(11):1411-1421. Ref. Nov.1966. 421 J825.
- 21987 GANESALINGAM, V. K. Some environmental factors influencing parasitization of the eggs of *Nezara viridula* L. (Pentatomidae) by *Telenomus basalis* Wollaston (Hymenoptera: Scelionidae). Ceylon J. Sci. Biol. Sci. 6(1):1-14. Ref. Apr.1966. 475 C33.
- 21988 GHANI, M. A., and RAO, V. P. Investigations on the morphology, phenology and biology of *Adelges* (Dreyfusiella) kmucheli and A. (D.) joshii (Schneider-Orelli & Schneider) (Hem. Adelgidae) in the north west Himalayan region (India and Pakistan). Commonwealth Inst. Biol. Contr. Tech. Bull. 7:1-58. Ref. June 1966. 423.92 C733T.
- 21989 HALKKA, O., and MIKKOLA, E. Characterization of clones and isolates in a case of balanced polymorphism. Hereditas 54(2):140-148, map. Ref. 1965. 442.8 H42. In the spittlebug *Philaenus spumarius*.
- 21990 JASZFALUSI, L. The pests of fishes, water bugs. (Hu) Halaszat 12(3):69. May/June 1966. 414.8 H12.
- 21991 KINSELLA, J. E. Observations on the changing lipid patterns during the life cycle of *Oncopeltus fasciatus*. Compar. Biochem. Physiol. 17(4):1209-1211. Apr.1966. 444.8 C73.
- 21992 KIRITANI, K., and HOKYO, N. Variation of egg mass size in relation to the oviposition pattern in Pentatomidae. Kontyu 33(4):427-432. Dec.1965. 421 K33.
- 21993 KOBAYASHI, T. Developmental stages of *Brachynema* and its allied genus of Japan (Pentatomidae). XV. The development stages of some species of the Japanese Pentatomidae. Kontyu 33(3):304-309. Sept.1965. 421 K333. Plautia.
- 21994 LAFETA, L. P. Influence of light on hatching of *Panstrongylus megistus* Burmeister 1835 eggs. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(2/3):233-237. Apr./Sept.1965. 44.8 R3283. English summary.
- 21995 LENT, H., and JURBERG, J. The larval stages of *Phloeophana longirostris* (Spinola, 1837). (Hemiptera, Pentatomidae). (Sp) Rev. Brasil. Biol. 26(1):1-4. May 1966. 442.8 R326.
- 21996 LOCKE, M. The gradient concept in the development of the integument of insects. Naturwissenschaften 53(19):510. Oct.1,1966. 474 N213. *Rhodnius prolixus*.
- 21997 LOWE, A. D. Aphids trapped at three sites in Canterbury, New Zealand, over four years, with flight patterns for nine main species. New Zeal. J. Agr. Res. 9(3):771-807, map. Aug.1966. 23 N4892.
- 21998 MACKAUER, M., and HEIE, O. Notes on some Danish aphid parasites (Hym., Aphididae). Entomol. Meddelelser 34(2):103-106. 1965. 421 En82.
- 21999 MADDRELL, S. H. P. Nervous control of the mechanical properties of the abdominal wall at feeding in *Rhodnius prolixus*. J. Exp. Biol. 44(1):59-68. Ref. Feb.1966. 442.8 B77.
- 22000 MITSUHASHI, J. Aseptic rearing of leafhoppers and planthoppers (Hemiptera: Cicadellidae and Delphacidae). Kontyu 33(3):271-274. Sept.1965. 421 K333. Includes viruses.
- 22001 NASU, S., and SUENAGA, H. On the embryonic development of planthoppers. 27 p. Ref. Transl. 15408. *Sogatella furcifera*, *Nilaparvata lugens* and *Laodelphax striatellus*. Translation from Kyushu, Agricultural Experiment Station, Bulletin 5(1):71-84. 1958.
- 22002 NUR, U. The effect of supernumerary chromosomes on the development of mealy bugs [*Pseudococcus obscurus*]. Genetics 54(5):1239-1249. Nov.1966. 442.8 G28.
- 22003 NUR, U. Harmful supernumerary chromosomes in a mealy bug population [*Pseudococcus obscurus*]. Genetics 54(5):1225-1238. Ref. Nov.1966. 442.8 G28.
- 22004 PARSONS, M. C. Labial skeleton and musculature of the Hydrocorisidae (Heteroptera). Can. J. Zool. 44(6):1051-1084. Ref. Nov.1966. 470 C16D.
- 22005 SMITH, B. D. Effect of the plant alkaloid sparteine on the distribution of the aphid *Acyrtosiphon spartii* (Koch.). Nature [London] 212 (5058):213-214. Oct.8,1966. 472 N21. On *Sarothamnus scoparius*.
- 22006 STADDON, B. W. The permeability to the cuticles of some adult water bugs [*Lyocoris cimicoides*, *Corixa dentipes*, and *Notonecta glauca*]. J. Exp. Biol. 44(1):69-76. Feb.1966. 442.8 B77.
- 22007 TOBA, H. H. Crowding as the primary factor in the production of the agamic alate form of the spotted alfalfa aphid, *Therioaphis maculata* (Buckton) (Homoptera: Aphididae). Diss. Abstr., Sect. B, 27(2):512B-513B. Aug.1966. Z5055.U49D53.
- 22008 TODD, L. Some new developments in the chemistry of natural colouring matters. Chem. Brit. 2(10):428-434. Oct.1966. 382 C4224. Aphid pigments.
- 22009 VIRAG, J. E. The swarming and distribution in Hungary of *Calligypona marginata* F., and *C. pellucida* F., (Delphacidae), on the basis of light-trap data for the years 1964. (Hu) Rovartani Közlemenyek (n.s.)18(18/39):575-585, map. 1965. 420 S02. English summary.
- 22010 WICHARD, W. Notes on hypertrophy of pronotum of Membracidae (Homoptera). (Ge) Nachrichtenbl. Bayer. Entomol. 14(11/12):123-125. Dec.15,1965. 421 N11.
- 22011 WOLFE, S. L., and HEWITT, G. M. The strandeness of meiotic chromosomes from *Oncopeltus fasciatus*. J. Cell Biol. 31(1):31-42. Ref. Oct.1966. 442.8 J528.

Hymenoptera

SEE ALSO Apiculture and Apis mellifera.

- 22015 BUSCHINGER, A. Studies of Harpagoxenus sublaevis Nyl. (Hymenoptera, Formicidae). I. Field observations on distribution and habits. (Ge) Insectes Sociaux 13(1):5-16, map. Ref. Mar. 1966. 421 In79
English summary.
- 22016 CELLI, G. A contribution to the study of Hymenoptera parasitizing leaf miners. III. Notes on some parasites and hyperparasites of leaf mining insects of poplars (Paraleucoptera sinuella Rttl., Phytomyza populi Klth.), of plane trees (Lithocolletis platani Stgr.) and of cherries (Lithocolletis cerasicolella H. S.). (It) Bologna, Univ. Ist. Entomol. Boll. 27:49-70. Ref. 1964/65. 420 B63
English summary.
- 22017 CHAUVIN, R. Method for the automatic collection of the prey which Formica polyctena brings back to its nest. (Fr) Insectes Sociaux 13(1):59-67. Mar. 1966. 421 In79
English summary.
Equipment.
- 22018 CONNER, G. W. Preferential segregation in Mormonella [vitripennis]. Genetics 54(4):1041-1048. Oct. 1966. 442.8 G28
- 22019 FENILI, G. A. Contribution to the study of the ethology and morphology of Monophadnus longicornis Hartig (Hymenoptera Tenthredinidae). (It) Redia 49:255-309. Ref. 1965. 421 R241
English summary.
- 22020 GRANDI, G. A study of Osmia emarginata Lepelet as 32nd contribution to the study of Aculeata, Hymenoptera. (It) Bologna, Univ. Ist. Entomol. Boll. 27:127-144. Ref. 1964/65. 420 B63
English summary.
Ecology and ethology.
- 22021 HABERMANN, E., and JENTSCH, J. The structure of the toxic bee-venom peptide melittin and its relation to the pharmacological effect. 1 p. Transl. 16201
Translation from Naunyn-Schmiedeberg's Archiv für Experimentelle Pathologie und Pharmakologie 253(1):40-41. 1966.
- 22022 IWATA, K., and TACHIKAWA, T. Biological observations on 53 species of the superfamilies Chalcidoidea and Proctotrupoidea, from Japan (Hymenoptera: Apocrita). Shikoku Entomol. Soc. Trans. 9(1):1-29. Apr. 1966. 420 Sh6
- 22023 IWATA, K. Description of the nest of the gaint paperwasp, Polistes gigas Kirby from Formosa, with some ethological considerations (Hym., Vespidae). Kontyu 33(3):284-290. Sept. 1965. 421 K833
- 22024 JAYAKAR, S. D., and SPURWAY, H. Sex ratios of some mason wasps (Vespoidea and Sphecoidea). Nature [London] 212(5059):306-307. Oct. 15, 1966. 472 N21
- 22025 KAJITA, H. On the longevity of Anictus ceroplastis Ishii (Hymenoptera: Encyrtidae). (Ja) Kontyu 33(3):267-270. Sept. 1965. 421 K833
English summary.
- 22026 KATAYAMA, E. Studies on the development of the broods of Bombus diversus Smith (Hymenoptera, Apidae). I. On the egg-laying habits. Kontyu 33(3):291-298. Sept. 1965. 421 K833
- 22027 LÄNDOLT, A. M., and RIS, H. Electron microscope studies on soma-somatic interneuronal junctions in the corpus pedunculatum of the wood ant (Formica lugubris Zett.). J. Cell. Biol. 28(2):391-403. Ref. Feb. 1966. 442.8 J828
- 22028 MAN'KO, V. V. Parasitic Hymenoptera of currant borer, Synanthedon tipuliformis Cl. under conditions of Belorussia. (Rus) Akad. Nauk Belorussk. SSR, Dokl. 10(7):522-523. July 1966. 511 M663D
- 22029 MCCURK, D. J., and others. Volatile compounds in ants: identification of 4-methyl-3-heptanone from Pogonomyrmex ants. J. Insect Physiol. 12(11):1435-1441. Ref. Nov. 1966. 421 J825
J. Frost, E. J. Eisenbraun, K. Vick, W. A. Drew, and J. Young, joint authors.
- 22030 MONTAGNER, H. Determination of abortive brood in the nests of wasps of the genus Vespa. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(11):826-829. Sept. 12, 1966. 505 P21
Nutritional study with the use of radioactive gold.
- 22031 MONTAGNER, H. On the determinism of female castes in the wasps of the genus Vespa. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):547-549. Aug. 1, 1966. 505 P21
- 22032 NAKASUJI, F. Difference of the activity of hymenopterous parasites with special reference to the depth of the pupation site of fly larvae. (Ja) Kontyu 33(4):441-445. Dec. 1965. 421 K833
English summary.
Spalangia nigra on the pupae of Muscina angustifrons.
- 22033 NUORTEVA, M. Possible diffusion of nuclear polyhedrosis of Neodiprion sertifer Geoffr. (Hymenoptera, Diprionidae). (Ge) Anz. Schädlingkunde 39(4):49-52, map. Ref. Apr. 1966. 421 An9
- 22034 OZOLS, E. The study of the biocoenosis of Ichneumonidae of flowering buckwheat (Ichneumonidae, Hymenoptera). (La) Latvijas Entomol. 10:16-24. 1965. 421 L35
German summary.
Includes host insects and their food plants.
- 22035 PETERS, D. S. Ancistrocerus scoticus (Curtis 1826) in southern Yugoslavia (Hym., Vesp.). (Ge) Entomol. Z. 76(4):46. Feb. 15, 1966. 421 En85
- 22036 SHAUMAR, N. Anatomie du système nerveux et analyse des facteurs externes pouvant intervenir dans le déterminisme du sexe chez les Ichneumonidae Pimplinae [Anatomy of the nervous system and the analysis of external factors which can determine the sex of Ichneumonidae, Pimplinae. Ann. Sci. Natur. Zool. Biol. Anim. (ser. 12) 8(3):391-493. July/Sept. 1966. 410 An7
Bibliography, p. 488-493.
- 22037 STRAMBI, A. Effect of Xenos vesparum Rossi (Strepsiptera) on the neurosecretion of the founding females of Polistes gallicus L. (Hymenoptera, Vespidae) in diapause. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):533-535. Aug. 1, 1966. 505 P21
- 22039 TORO, H., and GALLARDO, S. Variation in Chlorion latreillei (Hymenoptera, Sphecidae). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:45-60. 1966. 420 C432
A study of 229 examples.
- 22039 TOROSSIAN, C. Study of the biology and ethology of myrmecophiles. III. Experimental study of the specificity of the adoption of myrmecophilic ants of the family Brevitidae (Coleopoda), i.e. Amorphacephalus coronatus (German) and different species of ants. (Fr) Insectes Sociaux 13(1):39-50. Ref. Mar. 1966. 421 In79
English summary.
- 22040 WATANABE, C. Notes on braconid parasites of Naranga aeneascens Moore occurring in Japan (Hymenoptera: Braconidae). Insecta Matsumurana 28(2):131-132. Mar. 1966. 421 In77
- 22041 WILKES, A. Sperm utilization following multiple insemination in the wasp Dahlbominus fuscipennis. Can. J. Genet. Cytol. 8(3):451-461. Ref. Sept. 1966. 443.8 C16

Lepidoptera

SEE ALSO Sericulture and the Silkworm.

- 22042 ANDERSON, E., and HARVEY, W. R. Active transport by the Cecropia midgut. II. Fine structure of the midgut epithelium. J. Cell Biol. 31(1):107-134. Ref. Oct. 1966. 442.8 J828
Potassium transport in Hyalophora cecropia.
- 22043 ANDRES, K. Once again on the rearing of Dasychira abietis (Lepidoptera, Lymantriidae). (Ge) Entomol. Z. 76(3):26-28. Feb. 1, 1966. 421 En85

- 22044 BALAZS, B. K. Swarming data on Lepidoptera pests as related to meteorological factors. (Hu) Rovartani Közlemenyek (n.s.) 18(18/39): 481-504, 1965. 420 So12
English summary.
- 22045 BALOCH, G. M., DIN, I. M., and GHANI, M. A. Biology and host-plant range of *Oeobia verbasalis* Schiff. (Pyralidae: Lepidoptera): an enemy of *Xanthium strumarium* L. Commonwealth Inst. Biol. Contr. Tech. Bull. 7:81-90. June 1966. 423.92 C7337
- 22046 BANERJEE, A. C. The biology of *Crambus trisetus* Walker, in Illinois and notes on related species. Diss. Abstr., Sect. B, 27(3): 848B-849B, Sept. 1966. Z5055,U49D53
- 22047 BLASCH, G. Studies on the rearing of *Dasychnira selenica* (Lepidoptera, Lymantriidae). (Ge) Entomol. Z. 75(23):270-272. Dec. 1, 1965. 421 En85
- 22048 BOT, J. An artificial diet for the *Plusia* loopers, *Plusia acuta* Walker. S. Afr. J. Agr. Sci. 9(1):67-70. Mar. 1966. 24 Su3
Pest of tomato.
- 22049 BRIOLINI, G. Morphological and ethological studies of *Paraleucopha sinuella* Rtt. (Lepidoptera, Lyonetidae). (It) Bologna. Univ. Ist. Entomol. Boll. 27:229-243. 1964/65. 420 B63
English summary.
- 22050 BURCEFF, H. Kreuzungsanalysen von Georassen der Gattung *Zygaena* Fab. (Lep.); Aufbau einer Subspezies aus Populationstypen [Analysis of hybrids of the geographical races of the genus *Zygaena* Fab. (Lep.); construction of a subspecies from population types]. Akad. Wiss. Göttingen. II. Math.-Phys. Kl. Nachr. 14:187-205. 1965. 509 G71
- 22051 BURMANN, K. Observations of butterfly migration in 1963 and 1964. (Ge) Nachrichtenbl. Bayer. Entomol. 14(5/6):46-54. July 15, 1965. 421 N11
- 22052 CAVALLORO, R., and CIRIO, U. Accumulation and elimination of radioisotopes in some species of holometabolous, phytophagous insects. (It) Redia 49:239-253. Ref. 1965. 421 R241
English summary.
Radioactive strontium, cesium, and iodine tested on Noctuidae, Thaumetopoeidae, and Scarabaeidae.
- 22053 COMSTOCK, A. A life history of *Philetes mohave* (Lepidoptera: Lycaenidae). San Diego Soc. Natur. Hist. Trans. 14(10):133-135. June 10, 1966. 410.9 Sa547
- 22054 DAELE, E. VAN, and PELERENTS, C. Notes on immigrant species of moths in the region of the confluence of the rivers Scheldt and Lys. (Du) Biol. Jaarb. 33:220-233. Ref. 1965. 410 B52
English summary.
- 22055 EDWARDS, J. S. Neural control of metamorphosis in *Galleria mellonella* (Lepidoptera). J. Insect Physiol. 12(11):1423-1433. Ref. Nov. 1966. 421 J825
- 22056 EYLES, A. C. A predator on *Wiseana* (Lepidoptera: Hepialidae). New Zeal. J. Agr. Res. 9(3):699-703. Aug. 1966. 23 N4892
Thyreococephalus chloropterus, as predator.
- 22057 GUSSIN, A. E. S. Lipid metabolism in the Mediterranean meal moth *Ephestia kuehniella* Zeller during its life cycle. Ind. Acad. Sci. Proc. 75:311-318. Ref. 1965, pub. 1966. 500 In2
- 22058 HACKRAY, J. Rearing *Boarmia maculata* Stgr. f. *bastelbergeri* Hirschke. (Fr) Lam-billionea 64(1/4):9-10. Oct. 25, 1965. 420 N15
- 22059 HANEC, W. Cold-hardiness in the forest tent caterpillar, *Malacosoma disstria* Hubner (Lasiocampidae, Lepidoptera). J. Insect Physiol. 12(11):1443-1449. Ref. Nov. 1966. 421 J825
- 22060 HERRERA, J. A hermaphrodite example of *Quillaphotosus janirioides* (Blanchard) (Lepidoptera, Satyridae). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:127-133. 1966. 420 C432
- 22061 HORN, D. H. S., MIDDLETON, E. J., and WUNDERLICH, J. A. Identity of the moulting hormones of insects and crustaceans. Chem. Commun. 11:339-341. June 8, 1966. 382 C4223
Ecdysone in *Antheraea pernyi*.
- 22062 JACOBSON, G. M. Estorases of the wax moth (*Galleria mellonella*). Diss. Abstr., Sect. B, 27(4):1059B. Oct. 1966. Z5055,U49D53
- 22063 KLEINHOUT, J. On parasematism in the moth *Atolmis* (*Gnophria*) *rubricollis* (L.) (Arct.). Vie Milieu, Ser. C. Biol. Terrestre 16(1):543-547. 1965. QH301.V5
- 22064 KOPVILLEM, H. Kapustnaya mol', ee biologiya i entomofagi [The cabbage moth [*Plutella maculipennis*], its biology and entomophagous]. Tartu, 1965. 60 p. SB945.D5K6
German summary.
Bibliography, p. 45-56.
- 22065 LAEVERE, E. DE. Microclimate. (Fr) Lam-billionea 64(11/12):55-57. Dec. 20, 1965. 420 N15
And collecting *Erannis defoliaria* and *E. bajoria*.
- 22066 LAVIOLETTE, P., and BONNOT, G. Transamination in *Galleria mellonella*. The effect of a viral infection (virus disease with dense nuclei) on transaminase activity. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):5-12. Ref. 1966. 442.8 An75
English summary.
- 22067 LORKOVIC, Z. Recent confusion about the second generation of *Euchloe orientalis* Brem. (Lepidoptera, Pieridae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(1):1-4. (Cont.) Jan. 15, 1965. 421 N11
- 22068 LORKOVIC, Z. Recent confusion about the second generation of *Euchloe orientalis* Brem. (Lepidoptera, Pieridae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(2):10-15. (Concl.) Ref. Feb. 15, 1965. 421 N11
- 22069 MALICKY, H. Reference to an ecological problem of *Yponomeuta* Latr. (Lepidoptera, Yponomeutidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(2):9-10. Feb. 15, 1965. 421 N11
- 22070 MATTONI, R. H. T. Distribution and pattern of variation in *Philetes* rita. J. Res. Lepidoptera 4(2):81-101, map. Ref. June 1965. 421 J827
- 22071 MESZAROS, Z. The study of swarming of *Phycitidae* pests with light traps (Lepidoptera). (Ge) Rovartani Közlemenyek (n.s.) 18(18/39): 375-387. Ref. 1965. 420 So12
- 22072 MEUDECE, M. Effect of temperature and light during development on the status of ovary at eclosion in *Acrolepia assectella* Zeller (Insecta, Lepidoptera). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):554-557. Aug. 1, 1966. 505 P21
- 22073 MISHRA, S. C., and PANDEY, N. D. Observations of the life history of *Ateva fabriciella* Swed. (Yponomeutidae, Lepidoptera) a pest of *Alnus excelsa* at Kanpur. Indian Forest. 92(7):461-464. July 1966. 99.8 In2
- 22074 MULLER, I., PENTZ, S., and HARTE, C. The dependence of the somatic mutation spectrum of *Ephestia kuehniella* on the stage of development of the irradiated animals. (Ge) Z. Vererbungslehre 97(4):353-360. Ref. 1966. 442.8 Z34
English summary.
X-rays.
- 22075 NAGASAWA, S. Number of larval moults and the growth of the head capsule in successive instars in the "Shimizu" race of the gypsy moth, *Lymantria dispar* L. Problems on the breeding of insects for biological assay of insecticides. XXXVIII. Kontyu 33(4):466-474. Ref. Dec. 1965. 421 K833
- 22076 NEKRUTENKO, Y. P. Three cases of gynandromorphism in *Gonapteryx*; an observation with ultraviolet rays. J. Res. Lepidoptera 4(2):103-107. June 1965. 421 J827
Gonapteryx cleopatra and *G. rhamni*.
- 22077 OBERLANDER, H. The action of hormones at the cellular level during the post-embryonic development of saturniid moths. Diss. Abstr., Sect. B, 27(2):643B. Aug. 1966. Z5055,U49D53
- 22078 PARISH, R. H., and MATERU, M. E. A. The young stages and adult genitalia of the coffee leaf miner *Leucoptera myricella* Ghes., (Lepidoptera, Lyonetidae). Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 477, 5 p. Nov. 26, 1964. 423.92 G7922

- 22079 PAYNE, R. S., ROEDER, K. D., and WALL-MAN, J. Directional sensitivity of the ears of noctuid moths. *J. Exp. Biol.* 44(1):17-31. Ref. Feb. 1966. 442.8 B77
- 22080 PERRON, J. M., HUOT, L., and SMIRNOFF, W. A. Comparative toxicity of aluminum, arsenic, boron, cobalt, copper, fluorine, iron, iodine, lithium, magnesium, molybdenum and zinc to *Plodia interpunctella* Hbn. (Lepidoptera). (Fr) *Compar. Biochem. Physiol.* 18 (4):869-879. Ref. Aug. 1966. 444.8 C73
- 22081 SAKAI, T., and MASAKI, S. Photoperiod as a factor causing seasonal forms in *Lycaenidia daimio* Seitz (Lepidoptera: Lycaenidae). *Kontyû* 33(2):275-283. Ref. Sept. 1965. 421 K833
- Wing coloration and diapause.
- 22082 SARGENT, T. D. Background selections of geometrid and noctuid moths. *Science* 154 (3757):1674-1675. Dec. 30, 1966. 470 Sci2
- 22083 SARLET, L. G. Description of eggs of Lepidoptera: Fauna of Belgium. (Fr) *Lambillionea* 63(9/12):49-57. (Cont.) Sept. 25, 1965. 420 N15
- 22084 SARLET, L. G. Description of eggs of Lepidoptera. Fauna of Belgium. (Fr) *Lambillionea* 65(1/2):13-16. (Cont.) Dec. 25, 1965. 420 N15
- 22085 SHAPIRO, M. Pathologic changes in the blood of the greater wax moth, *Galleria mellonella* (Linnaeus), during the course of starvation and nucleopolydrosis. *Diss. Abstr.* Sect. B, 27 (4):1334B. Oct. 1966. Z5055.U49D53
- 22086 SMIRNOFF, W. A. A nucleopolydrosis of *Pandemia lampyris* Grote. *Can. J. Microbiol.* 12(5):1076-1077. Oct. 1966. 448.8 C162
- 22087 STEVENSON, E. Rapid oxidation of palmitate with concomitant phosphorylation of adenosine 5'-diphosphate by moth [*Prodenia litura*] flight-muscle mitochondria. *Biochim. Biophys. Acta* 128(1):29-33. Ref. Oct. 17, 1966. 381 B522
- 22088 STROBINO, R., and DUJARDIN, F. Lepidoptera on the snow. (Fr) *Entomops* 1:8-13. First Q. 1965. QL461.E53
- In early spring in the mountains.
- 22089 STROBL, A. Study of *Paradiarsia punicea* Hb. (Lepidoptera, Noctuidae). (Ge) *Nachrichtenbl. Bayer. Entomol.* 14(7/8):61-74, map. (Cont.) Sept. 15, 1965. 421 N11
- Biology.
- 22090 STROBL, A. Study of *Paradiarsia punicea* Hb. (Lepidoptera, Noctuidae). (Ge) *Nachrichtenbl. Bayer. Entomol.* 14(9/10):87-98. (Concl.) Ref. Oct. 15, 1965. 421 N11
- Biology.
- 22091 TOUZEAU, J. Influence of temperature on the emergence of early codling moth (*Laspeyresia pomonella* L.) in southwestern France. (Fr) *Rev. Zool. Agr. Appl.* 65(1/3):41-49. First Q. 1966. 410.9 Sol2
- 22092 VAGO, C., QUIOT, J. M., and LUCIANI, J. Infection of Lepidoptera tissue cultures with the purified virus from the thick nucleus. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 265(10):799-800. Ref. Sept. 5, 1966. 505 P21
- In *Galleria mellonella*.
- 22093 VAGO, C., DUTHOIT, J. L., and DELAHAYE, F. Nuclear inclusions of the dense nucleose virosis in Lepidoptera, *Galleria mellonella*. (Fr) *Arch. Gesamte Virusforsch.* 18(3):344-349. 1966. 448.3 Ar23
- English summary.
- 22094 WARD, G. L. Parasitism in a population of the bagworm (*Thyridopteryx ephemeraeformis*). *Ind. Acad. Sci. Proc.* 75:148. 1965, pub. 1966. 500 In2
- Includes *Itopectis conquisitor*.
- 22095 WEBER, T. Variations in the development of *Coleophora laricella* Hb. (Ge) *Anz. Schädlingkunde* 39(5):72-73. May 1966. 421 An9
- Larvae and pupae.
- 22096 WEEVERS, R. DE G. The physiology of a lepidopteran muscle receptor. I. The sensory response to stretching. *J. Exp. Biol.* 44(1):177-194. Ref. Feb. 1966. 442.8 B77
- 22097 WEEVERS, R. DE G. The physiology of a lepidopteran muscle receptor. II. The function of the receptor muscle. *J. Exp. Biol.* 44(1):195-208. Ref. Feb. 1966. 442.8 B77
- WEIRAUCH, G. A successful rearing of *Eugraphe subrosea* (Lep., Noctuidae). (Ge) *Entomol. Z.* 76(4):33-39. Feb. 15, 1966. 421 En85
- 22099 WELLSO, S. G., and ADKISSON, P. L. A long-day short-day effect in the photoperiodic control of the pupal diapause of the bollworm, *Heliothis zea* (Boddie). *J. Insect Physiol.* 12(11):1455-1465. Ref. Nov. 1966. 421 J825
- 22100 WETZEL, K. Rearing polyphagous caterpillars. (Ge) *Entomol. Z.* 76(3):28. Feb. 1, 1966. 421 En85
- Eudia pavonia*, *Arctia caja* and *Papilio machaon*.
- 22101 WHITE, J. F., and SASTRODIHARDJO, S. Meiosis in pupal ovarian cells of *Samia cynthia* cultured in vitro. *Nature [London]* 212(5059):314-315. Oct. 15, 1966. 472 N21
- 22102 WOHLFAHRT, T. A. Is *Ipichlides podalirius* L. a migrating butterfly (Lepidoptera, Papilionidae). (Ge) *Nachrichtenbl. Bayer. Entomol.* 14(11/12):105-111. Ref. Dec. 15, 1965. 421 N11

Orthoptera

- 22103 ALEXANDER, R. D. The evolution of cricket chirps. *Natur. Hist.* 75(9):26-31. Nov. 1966. 500 N483J
- 22104 BACCETTI, B., and GONNELLI, A. Notulae Orthopterologicae. XX. Comparative morphology of the proventriculus in the Italian Orthoptera. (It) *Redia* 49:31-69. Ref. 1965. 421 R241
- English summary.
- Ensifera Tettigonioidae*.
- 22105 BEDFORD, G. O., and CHINNICK, L. J. Conspicuous displays in two species of Australian stick insects. *Anim. Behav.* 14(4):518-521. Ref. Oct. 1966. 410 B77
- Eurycnema goliath* and *Tropidoporus chilendri*.
- 22106 BENTLEY, D. R., and KUTSCH, W. The neuromuscular mechanism of stridulation in crickets (Orthoptera: Gryllidae). *J. Exp. Biol.* 45(1):151-164. Ref. Aug. 1966. 442.8 B77
- 22107 BESSE, N. DE. Study of neurohemal organs associated with central nervous system in two cockroaches, *Leucophaea maderae* and *Periplaneta americana*. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):404-407. July 25, 1966. 505 P21
- 22108 CASSIER, P. The effect of the removal of one corpus allatum on the fecundity and progeny of isolated females of the migratory locust (*Locusta migratoria migratorioides* R. et F.) (Orthopteroidea, Acrididae). (Fr) *Insectes Sociaux* 13(1):17-27. Ref. Mar. 1966. 421 In79
- English summary.
- 22109 COLOMBO, G., and PINAMONTI, S. Tryptophan metabolites from kynurenine in *Schistocerca gregaria* Forsk during embryonic development. (It) *Rome. Accad. Naz. Lincei, Atti. Rend.* 38(5):728-731. Ref. May 1965. 507 R66
- English summary.
- 22110 ELAYIDOM, N. B., and SUBRAMANIAM, M. K. Some interesting cytological features of male *Spathosternum prasinerum* Walk. *Cur. Sci.* 35(14):357-358. Ref. July 20, 1966. 475 Sci23
- Chromosome study.
- 22111 ERGASHEV, N. New data on the fauna of crickets in the Uzbekistan. (Rus) *Uzbekistan Akad. Nauk. Dokl.* 3:53-54. 1966. 511 U21
- 22112 FLORENTINE, G. J. Response characteristics of abdominal stretch receptors of the American cockroach, *Periplaneta americana* (L.) (Orthoptera: Blattellidae). *Diss. Abstr.* Sect. B, 27(2):590B-591B. Aug. 1966. Z5055.U49D53
- 22113 FOX, D. P. The effects of X-rays on the chromosomes of locust [*Schistocerca gregaria*] embryos. I. The early responses. *Chromosoma* 19(3):300-316. Ref. 1966. 442.8 C46
- 22114 GETTRUP, E. Sensory regulation of wing twisting in locusts [*Schistocerca gregaria*]. *J. Exp. Biol.* 44(1):1-16. Ref. Feb. 1966. 442.8 B77

- 22115 GIRARDIE, A., and VOGEL, A. Study of the neurohumoral control of the sexual activity of male *Locusta migratoria*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):543-546. Aug. 1, 1966. 505 P21
- 22116 HAFEZ, M., and IBRAHIM, M. M. The possible receptors of humidity and temperature in two Egyptian grasshoppers, *Aiolopus thalassimus* F. and *Sphingonotus carinatus* Sausa. (Orthoptera: Acrididae). Soc. Entomol. Egypte. Bull. 48:245-257. Ref. 1964, pub. 1965. 420 E99
Possibly antennae.
- 22117 HAGOPIAN, M. The myofibril arrangement in the femoral muscle of the cockroach, *Leucophaea maderae* Fabricius. J. Cell Biol. 28 (3):545-554. Ref. Mar. 1966. 442.8 J828
Electron microscopy used.
- 22119 HENDERSON, S. A. Time of chiasma formation in relation to the time of deoxyribonucleic acid synthesis. Nature [London] 211(5053): 1043-1047. Ref. Sept. 3, 1966. 472 N21
Studied in *Schistocerca gregaria*.
- 22119 HOFFMANN, J. A. Ultrastructural study of two granular haemocytes of the Locusta migratoria (Orthoptera). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):521-524. Aug. 1, 1966. 505 P21
- 22120 HUDDART, H., and WOOD, D. W. The effect of DNP on the resting potential and ionic content of some insect skeletal muscle fibres. Compar. Biochem. Physiol. 18(4):681-688. Ref. Aug. 1, 1966. 444.8 C73
Periplaneta americana and *Sphinx ligustr.*
- 22121 JONES, M. D. R. The acoustic behaviour of the bush cricket *Pholidoptera griseoptera*. 1. Alternation, synchronism and rivalry between males. J. Exp. Biol. 45(1):15-30. Ref. Aug. 1966. 442.8 B77
- 22122 JONES, M. D. R. The acoustic behaviour of the bush cricket *Pholidoptera griseoptera*. 2. Interaction with artificial sound signals. J. Exp. Biol. 45(1):31-44. Ref. Aug. 1966. 442.8 B77
- 22123 KAYE, J. S., and MCMASTER-KAYE, R. The fine structure and chemical composition of nuclei during spermiogenesis in the house cricket. I. Initial stages of differentiation and the loss of nonhistone protein. J. Cell Biol. 31(1):159-179. Ref. Oct. 1966. 442.8 J828
Acheta domesticus.
- 22124 KUK-MEIRI, S., and others. Cathepsin-type proteolytic activity in the developing eggs of the African migratory locust (*Locusta migratoria migratorioides* R & F. Compar. Biochem. Physiol. 18(4):783-795. Ref. Aug. 1966. 444.8 C73
N. Lichtenstein, A. Shulov, and M. P. Pener, joint authors.
- 22125 LEFEUVRE, J. C. Contribution to the biological study of *Loboptera decipiens* Germ. (Insecta, Dictyoptera, Blattellidae). (Fr) Cah. Natur. (n.s.) 22(2):25-34. Ref. 1966. 410 F432
- 22126 LEWIS, K. R., and JOHN, B. The meiotic consequences of spontaneous chromosome breakage. Chromosoma 18(2):287-304. Ref. 1966. 442.8 C46
In grasshoppers.
- 22127 MCFARLANE, J. E. Studies on group effects in crickets. II-III. Can. J. Zool. 44(6):1013-1021. Nov. 1966. 470 C15D
II, A temperature and a concentration effect on *Acheta domesticus* L.; III, Wing development of *Gryllobates sigillatus* Walk.
- 22129 MESSIER, P. E., and SANDBORN, E. B. Mitochondria in the microvilli of the Malpighian tubules in *Gryllus*. (Fr) Rev. Can. Biol. 25 (3):217-218. Ref. Sept. 1966. 442.8 R325
English summary.
- 22129 MILLS, R. R., and LAKE, C. R. Hormonal control of tanning in the American cockroach [*Periplaneta americana*]. IV. Preliminary purification of the hormone. J. Insect Physiol. 12(11):1395-1401. Ref. Nov. 1966. 421 J825
- 22130 MOENS, P. B. Segregation of tritium-labeled DNA at meiosis in *Chorthippus [longicornis]*. Chromosoma 19(3):277-285. Ref. 1966. 442.8 C46
- 22131 ODHIAMBO, T. R. The metabolic effects of the corpus allatum hormone in the male desert locust [*Schistocerca gregaria*]. I. Lipid metabolism. J. Exp. Biol. 45(1):45-50. Ref. Aug. 1966. 442.8 B77
- 22132 ODHIAMBO, T. R. The metabolic effects of the corpus allatum hormone in the male desert locust [*Schistocerca gregaria*]. II. Spontaneous locomotor activity. J. Exp. Biol. 45(1):51-63. Ref. Aug. 1966. 442.8 B77
- 22133 PINAMONTI, S., PETRIS, A., and COLOMBO, G. Nucleic acids, proteins, and tryptophan pyrrolase activity of the fat body of *Schistocerca gregaria* Forsk. (Orthoptera) during ovarian maturation. J. Insect Physiol. 12(11): 1403-1410. Ref. Nov. 1966. 421 J825
- 22134 PINAMONTI, S., and PETRIS, A. Studies on tryptophan pyrrolase of *Schistocerca gregaria* Forsk. (Orthoptera). Compar. Biochem. Physiol. 17(4):1079-1087. Ref. Apr. 1966. 444.8 C73
- 22135 RAABE, M. Study on the neurosecretion in the central nervous system of *Carausius morosus*; relationship between the activity of B₁ cells and pigmentation. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(4):408-411. July 25, 1966. 505 P21
- 22136 RAMAZZOTTO, L. J. Metabolic comparisons between the normal and aposymbiotic fat body of the American cockroach *Periplaneta americana* (Linnaeus). Diss. Abstr., Sect. B, 27(2): 593B. Aug. 1966. Z5055.U49D53
- 22137 RAO, P. N., and RAO, V. J. A description of a new species of the nematode genus *Blattophilus* Cobb, 1920 (Thelastomatidae). Sao Paulo. Dep. Zool. Papéis Avulsos 18:61-63. 1965. 410.9 Sa63
Blattophilus indica parasitizing cockroaches.
- 22139 RICCI, M. Some aspects of the biology of *Blattorientalis* L. (H) Ist. Super. Sanit. Ann. 1 (1/3):305-318. Ref. 1965. R65.18
English summary.
- 22139 RONDEROS, R. A. Contribucion al conocimiento del complejo falico en especies de los generos *Aleuas* Stal y *Dichroplis* Stal. de la provincia de Buenos Aires (Orthoptera-Acrididae) [Contribution to the study of the male genital organ of species in the genera *Aleuas* Stal and *Dichroplis* Stal from Buenos Aires Province (Orthoptera-Acrididae)]. Rev. Invest. Agropecuar. Ser. 5, Patol. Veg. 1(6): 55-96. Ref. 1964. 464.8 R322
English summary.
Includes *Dichroplis pseudopunctulatus* n. sp.
- 22140 SCHEIE, P. O. Electrical measurements on cuticles of the American cockroach [*Periplaneta americana*]. Diss. Abstr., Sect. B, 27(3): 731B. Sept. 1966. Z5055.U49D53
Electric potential.
- 22141 SMITH, D. S. The structure of intersegmental muscle fibers in an insect, *Periplaneta americana* L. J. Cell Biol. 29(3):449-459. Ref. June 1966. 442.8 J828
- 22142 STEJSKAL, M. A new gregarine, *Fusionia geusi* n. sp., n. gen., n. fam. [Fusioniidae], n. superfam. [Fusionioidea] from the South American cockroach *Pycnoscelus surinamensis* L. 1758. (Ge) Z. Parasitenk. 26(3):215-220. 1965. 442.8 Z33F
- 22143 STORCH, R. H. Development of the cervical and thoracic musculature in the American cockroach, *Periplaneta americana* (Linnaeus) (Dictyoptera: Blattellidae). Diss. Abstr., Sect. B, 27(3):699B. Sept. 1966. Z5055.U49D53
- 22144 VAN HORN, S. N. Studies on the embryogenesis of *Aulocara eliotti* (Thomas) (Orthoptera, Acrididae). I. External morphogenesis. J. Morphol. 120(1):83-96. Ref. Sept. 1966. 444.8 J826
- 22145 WOOLEVER, P. Life history and electron microscopy of a haplosporidian, *Nephridiophaga blattellae* (Crawley) n. comb., in the malpighian tubules of the german cockroach, *Blattella germanica* (L.). J. Protozool. 13(4):622-642. Ref. Nov. 1966. 439.8 J82

Smaller Orders

- 22146 ALEINIKOVA, M. M., and MARTYNOVA, E. F. Landscape and ecological study of the soil Collembola of the Central Volga area. (Rus) *Pedobiologia* 6(1):35-64. Ref. 1966. 56.8 P343
German summary.
- 22147 BANERJEE, B. A statistical study of the population of the tropical mud building termite *Odontotermes redemanni* (Wasmann). *Insectes Sociaux* 13(1):29-37. Ref. Mar.1966. 421 In79
- 22149 BHARADWAJ, R. K. Postembryonic development of the cervicothoracic skeleton and muscles of *Anisoblabis* (*Euborellia*) *annulipes* (Dermaptera: Labiduridae). *Diss. Abstr.*, Sect. B, 27(3):691B. Sept.1966. Z5055,U49D53
- 22149 BICK, G. H., and HORNUFF, L. E. Behavior of the damselfly, *Lestes unguiculatus* Hagen (Odonata: Lestidae). *Ind. Acad. Sci. Proc.* 75:110-115. Ref. 1965, pub. 1966. 500 In2
- 22150 BLATTNY, C. Hoplothrips pedicularis Haliday on the fruit of *Sternum purpureum*. (Ge) *Ceska Mykol.* 20(4):216. Oct.1966. 450 C333
- 22151 JOHNSON, C. Improvements for colonizing damselflies in the laboratory. *Tex. J. Sci.* 18(2):179-183. June 22, 1966. 470 T31
Ischnura.
- 22152 KIS, B., and IMREH, I. The larvae of *Peria pallida* dacia Klap. (Plecoptera). (Ge) *Rovartani Kozlemenyek* (n.s.) 19(1/19):135-141. 1966. 420 So12
- 22153 LACOMBE, D. Contribution to the study of the Embiidina. VIII. Anatomy, histology and excretion of pigments by the Malpighian tubes of *Embiolyntha batesi* Machachian, 1877 (Embioptera). (Por) *Acad. Bras. Cienc.* 37(3/4):503-517. Ref. Dec.31, 1965. 516 R473A
- 22154 NOIROT, C., and NOIROT-TIMOThEE, C. Presence of mucopolysaccharide acids in the intestinal mucosa of insects; histochemical and ultrastructural study. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 265(10):768-770. Ref. Sept.5, 1966. 505 P21
Chiefly in *Cephalotermes rectangularis* and *Calotermes flavicollis*.
- 22155 OGEL, S. The integument of *Folsomia candida* Willem 1902 (Collembola-Isotomidae). *Ankara. Univ. Fac. Sci. Commun.* (ser.C) 10:1-34. Ref., p.31-34. 1965. 330.9 An4
- 22156 SCHMIDT, E. On the migration route of *Boyeria* from Crete (Odonata, Aeschnidae). (Ge) *Nachrichtenbl. Bayer. Entomol.* 14(5/6):43-46. July 15, 1965. 421 N11
- 22157 SCHUSTER, R. Ecology and taxonomy of the thalassobiotic Collembola fauna of Brazil. (Ge) *Beitr. Neotrop. Fauna* 4(3):191-208, map. Ref. Dec.1965. 410 B395
English summary.
- 22158 SMITH, D. S. The organization of flight muscle fibers in the Odonata. *J. Cell Biol.* 28(1):109-126. Ref. Jan.1966. 442.8 J828
- 22159 SMYTHE, R. V. The behavior of the eastern subterranean termite, *Reticulitermes flavipes* (Kollar), with notes on other species. *Diss. Abstr.*, Sect. B, 27(4):1335B. Oct.1966. Z5055,U49D53
- 22160 WATSON, J. A. L. The structure and function of the gill tufts in larval Amphipterygidae (Odonata: Zygoptera). *J. Morphol.* 120(1):9-14. Sept.1966. 444.8 J826
- 22163 HOFFMEISTER, H. RUFER, C., and AMMON, H. Secretion of ecdysone in insects. 5 p. Ref. Transl. 16197
Translation from *Zeitschrift fur Naturforschung* 20b(2):130-133. 1965.
- 22164 HOUVEZ, P. Remarks on the Belgian fauna. (Fr) *Lambillionea* 63(9/12):58-59. (Cont.) Sept.25, 1965. 420 N15
Collecting insects.
- 22165 KASZAB, Z. Results of zoological research by Dr. Z. Kaszab in Mongolia. 66. List of localities of the III. Expedition. (Ge) *Rovartani Kozlemenyek* (n.s.) 18(18/39):587-623, map. 1965. 420 So12
Includes insects.
- 22166 KONINCK, A. DE. Collecting in France, July 12 to 28, 1965. (Fr) *Lambillionea* 65(1/2):7-11. Dec.25, 1965. 420 N15
Insects.
- 22167 KRIEG, A. Comparative taxonomic, morphological and serological investigations on rickettsias pathogenic for insects. 3 p. Transl. 16158
Of the genus *Rickettsiella*.
Translation from *Zeitschrift fur Naturforschung* 13b(8):555-557. Aug.1958.
- 22169 KRIEG, A. Investigations on the pathogenicity to vertebrates of *Rickettsia melonothae* and on the serological detection of the latter in an arthropod host. 2 p. Transl. 16162
Translation from *Naturwissenschaften* 42(22):609-610. Nov.1955.
- 22169 MARECHAL, P. Entomological year 1963. (Fr) *Lambillionea* 64(11/12):58-63. Dec.20, 1965. 420 N15
Collecting insects.
- 22170 NIELSEN, A. Other winged insects. (Da) *Entomol. Medd.* 30(4):305-312. 1965. 421 En82
From the Hansted Nature Preserve.
- 22171 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Insect specimens for identification. Wash. State Univ. Ext. E. M. 2455, rev. 2 p. Aug.1966. 275.29 W27M1
Collecting.

Arachnida, Myriapoda, Etc.

- 22172 ALICATA, P. A new species of *Dysdera* from Sila (Araneae, Dysderidae). (It) *Fragmenta Entomol.* 4(6):81-84. May 31, 1965. 421 F84
English summary.
Dysdera silana n. sp.
- 22173 BEIER, M. A new *Microcreagris* (*Pseudoscorpionidea*) from France. (Ge) *Leiden. Rijksmus. Naturh. Hist. Zool. Mededel.* 40(33):301-303. Nov.11, 1965. 410.9 L59
Microcreagris gallica n. sp.
- 22174 BEIER, M. *Pseudoscorpions* from the caves of eastern Mediterranean. (Ge) *Fragmenta Entomol.* 4(6):85-90. May 31, 1965. 421 F84
English summary.
Includes *Chthonius* (*Neochthonius*) *gracilis* n. sp. and *Lasiochernes graecus* n. sp.
- 22175 BESCH, W. Water mites (Hydrachnellae, Acari) from the Amazonas region. (Ge) *Beitr. Neotrop. Fauna* 4(3):174-179. Dec.1965. 410 B395
English summary.
Includes n. spp. in *Corticacarus* and *Neumannia* (*Tetraneumannia*).
- 22176 BLOCK, W. C. Some arctic Oribatei. *Acarologia* 8(1):161-162. Jan.1966. 434.8 Ac1
- 22177 BONNET, P. The number of new spiders described each year (Araneae). (Fr) *Senckenb. Biol.* 47(1):3-4. Feb.25, 1966. 410.9 Se5
- 22179 BRAENDEGARD, J. Danish spider fauna. I. (Atypidae, Eresidae, Dictynidae, Uloboridae, Onopidae, Dysderidae, Scytodidae, Pholcidae, Gnaphosidae, Clubionidae, and Anyphaenidae). *Entomol. Meddeleiser* 34(2):167-171. 1965. 421 En82

TAXONOMIC AND GEOGRAPHIC ENTOMOLOGY

- 22179 BRAUN, R. Contribution to the revision of the Palearctic species of *Philotromus aureolus* group (Arachnida, Araneae), I. (Ge) Senckenb. Biol. 46(5):369-428. Ref. Nov. 30, 1965. 410.9 Se5
Bibliography p. 422-428.
Includes n. spp.
- 22180 BUCHLI, H. H. R. Notes on *Amblyocarenum simile* (Ausserer 1871) (Arachnida, Araneae), (Fr) Senckenb. Biol. 47(1):11-22. Ref. Feb. 25, 1966. 410.9 Se5
- 22181 COSTA, M. Descriptions of the juvenile stages of *Pachylaelaps hispani* Berlese (Acari: Mesostigmata). *Acarologia* 8(1):9-22. Jan. 1966. 434.8 Ac1
- 22182 DANIEL, M., and ZANINA, Z. L. Two new larvae of *Neotrombicula* (Acari, Trombiculidae) from Tadzhikistan, USSR. (Fr) *Acarologia* 8(1):78-85. Jan. 1966. 434.8 Ac1
Neotrombicula (*Digemalaca*) *rosickyi* n. sp. and N. (D.) *montchadskayi* n. sp.
- 22183 DIAZ NAJERA, A. Scorpiones of the Mexican Republic, key to the identification of the species *Centurus* (Scorpionida, Buthidae). (Sp) *Rev. Invest. Salud Publica* 26(2):109-117. Apr./June 1966. 449.9 M572
English summary.
- 22184 EBERLY, W. R. A new troglolithic isopod (Asellidae) from southern Indiana. *Ind. Acad. Sci. Proc.* 75:286-288. 1965, pub. 1966. 500 In2
Asellus jordani n. sp.
- 22185 EBL, A., and ANASTOS, G. Ixodid ticks, *Acarina*, Ixodidae of Central Africa. I-II. *Mus. Roy. Afr. Cent. Ann. Sci. Zool.* 145, 275 p.; 146, 205 p., map. 1966. 515 M974
I. General introduction, genus *Amblyomma* Koch 1844, II. Genus *Ixodes* Latreille 1795.
- 22186 FAIN, A. *Acarina* producing scabies in lemurs and monkeys. II. New observations with the description of a new species. (Fr) *Acarologia* 8(1):94-114. Jan. 1966. 434.8 Ac1
Makialges lobatus n. sp.; *Psoroptidae*.
- 22187 FAIN, A. The *Ereynetidae* of the Berlese Collection in Florence; designation of a type species for the genus *Ereynetia* Berlese. (Fr) *Redia* 49:87-111. Ref. 1965. 421 R241
English summary.
- 22188 FAIN, A. A new type of hypopus, subcutaneous parasite of African rodents (Acari, Sarcopitiformes). (Fr) *Z. Parasitenk.* 26(1):82-90. 1965. 442.8 Z33F
New spp. in *Rodentopus* n. g.
- 22189 FAIN, A. Redescription of the type of *Glycyphagus pterophorus* Berles, 1892. (Fr) *Redia* 49:113-117. 1965. 421 R241
English summary.
- 22190 GABBUTT, P. D. A new species of pseudoscorpion from Britain. *J. Zool.* 150(2):165-181. Ref. Oct. 1966. 410.9 L84P
Chthonius (*Ephippiochthonius*) *kewi* sp. n.
- 22191 GAUD, J. New definition of the family *Pterolichidae* Megnin and Trouessart, and the formation of new genera belonging to this family. (Fr) *Acarologia* 8(1):115-128. Jan. 1966. 434.8 Ac1
Includes n. spp. in *Ateyonia* n. g., *Corydolithus* n. g., *Ochrolichus* n. g., *Aralichus* n. g., *Clastonotus* n. g., *Rhytidelasma* n. g., and *Sikyomenus* n. g.
- 22192 GRANDJEAN, F. *Selenoribatidae* (Oribatei). (Fr) *Acarologia* 8(1):129-154. Jan. 1966. 434.8 Ac1
- 22193 HAMMEN, L. VAN DER. Further notes on the *Holothyria* (Acarida). I. Supplementary description of *Holothyria coccinella* Gervais. *Leiden. Rijksmus. Natuur. Hist. Zool. Mededel.* 40(28):253-276. Nov. 11, 1965. 410.9 L59
- 22194 HOFFMAN, R. L. Chelodesmid studies. II. The status of the milliped *Telonychopus meyeri* Verhoeff, and of the family name *Telonychidae*. *Sao Paulo. Dep. Zool. Papeis Avulsos* 17: 243-253. 1965. 410.9 Sa63
Includes n. spp.
- 22195 HOMANN, H. Eyes and systematics in Araneae (Arachnida). (Ge) *Senckenb. Biol.* 47(1):63-66. Feb. 25, 1966. 410.9 Se5
- 22196 KEIFER, H. H. *Eriophyid studies B-12*. Sacramento, California Bureau Entomology, 1964. 20 p. 420 K26
Includes n. spp. in *Tegolophus*, *Aceria*, *Eriophyes*, *Aculus* and *Trisetacus*.
- 22197 KEIFER, H. H. *Eriophyid studies B-14*. Sacramento, California Bureau Entomology, 1965. 20 p. 420 K26
Includes n. spp. in *Acalitus* n. g., *Aceria*, *Eriophyes*, *Aculus*, *Rhombacus* n. g., and *Acadiscus* n. g.
- 22198 KEIFER, H. H. *Eriophyid studies B-15*. Sacramento, California Bureau Entomology, 1965. 20 p. 420 K26
Includes n. spp. in *Aceria*, *Paraphytoptus*, and *Aculus*.
- 22199 KEIFER, H. H. *Eriophyid studies B-16*. Sacramento, California Bureau Entomology, 1965. 20 p. 420 K26
Includes n. spp. in *Phantacus* n. g., *Nalepella*, *Trisetacus*, *Retracrus* n. g., *Phyllocoptes*, *Abacarus*, *Aceria* and *Acauda* n. g.
- 22200 KEIFER, H. H. *Eriophyid studies B-17*. Sacramento, California Bureau Entomology, 1966. 20 p. 420 K26
Includes n. spp. in *Echinacrus* n. g., *Phyllocoptes*, *Eriophyes*, *Aceria*, *Nalepella* and *Phytoptus*.
- 22201 KEIFER, H. H. *Eriophyid studies B-18*. Sacramento, California Bureau Entomology, 1966. 20 p. 420 K26
Includes *Aberoptinae* n. sfam. and n. spp. in *Cisaberoptus*, *Phyllocoptura*, *Brionesa* n. g., *Dicrothrix* n. g., *Heterotergum*, *Aculus*, *Aceria*, *Eriophyes* and *Setoptus*.
- 22202 KRIVOLYTSKI, D. A. Oribatids from the vicinity of White Sea Biological Station of the Moscow University [Belomorskaya Biologicheskaya Stantsiya, Moskovskii Universitet]. (Rus) *Moscow Univ. Vestnik. Ser. 6, Biol. Pochvoved.* 1:42-45. Ref. Jan./Feb. 1966. 442.9 M854
- 22203 LEON, D. DE. *Phytoseiidae* of British Guyana with keys to species (*Acarina*; *Mesostigmata*). In *Geijskes, D. C., and Hummelinck, P. W., ed. Studies on the fauna of Suriname and other Guyanas*, v. 8, p. 81-102. Ref. 1966. 411.2 G272
Includes n. spp. in *Iphiseioides*, *Paraambi-seius*, *Euseius*, *Typhlodromus*, *Amblyseius*, and *Typhlodromipis*.
- 22204 LUGETTI, G., and TONGIORGI, P. Revision of the Italian species of the genera *Arctosa* C. L. Koch and *Tricra* Simon with notes on an *Acantholycosa* from the Julian Alps (Araneae-Lycosidae). (It) *Redia* 49:165-228. Ref. 1965. 421 R241
English summary.
- 22205 MARSHALL, V. G. A new *Acarina* species (*Tarsocheyleidae*, *Prostigmata*) from south-eastern Canada. (Fr) *Acarologia* 8(1):45-48. Jan. 1966. 434.8 Ac1
Hoplocheyleus canadensis n. sp.
- 22206 NORREVANG, A. *Millipede* (*Myriapoda*) from the Handed Nature Reserve. (Da) *Entomol. Medd.* 30(4):396-398. 1965. 421 En82
- 22207 RAFALSKI, J. Contributions to the knowledge of the Oribatei (Acari) of Poland. I. (Pol) *Fragmenta Faunistica* 12(21):347-372. Ref. Jan. 15, 1966. 410.9 W26F
English summary.
- 22208 RAMBLA, M. A contribution to the study of *Opiliones* of the Iberian fauna. On the *Dicranopalpus caudatus* Drösch 1946. (Sp) *Spain. Inst. Biol. Publ. Biol.* 38:97-104. June 1965. 442.9 Sp13
English summary.
- 22209 SILHAVY, V. Genital morphology of *Nemastomatidae* (Arachnida, Opiliones). (Ge) *Senckenb. Biol.* 47(1):67-72. Feb. 25, 1966. 410.9 Se5
Includes *Hadzinia* n. g. and *Nemaspela* n. g.
- 22210 SOARES, H. E. M. *Opiliones* of the Gofferie collection (*Opiliones*, *Gonyptelidae*, *Phalangodidae*). (Por) *Sao Paulo. Dep. Zool. Papeis Avulsos* 18:87-102. Ref. 1966. 410.9 Sa63
English summary.
Includes n. spp. in *Neopachylus*, *Piresa*, *Prosentes*, *Pucrolia*, *Tricommatas*, and *Pseudocacrogonyleptoides* n. g., *Pseudocacrogonyphotus* n. g.

- 22211 VELEZ, M. J. The taxonomy, distribution, and certain ecological aspects of the Diplopoda of Puerto Rico. *Dis. Abstr. Sect. B*, 27(2):646B-647B. Aug. 1966. 25055, 149D53
- 22212 VERCAMMEN-GRANDJEAN, P. H., and ANDRE, M. Introduction to the idea of "complex" applied in the systematics of Trombiculidae (Acarina). (*Fr*) *Acarologia* 8(1):62-70. Jan. 1966. 434.8 Ac1
- 22213 VERCAMMEN-GRANDJEAN, P. H., and ANDRE, M. A new adult trombiculid native to Brazil: *Eutrombicula* (*Eutrombicula*) *ralphaudi* n. sp. (*Fr*) *Acarologia* 8(1):49-54. Jan. 1966. 434.8 Ac1
- 22214 VERCAMMEN-GRANDJEAN, P. H., and ANDRE, M. Redescription of the adult form of *Eutrombicula* (*Eutrombicula*) *gouldii* Oudemans, 1910. (*Fr*) *Acarologia* 8(1):55-61. Jan. 1966. 434.8 Ac1
- 22215 VERCAMMEN-GRANDJEAN, P. H., and WATKINS, S. G. *Trombicula filamentosa* Radford, 1954 is a Myotrombicula Womersley & Heaslip, 1943 in the Afghan olosa group. *Acarologia* 8(1):71-73. Jan. 1966. 434.8 Ac1
- Coleoptera
- 22216 ABDULLAH, M. *Protomeloe crowsoni* a new species of a new tribe (Protomeloini) of the blister beetles (Coleoptera, Meloidae), with remarks on a postulated new pheromone (cantharidin). *Entomol. Tidsskr.* 86(1/2):43-48. Ref. 1965. 421 En891
- 22217 BANGSHOLT, F. Contribution to the knowledge of Bornholm beetle fauna (Coleoptera). (*Da*) *Entomol. Meddelelser* 34(2):125-133. 1965. 421 En82
English summary.
- 22218 BLUMENTHAL, C. L. On the distribution of *Carabus* (*Megodontus*) *violaceus* n. *salisburyensis* Kraatz and ssp. *germani* n. *styriensis* Breun. in Bavaria. (*Ge*) *Nachrichtenbl. Bayer. Entomol.* 14(9/10):101-102. Oct. 15, 1965. 421 N11
- 22219 BRIGHT, D. E. Support for suppression of *Xyleborus bowdichi*, 1825. *Z.N.(S.)* 1720. *Bull. Zool. Nomencl.* 23(4):132. Oct. 14, 1966. 410 B874
- 22220 ENDRODY-YOUNG, S. A new central European species of the genus *Cybocephalus* Fr. (Coleoptera, Cybocephalidae). (*Ge*) *Nachrichtenbl. Bayer. Entomol.* 14(5/6):41-43. Ref. July 15, 1965. 421 N11
Cybocephalus fodori n. sp.
- 22221 FERREIRA, M. C. Contribuicao para o estudo dos escarabeidos de Mocambique: descricao de uma especie nova do subgenero *Metacatharsius* Paulian (genero *Catharsius* Hope, subfamilia Coprinae) [A contribution to the study of Scarabaeidae of Mozambique. Description of a new species of the subgenus *Metacatharsius* Paulian (genus *Catharsius* Hope, subfamily Coprinae). *Novos Taxa Entomol.* 45, 11 p., map. Oct. 1965. 421 N53
Metacatharsius pseudoopacus n. sp.
- 22222 FOLWACZNY, B. *Amara littorea* Thoms. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22223 FOLWACZNY, B. *Aphodius porcus* F. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22224 FOLWACZNY, B. *Aphodius satellitus* Hbst. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22225 FOLWACZNY, B. *Bembidion humerale* Strm. (*Ge*) *Entomol. Bl.* 61(2):126. Oct. 15, 1965. 421 En833
- 22226 FOLWACZNY, B. *Bembidion monticola* Strm. (*Ge*) *Entomol. Bl.* 61(2):126. Oct. 15, 1965. 421 En833
- 22227 FOLWACZNY, B. *Bembidion octomaculatum* Cze. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22228 FOLWACZNY, B. *Catops kirbyi* Spence. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22229 FOLWACZNY, B. *Ceuthorrhynchus roberti* Gyll. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22230 FOLWACZNY, B. *Helophorus tuberculatus* Gyll. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22231 FOLWACZNY, B. *Leptusa simoni* Epph. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22232 FOLWACZNY, B. *Liosoma oblongulum* Boh. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22233 FOLWACZNY, B. *Rhinoncus henningsi* Wagn. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22234 FOLWACZNY, B. *Rhytidosomes fallax* Otto. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22235 FOLWACZNY, B. *Sitona cylindricollis* F. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22236 FOLWACZNY, B. *Tachyta nana* Gyll. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22237 FOLWACZNY, B. *Trechus cardioides* ssp. *pilisensis* Csiki. (*Ge*) *Entomol. Bl.* 61(2):127. Oct. 15, 1965. 421 En833
- 22238 FORD, E. J., and KINGSOLVER, J. M. Description and biological notes on the larvae of *Phradonoma tricolor* (Coleoptera: Dermestidae). *Coleopt. Bull.* 20(1):27-29. Mar. 1966. 421 C674
- 22239 FUCHS, E. Two new Palearctic Saperdini (Coleoptera). (*Ge*) *Entomol. Bl.* 61(2):110-112. Oct. 15, 1965. 421 En833
Conizonia (*Coptosia*) *schuberti* n. sp. and *Phytoecia* (*Opsilia*) *tienschanica* n. sp.
- 22240 GERSDORF, E. An inquiry about *Serropalpus barbatus* Schall. (*Ge*) *Entomol. Bl.* 61(2):122. Oct. 15, 1965. 421 En833
Geographic distribution.
- 22241 GIVEN, B. B. The genus *Costelytra* Given (Melolonthinae, Coleoptera) including descriptions of four new species. *New Zeal. J. Sci.* 9(2):373-390, map. June 1966. 514 N482
- 22242 GONZALEZ, M. Contribution to the study of Curculionidae of the western Mediterranean. II. Two new Iberian representatives. (*Sp*) *Spain. Inst. Biol. Apl. Publ.* 39:97-104. Ref. Nov. 1965. 442.9 Sp13
English summary.
Raymondionymus auroxii n. sp. and *Acalles hederiae* n. sp.
- 22243 HANSEN, V. New Danish beetles, 1964 (Coleoptera). (*Da*) *Entomol. Meddelelser* 34(2):123-124. 1965. 421 En82
English summary.
- 22244 HEINZ, W. *Platynus* (*Anchodemus*) *cyanus* Dej. ssp. *asturicus* n. sp. (*Ge*) *Entomol. Bl.* 61(2):123. Oct. 15, 1965. 421 En833
- 22245 HERVE, P. Contribution to the knowledge of some noble elements of the soil fauna: description of a new species of the genus *Amauropidius* Jeannel (Coleopt. Pselaphidae). (*Fr*) *Entomops* 4:110-114. Fourth Q. 1965. QL461.E53
Amauropidius jeanneli n. sp.
- 22246 HERVE, P. Contribution to the knowledge of the soil fauna of the forests in the Monts des Maures; description of a new species of the genus *Leptotyphlus* Fauv. (Col. Staphylinidae). (*Fr*) *Entomops* 4:115-119. Fourth Q. 1965. QL461.E53
Leptotyphlus janasensis n. sp.
- 22247 HOFFMANN, A. Results of zoological research by Dr. Z. Kaszab in Mongolia. 45. Bruchidae (Coleoptera). (*Ge*) *Rovantani Kozlemlenyek* (n.s.) 18(18/39):563-566. 1965. 420 So12
- 22248 JELINEK, J. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XXXVII. Coleoptera, Nitidulidae. (*Ge*) *Beitr. Entomol.* 15(5/6):673-688. Ref. Dec. 1965. 421 B392
English summary.
- 22249 JUNGER, E. *Baryscus squamosus* v. *schonherri* Zett. (*Ge*) *Entomol. Bl.* 61(2):124. Oct. 15, 1965. 421 En833

- 22250 JÜNGER, E. *Micralymna marinum* Stroem. (Ge) Entomol. Bl. 61(2):123. Oct.15,1965. 421 En833
- 22251 KASZAB, Z. Results of zoological research by Dr. Z. Kaszab in Mongolia. 38. Meloidae (Coleoptera). (Ge) Rovartani Közlemenyek (n.s.) 18(18/39):551-561. 1965. 420 So12
Includes n. spp. in Apolus.
- 22252 KASZAB, Z. Revision of the Tenebrionidae, the genus *Microdera* Eschsch. (Coleoptera). (Ge) Acta Zool. [Budapest] 12(3/4):279-305. Ref. 1966. 410 Ac85
Includes n. spp. and *Amicrodera* n. sgen., and *Falsimicrodera* n. sgen.
- 22253 KASZAB, Z. Survey of species of the genus *Melanesthes* Lacordaire 1859 (Coleoptera, Tenebrionidae). (Ge) Acta Zool. [Budapest] 12(3/4):307-321. Ref. 1966. 410 Ac85
- 22254 KIMOTO, S. A list of the chrysomelid-beetles collected by Dr. S. Kuwayama and Mr. Y. Sugihara in the southern Kuriles. Kontyu 33(3):310-316. Sept.1965. 421 K833
- 22255 KOCH, K. The neighboring excursions of 1963/1964 of the Arbeitsgemeinschaft Rheinischer Koleopterologen. (Ge) Entomol. Bl. 61(2):104-109. Oct.15,1965. 421 En833
Collecting.
- 22256 KÖRGE, H. *Bembidion millerianum* Heyd. (Ge) Entomol. Bl. 61(2):126. Oct.15,1965. 421 En833
- 22257 KRÁL, J. On the *Longitarsus pallidicornis* Kutschera and *Longitarsus medvedevi* Shapiro (Coleoptera, Phytophaga, Alticidae). XIV. Contribution to the study of Alticidae. (Ge) Entomol. Bl. 61(2):100-103. Ref. Oct.15,1965. 421 En833
- 22259 KRZEMINSKI, J. K. Donaciinae, Orsodacninae and Criocerinae (Coleoptera, Chrysomelidae) of the surroundings of Bydgoszcz. (Pol) Fragmenta Faunistica 12(20):339-345. Ref. Jan.15,1966. 410.9 W26F
English summary.
- 22259 I ANEYRIE, R. *Carabus auratus* L. in the valley of Malcor (Montagne de Lure, Basses-Alpes). (Fr) Entomops 4:127-135. Fourth Q. 1965. Q1461.E53
- 22260 LINNMAN, N. Some beetle finds. (Sw) Entomol. Tidskr. 86(1/2):24-27. 1965. 421 En891
- 22261 LOBL, I. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XL. Coleoptera, Scaphidiidae. (Ge) Beitr. Entomol. 15(5/6):731-634. Dec.1965. 421 B392
English summary.
Balkan Peninsula.
- 22262 MOHR, K. H. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XXXIX. Coleoptera, Chrysomelidae. I. (Halticinae). (Ge) Beitr. Entomol. 15(5/6):701-729. Ref. Dec.1965. 421 B392
English summary.
- 22263 MROČKOWSKI, M. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XXXVI. Coleoptera, Dermestidae. (Ge) Beitr. Entomol. 15(5/6):665-671. Ref. Dec.1965. 421 B392
English summary.
Balkan Peninsula.
- 22264 MÜCHE, W. H. New *Omophus* species of the Museum of Natural History in Budapest (Coleoptera, Alleculidae, Omophilini). (Ge) Entomol. Bl. 61(2):85-99. Oct.15,1965. 421 En833
Includes n. spp. in *Odontomorphus* and *Omophilus*.
- 22265 NEGRU, S. On three bark beetles new to the Rumanian fauna (Coleoptera, Scolytidae). (Ge) Entomol. Bl. 61(2):113-120. Ref. Oct.15,1965. 421 En833
Liparthrum arnoldi, *Trypophloeus granulatus* and *Carphoborus perrisi*.
- 22266 PAUL, T. Coleoptera study excursion to Corfu (Sw) Entomol. Tidskr. 86(1/2):1-20, map. 1965. 421 En891
Includes collecting.
- 22267 PAPPERITZ, R. *Bembidion eques*. (Ge) Entomol. Bl. 61(2):126. Oct.15,1965. 421 En833
Distribution.
- 22269 PUTELE, V. Flea beetles of the genus *Longitarsus* Latr. in the Latvian SSR. (La) Latvijas Entomol. 10:3-15, map. Ref. 1965. 421 L35
German summary.
Taxonomy and distribution.
- 22269 PUTHZ, V. Contribution to the study of *Steninae*, 3. The correct placement of *Stenus mendicus* Er. and *Stenus morio* Grav. (Coleoptera, Staphylinidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(9/10):98-101. Oct.15,1965. 421 N11
- 22270 PUTHZ, V. *Lathrobium fennicum* Renk. (Ge) Entomol. Bl. 61(2):125-126. Oct.15,1965. 421 En833
Distribution.
- 22271 RUFFO, S. A new species of *Chloropterus* (Coleoptera, Chrysomelidae, Eumolpini) from Libya. (It) Bologna. Univ. Ist. Entomol. Boll. 27:245-248. 1964/65. 420 B63
Chloropterus fiorii n. sp.
- 22272 RUSSELL, L. A new species of *Collops* from Washington State (Coleoptera: Melyridae). Coleopt. Bull. 20(1):8-10. Mar.1966. 421 C674
Collops dimorphicus n. sp.
- 22273 SCHAEFLEIN, H. *Hydroporus longicornis* Sharp has reached also Germany. A contribution to the fauna, ecology and morphology of Dytiscidae. (Ge) Nachrichtenbl. Bayer. Entomol. 14(11/12):111-117. Ref. Dec.15,1965. 421 N11
- 22274 SCHEERPELTZ, O. Zwei neue Arten der Gattung *Leptusa* Kraatz vom Hochlantsch-Massiv in der Mittelsteiermark; 136. Beitrag zur Kenntnis der palaarktischen Staphyliniden [Two new species of the full genus *Leptusa* Kraatz from the Hochlantsch Massif in central Styria; 136th contribution to the knowledge of the Palearctic Staphylinidae]. Graz. Landesmus. "Johanneum." Abt. Zool. Bot. Mitt. 24, 11 p. 1966. 510 S32
Leptusa kreisli n. sp. and *L. melenovici* n. sp.
- 22275 SZYMCAKOWSKI, W. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XXXVIII. Coleoptera, Catopidae (exclusive of Bathysciinae). (Ge) Beitr. Entomol. 15(5/6):689-699. Ref. Dec.1965. 421 L532
English summary.
Balkan Peninsula.
- 22276 UHMANN, E. The pupae of *Dicladispa testacea* Linne (Coleoptera, Chrysomelidae); 221st contribution to the study of Hispaniae. (Ge) Nachrichtenbl. Bayer. Entomol. 14(11/12):118-121. Dec.15,1965. 421 N11
- 22277 VOSS, E. Noteworthy Curculionidae of the Oriental region (Coleoptera, Curculionidae). (Ge) Hamburg. Zool. Staatsinst. Zool. Mus. Entomol. Mitt. 3(54):13-19. Ref. Sept.15,1965. 421 H17
Includes n. spp. in *Mylocerus*, *Deiradorrhinus*, *Lixus* and *Baridiomorphus* n. g.
- 22278 WATANABE, Y., and SHIBATA, Y. The staphylinid-beetles from Rishiri and Rebun Islands Hokkaido, Japan, with descriptions of three new species. Kontyu 33(3):317-325. Sept.1965. 421 K833
Lathrobium rishiriense n. sp., *Megalinius kei-jiro* n. sp. and *Tachinus rishirianus* n. sp.
- 22279 WHITEHEAD, D. R. Two remarkable new South American species of *Schizogenia* Putzeys (Coleoptera: Carabidae). Coleopt. Bull. 20(1):2-7. Mar.1966. 421 C674
- 22280 ZAJCIW, D. The genus *Brasilianus* Jakobson, 1924 (Coleoptera, Cerambycidae, Cerambycinae). (Por) Rev. Brasil. Biol. 26(1):47-58. Ref. May 1966. 442.8 R326
English summary.
- 22281 ZAJCIW, D. The genus *Ommata* White, 1855. II. Subgenus *Ommata* (Coleoptera, Cerambycidae, Rhinotragini). (Por) Rev. Brasil. Biol. 26(1):87-92. May 1966. 442.8 R326
English summary.
Includes n. sp.
- 22282 ZAJCIW, D. New Neotropical beetles of the tribe Rhinotragini (Coleoptera, Cerambycidae, Cerambycinae). II. (Por) Acad. Brasil. Cienc. An. 37(1):121-129. Mar.31,1965. 516 R473A
Includes n. spp. in *Ommata* and in *Odontocera*.

- 22283 ZAJCZAK, D. Three new species of the genus *Callichroma* Latreille, 1816, subgenus *Xystochroma* Schmidt, 1924 (Coleoptera, Cerambycidae, Cerambycinae). (Por) Acad. Brasil. Cienc. An. 37(3/4):551-555. Dec. 31, 1965. 516 R473A
English summary.
Callichroma minutum n. sp., *C. cuprisuturatum* n. sp., and *C. zikani* n. sp.
- Diptera
- 22284 ALEXANDER, C. P. New or little-known Tipulidae from eastern Asia (Diptera). LVI. Philippine J. Sci. 94(2):235-286. June 1965. 475 P53
Includes n. spp. in Tipula and Tipula (Emodotipula) n. sgen.
- 22285 ARADI, M. P. Caprophagous Sphaeroceridae from Hungary (Diptera). (Ge) Rovartani Közlemenyek (n.s.) 18(18/39):367-374. 1965. 420 Sol2
- 22286 CALTAGIRONE, L. A new Chilean species of *Opsophagus* Aldrich, 1926 (Diptera, Tachinidae). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:62-67. 1966. 420 C432
Opsophagus cortesi n. sp.
- 22287 DELACHAMBRE, J. Study of Termitoxenidae (Diptera). II. Description of two new African species. (Fr) Insectes Sociaux 13(2):105-115. June 1966. 421 In79
Termitoxenocrofa brevis n. sp. and *Cheilozenia obesa* n. g., n. sp.
- 22289 DIMITROV, M. Material on the chironomid fauna (larvae) in the Bulgarian section of the Danube River and in water basins along the Danube River. (Bu) Bulg. Akad. Nauk. Zool. Inst. Muz. Izv. 20:133-138. 1966. 410.9 B872I
English summary.
- 22289 DRABER-MONKO, A. Data to the knowledge of Muscinae (Diptera) of Poland. (Pol) Fragmenta Faunistica 12(18):309-331. Ref. Jan. 15, 1966. 410.9 W26F
- 22290 DRASKOVITS, A. Data to the knowledge of the Chloropidae and Anthomyiinae fauna of Dalmatia and Montenegro (Yugoslavia) (Diptera). (Ge) Rovartani Közlemenyek (n.s.) 18(18/39):513-519. 1965. 420 Sol2
- 22291 DRASKOVITS A., D. Data to the phenological knowledge of Anthomyiinae (Diptera), collected in Hungary with light traps. (Hu) Rovartani Közlemenyek (n.s.) 19(1/19):263-271. Ref. 1966. 420 Sol2
- 22292 DUPUIS, C. Conservation of *Theriba subcoleoprata* (F. 1798) as the type species of *Phasia* Latreille 1804 (Insecta Diptera). Z.N. (S.) 1706. (Fr) Bull. Zool. Nomencl. 23(4):134-144. Ref. Oct. 14, 1966. 410 B874
- 22293 ETCHEVERRY, M. Flukea vockerothi, new genus and new species of Syrphidae from Chile (Diptera). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:1-22. 1966. 420 C432
English summary.
- 22294 FITTKAU, E. J. Chironomidae studies. X. Revision of the Chironomidae described by E. Goeldi from the Amazon region (Diptera). (Ge) Beitr. Neotrop. Fauna 4(3):209-226, map. Ref. Dec. 1965. 410 B395
English summary.
Includes n. spp. in Goeldichironomus n. g.
- 22295 GROVER, P. Studies of Indian gall midges. XV. One new genus and one new species of Bifilini (Cecidomyiidae: Diptera). Marcellia 32(2):111-126. Ref. June 1965. 421 M33
Extract from thesis.
Muroidiplosis n. g. and *Indodiplosis mangifoliae* n. sp.
- 22296 GUDZSHABDZE, M. G. Two new species of Sarcophagidae (Diptera) from the Georgian SSR. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 43(3):747-751. Sept. 1966. 511 Ak146
Blaesoxipha schirakiensis n. sp. and *Parasarcophaga colchica* n. sp.
- 22297 HEDSTRÖM, L. The distinction between the females of *Hydrophorus albipes* Frey and *H. magnicornis* Frey (Diptera, Dolichopodidae). Entomol. Tidskr. 86(1/2):36-42. 1965. 421 En891
- 22299 KNUTSON, L. V., and LYNEBORG, L. Danish acalyptrate flies. 3. Sciomyzidae (Diptera). Entomol. Medd. 34(1):61-101. Ref. 1965. 421 En82
- 22299 LUCENA, D. T. DE, and ALMEIDA, L. Phlebotomus of the Northeast. II. Occurrence of four species of the subgenus *Brumptomyia* in that region. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(2/3):257-268. Ref. Apr./Sept. 1965. 448.8 R3263
English summary.
- 22300 LYNEBORG, L. The *Fucellia maritima*-group in north Europe, with description of a new species (Diptera, Anthomyiidae). Entomol. Medd. 34(1):19-29. Ref. 1965. 421 En82
Includes *Fucellia balica* n. sp.
- 22301 LYNEBORG, L. A revised list of Danish Bombyliidae (Diptera), with a subspecific division of *Villa circumdata* Meig. Entomol. Meddelelser 34(2):155-166, map. 1965. 421 En82
- 22302 MANNHEIMS, B. Tipulidae (Diptera) of Hungary from the collection of the Hungarian Natural History Museum [Magyar Természettudományi Múzeum]. (Ge) Rovartani Közlemenyek (n.s.) 19(1/19):273-283. 1966. 420 Sol2
Includes list of publications.
- 22303 MARTINOVICH, V. Trypetidae (Diptera) fauna of Yugoslavia. (Hu) Rovartani Közlemenyek (n.s.) 19(1/19):209-214. 1966. 420 Sol2
- 22304 MATTINGLY, P. F., and REID, J. A. Comments on the proposed suppression of *Anopheles africanus* Theobald, 1901. Z.N. (S.) 1722. Bull. Zool. Nomencl. 23(4):132. Oct. 14, 1966. 410 B874
- 22305 MATTOS, S. S., and XAVIER, S. H. Geographic distribution of *Culicidae* in Brazil (Diptera). II. In Goiás State. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(2/3):269-291. Ref. Apr./Sept. 1965. 448.8 R3263
- 22306 MIYAGI, I. Descriptions of three new species of the genus *Notiphila* Fallen from Japan, with other notes (Dipt., Ephyridae). Insecta Matsumurana 28(2):121-126. Mar. 1966. 421 In77
- 22307 MIYAGI, I. On the marine shore flies of the genus *Noctianassa* from Japan (Diptera: Canacidae). Kontyû 33(3):299-303. Sept. 1965. 421 K833
Includes n. spp.
- 22308 MIYAGI, I. Three species of the genus *Ochtera* Latreille of Japan (Diptera: Ephyridae). Insecta Matsumurana 28(2):126-140. Mar. 1966. 421 In77
- 22309 OKADA, T. Drosophilidae of the Okinawa Islands. Kontyû 33(3):327-350. Sept. 1965. 421 K833
Includes n. spp. in *Microdrosophila*, *Liodrosophila*, *Mycrodrosophila*, *Drosophila* (Scaptodrosophila), *Drosophila* (Dichaetophora), and *Drosophila* (Sophophora).
- 22310 PEDERSEN, V. Flies (Diptera, Nematocera) from the Hansted Nature Reserve (Families: Tipulidae, Limoniidae, Ptychopteridae, Anisopodidae, Culicidae, Bibionidae and Scatopsidae). (Da) Entomol. Medd. 30(3):263-267. 1965. 421 En82
Collection.
- 22311 PONT, A. C. *Macrochoeta* Macquart, 1851 (Insecta, Diptera): proposed suppression under the plenary powers. Z.N. (S.) 1745. Bull. Zool. Nomencl. 23(4):160-161. Oct. 14, 1966. 410 B874
- 22312 REID, J. A., and BONNE-WEPTER, J. *Anopheles errabundus* (Wellengrebel, 1925) (Insecta, Diptera): proposed suppression as a specific name under the plenary powers. Z.N. (S.) 1760. Bull. Zool. Nomencl. 23(4):190. Oct. 14, 1966. 410 B874
- 22313 RIOUX, J. A., and others. *Anopheles* (A.) *algieriensis* Theobald, 1903 in Mediterranean Langue doc. (Fr) Ann. Parasitol. Humaine Com. 41(1):91-100, map. Ref. Jan./Feb. 1966. 436.8 An7
G. Sinegre, H. Croset, and A. Gabineau, joint authors.
- 22314 RIVOSECCI, L. Contribution to the knowledge of Italian Simuliidae. XII. Some species of the *Odagmia ornata* group and of the genus *Simulium* s. str. (It) Riv. Parasitol. 27(1):19-32. Mar. 1966. 436.8 R52
English summary.

- 22315 ROZKOSNY, R., and SPITZER, K. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XLI. Diptera, Rhagionidae, (Ge) Beitr. Entomol. 15(5/6):735-742. Ref. Dec.1965. 421 B392
English summary.
- 22316 ROZKOSNY, R. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XLII. Diptera, Sciomyzidae, (Ge) Beitr. Entomol. 15(5/6):743-752. Ref. Dec. 1965. 421 B392
English summary.
- 22317 SHTAKEL'BERG, A. A. New data on the Diptera fauna of the Leningrad region. (Rs) Latvijas Entomol. 10:61-71. Ref. 1965. 421 L35
- 22319 SPENCER, K. A. Notes on the Oriental agromyzidae (Diptera), 2. Agromyzidae from the Philippines. Entomol. Medd. 34(1):3-9. 1965. 421 En82
Includes n. spp. in *Melanagromyza*.
- 22319 SPURIS, Z. Mosquito fauna of the genus *Aedes* in the Latvian SSR. (La) Latvijas Entomol. 10:28-32. 1965. 421 L35
German summary.
- 22320 TARTARINI, S. Description of nymphs of some species of Anopheles from Peru. (It) Parassitologia 8(1):47-75. Ref. July 1966. 436.8 P212
English summary.
- 22321 WEBER, M. Empididae fauna of Yugoslavia. (Ge) Rovartani Közlemenyek (n.s.)19(1/19): 149-159. 1966. 420 So12
- 22322 ZAITSEV, V. F. Paraziticheskie mukhi semeistva Bombyliidae (Diptera) v faune Zakavkaz'ya [Parasitic flies of the family Bombyliidae (Diptera) in the Transcaucasian fauna]. Akad. Nauk SSSR. Zool. Inst. Opredelitel' Faune SSSR 92,375 p. Ref. 1966. 410.9 P444
Includes n. spp. in *Cytherea*, *Lomatia*, *Petrorossia*, *Thyridanthrax* and *Villa*.
- Hemiptera (Heteroptera and Homoptera)**
- 22323 ANDERSEN, N. M., and BOCHER, J. Heteroptera, Geocorisae from the Hansted Nature Reserve. (Da) Entomol. Medd. 30(3):289-296. 1965. 421 En82
- 22324 ANDERSEN, N. M., and BOCHER, J. Land bugs (Heteroptera, Geocorisae). (Da) (Cont.) Entomol. Medd. 30(4):297-300. 1965. 421 En82
- 22325 ANDERSEN, N. M. A remarkable new species of *Rhagovelia* Mayr from the Philippines (Heteroptera: Velidae). Entomol. Meddelelser 34 (2):111-117. 1965. 421 En82
- 22326 CARVALHO, J. C. DE M., and ROSAS, A. F. Neotropical Miridae. XCIII. A new genus and two new species of *Deraeocorinae* and *Cylapinae* (Hemiptera). (Por) Acad. Brasil. Cienc. An. 37(1):83-85. Mar. 31,1965. 516 R473A
New spp. in *Peritropis* and *Xoklengana* n. g.
- 22327 CARVALHO, J. C. M., and ROSAS, A. F. Neotropical Miridae. XCVI. New genus and species in the Chilean fauna (Hemiptera). (Por) Rev. Brasil. Biol. 26(1):72-75. May 1966. 442.8 R326
English summary.
- 22328 DRAKE, C. J., and DOESBURG, P. H. VAN. Water-striders of the American genus *Trochopus* (Hemiptera: Velidae). In Geijskes, D. C., and Hummelinck, P. W., ed. Studies on the fauna of Suriname and other Guyanas, v.8, p.65-76. Ref. 411.2 G272
Includes n. spp.
- 22329 HEIE, O. A new species of *Macrosiphum* from *Chamaenerium* (Homoptera, Aphididae). Entomol. Medd. 34(1):31-42. 1965. 421 En82
Macrosiphum lissae n. sp.
- 22330 KAISER, E. W. Water bugs (Heteroptera aquatica) from the Hansted Nature Reserve. (Da) Entomol. Medd. 30(4):301-304. 1965. 421 En82
- 22331 KARG, J. Water-bugs (Heteroptera) of Gliwice and Rybnik environs. (Pol) Fragmenta Faunistica 12(17):281-307, map. Ref. Jan.15,1966. 410.9 W26F
English summary.
- 22332 KNIGHT, H. H. *Schaffneria*, a new genus of ground dwelling plant bugs (Hemiptera, Miridae). Iowa State J. Sci. 41(1):1-6. Aug.1966. 470 Io9
- 22333 KRISTENSEN, N. P. Homoptera Auchenorrhyncha from the Hansted Nature Reserve. (Da) Entomol. Medd. 30(3):269-287. Ref. 1965. 421 En82
English summary.
Collections and taxonomy.
- 22334 LAMBERS, D. H. R. *Nippodysaphis* nom. nov. for *Neodysaphis* Hille Ris Lambers, 1965. Tijdschr. Entomol. 108(12):389. 1965. 421 T21
Homoptera, Aphididae.
- 22335 LANSBURY, I. *Enitharus* Spinola, 1837 (Insecta, Hemiptera): proposed use of the plenary powers to designate a type-species. Z.N.(S.) 1762. Bull. Zool. Nomencl. 23(4):191-192. Oct.14,1966. 410 B874
- 22336 MACGILLIVRAY, M. E. A new *Macrosiphum* species from New York State (Homoptera; Aphididae). Can. J. Zool. 44(6):1085-1088. Nov.1966. 470 C16D
Macrosiphum pechumani n. sp.
- 22337 MIYAMOTO, S. Notes on Formosan *Corixidae* (Hemiptera). Kontyu 33(4):483-492. Ref. Dec. 1965. 421 K833
Includes *Micronecta matsumurai* n. sp.
- 22339 RIBES, J. Hemiptera of Majorca. (Sp) Spain. Inst. Biol. Apl. Publ. 39:71-95. Ref. Nov.1965. 442.9 Sp13
French summary.
- 22339 ROUBAL, A. J. *Aradus kuthyi* Horv. (Heteroptera) in Hungary. *reiventus*: supplementum ad faunam Heteropterorum Montis Mecsek. Rovartani Közlemenyek (n.s.)19(1/19):203-207. Ref. 1966. 420 So12
- 22340 RUPAIS, A. A. *Dendophilous* aphids new for the Latvian fauna (Homoptera, Aphidoidea). (Rus) Latvijas Entomol. 10:25-27, map. 1965. 421 L35
- 22341 SECOND supplement to list of papers of Dr. Ryoichi Takahashi. Insecta Matsumurana 28 (2):120. Mar.1966. 421 In77
Myzus and *Matsumuraja* of Japan (Homoptera, Aphididae).
- 22342 SZELEGIEWICZ, H. Two new *Asterobium* species (Homoptera, Aphididae) from Hungary. (Ge) Acta Zool. [Budapest] 12(3/4):451-457. 1966. 410 Ac65
Macrosiphonella (*Asterobium*) *soosi* n. sp., and *Macrosiphonella* (*Asterobium*) *ohatensis* n. sp.
- 22343 TAKAGI, S. Records of some *Pinnaspis* species of Japan. Insecta Matsumurana 28(2):119-120. Mar.1966. 421 In77
- 22344 TAKAGI, S. Three new scale insects of *Pinnaspis* (Homoptera: Coccoidea). Kontyu 33(4):446-451. Dec.1965. 421 K833
Pinnaspis muntingi, *Pinnaspis yamamotoi* and *Pinnaspis sciadopytyos* n. spp.
- 22345 U. S. AGRICULTURAL RESEARCH SERV. General catalogue of the Homoptera. Fascicle VI. Cicadelloidea, 15. I. Issidae, by Z. P. Metcalf. Washington, 1966. 229 p. 431 H78G
Contribution from North Carolina Agricultural Experiment Station.
- 22346 YOUNG, D. A. Notes on Fabrician species of *Cicadellinae* (Homoptera: Cicadellidae) in Copenhagen and Kiel with lectotype designations. Entomol. Medd. 34(1):10-18. 1965. 421 En82
- Hymenoptera**
- 22347 AUBERT, J. F. The Ichneumonidae of the French Mediterranean littoral. 8. The coastal area between La Ciotat and Saint-Tropez. (Fr) Vie Milieu, Ser. C, Biol. Terrestre 16(1):549-573. Ref. 1965. QH301.V5
English summary.
- 22349 BAUER, R. *Stiphosomus antilope* Gravenhorst and *Stiphosomus splendens* Strobil (Hymenoptera, Ichneumonidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(7/8):77-78. Sept.15, 1965. 421 N11

- 22349 BENEDEK, P. A new Sphecoidea (Hymenoptera) in the Hungarian fauna. (Hu) Rovartani Kozlemenyek (n.s.)19(1/19):294-296. 1966. 420 Sol2
Passaloecus clypealis.
- 22350 BOUCEK, Z. European species of the genus Anognmus Forst. (Hymenoptera, Pteromalidae), parasites of con insects of conifers. (Ge) Anz. Schädlingkunde 39(4):52-57. Ref. Apr. 1966. 421 An9
English summary.
Includes Anognmus laricus n. sp.
- 22351 CHANDLER, L. Wasps of the tribes Stizini and Bembicini in Indiana (Hymenoptera; Sphecidae). Ind. Acad. Sci. Proc. 75:141-147. Ref. 1965, pub.1966. 500 In2
- 22352 CHARNLEY, H. W. The value of the propodeal orifice and the phallic capsule in vespid taxonomy (Hymenoptera, Vespidae). Diss. Abstr., Sect. B, 27(4):1324B. Oct.1966. Z5055.U49D53
- 22353 DESSART, P. Contribution to the study of Hymenoptera Proctotrupidae. IX. Revision of the genus Macrostigma Rondani, 1877 (Cera- phronidae, Megaspilinae). (Fr) Redia 49:157-163. Ref. 1965. 421 R241
- 22354 ERLANDSSON, S. The occurrence of Bembix rostrata F. in the Scandinavian countries. (Hymenoptera, Sphecidae). Entomol. Tidskr. 86(1/2):64-67, map. Ref. 1965. 421 En891
- 22355 FISCHER, M. Die Braconidae des Steiermar- kischen Landesmuseums "Joanneum" in Graz (Hymenoptera, Braconidae) [The Braconidae of the Steiermarkisches Landesmuseum "Joan- neum" in Graz (Hymenoptera, Braconidae)]. Graz. Landesmus. "Joanneum." Abt. Zool. Bot. Mitt. 21,29 p. Ref. 1965. 510 St32
- 22356 FISCHER, M. A new Apanteles species from Burgenland (Hymenoptera, Braconidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(11/12):121-123. Dec.15,1965. 421 N11
Apanteles poisonis n. sp.
- 22357 GRANDI, G. Description of the male of a Ceratosolen Mayr (Hymenoptera, Chalcidoidea, Agaonidae) found in Africa (Ivory Coast) in the hair of the bat Hypsignathus monstrosus Al- len. (It) Bologna. Univ. Ist. Entomol. Boll. 27: 71-75. 1964/65. 420 B63
Ceratosolen aelleni n. sp.
- 22358 HEINRICH, G. H. Ichneumoninae from Burma. II. (Ge) Entomol. Tidskr. 86(3/4):133-177. 1965. 421 En891
Includes n. spp. in Stenogynaia n. g., Losgna, Hiorada, Crathiorada n. g., Malaisichneumon n. g., Gyrodontichneumon n. g., Ogulnia, Cliti- ga, Clitiga (Neoclitiga) n. sgen., Bovijoppa n. g., and Leptomalaisia n. g.
- 22359 HEINRICH, G. H. Ichneumoninae of Burma. I. (Ge) Entomol. Tidskr. 86(1/2):74-130, map. 1965. 421 En891
Includes n. spp. in Icheumon, Spilichneumon, Pseudamblyteles, Ctenichneumon, Eutanyacra, Achais, Amblyaneus n. g., Neamblyaneus n. g., Elysioreiga n. g., and Origlichneumon.
- 22360 ISHIKAWA, R. Studies on some Taiwan Pom- pilidae (Hymenoptera). Kontyu 33(4):507-520. Dec. 1965. 421 K333
Includes n. spp. in Dipogon (Deuteragenia), Calicurgus, and Clitodores (Paracalitodores).
- 22361 LIEFTINCK, M. A. Notes on some anthopho- re bees, mainly from the Old World (Apoi- dea). Tijdschr. Entomol. 109(6):125-161. Ref. 1966. 421 T21
Includes n. sp. in Elaphropoda n. g.
- 22362 MOCZAR, L. Remarks on Kieffer's and Marshall's types (Hymenoptera, Bethyliidae) in the Hungarian Natural History Museum. Acta Zool. [Budapest] 12(3/4):339-361. Ref. 1966. 410 Ac85
Includes n. spp. in Cerateprys.
- 22363 NAKANISHI, A. Description of a new ichneu- monid parasite of Pryeria sinica Moore (Hy- menoptera: Ichneumonidae). Kontyu 33(4):456-458. Dec.1965. 421 K833
Agrothereutes minusubae n. sp.
- 22364 PAPP, J. Contributions to the Hymenoptera fauna of the Bakony Mts. (West-Hungary). III. Apoidea. Rovartani Kozlemenyek (n.s.)18 (18/39):305-358, map. 1965. 420 Sol2
Bibliography, p.354-358.
- 22365 PAPP, J. Faunistic catalogue and ethological data of the Bracon Fabr. species in the Carpa- thian Basin (Hym., Braconidae). 1. (Cat. Hym. XIX.). (Hu) Rovartani Kozlemenyek (n.s.)19 (1/19):177-202. Ref. 1966. 420 Sol2
English summary.
- 22366 PARKER, F. D. A revision of the North American species in the genus Leptochilus (Hymenoptera: Eumenidae). Diss. Abstr., Sect. B, 27(3):1000B. Sept.1966. Z5055.U49D53
- 22367 SCHWARZ, M. Two new Nomada species from Greece (Hymenoptera, Apoidea). (Ge) Nach- richtenbl. Bayer. Entomol. 14(9/10):81-87. Oct.15,1965. 421 N11
Nomada hera n. sp. and N. priesneri n. sp.
- 22368 SERRA, F. V. Euodynerus (Euodynerus) espag- noli n. sp. (Hymenoptera, Eumenidae, Odyneri- nae). Spain. Inst. Biol. Apl. Publ. 39:105-107. Nov.1965. 442.9 Sp13
Test in Spanish.
German summary.
- 22369 STANEK, E. A contribution to the study of the solitary bees of the genus Osmia Panz. of the western Mediterranean area. (Ge) Bologna. Univ. Ist. Entomol. Boll. 27:193-214. 1964/65. 420 B63
- 22370 SZABO, J. B. Asolcus biroi n. sp. from You- goslavia (Hymenoptera). (Ge) Rovartani Koz- lemenyek (n.s.)18(18/39):425-428. 1965. 420 Sol2
- 22371 TACHIKAWA, T. Discovery of the male of the genus Pseudomalopoda (Hymenoptera: Chal- cidoidea-Encyrtidae). Shikoku Entomol. Soc. Trans. 9(1):20-39. Apr.1966. 420 Sh6
Pseudomalopoda shikokuensis.
- 22372 TAKADA, H. Three new species of the genus Lysaphidus Smith from Japan (Hymenoptera: Aphididae). Insecta Matsumurana 28(2):127-130. Mar.1966. 421 In77
- 22373 WIEBES, J. T. Bornean fig wasps from Ficus stupenda Miquel (Hymenoptera, Chalcidoidea). Tijdschr. Entomol. 109(7):163-192. Ref. 1966. 421 T21
Includes n. spp. in Blastophaga (Blastophaga), Arachonia, Sycoryctes, Sycoscapter, Sycoscap- teridae and Grandiana.
- 22374 YASUMATSU, K., and HIRASHIMA, Y. Two new species of Megachile from Taiwan (Hy- menoptera, Apoidea). Kontyu 33(3):373-384. Sept.1965. 421 K333
Megachile taiwanicola n. sp. and Megachile crassepunctata n. sp.
- 22375 ZIMMERMANN, S. Results of the Albanian expedition 1961 of the Deutsches Entomologi- sches Institut. XLIII. Hymenoptera, Clepti- dae and Chrysididae. (Ge) Beitr. Entomol. 15(5/6):753-757. Dec.1965. 421 B392
English summary.

Lepidoptera

- 22376 ALBERTI, B. Results of the Albanian expedi- tion 1961 of the Deutsches Entomologisches Institut. XXXIV. Lepidoptera, Hesperidae. (Ge) Beitr. Entomol. 15(5/6):649-660. Ref. Dec.1965. 421 B392
English summary.
- 22377 BERGER, L. A. A contribution to the study of Hesperidae of black Africa. (Fr) Lam- billonea 64(11/12):64-79. Ref. Dec.20,1965. 420 N15
- 22378 BERGER, L. A. Note on some Lepidoptera from Lozere. (Fr) Lambillonea 64(9/10):36-37. Nov.25,1965. 420 N15
Collecting.
- 22379 BETTAG, E. Pelosia obtusa new for the Pala- tinate (Lepidoptera, Arctiidae). (Ge) Entomol. Z. 76(3):29-30. Feb.1,1966. 421 En85
- 22380 BLESZYNSKI, S. Klucze do oznaczania owadow polski. XXVII. Motyle (Lepidoptera). 46 c. Miernikowce (Geometridae) Podrodzina Seli- doseminae [Keys to the identification of Polish in- sects. XXVII. Lepidoptera. 46 c. Geometridae, Seliidoseminae]. Pol. Zwiasek Entomol. Klucze Oznaczenia Owadow Pol. 27(Lepidoptera,46c), 122 p.. 1966. 422.59 P76

- 22381 BLESZYNSKI, S., RAZOWSKI, J., and ZUKOWSKI, R. The Lepidoptera fauna of the Pieniny Mountains. (Pol) Acta Zool. Cracov. 10(5): 375-493. Ref. July 31, 1965. 410 Ac86
- 22382 BRETHERTON, R. F. A distribution list of the butterflies (Rhopalocera) of western and southern Europe. Soc. Brit. Entomol. Trans. 17(1): 1-94. Mar. 1966. 420 Sol5
- 22383 BROWN, F. M. Comments on the genus *Ceryonix* Scudder with figures of types (Satyridae). J. Res. Lepidoptera 4(2):131-145. Ref. June 1965. 421 B327
- 22384 BURMANN, K. A contribution to the study of distribution of *Apotomis infida* Heinrich (Lepidoptera, Tortricidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(3/4):39. Apr. 15, 1965. 421 N11
- 22385 BURMANN, K. *Exapate duratella* Heyden (Lepidoptera, Tortricidae); a further contribution to the study of distribution and biology. (Ge) Nachrichtenbl. Bayer. Entomol. 14(3/4):25-28. Apr. 15, 1965. 421 N11
- 22386 CAPUSE, I. New and rare Palaearctic Tineidae (Lepidoptera). Tijdschr. Entomol. 109(5): 103-124. Ref. 1966. 421 T21
- 22387 COWAN, C. F. *Neolycaena deNiveville*, 1890 (Insecta, Lepidoptera, Lycaenidae): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1758. Bull. Zool. Nomencl. 23(4):188-189. Oct. 14, 1966. 410 B874
- 22388 DABROWSKI, J. S. *Slimakowki* (Cochliidiidae), *krasniki* (Zygaenidae) [Cochliidiidae, Zygaenidae]. Pol. Zwiasek Entomol. Klucze Oznaczenia Owadów Pol. 27(Lepidoptera, 14/15), 45 p. 1965. 422.59 P76
- 22389 DE WORMS, B. A review of Lepidoptera in Great Britain during 1965. Suffolk Natur. Soc. Trans. 13(4):210-213. July 1966. 410.9 Su2
- 22390 DIERL, W. Determination of a lectotype of *Eumeta variegata* (Snellen) (Lepidoptera, Psychidae). (Ge) Leiden. Rijksmus. Natuur. Natuur. Hist. Zool. Mededel. 40(29):277-279. Nov. 11, 1965. 410.9 L59
- 22391 DUFAY, C. Description of two new species of *Euchalcia* Hubner from the Caucasus (Lep. Noctuidae Plusiinae); preliminary note. (Fr) Entomops 4:123-126. Fourth Q. 1965. QL461.E53
- 22392 DUGDALE, J. S. A new genus for the New Zealand "elusive Tortrix" (Lepidoptera, Tortricidae, Tortricinae). New Zeal. J. Sci. 9(2): 391-398. June 1966. 514 N482
- 22393 DUJARDIN, F. *Papilionidae*: species from France and subspecies from the Alpes-Maritimes. (Fr) Entomops 4:120-122. (Cont.) Fourth Q. 1965. QL461.E53
- 22394 EBBERT, H. Collection of butterflies (Lepidoptera, Rhopalocera) from the Amapari River (Amapa Territory), with taxonomic annotations on the Rhopalocera of Brazil. (Por) Sao Paulo. Dep. Zool. Papéis Avulsos 18:65-85. Ref. 1965. 410.9 Sa63
- 22395 EICHLER, F., and FRIESE, G. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XXXII. Lepidoptera. Sphingidae. (Ge) Beitr. Entomol. 15(5/6):633-640. Ref. Dec. 1965. 421 B392
- 22396 GOZMANY, L. A. Four new tineid genera from Central Africa. *Lambillionea* 64(1/4):2-8. Oct. 25, 1965. 420 N15
- 22397 GOZMANY, L. A. A tineid material (Lepidoptera) from Bangui, Central African Republic. Acta Zool. [Budapest] 12(3/4):251-266. 1966. 410 Ac85
- 22398 HASSLER, H. A new cold form of *Vanessa atalanta* (Lepidoptera, Nymphalidae). (Ge) Entomol. Z. 76(13):145-148. July 1, 1966. 421 En85
- 22399 HEATH, J. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XXXIII. Lepidoptera, Micropterygidae. (Ge) Beitr. Entomol. 15(5/6):641-647. Dec. 1965. 421 B392
- 22400 HECQ, J. Remarks on the Belgian fauna. (Fr) *Lambillionea* 64(11/12):80-82. Dec. 20, 1965. 420 N15
- 22401 HEINICKE, W. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XXXI. Lepidoptera, Noctuidae. (Ge) Beitr. Entomol. 15(5/6):503-632. Ref. Dec. 1965. 421 B392
- 22402 HERBULOT, C. *Lepidopteres Geometridae* du Tibesti [Lepidoptera Geometridae of the Tibesti]. *Lambillionea* 63(5/8):25-40. Aug. 31, 1965. 420 N15
- 22403 HERBULOT, C. A second note on the Eupithecia of Bure (Mourthe-et-Moselle). (Fr) *Lambillionea* 64(9/10):33-35. Nov. 25, 1965. 420 N15
- 22404 HERRERA, J., and HOWARTH, T. H. Genitalia of the Chilean types of Satyridae deposited in the British Museum. (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:73-126. Ref. 1966. 420 C432
- 22405 HERRERA, J. *Quilaphoetus*, *Chianella*, and *Haywardella* new genera of Andean Satyridae (Lepidoptera). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:69-72. 1966. 420 C432
- 22406 HODGES, R. W. *Cosmopterix* Hubner, 1825 (Insecta: Lepidoptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1742. Bull. Zool. Nomencl. 23(4):155-156. Oct. 14, 1966. 410 B874
- 22407 HOLST, P. L. *Hydracria ultima* nov. spec. (Lepidoptera, Noctuidae). Entomol. Medd. 34(1):54-60. 1965. 421 En82
- 22408 HOUVEZ, P. Collecting *Ochrostigma velutaria* Hfn. (Lepidoptera). (Fr) *Lambillionea* 64(1/4):10-11. Oct. 25, 1965. 420 N15
- 22409 INOUE, H. List of moths from the Ryukyu Islands taken by the 1963 and 1964 field works, with description of a new species and subspecies (Lepidoptera). Kontyu 33(3):351-363. Sept. 1965. 421 K833
- 22410 JABLONKAY, J. Description of a new subspecies of *Erannis ankeraria* Sgr. and a report on Macrolepidoptera collected in the Eger area and in the Bükk Mountains. (Ge) Rovartani Közlemenyek (n.s.) 18(18/37):521-550, map. 1965. 420 Sol2
- 22411 JANMOULLE, E. *Erannis ankeraria bervaensis*. (Fr) *Lambillionea* 65(1/2):12. Dec. 25, 1965. 420 N15
- 22412 JANMOULLE, E. New species for the Belgian fauna: *Coleophora alnifoliae* Barsch (Coleophoridae). (Fr) *Lambillionea* 64(1/4):1. (Cont.) Oct. 25, 1965. 421 N15
- 22413 JANMOULLE, E. New species of the Belgian fauna: *Heterographis obitella* Z. (Pyralidae, Phycitinae) *Conchythis degeyana* McLachlan (Tortricidae, Conchylinae). (Fr) *Lambillionea* 63(9/12):42. Sept. 25, 1965. 420 N15
- 22414 JANMOULLE, E. *Oncrostoma copiosella* Frey (Hyponomeutidae) a good species; new for France? (Fr) *Lambillionea* 64(1/4):16. Oct. 25, 1965. 420 N15

- 22415 JANMOULLE, E. Remarks on the Belgian fauna. (Fr) *Lambillionea* 64(1/4):12-13. (Cont.) Oct.25,1965. 420 N15
Collection of Lepidoptera.
- 22416 JANMOULLE, E. Remarks on the Belgian fauna. (Fr) *Lambillionea* 64(9/10):52. (Cont.) Nov.25,1965. 420 N15
Tinea insectella.
- 22417 KAWABE, A. On the Japanese species of the genus *Clepsis* Hb. (Lepidoptera, Tortricidae). *Kontyu* 33(4):459-465. Dec.1965. 421 K833
Includes n. spp.
- 22419 KOSTROWICKI, A. S. The relations between local Lepidoptera-faunas as the basis of the zoogeographical regionalization of the Palaearctic. *Acta Zool. Cracov.* 10(7):515-583, map. Ref. Nov.15,1965. 410 Ac86
- 22419 LEMPKE, B. J. Catalogus der Nederlandse Macrolepidoptera (twaalfde supplement) [Catalog of Dutch Macrolepidoptera; 12th supplement. *Tijdschr. Entomol.* 108(10):241-323, map. 1965. 421 T21
Chiefly subfamily Amphipyrrinae.
- 22420 MAIRHUBER, F. Microlepidoptera fauna of the Province of Salzburg. I. (Ge) *Nachrichtbl. Bayer. Entomol.* 14(3/4):33-38. Apr.15, 1965. 421 N11
- 22421 MEISE, A. On the distribution of *Crambus latistrius* in North Rhine-Westphalia (Lepidoptera, Pyralidae). (Ge) *Entomol. Z.* 75(23):272. Dec.1,1965. 421 En85
- 22422 MESZAROS, Z. A comparison of the microlepidoptera materials collected by normal and UV light traps. (Hu) *Rovartani Közlemenyek* (n.s.) 19(1/19):109-133. 1966. 420 So12
Text also in English.
- 22423 MILLER, L. D. The evolution, phylogeny and zoogeography of the higher taxa of the Satyridae (Insecta: Lepidoptera). *Diss. Abstr.*, Sect. B, 27(4):1330B-1331B. Oct.1966. Z5055.U49D53
- 22424 MILLER, L. D. Systematics and zoogeography of the genus *Phanus* (Hesperiidae). *J. Res. Lepidoptera* 4(2):115-130, map. June 1965. 421 J827
Includes *Phanus australis* n. sp.
- 22425 NICULESCU, E. V. A critical evaluation of the systematics and phylogeny of Nymphalidae (Lepidoptera). (Fr) *Lambillionea* 64(5/8):17-32. Ref. Oct.25,1965. 420 N15
- 22426 OBRAZTSOV, N. S. The genera of Palaearctic Tortricidae. II. Subfamily Olethreutinae. 6. (Ge) *Tijdschr. Entomol.* 108(12):365-387. 1965. 421 T21
Taxonomic revision of the genus *Epiblema*.
- 22427 OKU, T. Two new species of Tortricidae from the Kurile Islands (Lepidoptera: Tortricidae). *Kontyu* 33(4):452-455. Dec.1965. 421 K833
Clepsis chishimana n. sp. and *Celyphoides kurilensis* n. sp.
- 22428 PORTER, J. W. An annotated list of butterflies for northwestern Ohio. *J. Res. Lepidoptera* 4(2):109-112. June 1965. 421 J827
- 22429 QUICKELBERGE, C. D. A new species of *Poecilmitis* Butler (Rhopalocera) from the Eastern Cape. *Novos Taxa Entomol.* 47, 11 p. Mar. 1966. 421 N853
Poecilmitis beulah n. sp.
- 22430 RAZOWSKI, J. The Palaearctic *Cnephasiini* (Lepidoptera, Tortricidae). *Acta Zool. Cracov.* 10(3):199-343. Ref. June 30,1965. 410 Ac86
Includes n. spp. in *Cnephasia* (*Cnephasia*), *Oxypteron*, and *Eana* (*Eana*), and *Kawabea* n. g.
- 22431 RILEY, N. D. *Scopetes* Hubner (1819) v. *Capy's* Hewitson 1864 (Lepidoptera, Lycaenidae), a case of a forgotten name. *Z.N.(S.)* 1748. *Bull. Zool. Nomencl.* 23(4):165-166. Oct.14,1966. 410 B874
- 22432 ROESLER, U., and BECKER, M. An interesting abnormality of *Zygaena filipendulae* L. (Lepidoptera, Zygaenidae). (Ge) *Nachrichtbl. Bayer. Entomol.* 14(11/12):126. Dec.15, 1965. 421 N11
Wings.
- 22433 SCHMIDT-KOEHL, W. Neue Beiträge zur Macrolepidopteren-Fauna Oberandalusiens aus den Provinzen Granada, Almería und Málaga (Südspanien) [New contributions to the Macrolepidoptera fauna of the upper Andalusian Provinces of Granada, Almería and Málaga (South Spain)]. *Entomol. Z.* 75(21):241-248; (24):278-284. Nov.1, Dec.15, 1965. 421 En85
- 22434 SCHMIDT-KOEHL, W. Two noteworthy 1965 finds of Lepidoptera in the Saar region. (Ge) *Entomol. Z.* 76(13):148-150. July 1, 1966. 421 En85
Daphnis nerii and *Argynnis paphia* f. *valesiana*.
- 22435 STROBINO, R. Lepidoptera on the snow: new observations. (Fr) *Entomops* 4:105-109. Fourth Q.1965. QL461.E53
In France in the Alpes-Maritimes.
- 22436 SUGI, S. The Noctuidae from Tokunoshima, the Amami Islands (Lepidoptera). *Kontyu* 33(3):365-371. Sept.1965. 421 K833
Includes *Leucania inoue*, *Simplicia pseudoniphona* and *Simplicia ryukyuensis*, n. spp.
- 22437 VAN DEURS, W. New Lepidoptera, 1964. (Da) *Entomol. Meddelelser* 34(2):154. 1965. 421 En82
- 22438 VIETTE, P. Description of a new species of *Scoparia* (*Scoparia* *maniifestella* auctorum) (Fr) *Lambillionea* 63(9/12):46-48. Sept.25,1965. 420 N15
Scoparia marioni n. sp.
- 22439 VIETTE, P. New species of quadrifid Noctuidae from the Malagasy Republic (Lepidoptera). (Fr) *Lambillionea* 64(9/10):38-49. Nov.25, 1965. 420 N15
New spp. in *Lyncestis*, *Catephia*, *Melanephia*, *Megacephalon*, *Pseudotolna*, *Sphingomorpha*, *Eudrapa*, *Brevipecten*, *Anomis*, *Gnamptonyx* and *Rhynchina*.
- 22440 VIETTE, P. A note on the Notodontidae *Thaumetopoeinae* of Madagascar (Lepidoptera). (Fr) *Lambillionea* 65(1/2):1-6. Dec.25,1965. 420 N15
Includes n. spp. *Hypsoides befortakana*, *Hypsoides kiriaokoffi* and *Anaphe zombitsyana*.
- 22441 VOJNITS, A. The real migrant butterflies. (Hu) *Rovartani Közlemenyek* (n.s.) 19(1/19):167-175. Ref. 1966. 420 So12
English summary.
- 22442 WAGNER, H. A contribution to the Macrolepidoptera fauna of southern Bavaria (Lepidoptera, Lycaenidae, Noctuidae, Geometridae). (Ge) *Nachrichtbl. Bayer. Entomol.* 14(3/4):29-33. Apr.15,1965. 421 N11
- 22443 WERY, A. In Corsica. (Fr) *Lambillionea* 63(9/12):43-46. Sept.25,1965. 420 N15
Collecting Lepidoptera.
- 22444 ZIMMERMAN, E. C., and RILEY, N. D. *Gracilaria* Haworth, 1828 (Insecta, Lepidoptera): proposed addition to the official list of generic names. *Z.N.(S.)* 1757. *Bull. Zool. Nomencl.* 23(4):186-187. Oct.14,1966. 410 B874

Orthoptera

- 22445 CHOPARD, L. Results of the excursion on the cruiser "Vema" in the eastern Mediterranean regarding finds of Orthoptera. (Fr) *Fragmenta Entomol.* 4(6):73-79. May 31,1965. 421 F84
English summary.
Dolichopoda, *Gryllopsis* and *Periplaneta* spp.
- 22446 DESCAMPS, and DONSOKOFF. Contribution to the knowledge of the fauna of the Near East (G. Remaudiere Missions 1955 to 1962). III. Orthoptera Acridoidea. (Fr) *Vie Milieu*, Ser. C, Biol. Terrestre 16(1):497-516. Ref. 1965. QH301.V5
English summary.
Includes *Conophyma remaudierei* n. sp.
- 22447 LA GRECA, M. On some Blattodea, Mantodea and Orthoptera of the Italian fauna, new or little known. (It) *Fragmenta Entomol.* 4(6):63-71. May 31,1965. 421 F84
English summary.

- 22449 LIANA, A. Orthoptera of Masovia. (Pol) Fragmenta Faunistica 12(16):239-280, map. Ref. Jan. 15, 1966. 410.9 W26F
- 22449 PFADT, R. E. Key to Wyoming grasshoppers, Acrididae and Tetrigidae. Wyo. Agr. Exp. Sta. Mimeo. Circ. 210, 25 p. Feb. 1965. 100 W99M
- 22450 STEINMANN, H. *Asiomethis tauritus flavipes* ssp. n. (Orth., Pamphaginae) from Kazakhstan. Rovartani Kozlemyek (n.s.) 19(1/9):143-147. 1966. 420 Sol2
- 22451 STEINMANN, H. New Phaneroptera Serv. and Nephoptera Uv. species (Orthoptera, Tettigoniidae). Acta Zool. [Budapest] 12(3/4):409-417. 1966. 410 Ac85
- 22452 ZAPATA, S. Morphology and systematics of *Coptopteryx gayi* (Blanchard) 1851 (Mantidae). (Sp) Chile. Univ. Centro Estud. Entomol. Publ. 8:23-43. 1966. 420 C432
English summary.
- Smaller Orders**
- 22453 AKADEMIYA NAUK KIRGIZSKOI SSR, INSTITUT BIOLOGII. Vrednye gryzuny Kirgizii [Harmful rodents in Kirghizia]. Frunze, Ilim, 1966. 127 p., map. Ref. QL737.R6A35
Includes fleas as pests and *Ceratophyllus abramovi* n. sp.
- 22454 ANANTHAKRISHNAN, T. N. Thysanopterologica indica. III. Entomol. Tidskr. 86(1/2):49-63. 1965. 421 En891
Includes n. spp. in *Segnothrips* n. g., *Stannardothrips* n. g., *Xenothrips* n. g., *Podothrips* (Neopodothrips) n. sgen., *Podothrips* (Kentrothrips), *Malacothrips*, and *Odonotoploths*.
- 22455 ASAHINA, S. The Odonata of Hongkong. Kontyu 33(4):493-506. Ref. Dec. 1965. 421 K833
- 22456 BARTOS, E. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut, XXXV. Mecoptera. (Ge) Beitr. Entomol. 15(5/6):661-664. Ref. Dec. 1965. 421 B392
English summary.
- 22457 BELLE, J. Surinam dragon-flies of the genus *Progomphus*. In Geijskes, D. C., and Hummelinck, P. W., ed. Studies on the fauna of Suriname and other Guyanas, v.8, p.1-28. 1966. 411.2 G272
Includes n. spp.
- 22458 BENEDEK, P. Classification of the dragon flies (Odonata) in Hungary. (Hu) Rovartani Kozlemyek (n.s.) 18(18/39):407-423. 1965. 420 Sol2
English summary.
Bibliography, p.415-423.
- 22459 BENEDEK, P. Two new species of Agrion in Hungary. (Hu) Rovartani Kozlemyek (n.s.) 18(18/39):625-626. 1965. 420 Sol2
Agrion hastulatum and A. venale.
- 22460 BOTOSANEANU, L. New finds of Trichoptera in Poland, Rumania and Bulgaria. (Ge) Latvijas Entomol. 10:53-60. Ref. 1965. 421 L35
Distribution and taxonomy.
- 22461 BULLENS, A. M. Phylogeny of Odonata based on larval proventriculus. (Du) Natuurhist. Genoot. Limburg. Natuurhist. Maandbl. 55(6):88-95. June 29, 1966. 409.6 N2123N
French summary.
- 22462 EDA, S. On white-winged specimens of *Mnais strigata* Selys (Odonata, Calopterygidae). (Ja) Kontyu 33(3):261-266. Sept. 1965. 421 K833
English summary.
- 22463 ENDRODI, S. Revision of the article by P. Benedek "Taxonomy of Odonata in Hungary." (Hu) Rovartani Kozlemyek (n.s.) 19(1/9):291-292. 1966. 420 Sol2
- 22464 GRANDI, M. A contribution to the study of Ephemeroptera of Italy. XXV-XXVI. (It) Bol. ogra, Univ. Ist. Entomol. Boll. 27:77-125. Ref. 1964/65. 420 B63
English summary.
XXV, External male genitalia of the preimaginal in Ephemeroptera; XXVI, Description of the nymphs of the genus *Centroptilum* Etm.
Includes *Centroptilum forlivense* n. sp.
- 22465 HALE, W. G. A population study of moorland Collembola. Pedobiologia 6(1):65-99. Ref. 1966. 56.8 P343
Great Britain.
- 22466 HOLZEL, H. Notes on Chrysopidae. II. *Chrysopa nigricostata* Br. (Neuroptera, Planipennia). (Ge) Nachrichtenbl. Bayer. Entomol. 14(7/8):74-76. Sept. 15, 1965. 421 N11
- 22467 JURZITZA, G. On some problems of the range of *Cordulegaster boltonii* Donovan (Odonata, Anisoptera). (Ge) Nachrichtenbl. Bayer. Entomol. 14(1/4):4-8. Jan. 15, 1965. 421 N11
- 22468 KIAUTA, B. On the odonate fauna of Warmbad Villach in southern Carinthia. Beaufortia 13(152):35-46. Ref. Sept. 10, 1965. 410 B38
- 22469 KIMMINS, P., and CARPENTER, F. M. Comments on the proposals regarding Chrysopinae in Neuroptera and Diptera. Z.N.(S.) 1725. Bull. Zool. Nomencl. 23(4):132. Oct. 14, 1966. 410 B874
- 22470 KIS, B. Data to the Neuroptera fauna of Rumania. (Ge) Rovartani Kozlemyek (n.s.) 18(18/39):359-366. Ref. 1965. 420 Sol2
- 22471 KRISHNA, K. A new species of termite from the Nicobar Islands (Isoptera, Termitidae, Nasutitermitinae). Entomol. Meddelelser 34(2):197-110. 1965. 421 En82
Nasutitermes fabricii n. sp.
- 22472 KUWAYAMA, S. The type specimens of the Neuroptera in the collection of the Entomological Institute, Hokkaido University. Insecta Matsumurana 28(2):133-140. Ref. Mar. 1966. 421 In77
- 22473 LIEFTINCK, M. A. Some Odonata of the genus *Trapanosticta* Laidlaw, chiefly from the Malay Peninsula (Platystictidae). Leiden, Rijksmus. Natur. Hist. Zool. Mededel. 40(21):171-186. June 17, 1965. 410.9 L59
Includes n. spp.
- 22474 LOHMANN, H. Some dragonflies from Carinthia (Odonata). (Ge) Entomol. Z. 76(13):150-152. July 1, 1966. 421 En85
- 22475 LOKSA, I., and RUBIO, I. Collembola from Chile, Norte Grande. I. (Ge) Acta Zool. [Budapest] 12(3/4):323-330. Ref. 1966. 410 Ac85
Includes n. spp. in *Oncychiurus* (*Oncychiurus*), *Varisotoma*, and *Proisotoma*.
- 22476 NEBEKER, A. V. The taxonomy and ecology of the family Capniidae (Plecoptera) of the Western United States. Diss. Abstr., Sect. B, 27(4):1331B. Oct. 1966. Z5055.U49D53
- 22477 OHM, P. Study of *Grocus bore* Tjeder (Neuroptera, Myrmeleontidae). (Ge) Nachrichtenbl. Bayer. Entomol. 14(3/4):17-24, map. Ref. Apr. 15, 1965. 421 N11
Taxonomy and distribution.
- 22479 PACLT, J. New contribution to the knowledge of Apterygota collections of the State Zoological Institute and the Zoological Museum, Hamburg. I. Diplura. (Ge) Hamburg. Zool. Staatssinst. Zool. Mus. Entomol. Mitt. 3(54):1-12. Sept. 15, 1965. 421 H17
Includes *Iapyx* n. sp.
- 22479 PELIKAN, J. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XLV. Thysanoptera (supplement to the 21st contribution). (Ge) Beitr. Entomol. 15(5/6):761-762. Dec. 1965. 421 B392
English summary.
- 22490 PETERS, W. L. A revision of the generic classification of the Eastern Hemisphere Leptophlebiidae (Ephemeroptera). Diss. Abstr., Sect. B, 27(4):1332E. Oct. 1966. Z5055.U49D53
- 22491 PETERSEN, H. The Collembola of the Handed Reserve, Thy, North Jutland; taxonomy, ecology, (with a description of a new species and subgenus and a record of a single species of *Protura* [Eosentomon transitorium]). Entomol. Medd. 30(4):313-395. Ref. 1965. 421 En82
Includes *Tullbergia* (*Scaphophorura*) n. sgen. and T. (S.) *arenaria* n. sp.

- 22492 PUISSEGUR, C. Remarks on three species of *Ascalaphus* F. (Planip. Ascalaphidae) in southern France. (Fr) *Vie Milieu, Ser. C. Biol. Terrestre* 16(1):583-592, 1965. QH301.V5 English summary.
Ascalaphus longicornis, A. libelluloides, and A. ottomanus.
- 22493 RAUSER, J. Results of the Albanian expedition 1961 of the Deutsches Entomologisches Institut. XLIV. Plecoptera (supplement to the 11th contribution). (Ge) *Beitr. Entomol.* 15 (5/6):759-760, Dec.1965. 421 B392 English summary.
- 22494 SART, A. C. Distribution, ecology and biocenosis of the Iberian Odonata. (Sp) *Spain. Inst. Biol. Apl. Publ.* 39:33-64. Ref. Nov.1965. 442.9 Sp13 English summary.
- 22495 SCHMID, F. Some Asiatic Trichoptera. II. (Fr) *Entomol. Tidskr.* 86(1/2):28-35, 1965. 421 En891 Includes n. spp. in *Limnophilus*, *Hydatophylax* and *Goera*.
- 22496 SPURS, Z. D. New data on the fauna of Trichoptera of Latvia and southeast Estonia. (Rus) *Latvijas Entomol.* 10:33-52, map. Ref. 1965. 421 L35 Taxonomy and distribution.
- 22497 STEINMANN, H. The zoological results of Gy. Topal's collections in south Argentina. 19. Neuroptera, Hemerobiidae, Rovartani Kozle-menyek (n.s.)18(18/39):567-574. 1965. 420 Sol2 Includes n. spp. in *Symphorobius*, and *Hemerobius*.
- 22498 STRASSEN, R. ZUR. The first Dendrothrips from the Canary Islands (Insecta, Thysanoptera, Thripidae). (Ge) *Senckenb. Biol.* 46(4):275-277. Oct.30.1965. 410.9 S65 Dendrothrips *priesneri* n. sp.
- 22499 TOBIAS, W. Supplementary observations on the Trichoptera of the southern Black Forest. (Ge) *Entomol. Z.* 75(23):265-269. Ref. Dec.1, 1965. 421 En85 Collecting.
- 22490 WERNER, E. Contribution to the knowledge of Chilean Plecoptera. (Ge) *Beitr. Neotrop. Fauna* 4(3):227-233. Dec.1965. 410 B395 English summary.
- INSECT CONTROL
- 22491 BALUJA MARCOS, G. Determination of total organic and labile chlorine and thin layer chromatography applied to the analysis of commercial mixtures of BHC and DDT. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(4):489-494. Ref. Oct./Dec.1965. 389.8 R324
- 22492 BARLOW, F. Spontaneous decomposition of a sample of pure endrin. *Nature [London]* 212 (5061):505. Oct.29.1966. 472 N21
- 22493 BENEDEK, P. Lucerne seed production and the wild bees. (Hu) *Magyar Mezogazdasag* 21 (43):14-15. Oct.26.1966. 19 M27 Pollination activity.
- 22494 BERTHELM, P. An experiment on the utilization of pollinating insects "Bombus" Latr. in the improvement of field beans "Vicia faba" L. (Fr) *Ann. Amelior. Plantes* 16(1):101-115. 1966. 14 F8499A English summary.
- 22495 BRITVEC, B. Some new insecticides from the group of chlorinated hydrocarbon insecticides: heptachlor. (Se) *Biljna Zastita* 10(2/3):60-63. Feb./Mar.1966. 464.8 B49
- 22496 CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION. Proceedings of the 52nd mid-year meeting, May 15, 16, 17, 18, 1966, Chicago, Ill. New York, 1966. 194 p. Ref. 307.9 C42 Includes work of the Insecticide Division.
- 22497 COLEY, G., and STUTZ, C. N. Treatment of parathion wastes and other organics. *Water Pollut. Contr. Fed. J.* 38(8):1345-1349. Aug. 1966. 293.8 S88
- 22498 CROSNIER, R. Considerations on the use of insecticides. (Fr) *Econ. Med. Anim.* 6(6):352-359. Nov./Dec.1965. 41.8 Ec7 Includes techniques and formulations.
- 22499 FISHBEIN, L., and others. Photodecomposition of piperonal. *Nature [London]* 212(5058):180-182. Ref. Oct.8.1966. 472 N21 W. L. Zielinski, R. O. Thomas, and H. L. Falk, joint authors.
3,4-Methylenedioxy benzene derivative used as synergist.
- 22500 GAMAZO, J. A. What is vamidothion. (Sp) *A.G. (Rev. Agr. Canad.)* 6(20):17-23. Mar./Apr.1965. 15 Ag88 Insecticide.
- 22501 GEORGE, E. Pesticides. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 40:101-106. 1966. 44.9 N4833 Regulation; insecticides chiefly.
- 22502 GRUNER, L. Insect chemosterilants. (Fr) *Rev. Zool. Agr. Appl.* 65(1/3):1-40. Ref. First Q.1966. 410.9 Sol2 Bibliography, p.39-40.
- 22503 HOLLINGWORTH, R. M. Biochemical factors determining selective toxicity of the insecticide Sumithion and its analogs. *Diss. Abstr.*, Sect. B, 27(2):340B-341B. Aug.1966. Z5055.U49D53
- 22504 HORSEY, J. Choosing a solvent for insecticide formulations. I. *Farm Chem.* 129(10):42-44. 46. Oct.1966. 57.8 Am3
- 22505 HOUSER, E. C. Summary of Missouri insect conditions, 1965. *Mo. Univ. Ext. Circ.* 865, 18 p., map. June 1966. 275.29 M69C
- 22506 HUBER, R. T., and OSMUN, J. V. Insects and other arthropods of economic importance in Indiana during 1965. *Ind. Acad. Sci. Proc.* 75:116-129. 1965, pub.1966. 500 In2
- 22507 JENSEN, L. D., and GAUFIN, A. R. Acute and long-term effects of organic insecticides on two species of stonefly naiads. *Water Pollut. Contr. Fed. J.* 38(8):1273-1286. Aug.1966. 293.8 S88
- 22508 JOHANSEN, C., and EVES, J. Parasites and nest destroyers of the alfalfa leafcutting bee [Megachile rotundata]. *Wash. Agr. Exp. Sta. Circ.* 469, 12 p. Ref. Sept.1966. 100 W27S Important insect pollinator.
- 22509 LOBSACK, T. Das Ratsel der Keim-Resistenz; wie machen es Insekten und Mikroben, gegen so starke Mittel wie DDT oder Penicillin unempfindlich zu werden? [Mystery of resistance; how the insects and microbes are building their resistance against such strong preparations as DDT and penicillin?]. *Kosmos* 62 (2):68-70. Feb.1966. 474 K842
- 22510 NELSON, S. O. Electromagnetic and sonic energy for insect control. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):398-403, 405. Ref. 1966. 290.9 Am32T
- 22511 OSMUN, J. V. The role of pest control operators in developing new insecticides. *CSMA (Chem. Spec. Manufacturers Ass.) Proc.*, 52d Mid-year Meeting:163-164, 1966. 307.9 C42 Includes application and tests.
- 22512 PEKOVIC-TADIC, I., and others. Semi-quantitative determination of organophosphorus insecticides by the ring-over technique with preliminary thin-layer chromatography. *Analyst* 91(1087):595-597. Sept.1966. 382 An1 M. B. Celap, T. J. Janjic, and S. Lj. Vitorovic, joint authors.
- 22513 POPOV, P. A. New trends in the application of insecticides. (Bu) *Selskostopanska Nauk.* 5(3):31-37. Ref. 1966. 21 Se492
- 22514 PRADHAN, S., and RANGARAO, P. V. A new physical theory of the mode of action of DDT. *Experientia* 22(9):619. Sept.15.1966. 475 Ex7 Effect of temperature on *Schistocerca gregaria* treated with DDT.
- 22515 SCHULTEN, G. G. M. Genetics of resistance to parathion and demeton-S-methyl in *Tetranychus urticae* Koch (Acarina). *Genetica* 37(2):207-217. Ref. 1966. 442.8 G282
- 22516 SCOTT, M. E. DDT, miracle or hazard? (Por) *Gaz. Agr. Angola* 11(9):1368-1369. Sept. 1966. 24 G252

- 22517 SILVEIRA GUIDO, A. Control integrado, nueva filosofía en la lucha contra las plagas [Integrated control, new philosophy in pest control]. Montevideo, Univ. Fac. Agron. Bol. 82, 43 p. Ref. Dec. 1965. 102.5 M76B
Tests in Peru and Uruguay.
- 22518 WILKINSON, C. F. Synergism and the carbamate insecticides. 2. Farm Chem. 129(10):48, 50, 52. Oct. 1966. 57.8 Am3
To combat insecticide resistance.
- 22519 ZON, A. Q. VAN, and HELLE, W. A search for linkage between genes for albinism and parathion resistance in *Tetranychus pacificus* McGregor. Genetica 37(2):181-185. 1966. 442.8 G282
- Pests of Animals and Man
- 22520 ADAM, J. P., LAUDAU, I., and CHABAUD, A. G. The discovery of rodents infected by *Plasmodium* in the region of Brazzaville. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(2):140-141. July 11, 1966. 505 P21
The possible transmission of *Plasmodium* berghiei and *P. vinckei* by *Anopheles*.
- 22521 ALCAINO, H., and TAGLE, I. Cheyletiella parasitivorax in Chile. (Acarina; Cheyletidae). (Sp) Bol. Chileno Parasitol. 21(1):18. Jan./Mar. 1966. 436.9 C43
English summary.
On rabbit.
- 22522 ALENCAR, J. E. DE. Study of the epidemiology of Chagas disease in Ceara. III. (Por) Rev. Brasil Malariol. Doencas Trop. 17(2/3):149-158, map. Ref. Apr./Sept. 1965. 448.8 R3283
English summary.
Includes wildlife reservoirs and insect vectors chiefly *Triatoma brasiliensis*, possibly transmitting *Trypanosoma cruzi*.
- 22523 ALLEN, J. R. Passive transfer between experimental animals of hypersensitivity to *Aedes aegypti* bites. Exp. Parasitol. 19(1):132-137. Ref. Aug. 1966. 436.8 Ex7
Observed in blood of guinea pigs.
- 22524 ALVARADO, J., ASTROM, G., and HEATH, G. B. S. An investigation into remedies of sarna (Sarcoptic mange) of alpacas in Peru. Exp. Agr. 2(4):245-254. Ref. Oct. 1966. 10 Ex72
Caused by *Sarcoptes scabiei* and *Psoroptes* communis.
- 22525 ANDERSEN, D. M. Ecological factors affecting mosquito control on Utah marshes. Diss. Abstr., Sect. B, 27(4):1320B. Oct. 1966. Z5055.49D53
- 22526 ANDREEV, K. P., and VOLIK, G. N. Control of blood-sucking insects on steppe pastures. (Rus) Veterinariya 6:105-108. June 1966. 41.8 V6426
Chemical.
- 22527 ARNOLD, F. D. An evaluation of the housefly problem in the major populated counties in Utah. Diss. Abstr., Sect. B, 27(4):1037B. Oct. 1966. Z5055.49D53
- 22528 ARZAMASOV, I. T., and others. Parasites of Scuridae in Belorussia. (Rus) Zool. Zhur. 45(6):830-835. Ref. 1966. 410 R92
N. L. Dyl'ko, I. V. Merkasheva, and Yu. T. Petrovskii, joint authors.
English summary.
Includes arthropods.
- 22529 BARKER, J. S. Abate—a new mosquito larvicide. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:160-162. 1966. 307.9 C42
- 22530 BARRETTO, M. P., and CARVALHEIRO, J. R. Studies on wild reservoirs and vectors of *Trypanosoma cruzi*. XII. Preliminary survey on wild triatomines in the municipality of Uberaba, Minas Gerais. (Por) Rev. Brasil. Biol. 26(1): 5-14. Ref. May 1966. 442.8 R326
English summary
Found in palm trees.
- 22531 BAR-ZEEV, M., BRACHA, P., and SELF, I. S. The effect of soot on the residual toxicity of Bayer 39007 on mud surfaces of southern Nigerian huts. Riv. Parasitol. 27(1):33-38. Mar. 1966. 436.8 R52
Tests with *Anopheles gambiae* and *Aedes aegypti*.
- 22532 BIAGI, A. M. DE B. DE, BELTRAN H., F., and BIAGI F., F. New knowledge on Phlebotomus in an area endemic to cutaneous leishmaniasis in Yucatan. (Sp) Rev. Invest. Salud Publica 26(2):139-153. Ref. Apr./June 1966. 449.9 M572
Vector of *Leishmania mexicana*.
- 22533 BIAGI F., F., BIAGI, A. M. DE B. DE, and BELTRAN, H. Phlebotomus flaviscutellatus, natural vector of leishmaniasis. (Sp) Rev. Invest. Salud Publica 26(1):91. Jan./Mar. 1966. 449.9 M572
- 22534 BURDICK, G. E., and others. Toxicity of Sevin (carbaryl) to fingerling brown trout. N. Y. Fish Game J. 12(2):127-146. Ref. July 1965. 410 N48
H. J. Dean, E. J. Harris, J. Skea, and D. Colby, joint authors.
- 22535 COELHO, M. DE V., CUNHA, A. S., and FALCAGO, A. R. Notes on a focus of kala-azar in southwest Goias State. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(2/3):143-148, map. Apr./Sept. 1965. 448.8 R3283
English summary.
Includes dogs infected with *Leishmania donovani* and the presence of sandflies of the genus *Lutzomyia*.
- 22536 CONNER, R. M. Effects of valine, leucine, and isoleucine on fly toxin production by *Bacillus thuringiensis* Berliner and related varieties. Diss. Abstr., Sect. B, 27(4):1028B-1029B. Oct. 1966. Z5055.49D53
Toxin effective against *Musca domestica*.
- 22537 CORRADETTI, A., and others. Study of cutaneous leishmaniasis in Abruzzo; conditions in the experimental area 12 years after the quinquennial campaign against an insecticide of residual effectiveness. (It) Parassitologia 8(1):1-7, map. July 1966. 436.8 P212
A. Mantovani, A. J. Adames, and C. D. Bruna, joint authors.
English summary.
Includes control of *Phlebotomus perfiliewi* and *Ph. perniciosus* with DDT.
- 22538 CRISTESCO, A. Contributions to the study of the age group distribution in populations of the *Anopheles maculipennis* group, as related to the use of remanent insecticides in Roumania. (Fr) Arch. Roumaines Pathol. Exp. Microbiol. 25(2):491-502, map. Ref. June 1966. 448.3 Ar22
English summary.
- 22539 D'ASCOLI, A., and GOMEZ-NUÑEZ, J. C. Notes on the means of dispersion of *Rhodnius* prolixus. (Sp) Acta Cient. Venezolana 17(1): 22-25. Ref. 1966. 475 Ac83
English summary.
Vector of Chagas disease.
- 22540 DAUTERMAN, W. C., and MAIN, A. R. Relationship between acute toxicity and in vitro inhibition and hydrolysis of a series of carbalkoxy homologs of malathion. Toxicol. Appl. Pharmacol. 9(2):406-418. Ref. Sept. 1966. 391.8 T662
- 22541 DOBY, J. M., and RAULT, B. Accidental parasitism by the larvae of chrysoid insects (Neuroptera Planipennia). (Fr) Ann. Parasitol. Humaine Comp. 41(2):189-193. Mar./Apr. 1966. 436.8 An7
Includes livestock hosts.
- 22542 FALES, J. H., and BODENSTEIN, O. F. Evaluation of Neopynamin as an insecticide. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:148-159. 1966. 307.9 C42
Tests with resistant and susceptible house flies.
- 22543 FERGUSON, D. E., LUDKE, J. L., and MURPHY, G. G. Dynamics of endrin uptake and release by resistant and susceptible strains of mosquitofish. Amer. Fish. Soc. Trans. 95(4): 335-344. Ref. Oct. 1966. 414.9 Am3

- 22544 FREYVOGEL, T. A. Shape, movement in situ and locomotion of plasmodial ookinetes. *Acta Trop.* 23(3):201-222. Ref. 1966. 475 A68
Plasmodium gallinaceum in Aedes aegypti, P. matutinum in Culex pipiens and P. berghiei in Anopheles stephensi.
- 22545 GADZHIEV, A. T., ABUSHEV, F. A., and YU-DITSKAYA, S. I. Experimental infection of gamasid ticks with the causative agent of anthrax. 6 p. (JPRS 36,428; TT 66-32860) Transl. 16113
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Izvestiya. Seriya Biologicheskikh Nauk 6:53-57. 1965.
CFSTI: \$1.00.
- 22546 GRIGOLO, A., and OPPENOORTH, F. J. The importance of DDT-dehydrochlorinase for the effect of the resistance gene KDR in the housefly *Musca domestica* L. *Genetica* 37(2):159-170. Ref. 1966. 442.8 G282
- 22547 INSTITUT PASTEUR DE LA GUYANE FRANÇAISE ET DE L'ININI. Report on technical activities during 1964. Inst. Pasteur Guyane Franc. Inini. Publ. 494:1-68. Aug.1965. 448.9 In77
Includes insect vectors and veterinary medicine.
- 22548 IVANOV, I., and PETROV, D. On the finding of *Listeria monocytogenes* in *Oestrus ovis* larvae. (Bu) *Vet. Med. Nauk.* 3(6):641-643. 1966. 41.8 V6468
English summary.
- 22549 KELLEN, W. R., and others. Development of *Theohania californica* in two hybrid mosquitoes. *Exp. Parasitol.* 18(2):251-254. Apr.1966. 436.8 Ex7
T. B. Clark, J. E. Lindgren, and R. D. Sanders, joint authors.
Culex tarsalis x *Culex erythrorhax*, and *Culex tarsalis* x *Culex peus*.
- 22550 KOZUCH, O., GRULICH, I., and NOSEK, J. Serological survey and isolation of tick-borne encephalitis virus from the blood of the mole (*Talpa europaea*) in a natural focus. *Acta Virol.* 10(6):557-560. Nov.1966. 448.3 Ac85
Transmitted by *Ixodes ricinus*.
- 22551 KUCHERUK, V. V., ZEMSKAYA, A. A., and SUVOROVA, L. G. Tick control and speed of its restoration in the natural nidus of encephalitis. (Rus) *Moskov. Obsch. Ispytatelei Prirody, Byul. Otd. Biol.* 71(3):60-72. Ref. May/June 1966. 511 M85
English summary.
- 22552 KUSOV, V. N., SAVINOV, E. F., and MEL'CHAKOVA, E. D. Asiatic wild sheep—hosts of ticks *Ornithodoros lahorensis* in Ust-Urt. (Rus) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol.* Nauk 4:47-49. July/Aug.1966. 442.8 A16
- 22553 KUZNETSOVA, G. M., IKOVATAYA, G. M., and ONUFRIEV, V. P. Study of the role of ixodic ticks as carrier of foot-and-mouth disease virus. (Rus) *Veterinariya* 6:29-30. June 1966. 41.8 V6426
Hyalomma plumbeum and *Rhipicephalus bursa*.
- 22554 LANCASTER, J. L. Mass culture of the lesser mealworm [*Alphitobius diaperinus*] for studies on transmission of avian leucosis. *Ark. Farm Res.* 15(5):7. Sept./Oct.1966. 100 Ar42F
- 22555 LIBIKOVA, H., and SOKOL, F. Evidence about the type of nucleic acid contained in Kemerovo virus and related viruses. *Acta Virol.* 10(6):551-553. Ref. Nov.1966. 448.3 Ac85
Isolated from *Ixodes persulcatus* and *I. ricinus*.
- 22556 LIBIKOVA, H. Viraemia in mice experimental-ly infected with Kemerovo virus and related European viruses. *Acta Virol.* 10(6):554-556. Nov.1966. 448.3 Ac85
From *Ixodes*.
- 22557 LINEVA, V. A. Pattern of the effect of chlorophos on ovogenesis of house flies (*Musca domestica* L.) during prolonged application under natural conditions. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(2):217-223. Mar./Apr. 1966. 448.8 M469
English summary.
- 22558 MARKS, E. N., and CRIBB, I. B. Notes on scrub ticks (*Ixodes holocyclus*) on native fauna in the Samford district. Queensland *Natur.* 18(1/2):16-18. June 1966. 410 Q3
Includes domestic animals.
- 22559 MCCULLOCH, R. N., and RICHMOND, V. G. A "stirrer" for cattle dipping baths. *Agr. Gaz. New S. Wales* 77(5):310-312. May 1966. 23 N472
- 22560 MEETH, K., FRANKE, R., and THEUS, J. Pour-on method for test treatment of botfly [*Hypoderma bovis*] larvae. (Ge) *Monatsh. Veterinarmed.* 21(18):694-699. Ref. Sept.15, 1966. 41.8 M742
English summary.
With a compound related to trichlorfon.
- 22561 MILLER, C. W., ZUCKERMAN, B. M., and CHARIG, A. J. Water translocation of insect-non-C14 and parathion-S³⁵ off a model cranberry bog and subsequent occurrence in fish and mussels. *Amer. Fish. Soc. Trans.* 95(4):345-349. Oct.1966. 414.9 Am3
- 22562 NELSON, W. A., and HIRONAKA, R. Effect of protein and vitamin A intake of sheep on numbers of the sheep ked, *Melophagus ovinus* (L.). *Exp. Parasitol.* 18(2):274-280. Ref. Apr.1966. 436.8 Ex7
- 22563 NELSON, W. A. Louse research and control in western Canada. *Can. Dep. Agr. Res. Br. Entomol. Newslett.* 44(11):1-3. Nov.1,1966. 423.92 C16
Cattle pests.
- 22564 NETTLES, W. C., and KISSAM, J. B. Insecticides use chart for milk producers; prevent insecticide residues in your milk supply. *Clemson Univ. Ext. Inform. Card* 103,rev. chart July 1966. 275.29 50B1
University of Georgia, College of Agriculture, Cooperative Extension Service, cooperating.
- 22565 NUSSENZWEIG, V., and GOBLE, F. C. Further studies on the antigenic constitution of strains of *Trypanosoma* (*Schizotrypanum*) *cruzi*. *Exp. Parasitol.* 18(2):224-230. Ref. Apr. 1966. 436.8 Ex7
Includes strains isolated probably from *Triatoma rubida*.
- 22566 OONNITHAN, E. S. Metabolism of methylcarbamate insecticide chemicals by rat liver enzyme systems. *Diss. Abstr.*, Sect. B, 27(3):652B. Sept.1966. Z5055.U49D53
- 22567 PARNSONSON, G. S. Artificial islands in Melanesia; the role of malaria in the settlement of the Southwest Pacific. *New Zeal. Geogr.* 22(1):1-21, map. Ref. Apr.1966. 331.8 N48
Includes the bionomics of the *Anopheles farauti*.
- 22568 PATYK, S. The significance of 2% solution of the phosphoric acid insecticide Z-50 in preventing hypodermatosis in cattle (Pol) *Med. Weter.* 22(6):330-331. June 1966. 41.8 M463
- 22569 PAULINI, E. Field tests with the larvicide Tosit. (Port) *Rev. Brasil. Malariol. Doencas Trop.* 17(2/3):211-215. Apr./Sept.1965. 448.8 R3263
English summary.
Against *Culex fatigans* and *Anopheles*.
- 22570 PETROV, D. On the biology of *Hypoderma bovis*. (Bu) *Vet. Med. Nauk.* 3(5):499-505. Ref. 1966. 41.8 V6468
English summary.
Experiments with calves.
- 22571 PROFFITT, M. A. Some factors affecting the toxicity of aldrin to fishes. *Ind. Acad. Sci. Proc.* 75:325-329. 1965, pub. 1966. 500 In2
- 22572 RAMADE, F. Ultrastructural changes in the brain of *Musca domestica* L. after intoxication with lindane. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):371-373. July 25,1966. 505 P21
- 22573 RAO, M. R. Phenology and faunistics of bloodsucking Diptera and arbovirus isolations in Wisconsin with emphasis on the Simuliidae (including a comparative study of larval simuliid cephalic fans). *Diss. Abstr.*, Sect. B, 27(4):1005B. Oct.1966. Z5055.U49D53
- 22574 RICH, G. B. Cattle grub (*Hypoderma* spp.) studies in British Columbia. *Can. Dep. Agr. Res. Br. Entomol. Newslett.* 44(4):2-3. Apr.1, 1966. 423.92 C16

- 22575 RICH, G. B. Pour-on systemic insecticides for the protection of calves from *Linognathus vituli*. *Can. J. Anim. Sci.* 46(2):125-131. Aug. 1966. 41.8 C163
- 22576 ROBERTS, R. Mulesing contractors join the war on the blowfly. *S. Australia J. Agr.* 70(1): 14-17, map. Aug. 1966. 23 S64
- 22577 ROSELLE, B. Controlling horse bots and cattle lice. *Nebr. Cattleman* 23(2):36, 38. Oct. 1966. 43.8 N27
Gasterophilidae and lice; chemical control.
- 22578 ROULSTON, W. J., SCHUNTNER, C. A., and SCHULTZLING, H. J. Metabolism of coumaphos in larvae of the cattle tick *Boophilus microplus*. *Australian J. Biol. Sci.* 19(4):619-633. Ref. Aug. 1966. 442.8 A472
- 22579 SACCÀ, G., GABRIELLI, L., and STELLA, E. Notes on the *Oestrus ovis* L. (Diptera, Oestridae) and description of some cases of myiasis of man. (It) *Ist. Super. Sanit. Ann.* 1(1/6):73-94. Ref. 1965. R65.18
English summary.
- 22580 SANFORD, M. R. We used perches to control birds in Columbia, Mo. *Pest Contr.* 34(11):21-22, 44. Nov. 1966. 449.8 Ex8
With endrin.
- 22581 SCHAECHTER, A., and OARDA, M. Intoxication by organic phosphorous compounds. 13 p. Ref. (*JPRS* 35,718; TT 66-32153)
Transl. 15945
Man.
Translation from *Medicina Interna* 18(3):283-291. Mar. 1966.
CFSTI: \$1.00.
- 22582 SCHMIDT, S. Evolutional phases of malaria eradication in the Amazon region, first studies accomplished in the field on resistance of *Plasmodium falciparum* to chloroquine. (Pop) *Rev. Brasil. Malariol. Doencas Trop.* 17(2/3):179-209. Ref. Apr./Sept. 1965. 448.8 R3283
English summary.
Includes residual spraying against mosquitoes in urban areas with DDT.
- 22583 SHANAHAN, G. J. Organophosphorus tolerance in sheep blowflies. *Agr. Gaz. New S. Wales* 77(8):489-495. Aug. 1966. 23 N472
Lucilia cuprina.
- 22584 TALANOV, A. G. Results of the use of trichlorometaphos-3 to control hypodermatosis in cattle in Tyumenskaya oblast. U. S. Joint Publ. Res. Serv. [Transl.] *Use Chem. Agr. USSR* Nov. 5, 1964:27-33. (*JPRS* 27,230; TT 64-51485) 173 J663Uc
Hypoderma bovis.
Translation from *Khimiya v Sel'skom Khozyaystve* 8:41-44. Aug. 1964.
Issued by CFSTI.
- 22585 TOLEDO (OHIO) AREA SANITARY DISTRICT. Nineteenth annual report, 1965. Toledo, Ohio, 1966. 7 p. 449.9 T572
Includes *Aedes* and *Culex* and their control with Baytex.
- 22586 TREEBY, P. J. Control of an outbreak of gamma-BHC-resistant sheep body lice in the north of England with the phosphoric ester carbo-phenothon. *Vet. Rec.* 79(12):326-328. Sept. 17, 1966. 41.8 V641
Dipylidium i. e. Damalinia ovis.
- 22587 TREEBY, P. J. A strain of *Damalinia ovis* (sheep body lice) resistant to the gamma isomer of benzene hexachloride. *Vet. Rec.* 79(5): 129-132. July 30, 1966. 41.8 V641
- 22588 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Chiggers; how to fight them. U. S. D. A. Leaflet 403, slightly rev., 16 p.-folder. 1966. 1 A84L
Chemical control of *Eutrombicula batatas* and *E. alfreddugesi*.
- 22589 VEGA FRANCO, L., and LIA JAIME, M. Epidemiologic considerations of scorpion stings in the city of Durango. (Sp) *Rev. Invest. Salud Publica* 26(4):7-21. Jan./Mar. 1966. 449.9 M572
English summary.
- 22590 WATSON, W. A., BROWN, P. R. M., and WOOD, J. C. The control of staphylococcal infection (tick pyaemia) in lambs by dipping. *Vet. Rec.* 79(4):101-103. July 23, 1966. 41.8 V641
With 2-chloro-1-(2,4-dichlorophenyl) vinyl diethyl phosphate.
- 22591 WILKINSON, F. C. Did this cause this? West. Australia. *Dep. Agr. J.* (ser. 4)(7):300-301. July 1966. 23 W63J
Skin lesions in swine caused by sarcoptic mange mites.
- 22592 YAGUZHINSKAYA, L. V., and GABRIYANIK, I. A. Mechanism of resistance to DDT in insects. Changes of tissue respiration in house flies (*Musca domestica*) in the process of increasing resistance to DDT. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(2):212-216. Ref. Mar./Apr. 1966. 448.8 M469
English summary.
- 22593 YAO CHI YEN CHIU SO. T'ai-wan yao chi ken ch'u kai k'uang [An outline of the malaria eradication project in Taiwan]. Chao-Chow, 1965. 20 p. RA644.M2Y3
Text in Chinese and English.
Includes Anopheles control.
- 22594 YEOMAN, G. H. Field vector studies of epizootic East Coast fever. II. Seasonal studies of *Rhipicephalus appendiculatus* on bovine and non-bovine hosts in East Coast fever enzootic, epizootic and free areas. *Bull. Epizoot. Dis. Afr.* 14(2):113-140, map. Ref. June 1966. 41.8 B872
Domestic animals and wildlife.
- 22595 YOUNG, E., and KRUGER, S. P. Fatal infestation of the bald ibis, *Geronticus calvus*, with *Tropisurus americanus*. *S. Afr. Vet. Med. Ass. J.* 37(2):240. June 1966. 41.8 S68
Orthoptera as possible intermediate hosts of this roundworm, sometimes recorded from poultry.
- 22596 ZARZUELO, E. Arthropod vectors of disease. (Sp) *Veterinaria [Madrid]* 30(10):603-608. Oct. 1965. 41.8 V6429
Includes list of diseases which they transmit.
- 22597 ZUMPT, F. *Chrysomya bezziana* Villeneuve, infestation in a bushbuck. *S. Afr. Vet. Med. Ass. J.* 37(1):91-92. Mar. 1966. 41.8 S68

Pests of Plants

- 22598 DEKLE, G. W. Florida armored scale insects. Gainesville, 1965. 265 p., map. Ref. (Florida Department of Agriculture, Arthropods of Florida and Neighboring Land Areas, V.3) 410.9 F6632
Includes Control of armored scale insects by J. E. Brogdon.
Includes Index to hosts, chiefly fruit and ornamentals.
- 22599 HELY, P. C. The [New South Wales, Dept. of Agriculture] Entomology Branch. *Agr. Gaz. New S. Wales* 77(5):263-270. May 1966. 23 N472
Research in chemical control of insect pests of plants.
- 22600 HERES, W. A contribution to the explanation of occasional failures in the practical application of *Bacillus thuringiensis* preparations. (Ge) *Nachrichtbl. Deut. Pflanzenschutzdienstes* 18(2):25-29. Ref. Feb. 1966. 442.9 B832
English summary.
In plant pest control.
- 22601 MACELJSKI, M. Integrated plant protection. (Se) *Biljna Zastita* 10(2/3):25-30. Feb./Mar. 1966. 464.8 B49
Chiefly insect control.
- 22602 MACKINNON, J. P., and LAWSON, F. L. Transmission of vein blotch virus of *Physalis floridana* by aphids. *Can. J. Bot.* 44(9):1219-1221. Sept. 1966. 470 C16C
By *Myzus persicae*.
- 22603 RUKAVISHNIKOV, B. I. Combination of chemical and biological control of pests. U. S. Joint Publ. Res. Serv. [Transl.] *Use Chem. Agr. USSR* Nov. 5, 1964:58-76. Ref. (*JPRS* 27,230; TT 64-51485) 173 J663Uc
Insect pests of plants.
Translation from *Khimiya v Sel'skom Khozyaystve* 8:57-68. Aug. 1964.
Issued by CFSTI.
- 22604 SMOKVINA, Z. Some aerosols for the use in spring. (Se) *Biljna Zastita* 10(2/3):63-65. Feb./Mar. 1966. 464.8 B49
In the plant pest control.

- U. S. AGRICULTURAL RESEARCH SERV.
22605 PLANT PEST CONTROL DIV. Rangeland
grasshopper infestations; acreage by regions,
fall, 1965. Washington, 1965. 2 p., map.
QL507.1.U5
- Forest Pests
- ARRU, G. M. *Pygaera anastomosis* L. (Lep.)
22606 defoliator of poplar. (It) Cell. Carta 17(10):
27-32. Oct. 1966. 302.9 En8
English summary.
Biology and control with BHC and lead arse-
nate.
- AUSTARA, O'. Virus control of the European
22607 pine sawfly [Neodipron sertifer]. (No) Norsk
Skogbruk 11(20):654-656. Oct. 1965.
99.8 N815
Polyhedroses.
- BJORNSRUD, B. Tree hole nesting birds and
22608 the forest. (No) Norsk Natur 1(2):58-62.
Apr. 1965. S900.N6
Birds in the biological control of insect pests.
- BLETCHLY, J. D. The influence of drying
22609 schedules on the development of the house
longhorn beetle in Scots pine sawwood. Wood
[London] 31(10):49-52. Ref. Oct. 1966.
99.82 W855
Hylotrupes bajulus.
- BLUNDEN, G., CHALLEN, S. B., and JAKUES,
22610 B. Accumulation of anthoxanthins and imino-
acids in leaf galls of *Salix fragilis* L. Nature
[London] 212(5061):514-516. Ref. Oct. 29,
1966. 472 N21
Caused by *Pontania proxima*.
- BRIZZI, G. Notes on the etiology of *Melanophila*
22611 *picta decastigma* Fabr. (Coleoptera Bup-
restidae) injuring young poplars. (It) Redia
49:229-238. 1965. 421 R241
English summary.
- BUCHANAN, W. D., DELIUS, J. C., and MIXON,
22612 J. Trees don't leak sap. Forest Farmer 25
(12):12. Aug. 1966. 99.8 F7692
Fluid produced by three major group of suck-
ing insects; scale insects, aphids and leafhop-
pers.
- BURZYNSKI, J. Observations on the occur-
22613 rence of insect pests in fertilized young planta-
tions on dunes. (Pol) Sylwan 110(8):43-51.
Ref. Aug. 1966. 99.8 Sy52
English summary.
Effects of fertilizers on *Rhyacionia buoliana*,
Exoteleia dodecella and *Thecodiplosis brachyn-*
tera populations in pine stands.
- BYZOVA, Y. B. Effect of chemical treatment
22614 from airplanes on the soil invertebrate fauna
in coniferous forests. U. S. Joint Publ. Res.
Serv. Transl. Zool. Zh. (Zool. J.) USSR 4:11-
35. Ref. July 10, 1964. (JPRS 25,428;
TT 64-31701) 173 J663Tz
Soil insects treated with DDT and HCHC.
Translation from Zoologicheskii Zhurnal 43
(4):488-502. Apr. 1964.
CFSTI 1.75.
- DE MONTMORENCY, W. H. The effect of
22615 woolly-aphid infestation on the pulping charac-
teristics of balsam fir. Pulp Pap. Mag. Can.
67(9):T399-T406. Ref. Sept. 1966. 302.8 P96
Chermes piceae.
- DOMINK, J., and WAZY, J. Examination of
22616 the insecticidal properties of some salt prepa-
rations for impregnation of wood. (Pol)
Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnic-
two 8:109-114. 1966. 99.9 W262
English summary.
Tested on *Hylotrupes bajulus*.
- DOMINK, J. Observations on species of in-
22617 sects destroying timber recently found in Po-
land. (Pol) Sylwan 110(7):33-36. July 1966.
99.8 Sy52
English summary.
Anobium thomsoni, *Oligomerus ptilinoides*
and *Xestobium declive*.
- DOMINK, J. Preliminary results of studies on
22618 the biology and control of the larch weevil
(*Hyllobius piceus* Deg., Curculionidae, Col.).
(Pol) Sylwan 110(8):1-10. Aug. 1966. 99.8 Sy52
English summary.
- DONAUBAUER, E., JAHN, E., and SCHMUT-
22619 ZENHOFFER, H. The occurrence of some forest
pests in Salzburg. (Ge) Allg. Forstzeitung
77(9):196-198. Ref. Sept. 1966. 99.8 AL53
Includes control.
- DZIEDZIC, L., and RATAJCZAK, Z. Possi-
22620 bilities of controlling wood damaging insects by
means of high-frequency electric field. (Pol)
Przem. Drzewny 16(11):429-431. Nov. 1965.
99.82 P95
- ECOHL, H. W. Louisiana's new "ghost
22621 towns." Forests People 16(4):28-29. Fourth
Q. 1966. 99.8 F7628
Mirex control of *Attia texana*, pest of trees
and field crops.
- GADZIKOWSKI, R. Occurrence of secondary
22622 pine pests as a consequence of the winter of
1929/1930 in the Świętokrzyskie Góry region.
(Pol) Las Polski 40(20):17. Oct. 16/31, 1966.
99.8 L33
Insect pests.
- THE GOLDEN buprestid (*Buprestis aurulenta*);
22623 a new borer attacking Oregon (Douglas fir)
timber. New Zeal. Forest Serv. Inform. Ser.
48.4 p. 1965. 99.9 N491
- THE HELICOPTER—a forest insect fighter.
22624 Pulpwood Prod. Saw Mill Logging 14(4):32,
34. Apr. 1966. 99.81 P96
Western States.
- HERBERG, M. Bird protection in control of
22625 injurious insects and its results. (Ge) Anz.
Schadlingskunde 38(9):137-142. Sept. 1965.
421 An9
Forest pests.
- JENKINS, C. F. H. Termites or "white ants."
22626 West. Australia. Dep. Agr. J. (ser. 4) 7(6):251-
252, 255-257. June 1966. 23 W52J
Includes control.
- KEEN, F. P. The western pine beetle [*Den-*
22627 *droctonus brevicornis*]. U. S. Forest Serv.
Forest Pest Leaf. 1, rev., 4 p., map. May 1966.
A423.9 F764
Pest of ponderosa and Coulter pines in the
West; includes control.
- LUNDBERG, S. Part of Halltorps garden pres-
22628 served as a nature reservation. (Sv) Entomol.
Tidskr. 86(1/2):21-23. 1965. 421 En891
Includes *Cermalex cerdo* as tree pest.
- MATHRE, D. E. Studies on the pathogenicity to
22629 ponderosa pine of *Ceratocystis* spp. associated
with bark beetles in California. Diss. Abstr.,
Sect. B, 27(2):349B. Aug. 1966. Z5055.U49D53
- MESSNER, K. H. Improvement in the signali-
22630 zation of flight direction of aircraft engaged in
the control of forest pests. (Ge) Nachrichten-
tbl. Deut. Pflanzenschutzdienst (n.s.) 19(4):
105-109. Ref. 1965. 464.9 N11
English summary.
- MINYAILLO, A. K. Destruction of *Saperda po-*
22631 *pulea* larvae by woodpeckers. (Rus) Les. Zh.
2:48-50. 1965. 99.8 Iz8
In poplar stands.
- ROMANYK, N., and BACHILLER, P. Excel-
22632 lent results of the campaign against the Pis-
sodes validirostris Gyll., pest of *Pinus pinea*
L. stands. (Sp) Montes 22(127):59-65.
Jan./Feb. 1966. 99.8 M763
Includes tests with insecticides, biology and
ethology.
- SANDERS, J. C. Natural regulation of the aphid
22633 *Pterocomma populifoliae* on bigtooth aspen
[*Populus grandidentata*] suckers in northern
Michigan. Diss. Abstr., Sect. B, 27(2):346B.
Aug. 1966. Z5055.U49D53
- SCHMIDT, E. Defoliation caused by *Lymantria*
22634 *dispar* L. (Lep., *Lymantriidae*). (Ge) Entomol.
Z. 76(4):40-42. Feb. 15, 1966. 421 En85
On trees and shrubs in Yugoslavia.
- SCHWENKE, W. *Calosoma sycophanta* L.
22635 (Coleoptera, Carabidae) and *Nabis apterus* F.
(Hemiptera, Nabidae) as predators of pine
pests in Bavaria. (Ge) Anz. Schadlingskunde
39(5):65-67. Ref. May 1966. 421 An9
English summary.
Lymantria monacha, *Bupalus piniarius* and
Diprion.

- 22636 SCHWERDTFEGER, F., and EHRHARDT, W. The suitability of chemosterilants in forest pest control; preliminary report on the first experiment with the bark beetle, *Ips typographus* L. (Ge) Forst- Holzwirt 21(15):343-344. Aug. 8, 1966. 99.8 F7724
- 22637 SEEK forest operators aid to check spread of balsam pest. Can. Forest Indus. 36(10):42-44. Oct. 1966. 99.81 C16
An outline of symptoms that indicate the presence of balsam woolly aphid *Chermes piceae*.
- 22639 SIERPINSKI, Z. Economic significance of *Exoteleia dodecella* L. in industrialized areas. (Pol) Sylwan 110(7):23-31. July 1966. 99.8 Sy52
English summary.
Pine pest; includes susceptibility to air pollution.
- 22639 STRUBLE, G. R. California five-spined ips [*Ips confusus*]. U. S. Forest Serv. Forest Pest. Leaflet 102, 4 p., map. Aug. 1966. A423.9 F764
Includes control of this pest of *Pinus*.
- 22640 U. S. FOREST SERV. Forest insect conditions in the United States, 1965. Washington, 1966. 47 p. A423.9 F763
Insects as pests.
- 22641 VAN PUTTEN, G. Evaluation of Bidrin. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.: 87-92. 1966. 99.9 M586
Bark beetle control in Dutch elm disease transmission.
- 22642 WIERSMA, N. Injuries of spruce cones and its importance for spruce seed supply in Norrland. (Sw) Norrbottens Lantmannabl. 2:19-22. map. Mar. 1966. 11 N792
Chiefly insect injuries.
- 22643 ZAJAC, S. Control of spruce bark beetles in the Cracow forest areas in 1945-1965. (Pol) Las Polski 40(22):11-12. Nov. 16/30, 1966. 99.8 L33
Various control methods.
- 22644 ZEDNIK, F. Injuries by Thaumetopoea pityocampa Schiff. in the Mediterranean areas. (Ge) Anz. Schädlingkunde 39(5):73-74. May 1966. 421 An9
To *Pinus brutia* and *Pinus halepensis*; includes control.
- Pests of Field and Truck Crops
- 22645 ALLEMANN, D. V. Population studies of the European corn borer [*Ostrinia nubilalis*] in Carroll County, Missouri. Diss. Abstr., Sect. B, 27(4):1319B-1320B. Oct. 1966. Z5055.U49D53
- 22646 AVASTHY, P. N. *Mylocerus dentifer* F. attacking sugarcane. Indian Sugar [Calcutta] 16(3):263-264. June 1966. 65.8 In26
First record.
- 22647 BODOR, J. Insects affecting asparagus in Hungary. (Hu) Rovartani Közlemenyek (n.s.) 18(18/39):429-443. Ref. 1965. 420 S012
Platyptera poeciloptera, *Melanogromyza simplex*, and *Phorbia platura*.
- 22649 BODOR, J. Species of *Crioceris* Fourcr. as pests of asparagus in Hungary (Coleoptera). (Hu) Rovartani Közlemenyek (n.s.) 19(1/19):249-261. 1966. 420 S012
- 22649 BOHM, O. Further observations and instances on judging aphids as direct pest. (Ge) Pflanzenschutz 18(11):120-121. Nov. 1, 1965. 464.9 P482
Of field crops.
- 22650 BOURKE, T. V. Experiment on the control of *Oncopeltus albobuttata* Tindale. Australian Inst. Agr. Sci. J. 32(2):137-138. June 1966. 23 Au74
Chemical control in pastures.
- 22651 BUTTON, J. A. Early spraying essential for webworm control. West. Australia. Dep. Agr. J. (ser. 4) 7(5):196-198. May 1966. 23 W52J
Control of *Sclerobia tritralis*, on wheat, with DDT.
- 22652 BUTTON, J. A. Organo-phosphorus insecticides for control of red-legged earth mite and lucerne flea. West. Australia. Dep. Agr. J. (ser. 4) 7(6):247-248. June 1966. 23 W52J
Halotydeus destructor and *Sminthurus viridis*, pests of pastures.
- 22653 CALCAGNOLO, G., and TELLA, R. DE. Experimental results on the control of *Cyrtomus mirabilis* Perty, 1834, pest of peanut roots. (Por) Biologico 31(2):21-30. Feb. 1965. 442.8 B529
With aldrin and heptachlor.
- 22654 CAMPRAG, D. Progress in the introduction of forecasting system in the Yugoslav sugar beet production made during 1961-1965. (Se) Biljna Zastita 10(2/3):50-52. Feb./Mar. 1966. 464.8 B49
Insect pest control.
- 22655 CARLSON, E. C. Studies of damage to safflower by thrips [*Frankliniella occidentalis*] and *Lygus hesperus* bugs. Calif. Agr. 20(9):2-4. Sept. 1966. 100 C12Cag
- 22656 CAVALCANTE, R. D., SORDI, G. DE, and ALMEIDA, P. R. Control of bean pest *Diabrotica speciosa* with modern insecticides. (Por) Biologico 32(6):127-130. Ref. June 1966. 442.8 B529
- 22657 CHAMP, B. R., and SHEPHERD, C. H. Insecticide resistance in *Phthorimaea operculella* (Zell.); comparative responses to DDT, DDD, endrin, dieldrin, isobenzan, lindane and azinphos-ethyl. Queensland J. Agr. Anim. Sci. 22(4):511-513. Dec. 1965. 23 Q37
- 22658 CHAMP, B. R., and SHEPHERD, C. H. Insecticide resistance in *Phthorimaea operculella* (Zell.); larval responses to endrin and azinphos-ethyl. Queensland J. Agr. Anim. Sci. 22(4):461-467. Dec. 1965. 23 Q37
- 22659 CHAMP, B. R., and SHEPHERD, C. H. A possible basis of inheritance of DDT resistance in *Phthorimaea operculella* (Zell.). Queensland J. Agr. Anim. Sci. 22(4):515-517. Dec. 1965. 23 Q37
- 22660 CREIGHTON, C. S., and REID, W. J. Field evaluation of chemical compounds for control of cabbage caterpillars. U. S. Agr. Res. Serv. ARS-33-114, 8 p. July 1966. A420 R31
South Carolina Agricultural Experiment Station, cooperating.
Trichoplusia ni, *Pieris rapae*, and *Spodoptera frugiperda*.
- 22661 DALLAI, R. *Aspilotes ochrearia* Rossi, a lepidopteran harmful to forage legumes. (It) Redia 49:71-80. Ref. 1965. 421 R241
English summary.
Hedysarum coronarium and *Onobrychis sativa*.
- 22662 DAVID, H., and KALRA, A. N. The observations on *Holotrichia* (*Lachnoeterna*) serrata F., a beetle pest of sugarcane in Hospet area of Mysore State. Indian Sugar [Calcutta] 16(2):195-198. Ref. May 1966. 65.8 In26
- 22663 DOMINICK, C. B. Tests with insecticides for control of the green peach aphid [*Myzus persicae*] on flue-cured tobacco. Tobacco [New York] 163(20):31-34. Nov. 11, 1966. 286.89 T552
- 22664 DOROUGH, H. W., RANDOLPH, N. M., and WIMBISH, G. H. Residual nature of certain organophosphorus insecticides in grain sorghum and Coastal bermudagrass. Bull. Environ. Contamination Toxicol. 1(2):46-58. Mar./Apr. 1966. RA1270.P35A1
Used to control *Tetranychus telarius* and *Spodoptera frugiperda*.
- 22665 DUNN, J. A., and KIRKLEY, J. Studies on the aphid, *Cavariella aegopodii* Scop. II. On secondary hosts other than carrot. Ann. Appl. Biol. 58(2):213-217. Oct. 1966. 442.8 An72
Vegetables.
- 22666 EISENTRAUT, A. Injuries to Crambe by the beetles *Meligethes*. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst 19(6):177-178. 1965. 464.9 N11
Injuries to *Crambe abyssinica* by *Meligethes aeneus*.

- 22667 EVANS, D. A. Studies on the migratory behavior of the corn leaf aphid, *Rhopalosiphum maidis* (Fitch). Diss. Abstr., Sect. B, 27(4): 1325B-1326B. Oct. 1966. Z5055.U49D53
- 22668 FINLAYSON, D. G., and NOBLE, M. D. Cyclo-diene-resistant cabbage maggots [Hylemya brassicae] and rutabaga production in sandy loam and peat soils. Can. J. Plant Sci. 46(5): 459-467. Sept. 1966. 450 C16
- 22669 FOX, C. J. S., and JAKUES, R. P. Preliminary observations on biological insecticides against imported cabbageworm [Pieris rapae]. Can. J. Plant Sci. 46(5):497-499. Sept. 1966. 450 C16
Evaluation study.
- 22670 GEIGENMULLER, M. Observation on an outbreak of the mining fly *Agromyza megalopsis* Hering on barley. (Ge) Anz. Schadlingskunde 39(4):57-60. Apr. 1966. 421 An9
English summary.
- 22671 GELLATLEY, J. G. The bean fly, *Melanagromyza phaseoli*. Agr. Gaz. New S. Wales 77(7): 425-427. July 1966. 23 M472
Control with DDT or dimethoate.
- 22672 GOULD, G. E. Chinch bug control with new insecticides. Ind. Acad. Sci. Proc. 75:130-136, map. Ref. 1965, pub. 1966. 500 In2
Blissus leucopterus.
- 22673 GRANADOS, R. R., and others. Transmission of corn stunt virus by a new leafhopper vector, *Graminella nigrifrons* (Forbes). Boyce Thompson Inst. Contrib. 23(7):275-280. Ref. July/Sept. 1966. 451 B69
-K. Maramorosch, T. Everett, and T. P. Pi-rone, joint authors.
- 22674 GUPTA, K. M., SINGH, B., and SAGAR, G. Losses caused by root borer (*Emmaloecera depressella* Swinh.) to sugarcane in Uttar Pradesh. Indian Sugar [Calcutta] 16(3):273-279. June 1966. 65.8 In26
Tables give yield losses (weight and size).
- 22675 HOFMASTER, R. N., and WATERFIELD, R. L. The Colorado potato beetle [Leptinotarsa decemlineata] problem in Virginia and the present status of control measures. Del. Board Agr. Bull. 55(5):20-26. 1965. 2 D37B
- 22676 HORIGUCHI, H. Studies on the control of the rice stem borer by the application method of pouring insecticides onto water in paddy rice field. 97 p. Ref. Transl. 16195
BRC to control Chilo suppressalis.
Translation from Tohoku National Agricultural Experiment Station. Bulletin 32:109-144. Mar. 1965.
- 22677 HULSHOFF, A. J. A., and DLKSTRA, D. L. J. Voorkomen en bestrijding van de tarwestengelgalg in 1964 (serie 131) [Occurrence and control of the wheat stem gall midge in 1964 (series 131)]. Wageningen. Proefsta. Akker-Weidebouw. Gestencilde Verslagen Interprov. Proeven 105, 23 p. 1965. 105.2 W123G
Haplodiplosis equestris.
- 22678 HUSSEIN, E. M. K. The effects of chemosterilants on *Lyrus hesperus* Knight. Diss. Abstr., Sect. B, 27(3):997B-998B. Sept. 1966. Z5055.U49D53
- 22679 INSECT pests of cotton. New S. Wales. Dep. Agr. Insect Pest Leaflet. 147, 10 p. 1966. 423.92 N47
Includes control with insecticides.
- 22680 ISART, J. A species of *Lixus* injurious to beets, *Lixus scabricollis* Boh. (Coleoptera, Curculionidae). (Sp) Spain. Inst. Biol. Apl. Publ. 38:17-45, map. Ref. June 1965. 442.9 Sp13
English summary.
- 22681 JAYARAJ, S. Organic acid contents in castor bean varieties in relation to their preference by the leafhopper, *Empoasca flavescens* (F.). Naturwissenschaften 53(19):511. Oct. 1, 1966. 474 N213
- 22682 JEGINA, K. Influence of temperature and soil moisture on effectiveness of presowing treatment of seeds for control of click beetle larvae. (Rus) Latv. PSR Zinat. Akad. Vestis 11:77-79. 1965. 511 R442
English summary.
Corn seeds treated with hexachlorane.
- 22683 JEGINA, K. Results of application of granulated superphosphate with 2% of hexachlorane gamma-isomer for control of wire-worms. (Rus) Latv. PSR Zinat. Akad. Vestis 8:103-107. 1965. 511 R442
English summary.
Of corn.
- 22684 KOCK, A. F. Cotton pests; prevent damage by timely control. Farming S. Afr. 42(6):45, 47. Sept. 1966. 24 S842
Chemical control.
- 22685 KOCK, A. F. More about cotton; struggle against the pests. Farming S. Afr. 42(6):33, 43, 47. Sept. 1966. 24 S842
Chemical control.
- 22686 KOEHLER, C. S., and others. Alfalfa weevil [Hypera postica] control investigations, a progress report. Calif. Agr. 20(9):10-12. Sept. 1966. 100 C12Cag
D. L. West, L. E. Allen, and R. L. Campbell, joint authors.
Chemical control.
- 22687 KOK, L. T., and VARGHESE, G. Assesment of rice stem borer infestation; a case study in North Malaya. Trop. Agr. [St. Augustine] 43 (4):331-334. Oct. 1966. 26 T754
Chilo traxa polychrysa, Tryporyza incertulas, and Sesamia inferens.
- 22688 MA, S. C. Eradicating the stage characteristics of the Acrididae. (Ch) U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 310:14-24. Apr. 25, 1966. (JPRS 35,161; TT 66-31598) 173 J663Teco
Locusta migratoria migratorius.
Translation from K'o Hsueh T'ung Pao 12: 1072-1077. Dec. 1965.
Issued by CESTI.
- 22689 MANNINGER, G. A., and ERDELYI, CS. Simplified control for better pollination of lucerne. (Hu) Magyar Mezőgazdaság 21(41):14-15. Oct. 12, 1966. 19 M27
Special plots for trapping insect pests.
- 22690 MARTINOVICH, V. Damage made by *Athalia rosae* L. in radish seeds. (Hu) Rovartani Közlemények (n.s.) 19(1/19):296-297. 1966. 420 Sol2
- 22691 MASAKI, J. Effects of organic phosphorus insecticides against second generation larvae of two-brooded rice-borers obtained when sprinkled over paddy water. 5 p. Transl. 15985
Translation from Kanto-Tosan Disease and Insect Damage Research Society. Annals. Vol. 12, 1965.
- 22692 NAULT, L. R. Relation of the feeding process of the pea aphid to the inoculation of pea enation mosaic virus. Diss. Abstr., Sect. B, 27 (3):1000B. Sept. 1966. Z5055.U49D53
- 22693 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Systemische insecticiden bij de bestrijding van bladluizen t.v.m. het tegengaan van de bladrolziekte in pootaardappelen en dat van de vergelingsziekte en zuigschade in bieten [Systemic insecticides for the control of aphids in connection with the control of potato leaf roll and yellows and sucking injuries of beets]. Neth. Plantenziektenkundige Dienst. Ber. 1669, 5 p. May 20, 1966. 464.9 N38
- 22694 POND, D. D., and DAVIES, H. T. Potato processing and dry matter as affected by Di-Syston. Amer. Potato J. 43(8):289-291. Aug. 1966. 75.8 P842
To control aphids.
- 22695 RECAMIER, CORRIOLS, and CESSAC. Observations on the chemical control of the grey wheat fly (*Phorbia coarctata*). (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10):689-694. June 1/8, 1966. 14 P215Be
- 22696 REEVES, B. G., and others. Design and evaluation of equipment for basal application of systemic insecticides to cotton plants. Amer. Soc. Agr. Eng. Pap. 106, 17 p. Ref. 1966. 290.9 Am32P
L. H. Wilkes, R. L. Ridgway, and D. A. Lindquist, joint authors.

Pests of Fruit and Nut Crops

- 22697 SAUPE, R., and ESTHER, H. Tests with the cold aerosol insecticides on field crops. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)19(5):127-135. Ref. 1965. 464.9 N11
English summary.
Chiefly DDT and benzene hexachloride.
- 22699 SCHMELZER, K. The watermelon mosaic virus appears also in Germany. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)19(3): 69-71. 1965. 464.9 N11
English summary.
Transmitted by aphids in East Germany.
- 22699 SCHMUTTERER, H., and EHRHARDT, P. On the study of host plant cycles of beet crinkle virus (Beta virus 3). (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz 73(5):271-283. May 1966. 464.8 Z3
English summary.
Transmitted by the beet leaf bug *Piesma quadrata*.
- 22700 SCHREIER, O. Aphids on broccoli. (Ge) Pflanzenschutz 18(11):118-119. Nov.1,1965. 464.9 P482
Brevicoryne brassicae; includes control.
- 22701 SCHUSTER, M. F. Population regulation of Rhodes-grass scale (*Antonina graminis*) by the introduced parasite, *Neodusmetia sangwani* (Rao). Tex. Agr. Exp. Sta. Progr. Rep. 2429, 8 p. July 20,1966. 100 T31P
Pest of many species of grasses.
- 22702 SHANDS, W. A., and LANDIS, B. J. Potato insects and how to control them. I. Aphids, World Farming 8(11):26-27,30,32,36,38,42. Nov.1966. 30.08 W89
- 22703 SHIBAMOTO, S., KUREHA, K., and YAMAGISHI, Y. Effects of systemic insecticides on rice stem borers. 4 p. Transl. 16146
Chilo suppressalis.
Translation from Kanto Tozan Plant Disease and Insect Pest Research Society 12. 1965.
- 22704 SHTEN-MARGOLIN, V. A., CHERNI, N. E., and RAZVYAZKINA, G. M. The virus of wheat streak mosaic in cells of the plant and of the carrier mite, (Rus) Akad. Nauk SSSR, Dokl. 169(6):1446-1448. Ref. 1966. 511 P444A
Aceria tulipae.
- 22705 SOLINAS, M. Study of Diptera Cecidomyiidae. I. Contarinia medicaginis Kieffer. (It) Bologna. Univ. Ist. Entomol. Boll. 27:249-300. Ref. 1964/65. 420 B63
Chiefly morphology, biology and control.
- 22706 TANASLJEVIC, N. Aphid fauna of grain in Yugoslavia. (Se) Agrohemija 12:685-690. 1965. 385 Ag87
English summary.
- 22707 TEXAS. AGRICULTURAL EXPERIMENT STATION. Bell Rhodesgrass, a scale-resistant Rhodesgrass. Tex. Agr. Exp. Sta. L-689, 3 p. June 1966. 275.29 T313
Resistance to *Neodusmetia sangwani*.
- 22709 THOMAS, E. D., and DITMAN, L. P. Insecticide and biological control of insects infesting broccoli. Del. Board Agr. Bull. 55(5):40-44. 1965. 2 D37B
- 22709 TURNER, J. W. Cutworms and armyworms in S.Q. cereal crops. Queensland Agr. J. 92 (9):556-560. Sept.1966. 23 Q33
Agrotis spp., *Pseudaletia convecta*, and *Spodoptera* spp.; includes control with DDT.
- 22710 UEKI, S., and others. Effect of chemical control by the muzzle jet against the 1st generation of rice stem borer. 6 p. Transl. 16153
S. Yokowatari, M. Yusasa, and M. Suzuki, joint authors.
Chilo suppressalis.
Translation from Hokuriku. Association of Plant Protection. Proceedings 12:57-58. Nov. 1964.
- 22711 VODJDANI, S. Les charançons radicicoles de la luzerne a Karadj-Iran [Root weevils of alfalfa at Karadj-Iran]. Tehran. Univ. Agr. Coll. Bull. 71,38 p. Ref.p.34-31. June 1965. 22.5 T232
French summary.
- 22712 WENE, C. P., and SHEETS, L. W. A summary report of pink bollworm [*Pectinophora gossypiella*] research in 1965. Ariz. Agr. Exp. Sta. Rep. 239,23 p. Sept.1966. 100 Ar4M
Chiefly emergence and host plant relations.
- 22713 ALI, A. M. A new era in the control of the Mediterranean fruit-fly. Soc. Entomol. Egypte. Bull. 48:155-157. 1964, pub.1965. 420 Eg9
Ceratitis capitata.
- 22714 ANDERSSON, S. Control of the woolly apple aphid, (Sw) Sved. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(1):15-16. 1966. 464.9 Sw3V
Eriosoma lanigerum.
- 22715 ARTSIKHOVSKAYA, E. V., and DENISOVA, T. V. Role of the oxidation-reduction potential in the resistance of grapes to Phylloxera. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved. 1:77-85. Ref. Jan./Feb.1966. 442.9 M854
- 22716 BALAZS, B. K. The leaf roller pests (Lep., Tortricidae) of the haitbois strawberry. (Hu) Rovantani Kozlemenyek (n.s.)19(1/19):215-248. 1966. 420 Sol2
English summary.
Includes chemical control.
- 22717 BATEMAN, M. A., FRIEND, A. H., and HAMP-SHIRE, F. Population suppression in the Queensland fruit fly, *Dacus (Strumeta) tryoni*. I-II. Australian J. Agr. Res. 17(5):687-718, map. Ref. Sept.1966. 23 Au783
I. The effects of male depletion in a semi-isolated population; II. Experiments on isolated populations in western New South Wales, Use of baited traps.
- 22718 BENGSTON, M. Control of woolly aphid (*Eriosoma lanigerum* (Hausm.)) in the Stanthorpe District, Queensland. Queensland J. Agr. Anim. Sci. 22(4):469-473. Dec.1965. 23 Q37
Chemical control in apple orchards.
- 22719 BERAN, F. Larvae of the cherry fruit fly [*Rhagoletis cerasi*] as a cause of soft fruit. (Ge) Pflanzenschutz 18(11):116-117. Nov.1, 1965. 464.9 P482
- 22720 BODOR, J. Now is the time to control Caliroa limacina Retz. (Hu) Kerteszeti Szolesz, 15 (18):14. Sept.1966. 80 K474
Chemical control on fruit.
- 22721 BODOR, J. Some autumn pests. (Hu) Kerteszeti Szolesz, 15(20):12-13. Oct.1966. 80 K474
Insect pests of fruit and vegetables.
- 22722 BOHM, H. Attention, heavy winter oviposition of the European red mite [*Panonychus ulmi*]. (Ge) Pflanzenschutz 18(11):114-115. Nov.1,1965. 464.9 P482
Fruit pest.
- 22723 DAS, G. M. Pests of tea in north-east India and their control. Tocklai Exp. Sta. Mem. 27, 115 p. Ref. 68.19 T562M
- 22724 DOUTT, R. L., NAKATA, J., and SKINNER, F. E. Dispersal of grape leafhopper parasites [*Anagrus epos*] from a blackberry [*Rubus*] refuge. Calif. Agr. 20(10):14-15. Oct.1966. 100 C12Cag
Parasites of *Erythroneura* and *Dikrella cruentata*.
- 22725 DOWNING, R. S. The effect of certain miticides on the predaceous mite *Nesoseiulus caudigians* (Acarina: Phytoseiidae). Can. J. Plant Sci. 46(5):521-524. Sept.1966. 450 C16
Predator of apple pests.
- 22726 FENILI, G. A., and PEGAZZANO, F. Observations completed in the years 1962-64 on the presence of *Opus concolor* Szepi, sciculus Monast., Hymenoptera Braconidae, parasite of *Dacus oleae* Gmel. in Tuscany. (It) Redia 49: 145-156, map. 1965. 421 R241
English summary.
Introduced on the Island of Elba in 1958 to control olive pest.
- 22727 FLETCHER, D. J. C. A biological, morphological and economic study of *Sciobius granosus* Fahraeus (Curculionidae). n.p., 1965. 413 p. 1965. QL596.C9F55
Bibliography, p.408-413.
Citrus pest in the Muden Valley of Natal, Republic of South Africa.

- 22728 GRAHAM, C., and KRESTENSEN, E. R. Control of orchard mites with dilute and concentrate sprays. Del. Board Agr. Bull. 55(5):75-82. 1965. 2 D37B
Apple pests.
- 22729 CRBIC, V., JOVANOVIĆ, M., and LAZIC, S. *Brevipalpus lewisii* McGregor as the cause of black petiole on grapes. (Se) *Agrohemija* 12: 691-694. 1965. 385 Ag87
- 22730 GUNKEL, W. W. Discussion of the engineering aspects of ASAE paper No. 66-102—ultra low-volume air and ground equipment for controlling insect pests of ground and tree fruits. Amer. Soc. Agr. Eng. Pap. 103,9 p. 1966. 290.9 Am32P
- 22731 HARRIS, E. D. Hickory shuckworm [*Laspeyresia caryana*]. Ga. Univ. Ext. Leaf. 30, rev., 6 p., folder. July 1966. 275.29 G29L
Control of this pest of pecans, with EPN or Guthion.
- 22732 HOWITT, A. J., CORBETT, P., and PSHEA, A. The development of ultra-low volume air and ground equipment for controlling insect pests of ground and tree fruits. Amer. Soc. Agr. Eng. Pap. 102,9 p. 1966. 290.9 Am32P
- 22733 KADY, M., MOHAMED, I. L., and KODIRAH, S. M. The control of the fig mite, *Aceria ficus* (Cotte), in Egypt (Acarina: Eriophyidae). Soc. Entomol. Egypte. Bull. 48:111-114. 1964, pub. 1965. 420 Eg9
- 22734 KADY, M. Control of winter eggs of *Panonychus ulmi* Koch on imported apple fruits. Soc. Entomol. Egypte. Bull. 48:1-3. 1964, pub. 1965. 420 Eg9
- 22735 KELSEY, L. P., and HEUBERGER, J. W. Performance of several early season mite control programs on apples. Del. Board Agr. Bull. 55 (5):70-74. 1965. 2 D37B
Chemical control.
- 22736 KOKOVIC, S. V. Aircraft in the control of *Porthetria dispar* on territory of Krusevac in 1965. (Se) *Agrohemija* 12:709-714. 1965. 385 Ag87
As pests of fruit and forest trees.
- 22737 LEHMANN, W. Leaf roller larvae in cherries. (Ge) *Obstbau* [Berlin] 6(6):91-92. Ref. June 1966. 80 Ob79
Laspeyresia pomonella and *Grapholitha funebrana* in East Germany.
- 22738 MULLER, E. W. Actual plant protection. (Ge) *Obstbau* [Berlin] 6(2):31-32. Feb. 1966. 80 Ob79
Organic phosphorus insecticides in fruit pest control in East Germany.
- 22739 MULLER, E. W. Actual plant protection. (Ge) *Obstbau* [Berlin] 6(6):93. June 1966. 80 Ob79
Chemical control of fruit mites in East Germany.
- 22740 NEVES, M. Inquiry on *Toxoptera citricidus* (Kirkaldy), vector of the serious citrus disease called "tristeza." (Por) *Agricultura* [Lisboa] 25:14-27, map. Jan./Mar. 1965. 15.5 Ag85
- 22741 NEWCOMER, E. J. Insect pests of deciduous fruits in the West. U. S. D. Agr. Handbook 306,57 p. Aug. 1966. 1 Ag84Ah
- 22742 PARISH, R. H., MATERU, M. E. A., and McKONE, C. E. An attempt to control coffee leaf miner *Leucoptera meyericki* (Lepidoptera, Lyonetidae) in coffee in Tanganyika with the systemic insecticide DiSyston. Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 483,8 p. Oct. 1964. 423.92 G7922
- 22743 PARISH, R. H., and MATERU, M. E. A. A small scale field trial attempting to control red spider mites on groundnuts with Aramite and Metasystox at Arusha in the dry season. Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 487,5 p. Dec. 1964. 423.92 G7922
- 22744 PROBLEMS of fruit pest control. (Ge) *Obstrundschau* 25(3), 4 p. Mar. 26, 1965. 80 Ob74
Text also in French.
- 22745 REICH, H. The most important problems we are facing in controlling fruit pests. (Ge) *Obstbauversuchsring Alten Landes*. Mitt. 21(3): 97-99. Mar. 1966. 85 J76
Chemical control of insects.
- 22746 SELIM, O. F. Preliminary tests with lebaycid (Bayer 29495 or S 1752) against the olive fruit fly *Dacus oleae* Gmel. (Diptera: Tryptetidae). Soc. Entomol. Egypte. Bull. 48:179-182. 1964, pub. 1965. 420 Eg9
O, O-dimethyl O-4-(methylmercapto) 3-methylphenyl thiophosphate and O, O-dimethyl O-(3-methyl, 4-methyl-mercaptophenyl) phosphorothioate.
- 22747 SNOWBALL, G. J. Status of introduced parasites of Queensland fruit fly (*Strumeta tryoni*), 1962-1965. Australian J. Agr. Res. 17(5):719-739, map. Ref. Sept. 1966. 23 Au783
Opisus oophilus and *O. longicaudatus*, as parasites.
- 22748 TURICA, A., and MALLO, R. G. Ensayo de attractivos para la "mosca del Mediterraneo" *Ceratitis capitata* (Wiedemann) (Dipt. Tryptetidae) [Trials with baits for the Mediterranean fruit fly, *Ceratitis capitata* (Wiedemann) (Dipt. Tryptetidae)]. Rev. Invest. Agropecuar. Ser. 5, Patol. Veg. 1(2):13-25. 1964. 464.8 R322
English summary.
Pest of citrus, chiefly.
- 22749 WILDE, G. E. The strawberry leaf roller complex on Long Island, New York. Diss. Abstr., Sect. B, 27(3):653B. Sept. 1966. Z5055.U49D53
Ancylis comptana fragariae.
- 22750 WOLFF, N. L. 1. *Anarsia lineatella* Zell. (Lepidoptera, Gelechiidae), a new Danish pest insect. 2. *Laspeyresia leguminana* Lien. and Zell. (Lepidoptera, Tortricidae) found in Denmark. (Da) Entomol. Medd. 34(1):43-53. Ref. 1965. 421 En82
English summary.
Ad 1: Cherry tree pest.

Pests of Ornamentals, Greenhouses, and Nurseries

- 22751 ALLEN, W. W., and SCARONI, R. H. Injury to greenhouse Easter lilies with systemic insecticides. Calif. Agr. 20(9):12-13. Sept. 1966. 100 C12Cg
Includes insect control on *Lilium longiflorum*.
- 22752 CAMPBELL, R. L. Cottony maple scale [*Pulvinaria innumnerabilis*]. Weeds Trees Turf 5 (10):14-15. Oct. 1966. 79.8 W413
Includes chemical control on ornamental plants.
- 22753 HERING, M. The dreadful black vine weevil as pest of grapes in greenhouses. (Ge) Weinberg Keller 12(11):520-524. Nov. 1965. 95.8 W435
English summary.
Brachyrhinus sulcatus.
- 22754 MOORE, D. H. Oil-insecticide combination sprays for ornamentals. Weeds Trees Turf 5 (10):12-13. Oct. 1966. 79.8 W413
- 22755 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Cymbidium virus. Agr. Gaz. New S. Wales 77(6):back cover. June 1966. 23 N472
Mosaic and necrotic ring spot transmitted by sap and aphids; includes control.
- 22756 ROBERTSON, R. L. Bagworms and their control. N. C. Univ. Ext. Ext. Folder 174, rev., 4 p. Aug. 1966. 275.29 N811Ex
Chemical control of Psychidae, pests of evergreens and ornamental trees.
- 22757 ROBERTSON, R. L. Lace bugs and their control. N. C. Univ. Ext. Ext. Folder 117, rev., 4 p. Aug. 1966. 275.29 N811Ex
Control of Tingidae, pests of ornamentals, with malathion and summer oil.
- 22759 SAINI, R. S. The ovidial effects of phorate (O,O-diethyl S-(ethylthiomethyl) phosphorodithioate) on six-spotted leafhopper, *Macrosteles fascifrons* (Stål.). Diss. Abstr., Sect. B, 27(4): 1009B. Oct. 1966. Z5055.U49D53
China asters used as host plant.
- 22759 WALLNER, W. E. Insects affecting woody or ornamental shrubs and trees. Mich. State Univ. Ext. Ext. Bull. 530,39 p. May 1966. 275.29 M58B
Chemical control.

- 22760 YAKIMENKO, N. Pests of Juniperus seeds and the means for their control. (Rus) Sel'skoe Khoz. Kirgizii 9:18-19. Sept. 1966. 20 Se493
Chemical control of insects.

Pests of Stored Products and Processed Commodities

- 22761 ANDREEV, S. V., and MARTENS, B. K. Calculation of distribution of dosage in gamma-sterilizer of grain products and determination of its basic parameters under line production method of disinfection. (Rus) Radiobiologiya 5(4): 605-611. Ref. 1965. 442.8 R11
Insect control.
- 22762 FERNIE, L. M., and LANGLEY, C. J. Arabica coffee storage. II. A review of the problem in Tanganyika. Kenya Coffee 31(367):297,299. Ref. July 1966. 68.29 C652
Includes pests, Aracorus fasciculatus, Hypothenemus (Stephanoderes) hampei, and Tribolium sp.
- 22763 FREY, W. Test instructions for sprays and sprayers against the clothes moth (Tineola bisselliella Hum.). (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 18(1):8-12. Jan. 1966. 442.9 B832
- 22764 FUNFALEK, A. Second attack on dried mushrooms. (Cz) Mykol. Sb. 43(5/6):84. July/Aug. 1966. 450 C27
Storage control of Ephestia elutella and Plodia interpunctella.
- 22765 GILES, P. H. A record of stored product insects associated with Northern Nigerian foodstuffs. Samaru, Institute for Agricultural Research, Ahmadu Bello University, 1965. 7 p. (Samaru Miscellaneous Paper No. 8) SB919.N52G5
- 22766 ILC, B. A contribution to the study of the effect of temperature of wheat on the effectiveness of phosphine. (Se) Agrohemiija 12:675-684. Ref. 1965. 385 Ag87
English summary.
In the control of storage pest Sitophilus oryzae.
- 22767 MCPHEE, J. R. Mothproofing of wool with organobromine compounds. Textile Res. J. 36 (11):941-946. Ref. Nov. 1966. 304.8 T293
- 22768 MIHALYI, F. Flies visiting fruit and meat in an open-air market in Budapest. Acta Zool. [Budapest] 12(3/4):331-337. 1966. 410 Ac85
- 22769 NELSON, H. D. Malathion-treated drying trays to protect raisins from insects; commercial tests in 1965. U. S. Agr. Res. Serv. ARS 51-9, 7 p. Aug. 1966. A280.39 R31A
California.
- 22770 REDLINGER, L. M., and WOMACK, H. Evaluation of four inert dusts for the protection of shelled corn in Georgia from insect attack. U. S. Agr. Res. Serv. ARS 51-7, 25 p. Ref. June 1966. A280.39 R31A
Diatomaceous earth and silica aerogels.
- 22771 SHEPHERD, R. C. H., and CHAMP, B. R. Protection of stored potato tubers against Phthorimaea operculella (Zell.). Queensland J. Agr. Anim. Sci. 22(4):519-522. Dec. 1965. 23 Q37
Control with malathion, diazinon and fenchlorphos.
- 22772 TELLE, H. J. Safety measures during the application of pesticides. (Ge) Anz. Schadlingskunde 39(5):67-69. May 1966. 421 An9
English summary.
Control of cockroaches with insecticides.
- 22773 WHITE, G. D., and others. Evaluation of four inert dusts for the protection of stored wheat in Kansas from insect attack. U. S. Agr. Res. Serv. ARS 51-8, 21 p. June 1966. A280.39 R31A
W. L. Berndt, J. H. Schesser, and C. C. Fifield, joint authors.
Diatomaceous earth and silica aerogels.

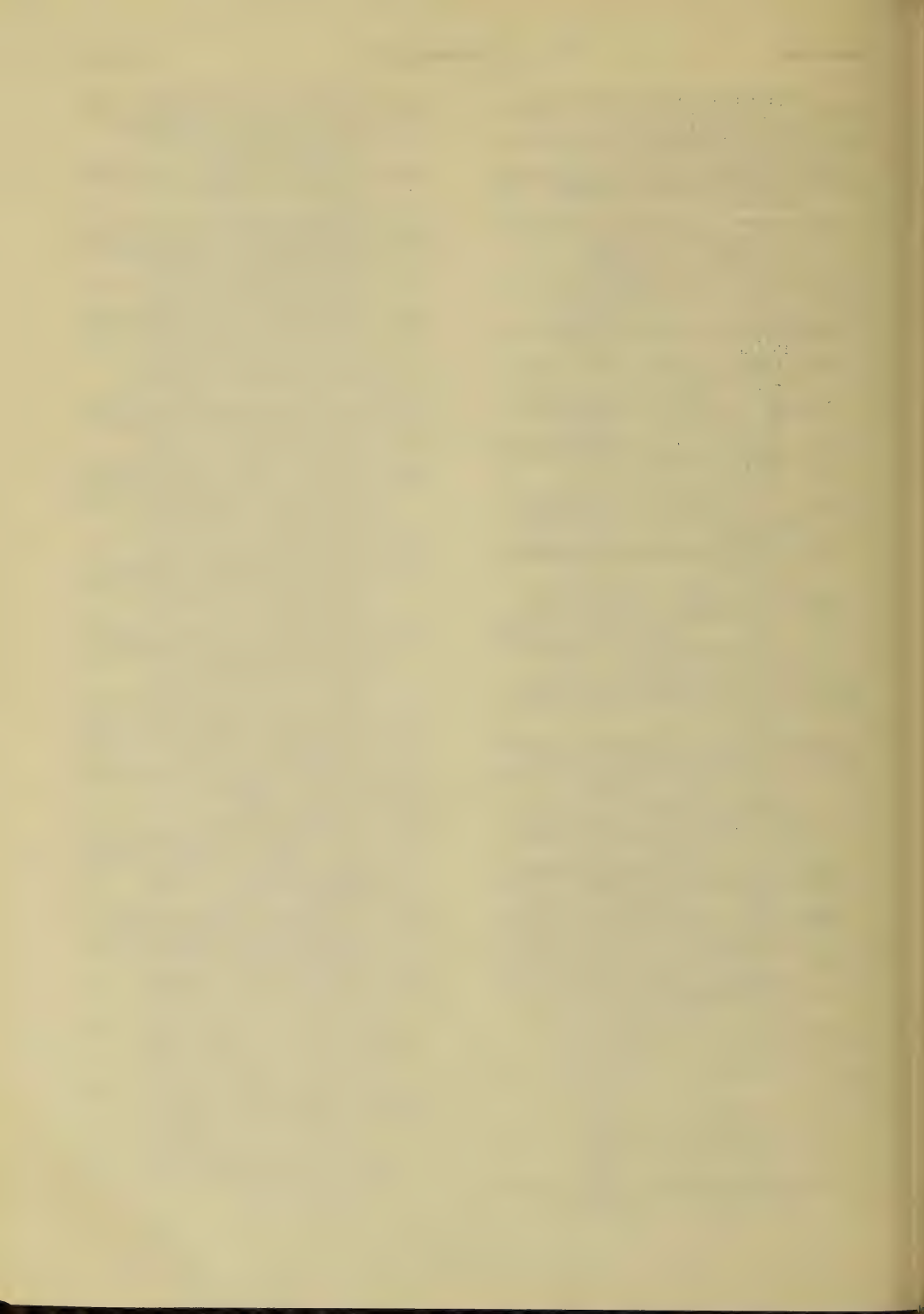
APICULTURE AND APIS MELLIFERA

- 22774 ARTEMOV, N. M., and others. Effect of bee and cobra venoms on the neuromuscular apparatus of the cat. U. S. Joint Publ. Res. Serv. [Transl.] Nauch. Dokl. Vyssh. Shkoly. Biol. Nauk. (Sci. Rep. Higher Sch. Biol. Sci.) USSR 3: 14-23. Ref. Feb. 16, 1965. (JPRS 28,782, TT 65-30345) 173 J663Tfm
Y. V. Goryachev, O. N. Lebedev, and A. S. Stepanov, joint authors.
Venom injected into cat from Apis mellifera blocks neuromuscular response.
Translation from Nauchnyye Doklady Vyshev Shkoly - Biologicheskoye Nauki 3:54-61, 1964. CFSTI:2.00.
- 22775 BEE RESEARCH ASSOCIATION. Lists of books recommended to candidates for beekeeping examinations. Bee World 47(1):37-41. Spring 1966. 424.8 B399
- 22776 BENECKE, F. S. For the hobbyist beekeeper. Agr. Gaz. New S. Wales 77(8):502-505. Ref. Aug. 1966. 23 N472
- 22777 BUTLER, C. G. Mandibular gland pheromone of worker honeybees. Nature [London] 212 (5061):530. Oct. 29, 1966. 472 N21
- 22778 CHEREPOV, V. T., and KULKOV, N. S. Differentiation between Streptococcus pluton and Bacterium pluton. (Rus) Veterinariya 6:25-26. June 1966. 41.8 V6426
Cause of European foulbrood.
- 22779 DIEHNELT, B. The bee blower. Amer. Bee J. 106(7):246-247. July 1966. 424.8 Am3
- 22780 DOULL, K. M. The relative attractiveness to pollen-collecting honeybees of some different pollens. J. Apicult. Res. 5(1):9-13. 1966. 424.8 J82
- 22781 DUSTMANN, J. H. Investigations of the eye pigments of the honey bee Apis mellifera. (Ge) Naturwissenschaften 53(8):208. Apr. 15, 1966. 474 N213
- 22782 FREE, J. B., and DURRANT, A. J. The dilution and evaporation of the honey-stomach contents of honeybees at different temperatures. J. Apicult. Res. 5(1):3-8. Ref. 1966. 424.8 J82
- 22783 FYG, W. Chloretone as a relaxant for honeybee muscle. J. Apicult. Res. 5(1):15-16. 1966. 424.8 J82
- 22784 FYG, W. The occurrence of flagellates in the honey-bee rectum. 7 p. Transl. 16204
Translation from Schweizerische Entomologische Gesellschaft. Mitteilungen 27(4):423-428. Dec. 30, 1954.
- 22785 GLUSHKOV, N. M., and TRUBETSKOI, P. G. Pollen collected from flowers by bees and ways of using it. 22 p. Ref. Transl. 16203
Translation from Institut Pchelovodstva. Vestnik 10:1-52. 1964.
- 22786 GUNNISON, A. F. An improved method for collecting the liquid fraction of bees. Amer. Bee J. 106(7):33-43. 1966. 424.8 J82
Apis mellifera.
- 22787 GUSTAVSSON, H. Note on swarming. (Sw) Bidningen 65(10):305. Oct. 1966. 424.8 B54
- 22788 HANSEN, R. G. Bees to help in pesticide study. Amer. Bee J. 106(7):247,249. July 1966. 424.8 Am3
- 22789 HANSSON, A. Glimpses from Hungarian apiculture. (Sw) Bidningen 65(10):299-301. Oct. 1966. 424.8 B54
- 22790 HELMESJO, B., and SAHLIN, H. Glimpses from German apiculture. (Ge) Bidningen 65 (10):308-309. Oct. 1966. 424.8 B54
- 22791 HITCHCOCK, J. D. Bee disease research at Laramie. Amer. Bee J. 106(7):255. July 1966. 424.8 Am3
Wyoming Agricultural Experiment Station, cooperating.
- 22792 IBRAGIMOV, R. P. We liquidate American foulbrood. 6 p. Transl. 16194
Translation from Pchelovodstvo 8:20-21. Aug. 1965.
- 22793 JENSEN, E. New frames, old frames. (Da) Tidsskr. Blavl 100(10):160. Oct. 20, 1966. 424.8 T43

- 22794 KULIKOV, N. S. Microbiological method of control of wax moth. (Rus) Pchelovodstvo 10: 29, Oct.1966, 424.8 P295
Galleria mellonella with *Bacillus thuringiensis*.
- 22795 LONCAREVIC, S. The role of *Apis mellifera* in the pollination of cultivated plants. (Se) Biljna Zastita 10(2/3):39-36, Feb./Mar.1966, 464.8 B49
- 22796 LOTMAR, R. Flagellates and bacteria in the small intestine of the honey bee (*Apis mellifera*). 17 p. Ref. Transl. 16163
Translation from Schweizerische Bienen-Zeitung 2(14):49-76, Sept.1946.
- 22797 MARTIN, E. Factors affecting a honey crop. Amer. Bee J. 106(7):254,264, July 1966, 424.8 Am3
- 22799 MARUCCI, P. E. Blueberry pollination. Amer. Bee J. 106(7):250-251,264, July 1966, 424.8 Am3
Higher concentrations of honey bees needed to increase yields.
- 22799 MITEV, B. Comparative test of methods for royal jelly production. (Bu) Zhivotnovudni Nauk. 2(6):955-969, Ref. 1965, 49 Z65
German summary.
- 22800 OROSI-PAL, Z. A new bee louse; *Braula coeca angulata*. J. Apicult. Res. 5(1):27-32, 1966, 424.8 J82
Braula coeca angulata n. ssp.
- 22801 OSTROVSKII, N. I. The toxic effect on honey bees of herbicides and of mineral-fertilizer solutions used for non-radical nutrition. 3 p. Transl. 15041
Translation from Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk. Doklady 20(2): 32-34, 1955.
- 22802 OUDMAN, J. The radial extractor. (Du) Bijenteelt 2(9):122, Sept.1966, SF521.B5
- 22803 PALMER-JONES, T., FORSTER, I. W., and CLINCH, P. G. Observations on the pollination of Montgomery red clover (*Trifolium pratense* L.). New Zeal. J. Agr. Res. 9(3):738-747, Ref. Aug.1966, 23 N4892
Honey bee and bumble bee, as pollinators.
- 22804 ROSDAHL, H. Wintering and winter losses. (Sw) Bitldningen 65(10):302-303, Oct.1966, 424.8 B54
Colony management.
- 22805 SEKIGUCHI, K., and SAKAGAMI, S. F. Structure of foraging population and related problems in the honeybee, with considerations on the division of labour in bee colonies. Hokkaido Nat. Agr. Exp. Sta. Rep. 69,65 p. Ref. Aug.1966, 107.6 H68N
- 22806 SHAW, F. R., and ARMSTRONG, R. L. Preliminary observations on the effects of a naled fog on honey bees. Amer. Bee J. 106(7):248, July 1966, 424.8 Am3
- 22807 SIMPSON, J. Congestion of adult honeybees with and without adequate hive space. J. Apicult. Res. 5(1):59-61, Ref. 1966, 424.8 J82
- 22809 SIMPSON, J., and FAIREY, E. M. How efficiently can wax be extracted from old brood combs by simple methods. (Sum.) Amer. Bee J. 106(7):252-253, July 1966, 424.8 Am3
- 22809 STEVENSON, J. H. A method of obtaining active worker honeybees in winter for experimental use. J. Apicult. Res. 5(1):63-64, 1966, 424.8 J82
Apis mellifera; includes resistance to diel-drin.
- 22810 TUCKER, K. W., and LAIDLAW, H. H. The potential for multiplying a clone of honey bee sperm by androgenesis. J. Hered. 57(5):213-214, Ref. Sept./Oct.1966, 442.8 Am3
Artificial insemination.
- 22811 VELICHKOV, V., and KAMENOV, L. Prevention of swarming of bee population. (Bu) Zhivotnovudni Nauk. 3(3):425-430, Ref. 1966, 49 Z65
German summary.
- 22812 VELICHKOV, V. Results of experiments on protection of bees from DDT-dusts applied by aircraft in forest areas. (Bu) Zhivotnovudni Nauk. 3(4):627-634, Ref. 1966, 49 Z65
German summary.
- 22813 WATKINS, L. H. The John S. Harbison manuscript collection. Amer. Bee J. 106(7):256-257, July 1966, 424.8 Am3

SERICULTURE AND THE SILKWORM

- 22814 GRIGOROV, B. Results of the production of silkworm seed from certain white silkworm breeds. (Bu) Zhivotnovudni Nauk. 3(2):237-242, 1966, 49 Z65
English summary.
- 22815 HUANG, T. F. A new chemical disinfectant for sericulture. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 314: 30, May 13,1966, (JPRS 35,490; TT 66-31926) 173 J663Teco
Translation from Chieh Fang Jih Pao 3, Dec.10,1965.
Issued by CFSTI.
- 22816 MORI, T. Electron microscopical studies on the fine structure of the integument in the silkworm, *Bombyx mori* L. (Ja) Kontyu 33(4):385-426, Dec.1965, 421 K933
English summary.
- 22817 SHAKHBAZOV, V. G. Heterosis and heat resistance. (Rus) Moskov. Obsch. Ispytatelei Prirody. Byul. Otd. Biol. 71(3):120-127, Ref. May/June 1966, 511 M85
English summary.
- 22818 *Bombyx mori*, *Antheraea pernyi* and plants.
- 22819 SRIVASTAVA, U. S., and KHARE, M. K. The development of Malpighian tubules and associated structures in *Philosamia ricini* (Lepidoptera, Saturniidae). J. Zool. 150(2):145-163, Ref. Oct.1966, 410.9 L84P
- 22819 STOILOV, D. Investigation of two foreign silk moth races. (Bu) Zhivotnovudni Nauk. 3(4): 635-638, 1966, 49 Z65
German summary.
- 22820 WEEVERS, R. DE G. A lepidopteran saline: effects of inorganic carbon concentrations on sensory, reflex and motor responses in a herbivorous insect [*Antheraea pernyi*]. J. Exp. Biol. 44(1):163-175, Ref. Feb.1966, 442.8 B77
- 22821 YANKOV, A., and LAKOV, I. Study of the correlation between the life length of the silk moths (*Bombyx mori*) and the pebrine infection. (Bu) Zhivotnovudni Nauk. 3(2):243-252, Ref. 1966, 49 Z65
English summary.



FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 22822 AMERICAN DIETETIC ASSOCIATION. President's report to members, by K. M. Hart. Amer. Diet. Ass. J. 49(6):487-491. Dec.1966. 389.8 Am34
- 22823 AVELLANA, C. B. Food service administration in industrial cafeterias and canteens. Philippine J. Nutr. 19(1/2):104-107. Jan./June 1966. 389.8 N9524
- 22824 BUDAPEST. ORSZAGOS ELELMEZES- ES TAPLAKOZASTUDOMANYI INTÉZET. Evkonyv [Yearbook of the National Feeding and Nutrition Scientific Institute], 1965. Budapest, 1966. 93 p. 241.64 B852
Abstracts of papers on human nutrition.
- 22825 CORPUZ, V. A. Food service administration in hospitals. Philippine J. Nutr. 19(1/2):108-110. Jan./June 1966. 389.8 N9524
- 22826 ERDELYI, MRS. L. Dehydrated plums. (Hu) Kertesz Szolész. 15(18):12-13. Sept.1966. 80 K474
Chiefly cookery.
- 22827 FAJARDO, R. C. Food service administration in school cafeterias. Philippine J. Nutr. 19(1/2):98-103. Jan./June 1966. 389.8 N9524
- 22828 FERNANDEZ, N. A., and others. Nutritional status of people in isolated areas of Puerto Rico; survey of Barrio Naranjo, Moca, Puerto Rico. Amer. J. Clin. Nutr. 19(4):269-284. Ref. Oct.1966. 389.8 J824
J. C. Burgos, I. C. Plough, L. J. Roberts, and C. F. Asenjo, joint authors.
- 22829 FERRO-LUZZI, G. Rapid evaluation of nutritional level; a community-screening project. Amer. J. Clin. Nutr. 19(4):247-254. Ref. Oct.1966. 389.8 J824
- 22830 FRIEND, B. Nutritional review. U. S. D. A. Econ. Res. Serv. Nat. Food Situation. NFS-118: 42-46. Nov.1966. 1.941 S2F73
Requirements.
- 22831 HARRIS, H. A. Nutrition and physical performance; the diet of Greek athletes. Nutr. Soc. Proc. 25(2):87-90. 1966. 389.9 N953
- 22832 HELTON, E. Quick breads for holiday giving. Ky. Univ. Ext. H. E. 3-114,9 p. Sept.1966. 275.29 K415H
Cookery.
- 22833 HINKLE, M. M. Exhibit advances community nutrition education. Amer. Diet. Ass. J. 49(6):512-513. Dec.1966. 389.8 Am34
- 22834 LAGMAN, L. Recent trends of food service administration and its application in the Philippines. Philippine J. Nutr. 19(1/2):91-93. Jan./June 1966. 389.8 N9524
- 22835 MANGAHAS-MARZAN, A. Thiamine requirement of some adult Filipinos. Philippine J. Nutr. 19(1/2):79-90. Ref. Jan./June 1966. 389.8 N9524
- 22836 MARTINDALE, N. Strawberry time. Agr. Gaz. New S. Wales 77(8):506-508. Aug.1966. 23 N472
Cookery.
- 22837 MOORE, S. T. A historical study of trends in the methodology and content of adult education programs in nutrition in the United States. Diss. Abstr., Sect. B, 27(3):869B. Sept.1966. Z5055.U49D53
- 22838 NAGOTTE, G. J., and BARTON, J. A. Milk drinks. Va. Polytech. Inst. Ext. Circ. 618, rev., 10 p. Sept.1966. 275.29 V81C
Chiefly recipes.
- 22839 NATIONAL NUTRITION WEEK CELEBRATION, 1966. Proceedings. Philippine J. Nutr. 19(1/2), 162 p. Ref. Jan./June 1966. 389.8 N9524
- 22840 OLSON, P. J., and CARLIN, A. F. Holiday foods with a honey flavor. Iowa Farm Sci. 21(5/6):13-14. Nov./Dec.1966. 275.28 I094
Cookery.
- 22841 RAMOS-TEODORO, S. Trends in food service administration (commercial establishments). Philippine J. Nutr. 19(1/2):94-97. Jan./June 1966. 389.8 N9524
- 22842 SERRAON-CLAUDIO, V., and MAGSAYSAY-ADVINCULA, M. Dietary survey of pre-school children in the U.P. child development center; a preliminary report. Philippine J. Nutr. 19(1/2):126-135. Ref. Jan./June 1966. 389.8 N9524
- 22843 SINGSON, C. C. Calcium requirement of some adult Filipinos. Philippine J. Nutr. 19(1/2): 72-78. Jan./June 1966. 389.8 N9524
- 22844 TUI, F. C. Nutrition in developing countries. Philippine J. Nutr. 19(1/2):8-28. Jan./June 1966. 389.8 N9524
- 22845 U. S. CONSUMER AND MARKETING SERV. Beef and pork; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-36,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22846 U. S. CONSUMER AND MARKETING SERV. Canned chopped meat or canned luncheon meat; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-43,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22847 U. S. CONSUMER AND MARKETING SERV. Cheese; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-25,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22848 U. S. CONSUMER AND MARKETING SERV. Daily food guide; some choices for thrifty families. U. S. Consum. Marketing Serv. C&MS-23,2 p. July 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- 22849 U. S. CONSUMER AND MARKETING SERV. Donated cracked wheat bulgur; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-33,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22850 U. S. CONSUMER AND MARKETING SERV. Donated nonfat dry milk; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-26,4 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22851 U. S. CONSUMER AND MARKETING SERV. Donated rolled wheat; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-35,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22852 U. S. CONSUMER AND MARKETING SERV. Dry beans; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-40,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22853 U. S. CONSUMER AND MARKETING SERV. Dry split peas; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-38,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.

- 22854 U. S. CONSUMER AND MARKETING SERV.
Eggs; a good choice for the thrifty family.
U. S. Consum. Marketing Serv. C&MS-42,2 p.
Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22855 U. S. CONSUMER AND MARKETING SERV.
Enriched corn grits; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-31,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22856 U. S. CONSUMER AND MARKETING SERV.
Enriched rice; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-30,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22857 U. S. CONSUMER AND MARKETING SERV.
Fish; a good choice for the thrifty family.
U. S. Consum. Marketing Serv. C&MS-39,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22858 U. S. CONSUMER AND MARKETING SERV.
Lunch at school serves the nation; 20 years of progress in the National School Lunch Program. U. S. D. A. PA-764,15 p. Aug. 1966. 1 Ag84Pro
- 22859 U. S. CONSUMER AND MARKETING SERV.
Peanut butter; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-37,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22860 U. S. CONSUMER AND MARKETING SERV.
Poultry; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-41,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22861 U. S. CONSUMER AND MARKETING SERV.
Quantity recipes for type A school lunches. U. S. D. A. PA-631,rev.,cards. Sept. 1966. 1 Ag84Pro
- 22862 U. S. CONSUMER AND MARKETING SERV.
Rolled wheat recipes for institutions. U. S. Consum. Marketing Serv. C&MS-19,8 p. Nov. 1965. A280.39 C762
- 22863 U. S. CONSUMER AND MARKETING SERV.
Whole grain or enriched breads and cereals; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-34,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22864 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. 4-H foods and nutrition projects, 1966-67. Wash. State Univ. Ext. E. M. 2364, rev.,3 p. Aug. 1966. 275.29 W27Mi

FOOD HABITS

- 22865 CHOPRA, J. G., and GIST, C. A. Food practices among Trinidadian children. Amer. Diet. Ass. J. 49(6):497-501. Ref. Dec. 1966. 389.8 Am34
- 22866 JOHNSON, E. Foods and nutrition, sense and nonsense. Ky. Univ. Ext. H. E. 3-315,6 p. July 1966. 275.29 K415H

- 22867 MIRENDA, R. M. V. A study of the dietary habits of junior high school students with implications for nutrition education. Diss. Abstr., Sect. B, 27(3):889B. Sept. 1966. Z5055,U49D53
- 22868 PAZ, S. Y. DE LA, SANTOS, D. L., and TISON, E. C. Dietary practices of students of the U. P. high school. Philippine J. Nutr. 19(1/2):136-147. Ref. Jan./June 1966. 389.8 N9524

NUTRITIVE AND VITAMIN CONTENT

- 22869 BARNDEN, R. Ice cream—the universal food. Dairy Indus. 31(11):906-907. Nov. 1966. 44.8 D1427
Nutritive value.
- 22870 BOBIS, L. The caloric and nutritive value of canned poultry meat and egg products from Czechoslovakian eggs. (Pol) Poznan, Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(4):177-179. Dec. 1965. 47.9 P87
- 22871 BURKHOLDER, P. R., BURKHOLDER, L. M., and CENTENO, P. Nutritive values of shrimp flour. Nature [London] 211(5051):860-861. Aug. 20, 1966. 472 N21
For human consumption.
- 22872 FRANK, W. Vitamin C content of fresh, quick-frozen, and cooked spinach (Spinacia oleracea L.). (Ge) Z. Lebensmittel-Untersuchung - Forsch. 131(1):11-23. Ref. 1966. 385 Z39
- 22873 GABOR, MRS. M. Food industrial and nutritional-biological importance of flavonoid compounds in vegetal raw materials. (Hu) Elemezési Ipar 20(10):316-318. Oct. 1966. 290.9 M57
English summary.
Includes vitamin P.
- 22874 KIESER, F. G., and DUNKERLEY, J. Vitamin fortification of recombined sweetened condensed milk. Australian J. Dairy Technol. 21(3):110-111. Sept. 1966. 44.8 Au74
- 22875 KIK, M. C. Nutritive value of pond-reared fish and chicken, and their value in improving cereal diets. Ark. Agr. Exp. Sta. Bull. 716, 31 p. Ref. Aug. 1966. 100 Ar42
- 22876 MULLER, K. On the importance of potatoes in nutritional physiology. (Ge) Ernähr.-Umsch. 13(4):103-105. Apr. 1966. 389.8 Er66
- 22877 SHALICHEV, YA. Problem of raising protein content of milk. (Bu) Zhivotnovodni Nauk. 3(2):253-264. Ref. 1966. 49 Z65
Review of the literature.
- 22878 U. S. CONSUMER AND MARKETING SERV.
Enriched cornmeal; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-32,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
Cookery.
- 22879 U. S. CONSUMER AND MARKETING SERV.
Fruits and vegetables for vitamin C; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-28,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- 22880 U. S. CONSUMER AND MARKETING SERV.
Vegetables and fruits for vitamin A; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-27,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.

FORESTRY

GENERAL

- 22881 ARNOLD, R. K. The widening research gap in forestry. *Ames Forest*, 53:6-7, 51, 1966. 99,9 1o94
- 22882 BAKER, H. L. The role of timber growing in land use in Hawaii. *Diss. Abstr.*, Sect. A, 27 (3):562A-563A. Sept. 1966. Z5055.U49D5
- 22883 BAUER, E. Forestry in Spain. (Ge) *Forst-Holzwirt* 21(15):326-331. *Ref. Aug.*, 8, 1966. 99,8 F7724
- 22884 BICKERSTAFF, A. Highlights of 1965 forestry. *Pulp Pap. Mag.*, Can. 67(9):WR425-WR426. Sept. 1966. 302,8 P96
- 22885 EDLIN, H. L. Check list of Forestry Commission publications, 1919-65. *Great Brit. Forest. Comm. Forest Rec.* 55,36 p. 1966. 99,9 G795FO
- 22886 ERNST, C. Actual forestry problems in Lower Saxony. (Ge) *Aus Walde* 10:7-26. 1966. 99,8 Au75
- 22887 FERGUSON, J. L. Forestry is on the philatelic fringe, with Finland up front. *Can. Forest Indus.*, 86(11):44-47. Nov. 1966. 99,8 C16
- 22888 FORESTRY institute [Institut forestier] and its tasks. (Sp) *Rev. Maderero* 16/17:30-33. Apr. 1966. 99,8 R3292
- 22889 FOWELLS, H. A. Worldwide forestry research. *J. Forest.* 64(12):806-808. Dec. 1966. 99,8 F768
Partially financed from funds of Public Law 83-480.
- 22890 GARRIDO-PAULET, R. Associations for forestry and savings. (Sp) *Rev. Maderero* 16/17:25-29. Apr. 1966. 99,8 R3292
- 22891 GOMEZ, L. B. Forest district Sierra Morena. (Sp) *Montes* 22(129):269-271. May/June 1966. 99,8 M763
- 22892 GRADNITZER, N. The forestry of Salzburg. (Ge) *Allg. Forstzeitung* 77(9):185-186. Sept. 1966. 99,8 AL53
- 22893 HEJE, K. K., and NYGAARD, J. *Norsk Skogalmanak* [Norwegian forestry almanac] 1967. Oslo, 1966. 332 p. 99,8 Sk58
- 22894 HUNGARY. ORSZAGOS ERDESZETI FOIGAZGATOSAG. 65 éves magyar erdeszeti katasztas. 65th year of the forest research in Hungary, edited by Kolossvary, Mrs. Sz. Budapest, 1966. 79 p., map. SD217.H807
Text also in English, p. 63-77.
Activities of the Forestry Scientific Institute [Erdeszeti Tudomanyos Intezet].
- 22895 INAUGURATION ceremony of the Pakistan Forest Institute. Peshawar. Pakistan J. Forest. 16(3):210-230. July 1966. 99,8 P17
- 22896 INTERNATIONAL UNION OF FORESTRY RESEARCH ORGANISATIONS. Annual report, 1965. Munich, 1965? 79 p. 99,9 1n82A
Text in English, German and French.
- 22897 IOAKEIMIDES, I. Forestry activities in Macedonia during the last 50 years since its independence 1912-1962. (Gre) *Dassika Chron.* 8(94/95):343-373, map. Aug./Sept. 1966. 99,8 D263
- 22898 KALMINS, A., and EVINS, I. Polish Scientific-Research Institut of Forestry [Warsaw Instytut Badawczy Lesnictwa]. (Rus) *Lav. PSR Zinat.* Akad. Vestis 12:93-94. 1965. 511 R442
- 22899 KUBACZYK, E. Results of studies on employment structure of graduates of Forestry Faculty of the College of Agriculture in Poznan [Wysza Szkoła Rolnicza, Wydział Lesny] in units subjected to the ministry of forestry and woodworking industries [Ministerstwo Lesnictwa i Przemysłu Drzewnego]. (Pol) *Sylvan* 110 (7):47-50. July 1966. 99,8 Sy52
English summary.
- 22900 LEIBUNDGUT, H. Forest mindfulness. (Ge) *Wald Holz* 48(1):6-12. Sept. 1966. 99,8 W14
Various aspects and concepts of forest.
- 22901 MAYER, H. *Waldgeschichte des Berchtesgader Landes, Salzburger Kalkalpen* [Forest history of the land of Berchtesgaden (Kalkalps of Salzburg)]. *Forstwiss. Forsch.* 22,42 p. Ref. 1966. 99,8 F7726
- 22902 MAYR-MELNHOF, F. Forestry-outsider of economic development. (Ge) *Allg. Forstzeitung* 77(9):186-187. Sept. 1966. 99,8 AL53
- 22903 MICHIGAN FORESTRY AND PARK ASSOCIATION. Proceedings of the 40th annual conference, Michigan State University, East Lansing, Michigan, February 17-18, 1966. East Lansing, 102 p. 1966. 99,9 M586
- 22904 MUZZI, S. The holiday of trees. (It) *Ital. Forest. Mont.* 21(3):145-147. May/June 1966. 99,8 It12
French summary.
- 22905 PETRICEKS, J. The functions of forests and forest management in future. (Sp) *Soc. Venezolana Ing. Forest. Bol.* 3:9-13. June 1965. 99,9 So127
Includes forest influences.
- 22906 PETRIN, C. Forestry aspects of the utilization of land, colonization and agrarian reform in Latin America. (Sp) *Mex. Forest.* 40(2):15-22. (Cont.) Mar./Apr. 1966. 99,8 M57
- 22907 PETRIN, C. Forestry aspects of the utilization of land, colonization and agrarian reform in Latin America. (Sp) *Mex. Forest.* 40(3):8-16. (Cont.) May/June 1966. 99,8 M57
- 22908 POENSGEN, R. About a letter: forester or forestry engineer. (Ge) *Deut. Forstmann* [Dusseldorf] 6(9):2-3. Sept. 1936. 99,8 D486
- 22909 REDETT, R. B. Computers aid foresters. *Ohio Woodlands* 5(1):19. Nov. 1966/Jun. 1967. 99,8 Oh34
- 22910 ROBERTS, B. K. The Forest of Arden. *Quart. J. Forest.* 60(4):290-300, map. Oct. 1966. 99,8 Q2
History.
- 22911 SAHACHIVIN, C. S. Cambodian Minister of Agriculture discusses problems of forestry. *U. S. Joint Publ. Res. Serv. Transl. S. East Asia* 138:1-4. Dec. 12, 1966. (JPRS 39,051; TT 66-35474) 173 J663Trso
Translation from *Le Sangkum* 13:32-33. Issued by CFSTI.
- 22912 SCHMIDT, K. Foresters of Lower Saxony. (Ge) *Aus Walde* 10:177-192. 1966. 99,8 Au75
Historical survey of the activities of some famous foresters.
- 22913 SCHOBER, R., SCHWERTFEGGER, F., and KLEINSCHMIT, R. Forestry research methods in Lower Saxony. (Ge) *Aus Walde* 10:143-164. 1966. 99,8 Au75
- 22914 SPAUR, G. H. Forest development proceeds in Turkey. *World Wood* 7(5):10, 39. Oct. 1966. 99,8 W89
- 22915 WALKOWSKI, J. It is most important to make the work of foresters easier. (Pol) *Las Polski* 40(18):3-5. Sept. 16/30, 1966. 99,8 L33
- 22916 WESTVELD, R. H. The relation of Federal programs to forestry research in the United States. *Ames Forest.* 53:8-9, 53-54. 1966. 99,9 1o94
- 22917 WORLD FORESTRY CONGRESS, 6, MADRID, 1966. Reports of the plenary sessions. *Unysylva* 20(3):5-33. 1966. 99,8 Un1
Includes list of congress papers.
- 22918 ZIVNUSKA, J. A. The forester: prophet, policy-maker, or professional? *J. Forest.* 64 (12):816-819. Dec. 1966. 99,8 F768

EDUCATION

- 22919 BORSET, O. The 150th anniversary of the Forestry Faculty [Fakultat for Forstwissenschaft] in Tharandt. (No) *Tidsskr. Skogbruk* 74(3):222-281. Ref. 1966. 99,8 T432
- 22920 KASPRZYK, S. Swedish forests. 3. Education, science and experimental work. (Pol) *Las Polski* 40(19):14-15. Oct. 1/15, 1966. 99,8 L33
- 22921 U. S. FOREST SERV. Forestry activities; a guide for youth group leaders. U. S. D. A. PA-457, slightly rev., 31 p. Ref. Oct. 1966. 1 Ag84Pro

FOREST RESOURCES

- 22922 BUDOWSKI, G. Forests of the humid Tropics of America. (Sp) *Turrialba* 16(3):278-285. Ref. July/Sept.1966. 8 T86
English summary.
- 22923 DUFRAINE, F. State forest Pynven. (Fr) Soc. Roy. Forest. Belg. Bull. 73(6):257-272. June 1966. 99.9 B83
Includes the culture of *Pinus* varieties and reforestation.
- 22924 GANSNER, D. A., and DEBALD, P. S. Kentucky forests; Blue Grass Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-7,33 p.,map. Mar.1966. A99.9 F7629Uf
Kentucky Department of Natural Resources, Division of Forestry, cooperating.
- 22925 GRIVAZ, G. Forests and the development of forestry in French Guiana. (Fr) *Bois Forests Trop.* 105:3-20, map. Jan./Feb.1966. 99.8 B632
English summary.
- 22926 HEJAZI, R., and TABATABAI, M. An introduction to southeastern, eastern and northeastern forests of Iran. (Pe) *Tehran. Univ. Agr. Coll. Bull.* 64,44 p. Ref.,p.8-11. 1965. 22.5 T232
English summary.
- 22927 HUSE, S. Virgin forest. (No) *Norsk Natur* 1 (2):47-52, map. Apr.1965. S900.N6
The Elffer Valley virgin forest.
- 22928 JEROME, R. Inventory of poplar stands. (Hu) *Erdö* 15(9):401-406. Sept.1966. 99.8 Er22
German summary.
- 22929 MOK, S. T. A note on the forest resources of Mersing District. *Malayan Forest.* 29(2):102-105, map. Apr.1966. 99.8 M292
- 22930 MOK, S. T. A note on the forest resources of south Pekan District. *Malayan Forest.* 29 (2):106-111, map. Apr.1966. 99.8 M292
- 22931 PAULA, E. Federal forests in the Salzburg area. (Ge) *Allg. Forstzeitung* 77(9):187-188. Sept.1966. 99.8 AL53
- 22932 REDWOOD EMPIRE ASSOCIATION. The redwoods of California. West. Banker 117(4):274-275, 279. Oct.1966. 284.8 C63
Description, conservation, and tourism.
- 22933 SOKOLOWSKI, A. W. A valuable form of trembling aspen occurring in Augustow Forest. (Pol) *Sylvan* 110(8):21-26. Aug.1966. 99.8 Sy52
English summary.
Populus tremula.
- 22934 U. S. FOREST SERV. INTERMOUNTAIN REGION. Sawtooth National Forest, North Division, Idaho. Ogden, Utah, 1965. 28 p.-folder,-map. ASD428.S2A5
- 22935 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Snoqualmie National Forest; 1965 letter to the stockholders. Seattle, 1966? 29 p. A99.9 Sn5
- 22936 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Strawberry Mountain Wilderness, Malheur National Forest. Washington, 1966. 36 p.-folder, map. ASD428.M3A5
- 22937 VOZYAKOV, G. S. Distribution of *Larix sukaczewii* in relation to underlying rocks in the southern taiga subzone of the Central Urals. (Rus) *Les. Zh.* 1:34-37. Ref. 1965. 99.8 Lz8

FOREST INFLUENCES

- 22938 ALTHERR, E., and ZUNDEL, R. A forester's views on the Karlsruhe Waterworks at Hardwald. (Ge) *Allg. Forst-Jagdzeitung* 137(11):245-261, map. Ref. (Concl.) Nov.1966. 99.8 AL3
English summary.
Effects of groundwater level.
- 22939 BOBOVA, L. P. Field protecting windbreaks with thinly distributed trees. (Rus) *Zemledelie* 9:29-30. Sept.1966. 20 Z44
- 22940 DOBRODEEV, O. P. The influence of forest on weathering and sedimentation. (Rus) *Moscow. Univ. Vestnik Ser. 5, Geogr.* 2:86-91. Ref. Mar./Apr.1966. 331.9 M85
- 22941 DOBRYNIN, F. Positive influence of windbreaks on yields. (Rus) *Zemledelie* 9:27-29. Sept.1966. 20 Z44
- 22942 FLEROV, B. A. Forest and the yields. (Rus) *Zemledelie* 9:20-23. Sept.1966. 20 Z44
Windbreaks in control of water and wind erosion.
- 22943 JUNGHANS, H. The duration of sunshine on sloping areas. (Ge) *Arch. Forstwesen* 15(5/6):545-553. 1966. 99.8 Ar22
English summary.
In relation to forests.
- 22944 JUNGHANS, H. The shades of stand edges on sloping areas. (Ge) *Arch. Forstwesen* 15(5/6):675-680. 1966. 99.8 Ar22
English summary.
- 22945 LOZANO, F. C. Of forest and streamflow. *Lumberman* [Manila] 12(4):32,34,60. Ref. June/July 1966. 99.81 L9793
- 22946 PLATT, R. G. Windbreaks for citrus. *Calif. Citrogr.* 51(10):396-397,418,420-421. Aug. 1966. 80 C125
- 22947 PONOMAREVA, V. V. Biogeochemical significance of forests. (Rus) *Akad. Nauk SSSR. Izv. Ser. Geogr.* 5:30-39. Sept./Oct.1966. 331.9 Ak12
- 22948 SHAMAEV, A. A., and others. Role of windbreaks in control of erosion. (Rus) *Zemledelie* 9:23-26. Sept.1966. 20 Z44
M. N. Gorbachenko, I. T. Cokolenko, D. P. Ryzhikov, and N. M. Miloserdov, joint authors.
- 22949 SMIRNOVA, V. A., and SOROGOVETS, P. E. The effect of gray alder [*Alnus incana*] on herbaceous vegetation. 4 p. (TT 66-51091) Transl. 16294
In relation to presence of nitrogen fixing bacteria on its roots.
Translation from *Akademiya Nauk Beloruskoi SSR. Institut Biologii. Byulleten* 5:58-62. 1960.
CFSTI: \$1.00.
- 22950 U. S. FOREST SERV. Your water supply and forests. U. S. D. A. Agr. Inform. Bull. 305, 17 p. Aug.1966. 1 Ag84Ab
- 22951 USTINOVSKAYA, L. T. Forest shelterbelts from the viewpoint of economic effectiveness. 5 p. (TT 66-51089) Transl. 16296
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 11:98-102. 1959.
CFSTI: \$1.00.

FOREST INJURIES AND PROTECTION

- 22952 BARON, F. J., and others. Seeding conifers and buffer crops to reduce deer depredation. U. S. Forest Serv. Res. Note PSW-100,8 p. Ref. 1966. A99.9 F7652
E. C. Nord, A. B. Evanko, and W. J. Makel, joint authors.
California.
- 22953 CLARK, F. B. Increment borers cause serious degrade in black walnut. *J. Forest.* 64(12):814. Dec.1966. 99.8 F768
- 22954 DASSLER, H. G., and RANFT, H. Contributions of science to lowering smoke damages in forestry (report on the Symposium on Smoke Damages, Sept. 30-Oct. 2, 1965 in Tharandt). (Ge) *Arch. Forstwesen* 15(5/6):681-694. 1966. 99.8 Ar22
Abstracts of papers.
- 22955 KOIDL, H. Torrent and avalanche catastrophes in 1965. (Ge) *Allg. Forstzeitung* 77(9):189-190. Sept.1966. 99.8 AL53
- 22956 KOWALSKI, J., and SKABARA, J. Estimation of the range of winter injuries caused by west European stag in fir stands. (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Lesnictwo* 8:95-107. 1966. 99.9 W262
English summary.

- 22957 MILES, B. Nutria—another forest pest. *Tex. Forest News* 45(4):4. Oct./Dec.1966. 99.8 T31
- 22958 PADEREVSKAYA, I. I. Mortality of some oak (*Quercus robur* L.) sprouts. (Rus) *Les. Zh.* 1: 168. 1965. 99.8 I23
- 22959 RUHM, W. Injuries to *Pinus radiata* in Chile by rats. (Ge) *Anz. Schadlingskunde* 39(5):69-71. May 1966. 421 An9
English summary.
- 22960 TIERSON, W. C., PATRIC, E. F., and BEHREND, D. F. Influence of white-tailed deer on the logged northern hardwood forest. *J. Forest.* 64(12):801-805. Dec.1966. 99.8 F768
Damaging effect.
- 22961 ULBRICHT, R. Studies on the application of infra-red photography as a means for detecting smoke damages. (Ge) *Arch. Forstwesen* 15 (5/6):653-666. Ref. 1966. 99.8 Ar22
English summary.

Forest Fire Prevention and Control

- 22962 AIRCRAFT versus towers in fire detection; panel discussion. *West. Forest. Conserv. Ass. West. Forest Fire Cond.* 1965:6-15. 99.8 W526
Chairman, H. B. Forse; panel members H. Harris, M. O. Koppang, R. L. Fielder, and K. O. Wilson.
- 22963 BARROWS, J. S. New concepts and dimensions in forest fire research. *West. Forest. Conserv. Ass. West. Forest Fire Cond.* 1965:1-5. 99.8 W526
- 22964 IRVING, H. J. Fire control. *Pulp Pap. Mag. Can.* 67(9):WR451-WR452. Sept.1966. 302.8 P96
- 22965 MURPHY, L. J. An analysis of the economic efficiency of an experiment in conflagration control on the Stanislaus National Forest, California. *Diss. Abstr.*, Sept. B, 27(2):345B-346B. Aug.1966. Z5055.U49D53
- 22966 RECENT publications and reports on forest fire research; additions to 1963-1965 publications list. *West. Forest. Conserv. Ass. West. Forest Fire Cond.* 1965:20-22. 99.8 W526
- 22967 SCHULTZ, R. D. Game simulation and wild land fire. *J. Forest.* 64(12):791-800. Ref. Dec.1966. 99.8 F768
- 22968 WESTERN FORESTRY AND CONSERVATION ASSOCIATION. WESTERN FOREST FIRE COMMITTEE. Annual meeting, Vancouver, B. C., December 8, 1965. Portland, 1965. 24 p. 99.8 W526
Chairman H. B. Forse.
- 22975 BOEHM, E., and KAMPERS, P. W. Wood as important factor in the economy of Lower Saxony. (Ge) *Aus Walde* 10:115-122. 1966. 99.8 Au75
Economic aspects of forestry.
- 22976 BORCHERS, K. State forests in production and planning in Lower Saxony. (Ge) *Aus Walde* 10:51-96, map. Ref. 1966. 99.8 Au75
- 22977 BRIGGS, S. A. The Amsterdam Forest Park. *Atlantic Natur.* 21(3):131-135. July/Sept.1966. 413.8 W86
- 22978 CALLAHAN, J. C. Economic returns associated with fifty nonindustrial—private woodlands in Indiana. *Ind. Agr. Exp. Sta. Res. Bull.* 815, 16 p., map. May 1966. 100 In2P
U. S. Department of Agriculture, cooperating.
- 22979 CANADIAN PULP AND PAPER ASSOCIATION. WOODLANDS SECT. 1966 forest management conference. *Pulp Pap. Mag. Can.* 67(11): WR539-WR540, WR542-WR543, WR546-WR548, WR550-WR553, WR555-WR556, WR560-WR561. Nov.1966. 302.8 P96
Proceedings and papers presented.
- 22980 CHAVASSE, C. G. R., and TRAVERS, W. W. Growth habits of rimu in Westland's terrace forests and their implications for forest management. *New Zeal. J. Forest.* 11(1):4-19. 1966. 99.8 C162
Dacrydium cupressinum.
- 22981 COX, R. G. Recreation—its effect on private lands. *Pacific Logging Congr. Loggers Handbook* 26(sect.1):29-31, 140. 1966. 99.76 P112a
- 22982 CRINGAN, A. T. Some factors in selecting units for managing wildlife in Ontario. *Diss. Abstr.*, Sect. B, 27(2):344B-345B. Aug.1966. Z5055.U49D53
In forest districts.
- 22983 CSESZNAK, E. Some thoughts on simplifying stand tending. (Hu) *Erdo* 15(9):414-419. Sept.1966. 99.8 Er22
German summary.
- 22984 CYMIEK, A. A. Structure of Soviet forestry management. (Pol) *Las. Polski* 40(22):3-6. Nov.16/30, 1966. 99.8 L33
- 22985 DUBE, Y. The challenge of industry planning in public forest recreation. *Pulp Pap. Mag. Can.* 67(11):WR560-WR561. Nov.1966. 302.8 P96
- 22986 ELLE, T. The farm tractor in forestry. (No) *Norsk Skogbruk* 11(15/16):3-4. Aug.1965. 99.8 N815
- 22987 ELZIUS, C. C. D'. Growing diminution of forest profitability. (Fr) *Soc. Roy. Forest. Belg. Bull.* 73(4):200-204. Apr.1966. 99.9 B83
- 22988 FERGUSON, R. B. Comments on "Wilderness management—a growing challenge." *J. Forest.* 64(10):692-693. Oct.1966. 99.8 F768
In reference to article by A. P. Snyder.
- 22989 GARCIA, A. The forest area for timber licensing: preparation, investigation & organization. *Lumberman (Manila)* 12(4):14, 36, 40. June/July 1966. 99.8 I9793
- 22990 GIACOMINI, V. The Etna National Park [Etna Parco Nazionale], an incomparable landscape to conserve and value. (It) *Ital. Forest. Mont.* 21(3):109-116. May/June 1966. 99.8 I112
French summary.
Proposed.
- 22991 GRATTO, C. P. Changing forest land-use patterns—guidelines and controls. *Conn. Woodlands* 31(6):9-11. Nov./Dec.1966. 99.8 C76
Economic aspects.
- 22992 GREAT BRITAIN. FORESTRY COMMISSION. Mathematical models in forest management: proceedings of the meeting held at the University of Edinburgh on 12th and 13th April 1965. *Great Brit. Forest. Comm. Forest Rec.* 59, 47 p. 1966. 99.9 G795Fo
Papers by M. S. Makower, P. A. Wardle, R. J. McConnen, D. I. Navon, E. L. Amidon, B. E. Wilson, R. S. Howell, R. Coker, and J. N. R. Jeffers.

FOREST MANAGEMENT

- 22969 AGE, P. J. Forest property change owners. (Sw) *Norrbotens Lantmannabl.* 2:23-25. Mar. 1966. 11 N792
Purchase and sale.
- 22970 ANDRZEJCZYK, A. Changing the inspection in non-state forests—a continuous open problem. (Pol) *Las Polski* 40(19):3-4. Oct.1/15, 1966. 99.8 L33
- 22971 APPUHN, A. D. The Lower Saxony forest as workshop. (Ge) *Aus Walde* 10:125-134. 1966. 99.8 Au75
Labor.
- 22972 BALUTA, R., and MOWSOWICZ, J. Forest reservations in Lodz-district. (Pol) *Sylvan* 110(8):53-64, map. Ref. Aug.1966. 99.8 Sy52
- 22973 BAVARIA. STAATSMINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. STAATSFORSTVERWALTUNG. Jahresbericht [Annual report of the State Forest Administration], 1964. München, 1966. 118 p. 99.9 B342F
- 22974 BENCZE, L. New data on the wildlife supporting capacity of forests. (Hu) *Dogazdasag* *Faispar* 20(10):13-14, 18. Oct.1966. 99.8 Er2

- 22993 GUSOVIUS, H. The activity of the forest administration leader—investigation on extent and structure of activity of state forest administration leader in Hesse, Lower Saxony and Rhineland Palatinate. (Ge) Forst- Holzwirt 21(20):443-446. Oct.23,1966. 99.8 F7724
- 22994 HADFIELD, M. An adventure in aminity: Queenswood, Herefordshire. Quart. J. Forest. 60(4):300-303. Oct.1966. 99.8 Q2
A recreational forest.
- 22995 HALL, A. D. Public recreation and the forest. Pulp Pap. Mag. Can. 67(11):WR546,WR550-WR551. Nov.1966. 302.8 P96
- 22996 HALL, A. G. Redwoods: Rep. Clausen offers new park proposal. Forest Indus. 93(13):50-51. Dec.1966. 99.8 I12
Proposal for Redwood National Park.
- 22997 HOPPENSTEDT, F., and BEHRNDT, G. The private forest in Lower Saxony in its economic role. (Ge) Aus Walde 10:97-114. 1966. 99.8 Au75
- 22998 IMMEL, R. History of origin and silvicultural importance of the Hessian forest regulation for Hanau-Munzenberg county in the year of 1736. (Ge) (Extr.) Forstwiss. Centralbl. 85 (9/10):305-314. Sept./Oct.1966. 99.8 F775
- 22999 JONSSON, E. Financing of forestry. (Sw) Sveriges Jordbräksförbund. Jordbräksorrelsen. 25(5):170-172. 1965. 284.29 Sv2
- 23000 JOZEFACIUK, J. Some ways of examining accidents at forest works. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 8:85-93. 1966. 99.9 W262
English summary.
- 23001 KAMINSKY, G. Network planning technique. (Ge) Forstarchiv 37(9):214-216. Sept.1966. 99.8 F7723
Application in forestry for management planning and control activities.
- 23002 KASPRZYK, S. In Swedish forestry. 2. Organization. (Pol) Las Polski 40(18):14-16. Sept.16/30,1966. 99.8 L33
- 23003 KEENAN, J. W. Recreational land use planning. Pulp Pap. Mag. Can. 67(11):WR556-WR558. Nov.1966. 302.8 P96
In forestry.
- 23004 KERZ, R. Forest administration system and rationalization. (Ge) (Condensed.) Deut. Forstmann [Dusseldorf] 6(10):4,6,8. Oct.1966. 99.8 D486
- 23005 KRIEITZSCH, H. Organization of forestry in Lower Saxony in the past and present. (Ge) Aus Walde 10:27-50. Ref. 1966. 99.8 Au75
- 23006 KSIEZNIAK, J. Is the organizational structure of state forests proper? (Pol) Las Polski 40 (20):3-6. Oct.16/31,1966. 99.8 L33
- 23007 KUBA, A. The forest of Lower Saxony in figures. (Ge) Aus Walde 10:193-212, map. 1966. 99.8 Au75
- 23008 KURIS, I. E. Efficient methods of repair of forestry equipment. (Rus) Les. Zh. 1:91-95. 1965. 99.8 I28
- 23009 LAMERDIN, Management and administration goals. (Ge) Forst- Holzwirt 21(20):439-443. Oct.23,1966. 99.8 F7724
- 23010 LAUROW, Z. Experimental forests of the Faculty of Forestry at Sarajevo (Fakultesko Sumsarsko Ogledno dobro "Igmam"). (Pol) Sylwan 110(8):71-76. Aug.1966. 99.8 Sy52
- 23011 LAWS, H. P. Recreation and fire protection. Pulp Pap. Mag. Can. 67(11):WR552-WR553. Nov.1966. 302.8 P96
- 23012 LAY, D. W. Forest clearings for browse and fruit plantings. J. Forest. 64(10):680-683. Oct.1966. 99.8 F768
Ilex vomitoria and Quercus minima as wild life food species.
- 23013 LUNDGREN, A. L., and SCHWETZTER, D. L. Compound-discount interest rate multipliers for evaluating forestry investments. J. Forest. 64(12):813. Dec.1966. 99.8 F768
- 23014 MAJEWSKI, S. It is absolutely necessary to change the bases of economic division of forests (to protection and industrial forests). (Pol) Las Polski 40(19):5-8,10. Oct.1/15, 1966. 99.8 L33
- 23015 MANTEL, K. The social and economic effects of recreation function of forest and its treatment in forest policy. (Ge) Forst- Holzwirt 21(15):339-343. Aug.8,1966. 99.8 F7724
- 23016 MATTHIES, F. Die Kostenträgerrechnung als Teilgebiet der forstlichen Kostenrechnung [Cost bearing calculation as branch of forestry cost calculation]. Aus Walde 9,178 p. 1966. 99.8 Au75
Bibliography, p.116-121.
- 23017 MAZZERBO, V. Possibility of application of mechanical measures for reducing tending costs in reforestation in Sicily. (It) Ital. Forest. Mont. 21(3):130-144. Ref. May/June 1966. 99.8 I12
French summary.
- 23018 MCWILLIAMS, S. Louisiana's hardwood lands: forests or farms, or both? Forests People 16 (4):6-8,26,30. Fourth Q.1966. 99.8 F7628
Management, chiefly.
- 23019 MIKOLA, P. Multiple use of Finnish forests. Finn. Pap. Timber 17(9):112-114. 1966. 302.8 F49
- 23020 MILNE, G. M. Tree farm No. 100. Conn. Woodlands 31(6):5. Nov./Dec.1966. 99.8 C76
- 23021 MOLNAR, G. Thoughts on material recognition of welfare effects. (Ge) Allg. Forstzeitung 77(11):234-236. Ref. Nov.1966. 99.8 AL53
Multiple use.
- 23022 MONTANA, OFF. OF THE STATE FORESTER. Twentieth report, 1965-1966. Missoula, 1965. 42 p., map. 99.9 M762
- 23023 MOROZOV, F. N. Accuracy of cost accounting methods used to determine labor productivity in forestry enterprise. (Rus) Les. Zh. 1:38-42. Ref. 1965. 99.8 I28
- 23024 MOSS, W. T. Forest recreation: a profile. Ga. Forest Res. Council. Ga. Forest Res. Pap. 41,8 p. Sept.1966. 99.9 G299G
- 23025 MUCHIN, A. Collective farm forests. (Pol) Las Polski 40(22):7-8. Nov.16/30,1966. 99.8 L33
In the USSR.
- 23026 NETHERLANDS. STAATSBOSBEHEER. Jaarverslag [Annual report of the State Forest Service], 1965. Utrecht, 1966. 76 p., map. 99.9 N38
English summary.
- 23027 NOWAKOWSKI, A. Present organizational structure of forest districts—a brake in the development of forestry. (Pol) Las Polski 40 (18):5-7. Sept.16/30,1966. 99.8 L33
- 23029 PUGH, A. R. Landowners interested in forest improvement. Ohio Woodlands 5(1):14-15. Nov.1966/Jan.1967. 99.8 Oh34
- 23029 RAFFEL, P. Examples of complex technologies and management tasks in forestry. (Ge) Arch. Forstwesen 15(5/6):555-565. 1966. 99.8 Ar22
English summary.
- 23030 REYNOLDS, R. R. 1965 harvest: Crossett Farm forestry forties. Forest Farmer 25(12):8-9,14. Aug.1966. 99.8 F7692
Set up by Southern Forest Experiment Station, U. S. Forest Serv. at Crossett, Ark.
- 23031 RIHINEN, P. Economic problems of forest regeneration in Northern Finland. (Fi) Metsäluodellinen Aikakauslehti 83(9):348-350. Sept.1966. 99.9 F49
English summary.
- 23032 ROSS, C. R. Men who grow trees. Oreg. State Univ. Ext. Circ. 546, rev., 8 p.-folder. Aug.1966. 275.29 Or32C
Oregon Woodlands Publications Council, co-operating.
Farm woodlands.
- 23033 SCHNEIDER, F. Farm woodlands in Salzburg. (Ge) Allg. Forstzeitung 77(9):190-192. Sept. 1966. 99.8 AL53
- 23034 SEIP, H. K. State of the forest and possibilities in Oppland. (No) Norsk Skogbruk 11(20):647-651. Oct.1965. 99.8 N815
Management and returns.

- 23035 SHANIN, S. S. Stroeine sosnovykh i listvennichnykh drevostoev Sibiri [Structure of pine and larch stands in Siberia]. Moskva, Lesnaya Promyshlennost', 1965. 105 p. Ref. SD397.P5585
Valuation and management.
- 23036 STREEBY, L. L., and TWISS, R. H. Research and forest recreation. *Ames Forest*, 53:12-13, 61. Ref. 1966. 99.9 I094
- 23037 STRICKLER, J. Forests on the prairie. *Kans. State Univ. Ext. C-300, rev.*, 16 p. Oct. 1966. 275.29 K13Ex
Ownership.
- 23038 SWIFT, E. Private forests need better management. *Ohio Woodlands* 5(1):8-9. Nov. 1966/Jan. 1967. 99.8 On34
Reprinted from *Conservation News*.
- 23039 SWITKOWSKI, W. Inventiveness and rationalization in forestry and woodworking industry. (Pol) *Przem. Drzewny* 16(8):303-304. Aug. 1965. 99.82 P95
- 23040 TAGTMEYER, H. Forest and man in Lower Saxony. (Ge) *Aus Walde* 10:135-142. 1966. 99.8 A475
Chi fly recreational aspect.
- 23041 UNGU R, A. Management of Rumanian forestry resources. U. S. Joint Publ. Res. Serv. Trans. I. East Europe. Agr. Forest. Food Indus. 494:85-88. Nov. 25, 1966. (IPRS 39, 775; TT 66-35199) 173 J663Ste
Translation from *Muncitorul Forestier*, 18 (653):1-2. Oct. 5, 1966.
Issued by CFSTI.
- 23042 WEIDERMANN, K. Planning and accounting of a forest enterprise. (Ge) *Dresden. Tech. Univ. Wiss. Z.* 14(6):1607-1610. 1965. 509 D81
- 23043 WENDELKEN, W. J. Eyrewell Forest: a search for stable management. *New Zeal. J. Forest*, 11(1):43-65. Ref. 1966. 99.8 C162
- 23044 WHITE, Z. W. Tree farms—a Connecticut opportunity. *Conn. Woodlands* 31(6):3-4. Nov./Dec. 1966. 99.8 C76
- 23045 WIEBECKE, C., and HUNECKE, D. Marginal land, idle land and increasing forestry production. (Ge) *Forstarchiv* 37(9):197-202. Ref. Sept. 1966. 99.8 F7723
- Forest Description and Mensuration
- 23046 ACKERL, F. Pocket stereoscope with micrometer for instruction and practice. (Ge) *Allg. Forstzeitung* 77(11):229-230. Nov. 1966. 99.8 AL53
- 23047 ARVANITIS, L. G. Decision rules for design of forest sampling systems: a contribution to methodology based on computer simulation. *Diss. Abstr.*, Sect. B, 27(3):658B-659B. Sept. 1966. Z5055.U49D53
- 23048 BASSETT, J. R. Seasonal diameter growth of loblolly pines. *J. Forest*. 64(10):674-676. Oct. 1966. 99.8 F768
- 23049 BELYAKOV, P., KRUSTANOV, K., and ANDONOV, A. On the determination of linear volume increment by increment tests. (Bu) *Gorsko-stopanska Nauk.* 3(4):313-328. Ref. 1966. 99.8 G683
German summary.
- 23050 BOROWSKI, M. On estimation of stand volume by means of sample trees. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo* 8:53-67. 1966. 99.9 W262
English summary.
- 23051 CARNEGIE, D. M., and LAUER, D. T. Uses of multiband remote sensing in forest and range inventory. *Photogrammetria* 21(4):115-141, map. Aug. 1966. 325.28 P562
Aerial photography and other sensing devices.
- 23052 CASTELLANI, C. Determination of surface area and mean volume of wood with the relascopy of Bitterlich. (It) *Ital. Forest. Mont.* 21(3):117-129. Ref. May/June 1966. 99.8 H12
French summary.
- 23053 DAS, S. Standard volume tables for bori (Hoshangabad) teak. *Indian Forest Rec. New Ser. Statist.* 1(2):51-60. 1966. 99.8 In22St
- 23054 FRITS, G. W., and MEYER, M. P. Construction of a local aerial stand volume table from the photo measurements of one interpreter. *Minn. Forest. Notes* 173, 2 p. July 15, 1966. 99.8 M662
- 23055 HEIJBEL, I. An investigation of volume of birch stems. (Sw) *Svenska Skogsvardsforen. Tidskr.* 63(3):231-285. Ref. 1965. 99.8 Sk5
- 23056 HENDERSON, S., and DAMANN, K. E. Burgner Acres Natural Area of eastern Illinois University. *Ill. State Acad. Sci. Trans.* 59(3):281-286, map. 1966. 500 IL6
Survey.
- 23057 KUUSELA, K. A basal area-mean tree method in forest inventory. (Fi) *Metsätaloudellinen Aikakauslehti* 83(9):355-356. Sept. 1966. 99.9 F49
English summary.
- 23059 KWON, O. B. Studies on the site quality of red pine stands in Kangwon-do. (Ko) *Chunchon Nongkwa Taehak. Yon'gu Nonmunjip. J.* 1:67-80. Ref. July 1965. S19.C5
English summary.
- 23059 LANLY, J. P. A forestry inventory in the Central African Republic. (Fr) *Bois Forests Trop.* 105:33-56, map. Jan./Feb. 1966. 99.8 B632
English summary.
- 23060 LYNDEN, BARON K. R. VAN. Classification of sites according to its suitability for forests. (Du) *Ned. Bosbouw Tijdschr.* 38(6):280-291. Aug. 1966. 99.8 N28
English summary.
- 23061 MAKINEN, V. O. Variation in the characteristics of forest holdings and results obtained by holding groups in experimental inventory of the districts of Etela-Pohjanmaa and Vaasa Forestry Boards. (Fi) *Metsätaloudellinen Aikakauslehti* 83(9):357-361, 370. Sept. 1966. 99.9 F49
English summary.
- 23062 MARZALEK, T. Economic characteristics of the accession of stand quality. (Pol) *Sylvan* 110(8):27-41. Aug. 1966. 99.8 Sy52
English summary.
- 23063 MARZALEK, T. Estimation of the utilization coefficient of the potential productivity of the forest on the basis of the current seasonal growth of the stand volume. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo* 8:69-83. 1966. 99.9 W262
English summary.
- 23064 MOK, S. T. Practical aspects of the current forest resources reconnaissance survey. *Malayan Forest*. 29(2):56-63. Aug. 1966. 99.8 M292
Aerial photography.
- 23065 NEGI, G. S. Relative efficiency of strip surveys in forest enumerations. *Indian Forest*. 92(7):473-476. July 1966. 99.8 In2
- 23066 NEVERS, H. P., and BARRETT, J. P. Testing accuracy of white pine volume estimates from penta prism caliper measurements. *J. Forest*. 64(12):811-812. Dec. 1966. 99.8 F768
- 23067 PLUTH, D. J. A site evaluation for jack pine in north-central Minnesota. *Diss. Abstr.*, Sect. B, 27(3):664B. Sept. 1966. Z5055.U49D53
- 23068 SADOVNICHII, F. P. Determination of site class of young Scotch pine stands. (Rus) *Les. Zh.* 1:17-20. 1965. 99.8 Iz8
- 23069 SANDRASEGARAN, K. A fuelwood volume table for *Eucalyptus robusta* Sm. *Malayan Forest*. 29(2):112-115. Apr. 1966. 99.8 M292
- 23070 SANDRASEGARAN, K. A local volume table for yemari (*Gmelina arborea* Roxb.). *Malayan Forest*. 29(2):97-101. Apr. 1966. 99.8 M292
- 23071 SCHINZEL, W. The optimum basal area of spruce stands of the Thuringian Forest. (Ge) *Arch. Forstwesen* 15(5/6):531-544. 1966. 99.8 Ar22
English summary.
- 23072 WEGGE, P. Stand density and volume increment—some theoretical considerations. (No) *Tidsskr. Skogbruk* 74(3):283-299. Ref. 1966. 99.8 T432
English summary.

- 23073 YEOM, C., SANDRASEGARAN, K., and SINGAM, S. S. Permanent sample plot information on stocking, growth and yield of *Eucalyptus robusta* Sm., grown in Cameron Highlands, Malaya. Kepong. Forest Res. Inst. Res. Pam. 46, 38 p. Ref. Aug. 1966. 99.9 K44R
Chiefly mensuration.
- 23074 ZAREBA, R. The examples of the forest site classification in the visited forest areas of the Soviet Union. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 8:137-150, map. 1966. 99.9 W262
English summary.
- Policies and Programs
- 23075 ARELLANO, C. A. The implementation of the Presidential Directive of May 13, 1966: its concept, mechanics & significance. Lumberman [Manila] 12(4):6, 8, 52. June/July 1966. 99.8 L9793
- 23076 HASEL, K. Relation between forest and country planning. (Ge) Forstwiss. Centralbl. 85 (9/10):257-268. Ref. Sept./Oct. 1966. 99.8 F775
- 23077 JORDAN, R. L. Agricultural forest zoning in Shasta County, California. Amer. Pulwood Ass. Tech. Pap., Oct. 1966:8-9. 99.9 Am33Te
- 23078 LOWRY, S. T. The Appalachian Regional Development Act of 1965 and the Timber Development Organization dilemma. J. Forest. 64(12): 785-791. Dec. 1966. 99.8 F768
- Legislation and Taxation
- 23079 EISL, J. The necessity of forest easement law in the past and now. (Ge) Allg. Forstzeitung 77(10):217-219. Oct. 1966. 99.8 AL53
- 23080 FINLAND. METSAVEROKOMITEAN. Mietinto [Report of the Forest Taxation Committee]. - Silva Fenn. 116, 72 p., map. Helsinki, 1965. 99.9 F497
English summary.
- 23081 HOLMES, W. H. Tree farm over-kill. Pacific Logging Congr. Loggers Handbook 26(sect.1): 25, 132. 1966. 99.76 P112La
Taxation.
- 23082 MANTEL, K. Comparative study of the problems of forest legislation in the member countries of the European Economic Community. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Forschungsergeb. Forstung Forstl. Erzeug. 5:31-52. 1966. 99.34 G31
English summary, p. 71-72.
- 23083 SCHMIDT, W. Forestry is facing a deficit—suggestions for European seed regulations. (Ge) Saatgut-Wirtsch. 17(1):12-13. Jan. 1965. 61.8 Sal
- FOREST PRODUCTS AND UTILIZATION
- 23084 BARCSAY, L., and BOGNAR, I. Some problems in planning wood products manufacturing plants. (Hu) Erdo 15(9):406-413. Sept. 1966. 99.8 Er22
German summary.
- 23085 BEEKMAN, W. B. The tropical timber market in the Netherlands. (Fr) Bois Forests Trop. 105:57-62. Jan./Feb. 1966. 99.8 B632
English summary.
- 23086 ELLICOTT, H. C. New frontiers for forest products. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting: 23-28. 1966. 99.9 Sp6
- 23087 GARYFALOS, I. The problem of marketing the timber from various branches of poplar in Greece.. (Gre) Dassika Chron. 8(94/95):381-393. Aug./Sept. 1966. 99.8 D263
Italian summary.
- 23088 HASAN, S. M. Planning in the field of forest products in east Pakistan. Pakistan J. Forest. 16(3):231-237. July 1966. 99.8 P17
- 23089 HUMPHREYS, N. Computer use in forest marketing investigations. Forest Timber 4(1):4-5. Aug. 1966. 99.8 F7634
- 23090 KENTUCKY, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Kentucky forest utilization survey. No. 17, n.p., 1966. 4 p., map. 99.9 K412
Prepared semi-annually by Forestry Department, University of Kentucky, in cooperation with the Kentucky State Division of Forestry. Forest products marketing and prices.
- 23091 KOPERIN, F. I. Improving quality of wood products as basic trend in realization of technical progress in forest industry. (Rus) Les. Zh. 1:3-5. 1965. 99.8 L28
- 23092 KRAJSKI, W. Development perspectives for wood production and consumption in Europe. (Pol) Sylwan 110(7):1-12. July 1966. 99.8 Sy52
English summary.
- 23093 KRIEDER, C. F. P. R. S. [Forest Products Research Society] its problems and its promise. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting: 1-4. 1966. 99.9 Sp6
- 23094 LANZ, C. Development of wood consumption and wood demand. (Ge) Wald Holz 46(2):40-48. Oct. 1966. 99.8 W14
- 23095 MOBIUS, K. Importance of hardwood in the wood balance of the Federal Republic. (Ge) Forst- Holzwirt 21(19):430-434. Oct. 8, 1966. 99.8 F7724
- 23096 MOBIUS, K. Trends in wood consumption and wood supply of the world up to 1975. (Ge) Forst- Holzwirt 21(15):332-334. Aug. 8, 1966. 99.8 F7724
- 23097 NORTHWEST WOOD PRODUCTS CLINIC. Proceedings of the twenty-first annual meeting held jointly with the Inland Empire Section, Forest Products Research Society, April 19-20, 1966, Spokane, Washington. n.p., 1966. 129 p. Ref. 99.9 Sp6
- 23098 PEJTA, P. Main trends concerning the improvement of quality and refining of woodworking industry products in the project of 5-year plan for the period of 1966-1970. (Pol) Przem. Drzewny 16(10):361-364. Oct. 1965. 99.82 P95
- 23099 PETERSON, R. Commercial use of northwest hardwoods. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting: 85-92. 1966. 99.9 Sp6
- 23100 RZADKOWSKI, S. The 5-year development plan of science and technics in the field of the woodworking industry. (Pol) Przem. Drzewny 16(6):201-204. June 1965. 99.82 P95
- 23101 SACZUK, B. Fifteen years of work of the "Przemysł Drzewny" [Wood Industry] in the service of expanding technical knowledge. (Pol) Przem. Drzewny 16(5):163-164. May 1965. 99.82 P95
- 23102 VIRGINIA POLYTECHNIC INSTITUTE. WOOD RESEARCH LABORATORY. Opportunities with wood; proceedings of October 15, 1966 conferences. Va. Polytech. Inst. Wood. Res. Lab. [Bull.] 59, 43 p. 1965. 99.9 V8142
Abstracts of papers presented.
- 23103 ZIMMERMANN, Wood use and marketing—Rhine and Palatinate aspects. (Ge) Forst-Holzwirt 21(19):424-430. Oct. 8, 1966. 99.8 F7724
- Lumbering and Logging
- 23104 ARNKIL, J. E. Experience in the planning of mechanical barkings in the Nordic countries. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOC/162:514-531. 1966. 99.9 F73Fe
Finland, Norway and Sweden.
- 23105 ASTHANA, M. N., and SETHI, Y. R. Log loading with a pulling and lifting machine. Indian Forest. 92(7):435-440. July 1966. 99.8 In2
- 23106 BENTZ, F., and HILSCHER, A. Chronological tables for hauling conifer stem log with horses. (Ge) Forstarchiv 37(9):202-204. Sept. 1966. 99.8 F7723

- 23107 BERTRAND, J. Stabilizing and compacting forest roads with lime. (Fr) Soc. Roy. Forest. Belg. Bull. 73(6):273-278. June 1966. 99.9 B83
- 23109 BLASER, R. A. Logging the deserts of Arizona. Pacific Logging Congr. Loggers Handbook 26(sec.1):8-12, 121, map. 1966. 99.76 P112La
- 23109 BODELSCHWINGH, E. VON. The farm tractor in log hauling. (Ge) Forsttech. Inform. 11:81-84. Nov. 1966. 99.8 F7794
- 23110 BREVIG, F. K. Calculation of cost of equipment per working hour. (No) Norsk Skogbruk 11(15/16):78-79. Aug. 1965. 99.8 N815
- 23111 BRISLIN, J. A. Oregon job fair. Pacific Logging Congr. Loggers Handbook 26(sec.1):27, 137. 1966. 99.76 P112La
Career opportunities in the logging industry.
- 23112 CHEKALKIN, K. A. Study of dynamics of the mechanisms in the bundle-sorting unit of the flow-line for forming raft sections. 1. (Rus) Les. Zh. 1:55-61. 1965. 99.8 L58
- 23113 CLIPPERT, G. A tree length logging operation in Arkansas. Amer. Pulpwood Ass. Tech. Pap., Oct. 1966:6-7. 99.9 Am33Te
- 23114 CRANDALL, D., GIBNEY, D. R., and MURPHY, P. C. Impact of new programs of natural beauty, recreation, and prevention of air pollution on the logging industry. Pacific Logging Congr. Loggers Handbook 26(sec.1):32-33. 1966. 99.76 P112La
- 23115 CUMMINGS, R. E. Automatic and power shift transmissions in logging. Pacific Logging Congr. Loggers Handbook 26(sec.1):40, 140. 1966. 99.76 P112La
- 23116 DANNATT, N. Consideration of logging operations in a large man made forest with special reference to mechanical barking in a central depot. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:532-557. 1966. 99.9 F73Fe
Great Britain.
- 23117 DEMLEITNER, S. Use of tractor in wood transportation. (Ge) DLZ-Landtech. Z. 17 (11):742, 744. Nov. 1966. 58.8 T677
- 23119 DOERSCHLAG, D. J. Rock rake for reduced tire damage and lower road maintenance costs. Pacific Logging Congr. Loggers Handbook 26(sec.1):28. 1966. 99.76 P112La
- 23119 GIORDANO, G. Barking of round wood in the Mediterranean region. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:589-603. 1966. 99.9 F73Fe
- 23120 GRAMMEL, R. Factors to be taken into consideration in choosing the optimum barking system. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:413-433. 1966. 99.9 F73Fe
- 23121 HAMMACK, B. Log hauling—past and future. Pacific Logging Congr. Loggers Handbook 26(sec.1):36-38. 1966. 99.76 P112La
- 23122 HEVEY, R. T. Logging equipment trends in the pulpwood industry. Forest Indus. 93(13):30-34. Dec. 1966. 99.81 W52
- 23123 HJORNEGAARD, O. Cable steering is most popular in this country; but the Swedes prefer radio steering. (No) Norsk Skogbruk 11 (15/16):55-56. Aug. 1965. 99.8 N815
Log hauling.
- 23124 HUCKEBY, H. M. Planning and development of transportation systems for forest products. Amer. Soc. Agr. Eng. Trans. ASAE 9(2):290-291, 294. 1966. 290.9 Am32T
Chiefly roads in relation to land use.
- 23125 IRGENS, E. A general plan for automobile forest roads. (No) Norsk Skogbruk 11(13/14):419-421. July 1965. 99.8 N815
- 23126 JACHWITZ, E. The power saw. (No) Norsk Skogbruk 11(15/16):21-22. Aug. 1965. 99.8 N815
- 23127 JACHWITZ, E. Working technique in power saw logging. (No) Norsk Skogbruk 11(15/16):22-23. Aug. 1965. 99.8 N815
- 23128 JOHNSON, D. M., and BOSWELL, E. F. Logging operations manpower. Pulp Pap. Mag. Can. 67(9):WR454-WR456, WR458-WR459. Sept. 1966. 302.8 P96
- 23129 JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Symposium on mechanical barking of timber. Volume III. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:611 p. 1966. 99.9 F73Fe
Papers in English, French or Russian.
- 23130 JONES, D. S., HAWKINS, B. T., and MCARTHUR, E. Experimental analysis of saw tooth stresses and deflection. Forest Prod. J. 16(11):35-44. Ref. Nov. 1966. 99.9 F7662J
- 23131 KHARITONOV, V. YA., and MANUKHIN, G. A. Movement of logs under water in sorting and bundling work at floating depots. 2. (Rus) Les. Zh. 1:62-67. 1965. 99.8 L28
- 23132 KILANDER, K. Costs: machine availability and cost of labour power and operation costs. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:464-475. 1966. 99.9 F73Fe
Bark removal.
KORPACHEV, V. P. Some aspects of motion of floating timber bundle being moved by a cable-type mower. (Rus) Les. Zh. 1:68-73. 1965. 99.8 L28
- 23134 KUOMEN, V., and HIRT, R. Research results on the mode of action of lime in soil stabilization. (Ge) Schweiz. Z. Forstwesen 117(10):677-690. Oct. 1966. 99.8 J82
French summary.
Road construction.
- 23135 LE RAY, J. Roads for forest exploitation. (Sp) Montes 22(27):7-17. (Cont.) Jan./Feb. 1966. 99.8 M763
Designs.
- 23136 LE RAY, J. Roads for the forest utilization. (Sp) Montes 22(129):243-255. (Cont.) May/June 1966. 99.8 M763
Includes construction.
- 23137 LINDEMAN, C. F., and MAGNUSSEN, O. Mechanical barking takes over more and more. (No) Norsk Skogbruk 11(15/16):35-38. Aug. 1965. 99.8 N815
- 23138 LOGAN, B. A. The evolutionary progress of tree-length barking and chipping. Pulp Pap. Mag. Can. 67(9):WR435, WR438-WR440, WR442, WR444-WR445, WR448-WR449. Sept. 1966. 302.8 P96
Includes equipment.
- 23139 MCMAHAN, K. Chainsaw safety explained. World Wood 7(5):32-33. Oct. 1966. 99.8 W89
- 23140 MILLER, R. P. Radio signals. Pacific Logging Congr. Loggers Handbook 26(sec.1):14, 140. 1966. 99.76 P112La
In logging.
- 23141 MITCHELL, A. S. Pulpwood harvesting. Pulp Pap. Mag. Can. 67(9):WR433-WR435. Sept. 1966. 302.8 P96
- 23142 MORGAN, H. E. A look at timber utilization trends in the [Pacific Northwest. Amer. Pulpwood Ass. Tech. Pap., Oct. 1966:9-10. 99.9 Am33Te
- 23143 MURLE, G. F., and HORNIBROOK, E. M. Timber harvest in California, 1962. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-2, 29 p. 1965. ASD11.A3
- 23144 NEUBER, B. Surface drainage in road construction. (Ge) Allg. Forstzeitung 77(11):230-231. Nov. 1966. 99.8 AL53
- 23145 NIKU, V. Transport (distance and volume). Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:476-493. Ref. 1966. 99.9 F73Fe
Pulpwood transportation in Finland.
- 23146 PACIFIC LOGGING CONGRESS. Official proceedings: "The challenge of complete utilization." 56th session, Portland, Oregon, November 8-10, 1965. Pacific Logging Congr. Loggers Handbook 26(sec.2-3), 113 p. 1966. 99.76 P112La
Includes regional conferences.
- 23147 PIENKOS, K. New methods for the hardening of forest roads. (Pol) Sylwan 110(7):13-22. July 1966. 99.8 Sy52
English summary.

- 23149 POSKROBKO, W. Let us introduce the new methods for preparing band saws for work. (Pol) *Przem. Drzewny* 17(8):4-5. Aug. 1966. 99.82 P95
- 23149 PREVOST, J. Barking of small hardwood logs. (Fr) *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:446-463*. 1966. 99.9 F73Fe
English summary.
- 23150 RAMSING, K. D. How the critical path method can assist road construction. *Forest Indus.* 93 (13):66-69. (Cont.) Dec. 1966. 99.81 W52
- 23151 RENNIE, D. G. Controlled maintenance reduces costs. *Pacific Logging Congr. Loggers Handbook* 26(sect.1):13, 132. 1966. 99.76 P112La
Logging equipment.
- 23152 RILEY, R. D. Early days of timber and men. *Pacific Logging Congr. Loggers Handbook* 26 (sect.1):19-20, 125. 1966. 99.76 P112La
- 23153 SILVERSIDES, C. R. The rate of diffusion of new harvesting systems and machines in the pulpwood logging industry in eastern Canada. *Pulp Pap. Mag. Can.* 67(11):WR519-WR524, WR529-WR531, WR533-WR535, WR538. Nov. 1966. 302.8 P96
- 23154 SJOSTEDT, S. I. Logging in India. *Unasylva* 20(3):36-42. 1966. 99.8 Un1
- 23155 SODERLUND, J. A., and SIEVERT, R. Is mechanization a poor business for the small forests? (Sw) *Jord Skog* 18(2):12-14. 1966. 58.8 M373
Logging.
Comments p.15-16, 50.
- 23156 STEFANIAK, W. Grinding circular saws and carbide-tipped molding cutters. (Pol) *Przem. Drzewny* 17(7):26-28. July 1966. 99.82 P95
- 23157 STOKES, E. Kauri and white pine: a comparison of New Zealand and American lumbering. *Ass. Amer. Geogr. Ann.* 56(3):440-450, map. Ref. Sept. 1966. 500 As73
Agathis australis and Pinus strobus.
- 23158 SZELESS, S. Mechanical barking in Austria. *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:558-569*. 1966. 99.9 F73Fe
- 23159 SZTYBER, J. Some methods for utilization of logging waste. (Pol) *Las Polski* 40(22):17-18. Nov. 16/30, 1966. 99.8 L33
- 23160 TRIPP, O. Scheduling of harvester operator training and preventive maintenance. *Amer. Pulpwood Ass. Tech. Pap.* Oct. 1966:14. 99.9 Am38Te
- 23161 UMBRECHT, H. Ideas on sharpening and setting saws. (Ge) *Holztechnik* 46(10):460, 462. Oct. 1966. 99.82 H745
- 23162 VORONITSYN, K. I., and VORBE'EV, I. V. The effect of season on barking. (Rus) *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:494-502*. 1966. 99.9 F73Fe
English summary.
- 23163 VORONITSYN, K. I., and SIMONOV, M. N. Organization of barking in case of clear-cutting. (Rus) *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:507-513*. 1966. 99.9 F73Fe
English summary.
- 23164 VUORI, P. Commercial logging in the felling season 1965-66. *Finn. Pap. Timber* 17(9):120-121. 1966. 302.8 F49
- 23165 WHAT'S new in logging machinery. *Pacific Logging Congr. Loggers Handbook* 26(sect.1):42-52. 1966. 99.76 P112La

Sawmills

- 23166 BOROVIKOV, E. M. Effect of process of plastic deformation of the metal of tooth tips during swaging on their wear and blunting. (Rus) *Les. Zh.* 1:116-126. 1965. 99.8 L28
Frame saws.
- 23167 GILLESPIE, J. D. The establishment of small sawmills including portable mills, for the salvage of residual saw logs from logging areas in Victorian forests. *Australian Timber J. Building Prod. Merchandiser* 32(8):53, 55, 57, 59, 61, 63. Sept. 1966. 99.81 Au7
Includes discussion.

- 23169 GRÓMADZKI, J. Technical reconstruction of the sawmill industry. (Pol) *Przem. Drzewny* 16(12):447-451. Dec. 1965. 99.82 P95
- 23169 KIKIEWICZ, Z., and KAWKA, W. Problems of dynamics in the performance of high-speed chippers. (Pol) *Przem. Drzewny* 17(10):11-16. Ref. Oct. 1966. 99.82 P95
- 23170 KURKOWSKI, J. New methods of sawing control and dimensioning of spacers—means of improving of sawmill production. (Pol) *Przem. Drzewny* 17(10):1-6. Oct. 1966. 99.82 P95
- 23171 KUTYLA, J. Status and developmental trends of the sawmill industry of Poland. (Pol) *Przem. Drzewny* 16(12):441-447. Dec. 1965. 99.82 P95
- 23172 MANDAU, S. Reclamations and lucrativeness of sawmills. (Pol) *Przem. Drzewny* 16(5):165-166. May 1965. 99.82 P95
- 23173 MIGDAL, C. Designing of transport mechanization in mechanical wood conversion plants. (Pol) *Przem. Drzewny* 16(10):369-372. Oct. 1965. 99.82 P95
- 23174 MIGDAL, C. Problems of mechanization of external and internal transport in plants of primary wood conversion. (Pol) *Przem. Drzewny* 16(8):287-290. Aug. 1965. 99.82 P95
- 23175 NIERAT, J. M. Mechanization of barking in sawmills. (Fr) *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:434-445*. 1966. 99.9 F73Fe
English summary.
- 23176 NIEZIELINSKI, B. Organizing and technical premises of sawmill industry reconstruction. (Pol) *Przem. Drzewny* 17(1):2-4. Jan. 1966. 99.82 P95
- 23177 OLSZEWSKI, J. Circular saws with inserted ceramic metal teeth for cutting particle board. (Pol) *Przem. Drzewny* 16(11):410-413. Nov. 1965. 99.82 P95
- 23178 OSKA, S. Barking of smallwood before its conversion into fiberboard. (Pol) *Przem. Drzewny* 16(8):284-286. Aug. 1965. 99.82 P95
- 23179 PERZYCH, T. Fundamentals of production concentration in the sawmill industry. (Pol) *Przem. Drzewny* 17(1):5-9. Jan. 1966. 99.82 P95
- 23180 PRZYBORSKI, Z. Actual problems relating to mechanized barking and bark utilization. (Pol) *Przem. Drzewny* 17(7):3-7. July 1966. 99.82 P95
- 23181 RZADKOWSKI, S. Scientific-technical background of the sawmill industry. (Pol) *Przem. Drzewny* 16(12):451-455. Dec. 1965. 99.82 P95
- 23182 SIVERSON, M. Burmese sawmills. *Northwest Wood Prod. Clin. Proc.*, 21st Annu. Meeting: 93-96. 1966. 99.9 Sp6
- 23183 SOBOLEV, I. V. Effect of barking sawlogs on the output of a frame saw. (Rus) *Les. Zh.* 1:109-115. 1965. 99.8 L28
- 23184 WAGONER, H. A mechanical variable speed planer feed—closed circuit TV for debarkers. *Northwest Wood Prod. Clin. Proc.*, 21st Annu. Meeting: 35-36. 1966. 99.9 Sp6

Processing and Woodworking

- 23185 BEALL, F. C., MEYER, J., and SKAAR, C. Direct and RF heat curing of wood-plastic composites. *Forest Prod. J.* 16(9):99-106. Ref. Sept. 1966. 99.9 F762J
Polymerization of a vinyl monomer in Populus and Tilia wood.
- 23186 DUMITRESCU, N. S., and HARAP, A. Efficiency of wood-processing complexes; experience in Rumania. *Unasylva* 20(3):43-48. 1966. 99.8 Un1
- 23187 DZBENSKI, W. Woodworking industry in Hungary. (Pol) *Przem. Drzewny* 17(4):15-19. Apr. 1966. 99.82 P95
- 23188 GALINKIN, B. E., and KOZHEVNIKOV, B. I. Study of the dynamics of the cutting process during turning of compressed wood. (Rus) *Les. Zh.* 1:96-100. 1965. 99.8 L28
- 23189 GRODECKI, M. Some informations about French production of woodworking machines and devices used in the woodworking industry. (Pol) *Przem. Drzewny* 17(3):24-26. Mar. 1966. 99.82 P95

- 23190 HARMISON, L. T. Irradiated wood plastic materials technology. (Fr) *Energie Nucl.* 8(5): 300-309. July/Aug.1966. 334.8 En2
English summary.
- 23191 KALNINS, A. Plasticized wood. 9 p.
Transl. 16187
Translation from Latvijas PSR Zinatnu Akademijas. Vestis 4:48-55. 1964.
- 23192 PARFIEWICZ, R., and PRZYBORSKI, Z. The development of woodworking industry—one of the subjects of FAO activity. (Pol) *Przem. Drzewny* 17(10):31-34. Oct.1966. 99.82 P95
- 23193 SIAU, J. F., and MEYER, J. A. Comparison of the properties of heat and radiation cured wood-polymer combinations. *Forest Prod. J.* 16(8): 47-56. Aug.1966. 99.9 F7662J
- 23194 STRUMINSKI, J. General considerations concerning mechanization and automation in wood-working industry. (Pol) *Przem. Drzewny* 17(3):1-4. Mar.1966. 99.82 P95
- 23195 ZYTECKI, J. Perspective development of woodworking industry in Yugoslavia. (Pol) *Przem. Drzewny* 17(4):22-24. Apr.1966. 99.82 P95
- 23207 COWLING, E. B., and MERRILL, W. Nitrogen in wood and its role in wood deterioration. *Can. J. Bot.* 44(11):1539-1554. Ref. Nov.1966. 470 C16C
Caused by fungi.
- 23209 FOUGEROUSSÉ, M. Essais de champ sous différents climats de quelques produits de préservation du bois [Field tests of some wood preservatives under different climates]. I. Nogent-sur-Marne. *Cent. Tech. Forest. Trop.* Note Tech. 6:83 p. 1966. 9t.9 N68N
English summary.
Pinus sylvestris, *Fagus sylvatica* and *Pycnanthus angolensis* in France and the Ivory Coast.
- 23209 HICKIN, N. E. Woodworm, dry rot, and the law. B. W. P. A. (Brit. Wood Preserv. Ass.) News Sheet 61:1-2. Apr.1966. 300.9 B77B
Chiefly on legal liability problems in housing.
- 23210 JAHRESBERICHTE über Holzschutz; Annual report on wood protection, 1957/58, edited by G. Becker and G. Theden. Berlin-Dahlem, 1965. 433 p. 300.8 J19
Text in German and English.
- 23211 KIRK, H. List of approved wood preservatives and fireproofing material from the German Office for Measuring and Material Testing [Deutsches Amt für Messwesen und Warenprüfung]. (Ge) *Holzindustrie* 19(9):258-261. Sept. 1966. 99.82 H742

Seasoning, Conditioning, and Finishing

- 23196 ALIC, O. Luster of varnishes in wood finishing and possibilities of the creation of luster in some Yugoslav varnishes. (Se) *Pregled* 2(3): 3-12. Sept.1965. 99.9 P91
- 23197 ANDERSON, A. B. Solvent drying dividends. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting:67-83. Ref. 1966. 99.9 Sp6
Lumber.
- 23198 LOWERY, D. P., and KIMBALL, K. E. Evaluation of high-temperature and conventional methods of stud drying. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting:55-65. 1966. 99.9 Sp6
- 23199 RAFALSKI, J. Problem of wood drying on the background of changes in the structure of the sawmill industry. (Pol) *Przem. Drzewny* 17(1):16-19. Ref. Jan.1966. 99.82 P95
- 23200 UGOLEV, B. N. Thermoresistant elastic moisture-proof coating for lumber. 4 p. (TT 66-51095) Transl. 16309
To prevent butt ends from cracking during seasoning.
Translation from *Derevoobrabatvayushchaya Promyshlennost'* 10:9-10. 1960. CFSTI: \$1.00.
- 23201 WHEARY, C. D. Consumer information on exterior paints and painting. Va. Polytech. Inst. Ext. Circ. 1028,10 p. Aug.1966. 275.29 V81C

Wood Preservation and Damage

- 23202 BELENKOV, D. A. Study of resistance of pine, birch and aspen wood to house fungi. (Rus) *Les. Zh.* 1:105-108. 1965. 99.8 I28
- 23203 BOIS, P. J., and ESLYN, W. E. Deterioration rates of willow and cottonwood during storage in Georgia. *Forest. Prod. J.* 16(11):17-22. Nov.1966. 99.9 F7662J
In *Populus deltoides* and *Salix nigra*, caused by fungi.
- 23204 CATTERICK, J. W., and GILLIES, G. B. Production control of brown stain. *Forest Prod. J.* 16(11):16. Nov.1966. 99.9 F7662J
With sodium azide and sodium fluorides.
- 23205 CECHE, M. Y. New treatment to prevent brown stain in white pine. *Forest Prod. J.* 16(11):23-27. Nov.1966. 99.9 F7662J
Pinus strobus and *P. monticola* lumber treated with sodium fluorides.
- 23206 CHYONG, D. K., and LEE, W. Y. Studies on durability of major timbers grown in Kangwon-do. (Ko) *Chunchon Nongkwa Taehak.* *Yon'gu Nonmunjip.* J. 1:46-50. July 1965. S19.C5
English summary.
- 23207 COWLING, E. B., and MERRILL, W. Nitrogen in wood and its role in wood deterioration. *Can. J. Bot.* 44(11):1539-1554. Ref. Nov.1966. 470 C16C
Caused by fungi.
- 23209 FOUGEROUSSÉ, M. Essais de champ sous différents climats de quelques produits de préservation du bois [Field tests of some wood preservatives under different climates]. I. Nogent-sur-Marne. *Cent. Tech. Forest. Trop.* Note Tech. 6:83 p. 1966. 9t.9 N68N
English summary.
Pinus sylvestris, *Fagus sylvatica* and *Pycnanthus angolensis* in France and the Ivory Coast.
- 23209 HICKIN, N. E. Woodworm, dry rot, and the law. B. W. P. A. (Brit. Wood Preserv. Ass.) News Sheet 61:1-2. Apr.1966. 300.9 B77B
Chiefly on legal liability problems in housing.
- 23210 JAHRESBERICHTE über Holzschutz; Annual report on wood protection, 1957/58, edited by G. Becker and G. Theden. Berlin-Dahlem, 1965. 433 p. 300.8 J19
Text in German and English.
- 23211 KIRK, H. List of approved wood preservatives and fireproofing material from the German Office for Measuring and Material Testing [Deutsches Amt für Messwesen und Warenprüfung]. (Ge) *Holzindustrie* 19(9):258-261. Sept. 1966. 99.82 H742
- 23212 KLONOWSKI, T. Hydrophobing of boards made of shives and of chipboards. (Pol) *Przem. Drzewny* 16(6):209-210. June 1965. 99.82 P95
- 23213 KUNZELMANN, E. Chemical and physical susceptibility of various wood preservatives. (Ge) *Holzindustrie* 19(9):250-254. Sept.1966. 99.82 H742
- 23214 MERRILL, W., and COWLING, E. B. Role of nitrogen in wood deterioration; amounts and distribution of nitrogen in tree stems. *Can. J. Bot.* 44(11):1555-1580. Ref. Nov.1966. 470 C16C
- 23215 MODROW, H. Wood preservation and its importance for the national economy in time of perspective planning. (Ge) *Holzindustrie* 19(9):255-257. Sept.1966. 99.82 H742
- 23216 NASH-WORTHAM, J. Sooty bark on sycamore—a new occurrence on sawn timber. *Quart. J. Forest.* 60(4):331. Oct.1966. 99.8 Q2
Caused by *Cryptospora corticale*.
- 23217 POLUBOYARINOV, O. I. Use of radioactive isotopes for study of wood resistance to biological agencies. (Rus) *Les. Zh.* 1:101-104. 1965. 99.8 I28
Coniophora cerebella as test fungus.
- 23218 RISHDETH, J. Wood destroying fungi. *Irish Forest.* 23(1):14-21. Ref. Spring 1966. 99.8 Ir4
- 23219 SCHANEL, L. New method of cultivation of wood-decaying fungi. *Folia Microbiol.* 11(5): 408-410. 1966. 448.3 C332
Fomes marginatus.
- 23220 TEICHMAN, T., and others. An investigation of inorganic wood preservatives. I-II. *Holz-forschung* 20(4):125-130. Aug.1966. 99.8 H74
J. L. Monkman, M. Mahmud, and J. Leroux, joint authors.
- 23221 WARSZAW. SZKOLA GLOWNA GOSPODARS-TWA WIEJSKIEGO, ZAKLAD FITOPATOLOGII LESNEJ I KONSERWAJCI DREWNA. 4th Symposium on wood preservation. (Pol) *Przem. Drzewny* 17(9):26-28. Sept.1966. 99.82 P95
Abstracts of papers.
- 23222 WAZNY, J., and WYTWER, T. Determination of the concentration of the solutions of the salt fungicidal preparations by the areometric method. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo* 8:115-123. 1966. 99.9 W262
English summary.
Wood decay control.

Lumber and Rough Products

- 23223 ARO, P. Timber scaling problems connected with barking. *Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:503-506.* 1966. 99.9 F73Fe
Logs.

- 23224 BOOTH, H. E. Machine grading of hardwood. Forest Timber 4(1):12-17. Aug.1966. 99.8 F7634
- 23225 CASIN, R. F. Some pointers in buying kiln-dried lumber. Lumberman [Manila] 12(4):12. June/July 1966. 99.81 L9793
- 23226 CICHMINSKI, L. Log grading in Finnish sawmills. (Pol) Przem. Drzewny 17(10):7-11. Oct. 1966. 99.82 P95
- 23227 CIHR, H. E. From the practice of stacked wood bundling. (Ge) Deut. Forstmann [Dusseldorf] 6(10):13-15. Oct.1966. 99.8 H486
- 23228 HANCZEWSKI, A. Packaging of lumber for export. (Pol) Przem. Drzewny 17(6):12-14. June 1966. 99.82 P95
- 23229 HILBRAND, H. C., and MILLER, D. G. Machine grading—theory and practice. I. Forest Prod. J. 16(11):28-34. Ref. Nov.1966. 99.9 F7662J
- 23230 KORCZEWSKI, A. O. Investigation on the appropriateness of lumber edgings in the production of hardwood blanks. (Pol) Przem. Drzewny 17(6):2-6. Ref. June 1966. 99.82 P95
- 23231 KUBLER, R. A new method for preventing splitting of beech stem log. (Ge) Wald Holz 48(2):53-55. Oct.1966. 99.8 W14
- 23232 MORTENSEN, J. O. Quality grading of sawn Danish Norway spruce. (Da) (Extr.) Dansk Skovfor. Tidsskr. 51(10):473-491. Ref. Oct. 1966. 99.8 D23
- 23233 THE NORTHWESTERN Iowa 1966—1967 dealer reference manual. Minneapolis, Northwestern Lumbermen Association, 1966. 148 p. 225 N8123
- 23234 PFNORR and HECKEMANN. Utilization of spruce logs. (Ge) Forst- Holzwirt 21(19):417-424. Oct.8,1966. 99.8 F7724
- 23235 RAJCAN, J. Possibilities of application of mathematical and statistical methods of quality regulation in our industry. I. (Pol) Przem. Drzewny 17(8):20-23. Aug.1966. 99.82 P95
- 23236 RAJCAN, J. Possibilities of application of mathematical and statistical methods of quality regulation in our industry. II. (Pol) Przem. Drzewny 17(9):21-24. Sept.1966. 99.82 P95
- 23237 ROMAN, J. Securing the quality of exported sawmill materials in the USSR. (Pol) Przem. Drzewny 16(7):250-251. July 1965. 99.82 P95
- 23238 ROMAN, J. Shipping of bundled lumber. (Pol) Przem. Drzewny 17(3):5-6. Mar.1966. 99.82 P95
- 23239 SZABLOWSKI, W. Using packets increases the lucrativeness of sawmill materials export. (Pol) Przem. Drzewny 16(7):245-247. July 1965. 99.82 P95
- 23240 TATAR, A. The conversion of oak roundwood in Swedish sawmills. (Pol) Przem. Drzewny 17(4):5-6. Apr.1966. 99.82 P95
- 23241 THOMPSON, R. D., and RATHBUN, H. F. Markets available for Minnesota aspen lumber. Minn. Forest. Notes 172,2 p. July 15,1966. 99.8 M662
- Construction
- 23242 MASANI, N. J. Economical roof truss designs through modern timber engineering. Dehra Dun. Forest Res. Inst. Indian Forest Leaflet. 177,12 p. 1965. 99.9 F768
- 23243 POSKROBKOW, S. Once more about drying of oak parquetry strips. (Pol) Przem. Drzewny 16(9):343-344. Sept.1965. 99.82 P95
- 23244 RODDA, E. D., SUDDARTH, S. K., and DALE, A. C. Analysis of wood trusses with nailed metal-plate joints. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):411-416. Ref. 1966. 290.9 Am32T
- Veneers, Plywood, and Adhesives
- 23245 ALLUM, J. Small log peeling and continuous overlaying of lumber. Northwest Wood Prod. Cln. Proc., 21st Annu. Meeting:103-104. 1966. 99.9 Sp6
- In relation to plywood manufacture.
- 23246 BACKOVIC, M. The interrelation between viscosity, concentration and the strength of gluing of some polyvinyl acetate adhesives. (Se) Pregled 3(1):1-6. Mar.1966. 99.9 P91
- English summary.
- 23247 BACKOVIC, M. Study of the montage gluing of boards from solid beech wood. (Se) Pregled 2(3):33-47. Sept.1965. 99.9 P91
- German summary.
- 23248 BAVEL'SKII, M. D. The hydraulic clamping mechanism of a rotary veneer peeler. (Rus) Les. Zh. 1:27-134. 1965. 99.8 I28
- 23249 BIBLIS, E. J. Design considerations for laminated wood beams composed of two species. Yale Univ. Sch. Forest. Tech. Rep. 34:39-51. July 1966. 99.9 Y1Tr
- 23250 BONNICKSEN, L. W. Structural reliability of vertically laminated wood beams. Diss. Abstr., Sect. B, 27(2):451B. Aug.1966. Z5055.U49D53
- 23251 FIDYK, S., and IDZIKOWSKI, R. Need for renewing Polish standards for veneer. (Pol) Przem. Drzewny 17(8):8-11. Aug.1966. 99.82 P95
- 23252 KANASHKIN, I. A., and ONISHCHENKO, Z. A. Lining material on the basis of microveneer. 3 p. (TT 66-51097) Transl. 16233
- Translation from Derevoobrabatvayushchaya Promyshlennost' 10(8):11-12. 1961. CFSTI: \$1.00.
- 23253 KORZENIOWSKI, A., and MATEJAK, M. Study on the possibilities of application of dielectric heating in gluing laminated wood members. (Pol) Przem. Drzewny 17(9):4-7. Ref. Sept. 1966. 99.82 P95
- 23254 KREISBERG, J. From ornamental wood plaques to modern veneer production. (Pol) Przem. Drzewny 17(8):26-29. Aug.1966. 99.82 P95
- 23255 POUND, J. Glue spreading for RF heating. Wood [London] 31(10):53-55. Oct.1966. 99.82 W855
- 23256 WALTER, F. Stability of adhesives and processed-wood materials and the perspectives for research in this field. 10 p. Transl. 16298
- Translation from Perspektivy Zakladneho Vyskuma Dreva 12(3/6):297-305. 1963.
- 23257 ZIN, A. Factors determining the use of veneer wood. (Pol) Przem. Drzewny 16(5):184-187. May 1965. 99.82 P95
- Furniture
- 23258 BACIA, K. The role of furniture industry in the present Polish national economy. I. (Pol) Przem. Drzewny 16(8):290-293. Aug.1965. 99.82 P95
- 23259 BACIA, K. The role of furniture industry in present Polish national economy. II. (Pol) Przem. Drzewny 16(9):323-326, map. Sept. 1965. 99.82 P95
- 23260 BACIA, K. The role of furniture industry in the present Polish national economy. III. (Pol) Przem. Drzewny 16(10):382-384. Oct.1965. 99.82 P95
- 23261 HABEL, K. L. Finishing wood furniture. Va. Polytech. Inst. Ext. Circ. 946, rev., 13 p. July 1966. 275.29 V81C
- 23262 RODGERS, A. D. Refinishing furniture. Ga. Univ. Ext. Bull. 646, 19 p. June 1965. 275.29 G29B
- Wood furniture
- 23263 SERWA, Z. Optimum radiuses of bending logs for furniture with false heartwood. (Pol) Przem. Drzewny 16(7):256-260. July 1965. 99.82 P95
- 23264 ZABEL, M. Finishing and refinishing wood furniture. Minn. Univ. Ext. Ext. Bull. 332, 5 p. 1966. 275.29 M66S
- Pulp and Paper
- 23265 AGARWAL, H. S. Certain papermaking qualities of sulphate pulps. Indian Pap. 21(2): 131,133-135. Ref. Aug.1966. 302.8 In23

- 23266 ALFTHAN, G. VON. The v. Alfthan shive analyzer as an instrument for characterizing the ease of pulp disintegration. *Pap. Puu* 48(9): 539-542. Ref. 1966. 302.8 P1991
- 23267 ASUNMAA, S. K., and SCHWAB, D. W. Aspen holocellulose and morphology of interfiber bonding—an electron microscope study. *Advances, Sci. Seminar Cell. Ultrastruct. Woody Plants, Proc.* 1964:573-593. Ref. 1965. 451 Ad9
- 23268 BOURDO, E. A. Program to instruct under-positioned pulpwood workers. *Amer. Pulpwood Ass. Tech. Pap.*, Oct. 1966:18-19. 99.9 Am33Te
- 23269 CANADIAN PULP AND PAPER ASSOCIATION. WOODLANDS SECT. Forty-seventh annual meeting, proceedings, March 16-18, 1965. *Woodlands Sect. Index* 2329(H-2), 27 p. 1965. 99.8 W855
- 23270 CARLSON, B. The manufacture of whole wood fiber. *Northwest Wood Prod. Clin. Proc.*, 21st Annu. Meeting:47-53. 1966. 99.9 Sp6
Groundwood pulp.
- 23271 EKMAN, K. H. Retention by lignins of sulphur from sulphate liquors. *Pap. Puu* 48(9):575-578, 574. Ref. 1966. 302.8 P1991
- 23272 FOLGELBERG, B. C. On the use of isotopes in the Finnish Pulp and Paper Research Institute [Teollisuuden Keskuslaboratorium]. (Ge) *Pap. Puu* 48(9):479-482. 1966. 302.8 P1991
English summary.
Pulp tests.
- 23273 FORSS, K., FREMER, K. E., and STENLUND, B. Spruce lignin and its reactions in sulfite cooking. I. The structure of lignin. *Pap. Puu* 48(9):565-574. Ref. 1966. 302.8 P1991
- 23274 FREEDMAN, H. A new approach to pulp moisture determination. *Pap. Trade J.* 150(51):40-43. Dec. 19, 1966. 302.8 P196
- 23275 GUHA, S. R. D., and PANT, P. C. Sulphate pulping of *Phyllostachys bambusoides*. *Indian Forest.* 92(7):467-468. July 1966. 99.8 In2
- 23276 HOLM, B. Documentation Service and Library at the Finnish Pulp and Paper Research Institute [Teollisuuden Keskuslaboratorium]. *Pap. Puu* 48(9):525-527. 1966. 302.8 P1991
- 23277 JENSEN, W. The Finnish Pulp and Paper Research Institute [Teollisuuden Keskuslaboratorium] retrospect and future. *Pap. Puu* 48(9): 435-442. 1966. 302.8 P1991
- 23278 JOHNSON, S., and SAMUELSON, O. Uronic acids in hemicellulose dissolved during the sulfite cooking of spruce. *Svensk Papperstidn.* 69(19):664-670. Ref. Oct. 15, 1966. 302.8 Sv2
- 23279 KRINGLEBOTTEN, J. Forestry and the forest industry at the crossroads. (No) *Skogelæren* 5:16-17, 55. May 1966. 99.81 Sk5
Prices of pulpwood in relation to pulp prices.
- 23280 LAING, A. Pulp and paper industry—Canada's giant. *Pulp Pap. Mag. Can.* 67(11):86-87. Nov. 1966. 302.8 P96
- 23281 LUHDE, F. Low-energy refiner pulp production by two-stage high-consistency refining with interstage screening. *Pulp Pap. Mag. Can.* 67(11):T509-T518. Nov. 1966. 302.8 P96
Mechanical pulp.
- 23282 NOLAN, W. J. Pre-impregnation and high liquor ratios in kraft pulping. *Pap. Trade J.* 150(48):56. Nov. 28, 1966. 302.8 P196
- 23283 OSBORNE, G. W. Realities of future market demand in relation to mill expansion. *Pulp Pap. Mag. Can.* 67(9):99-102. Sept. 1966. 302.8 P96
Pulp production.
- 23284 PACKMAN, D. F. Pulping of British-grown softwoods. II. Preliminary studies on Japanese larch (*Larix leptolepis*). *Holzforschung* 20(4): 110-113. Aug. 1966. 99.8 H74
- 23285 PALENIUS, I. International standardization of pulp testing methods. (Sw) *Pap. Puu* 48(9): 475-478, 482. 1966. 302.8 P1991
English summary.
- 23286 PRAKASH, V., and BIHANI, B. L. Some interesting experiences in Swedish pulp and paper industry. *Indian Pulp Pap.* 21(3):205, 207-209. Sept. 1966. 302.8 In23
Processing of semichemical pulp.
- 23287 SCHMIDT, J. Use of peroxides in pulp bleaching. (It) *Cell. Carta* 17(9):7-21. Ref. Sept. 1966. 302.9 En8
English summary.
- 23288 SEMANA, J. A. The relation between the pulp and paper industry & other forest industries. *Lumberman* [Manila] 12(4):42-44. Ref. June/July 1966. 99.81 L9793
- 23289 SERLACHIUS, E. The Finnish Pulp and Paper Research Institute [Teollisuuden Keskuslaboratorium], 50th anniversary. *Pap. Puu* 48(9): 433. 1966. 302.8 P1991
- 23290 SIHTOLA, H. Present trends in the laboratory testing of dissolving pulps. *Pap. Puu* 48(9): 443-446. 1966. 302.8 P1991
- 23291 SLAVYANSKI, A. K., and KOPOSOVA, A. V. Producing cardboard from sulfate pulp from "brown wood." (Rus) *Les. Zh.* 1:135-137. 1965. 99.8 Iz8
Birch wood.
- 23292 SPIEGELBERG, H. L. The effect of hemicelluloses on the mechanical properties of individual pulp fibers. *Diss. Abstr.*, Sect. B, 27(2):378B-379B. Aug. 1966. Z5055.049D53
- 23293 SPIEGELBERG, H. L. The effect of hemicelluloses on the mechanical properties of individual pulp fibers. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(9):388-396. Ref. Sept. 1966. 302.8 T162
Pinus palustris.
- 23294 TANNY, G., and INGRUBER, O. V. The application of potentiometry to the determination of total and combined SO_2 in sulphite liquors. *Pulp Pap. Mag. Can.* 67(9):T407-T413. Ref. Sept. 1966. 302.8 P96
- 23295 TECHNICAL Association charters Ark-La-Tex Section. *Southern Pulp Pap. Manufacturer* 29(11):73, 77-78. Nov. 10, 1966. 302.8 S88
- 23296 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. 1966-1967 yearbook. New York, 1966. 200 p. 302 T22
- 23297 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. 20th alkaline and sulfite pulping conference, held in Richmond, Va., Sept. 14-16, 1966. *Southern Pulp Pap. Manufacturer* 29(11):60-61, 64, 66, 68-70, 72. Nov. 10, 1966. 302.8 S88
Summary of papers presented.
- 23298 VIRKOLA, N. E. Aspects on the relation between yield and quality of pulp prepared by different pulping method. (Fi) *Pap. Puu* 48(9): 483-486, 488-491, 493-495, 518. 1966. 302.8 P1991
English summary.
- 23299 ZIVNUSKA, J. A. Some economic aspects of pulpwood supply. *Amer. Pulpwood Ass. Tech. Pap.*, Oct. 1966:11-13. 99.9 Am33Te

Chemical Products and Distillates

- 23300 ABRAMOVITCH, R. A., and KOLEOSO, O. A. Some steam-volatile components of the extractives from *Populus tremuloides* heartwood. *Can. J. Chem.* 44(23):2913-2915. Dec. 1, 1966. 470 C16B
- 23301 KAHILA, S. On the extractives of birch wood. (Fi) *Pap. Puu* 48(9):529-532, 534. Ref. 1966. 302.8 P1991
English summary.
- 23302 PROKHORCHUK, T. I., and LYAMIN, V. A. Characteristics of pyroglutamic acid obtained during gasification of sprucewood chips of different moisture content. (Rus) *Les. Zh.* 1: 148-156. 1965. 99.8 Iz8
- 23303 PURI, B. R., ANAND, S. C., and SANDLE, N. K. Chemisorption of oxygen by charcoal at different pressures. *Indian J. Chem.* 4(7):310-314. Ref. July 1966. 385 In294
- 23304 STEPHEM, A. M., and others. Application of gas-liquid chromatography to the structural investigation of polysaccharides. I. The structures of the gums of *Virgilia oroboides* and of *Agave americana*. *Tetrahedron* 9: 7233-240. Ref. 1966. 382 T29
M. Kaplan, G. L. Taylor, and E. C. Leising, joint authors.

Naval Stores

- 23305 MEYER, H. L. The worldwide naval stores picture. Amer. Paint J. 51(23):69,72-74. Nov.28,1966. 306.8 Am32
- 23306 TOKER, R. Resin yields of *Pinus brutia* Tenore in Turkey and their relation to site and tapping method. (Ge) Allg. Forst- Jagdzeitung 137(11):261-267. Nov.1966. 99.8 AL3 English summary.
- 23307 ZANDERSONS, J. Pathological effect of sulfuric acid on the resin-bearing system of the sapwood of tar-painted pines. (Rus) Latv. PSR Zinat. Akad. Vestis 5:60-68. Ref. 1966. 511 R442
- 23309 ZANDERSONS, J., CAKARS, E., and PUTNIS, E. The resinousness of tapped pine stump wood. (Rus) Latv. PSR Zinat. Akad. Vestis 8:55-59. Ref. 1966. 511 R442 English summary.

Other Forest Products

- 23309 BEEHAN, W. H. Portable barker chippers. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting:15-18. 1966. 99.9 Sp6
- 23310 BOX, B. H., and BEECH, L. C. Excessive dryness in Arizona cypress Christmas trees can be prevented. LSU (La. State Univ.) Forest. Notes 68,2 p. Aug.1966. 99.8 L93
- 23311 BOX, B. H., and LINNARTZ, N. E. Needle retention of five species of Christmas trees. LSU (La. State Univ.) Forest. Notes 67,2 p. Aug.1966. 99.8 L93
- 23312 BROWN, F. L., KENAGA, D. L., and GOOCH, R. M. Impregnation to control dimensional stability of particleboard and fiberboard. Forest Prod. J. 16(11):45-53. Ref. Nov.1966. 99.9 F7662J
- 23313 FIDYK, S. The extruded chipboard in the furniture industry. (Pol) Przem. Drzewny 16(5):173-183. May 1965. 99.82 P95
- 23314 FORSLAD, L. H. Outside chip storage. 17 p. Transl. 16223 Translation from Papper och Tra 47(8):455-462. 1965.
- 23315 GARCIA, F. S. Properties of material for the preparation of glues to be used in the manufacture of particle boards. (Sp) Montes 22 (127):55-58. Jan./Feb.1966. 99.8 M763 Urea-formaldehyde.
- 23316 GRAJ, L. Solidness of glue in fiberboard. (Pol) Przem. Drzewny 16(7):251-253. July 1965. 99.82 P95
- 23317 JANSON, A. L., and KACZAN, W. F. Testing of strength of particle board joints. (Pol) Przem. Drzewny 17(2):28-30. Feb.1966. 99.82 P95
- 23319 KUBIS, T. Application of mathematical methods in determining optimal sites for fiberboard production plants. (Pol) Przem. Drzewny 16 (10):376-379, map. Oct.1965. 99.82 P95
- 23319 KUBIS, T. Some methods of determination of production possibilities of industrial works on the basis of fiberboard works. (Pol) Przem. Drzewny 17(8):1-4. Aug.1966. 99.82 P95
- 23320 KUTYLIA, J. Effect of gamma rays on particle board material. (Pol) Przem. Drzewny 17(6):25-26. June 1966. 99.82 P95
- 23321 MALANOWICZ, J., and GANTNER, S. Disposition of wood waste in building joinery trade. (Pol) Przem. Drzewny 16(11):425-427. Nov. 1965. 99.82 P95
- 23322 MICHALSKI, W. Rumanian industry of hardboard refining. (Pol) Przem. Drzewny 17(7):10-13. July 1966. 99.82 P95
- 23323 PAHLITZSCH, G., and SOMMER, I. Production of wood chips with a cylinder-type chipping machine. 35 p. Ref. Transl. 16250 Translation from Holz als Roh- und Werkstoff 23(10):403-412. Oct.1965.
- 23324 RUSKA, L. Some problems on the application of moisture measuring with drying out method in particle board and hemp silver board manufacture. (Hu) Faipar 16(9):279-282. Sept. 1966. 99.82 F14
- 23325 SLIWICZYNSKI, J. The problem of introducing so-called dry method of production to the fiberboard industry. I. (Pol) Przem. Drzewny 17(4):3-5. Apr.1966. 99.82 P95
- 23326 SLIWICZYNSKI, J. The problem of introducing so-called dry method of production to the fiberboard industry. II. (Pol) Przem. Drzewny 17(6):17-18. June 1966. 99.82 P95
- 23327 TROCKE, J. K. Marketing Christmas trees. Mich. State Univ. Ext. Bull. 535,13 p., map. Ref. Aug.1966. 275.29 M58B
- 23329 WALTER, S., and JASIOROWSKI, K. Effect of sawdust fraction rate on the properties of extruded particle board. (Pol) Przem. Drzewny 17(6):15-16. June 1966. 99.82 P95
- 23329 WALTHER, S., and KRAJZER, D. Effect of the volume of planer shavings on the physical and mechanical properties of three-layer fiberboard. (Pol) Przem. Drzewny 16(10):379-382. Oct.1965. 99.82 P95
- 23330 ZENKER, R. On the quality of peeler-shavings to be processed in small particle board plant. I-II. (Ge) Holztechnologie 7(2):81-88; (3):201-206. Ref. May-Aug.1966. 99.8 H744 English summary.
- 23331 ZUKOWSKI, L. Measurement of line changes as index of size stability of hard fiberboards. (Pol) Przem. Drzewny 16(5):167-171. Ref. May 1965. 99.82 P95

SILVICULTURE

- 23332 ALDERMAN, O. A., and BYRD, J. M. Fifty-year-old white pine forest. Ohio Woodlands 5(1):16-17. Nov.1966/Jan.1967. 99.8 Oh34
- 23333 ANTONOV, I. S. Effect of groundwater depth on the growth of pine plantations. (Rus) Les. Zh. 1:13-16. 1965. 99.8 I28
- 23334 BELLON, S., and JAGIELLO, J. On the value for silviculture of the beech and oak understory trees grown under the canopy of the pine stand. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 8:7-25. 1966. 99.9 W262 English summary.
- 23335 BJORKMAN, E. Current biological problems in Swedish forestry. (Sw) Svenska Skogsvarsforen. Tidskr. 63(3):317-323. 1965. 99.8 Sk5 In relation to silvicultural practice.
- 23336 BOREK, J. A proper method for increasing resources and increment. (Pol) Las Polski 40 (20):7-9. Oct.16/31,1966. 99.8 L33
- 23337 BOUDRU, M. Ecological and cultural notes on Abies grandis Lindl. (Fr) Soc. Roy. Forest. Belg. Bull. 73(3):129-149. Ref. Mar. 1966. 99.9 B83
- 23338 BROKAW, F. C. Hybrid poplar hybrids. Ohio Woodlands 5(1):6. Nov.1966/Jan.1967. 99.8 Oh34
- 23339 CHILDS, B. H. Salvage of a windthrown forest. New Zeal. J. Forest. 11(1):66-81. 1966. 99.8 C162
- 23340 CLOUD, M. C. Growing and marketing black walnut in Texas. Tex. Forest Serv. Circ. 103, 10 p. Ref. Sept.1966. 99.9 T31C Juglans nigra culture and log marketing.
- 23341 EBERSOHN, J. P., and LUCAS, P. Trees and soil nutrients in south-western Queensland. Queensland J. Agr. Anim. Sci. 22(4):431-435. Dec.1965. 23 Q37 Eucalyptus populnea.
- 23342 ELSNER, F. Early larch plantings in Franconia. (Ge) Forstwiss. Centrbl. 85(9/10):268-274. Ref. Sept./Oct.1966. 99.8 F775
- 23343 FORDE, M. B. Pinus radiata in California. New Zeal. J. Forest. 11(1):20-42, map. Ref. 1966. 99.8 C162 Culture.
- 23344 GARELKOV, D., and others. Typological studies and measures for raising forest productivity in the District of Silistra. (Bu) Gorskostopanska Nauk. 3(4):259-283. Ref. 1966. 99.8 G683 M. Dakov, P. B. Petkov, K. Kostov, P. Kostov, V. N. Serafimov, and V. N. Vasilev, joint authors. English summary.

- 23345 GIFFARD, P. L. Gum-trees, *Acacia senegal*, and *Acacia laeta*. (Fr) Bois Forests Trop. 105: 21-32. Ref. Jan./Feb.1966. 99.8 B632
English summary.
Includes culture.
- 23346 GILDEMYN, H. Failure of culture in a poplar grove with moist soils. (Fr) Soc. Roy. Forest. Belg. Bull. 73(2):89-99. Feb.1966. 99.9 B83
- 23347 GOOR, C. P. VAN, and KOSTER, R. Pinus contorta in Eire. (Du) Ned. Bosbouw Tijdschr. 38(8):292-303. Aug.1966. 99.8 N28
English summary.
Culture.
- 23348 HAINES, L. W., and PRITCHETT, W. L. The effects of site preparation on the availability of soil nutrients and on slash pine [*Pinus elliotii* Engelm. var. *elliottii*] growth. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:356-364. Ref. 1965,pub.1966. 56.9 S032
- 23349 HASKELL, T. J. Pruning, repair, and removal. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.:29-39. 1966. 99.9 M586
- 23350 HEIL, K. Is loss of wood unavoidable in windfall conversion? (Ge) Forsttech. Inform. 11:84-86. Nov.1966. 99.8 F7794
- 23351 HEINSDORF, D. On the distribution of rootlets in various sandy soils under pine plantations. (Ge) Arch. Forstwesen 15(5/6):591-603. Ref. 1966. 99.8 Ar22
English summary.
- 23352 IZOTOV, V. F. Changes in groundwater level and soil moisture in some waterlogged types of forests in the Archangel Region. (Rus) Les. Zh. 1:50-54. 1965. 99.8 I28
- 23353 JAEGER, H. Mixed pine-spruce stands in Thuringia (notes contributory to the history of silviculture). (Ge) Arch. Forstwesen 15(5/6): 567-583. Ref. 1966. 99.8 Ar22
English summary.
- 23354 JAMBLINNE, A. DE, and OULTREMONT, C. E. D'. The culture of poplars in the valley of the River Oise. (Fr) Soc. Roy. Forest. Belg. Bull. 73(2):100-109. Feb.1966. 99.9 B83
- 23355 JURKOWSKI, F. The results of the culture of some woody species introduced into the experimental forests of the Warsaw Agricultural University [Szkola Główna Gospodarstwa Wiejskiego] at Rogów. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 8:27-51. Ref. 1966. 99.9 W262
English summary.
- 23356 KOSTOV, K., PALASHEV, I., and GEORGIEV, G. On the state and growth of oak plantations in southwest and northern Bulgaria. (Bu) Gorskostopanska Nauk. 3(4):297-312. Ref. 1966. 99.8 G683
English summary.
- 23357 KOWALKOWSKI, A. Dynamics of soil water reserves under oak stands of the Debina Forest District. 9 p. Ref. (TT 65-50319)
Transl. 16239
Translation from Roczniki Gleboznawcze 8(1): 67-78. 1963.
CFSTI: \$1.00.
- 23358 KUBASAK, E. Thinning and small woodlands. (Rus) Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:570-588. 1966. 99.9 F73Fe
English summary.
Czechoslovakia; includes barking.
- 23359 KWAN, W. Y. Poison-girdling under the Malayan uniform system. Malaysian Forest. 29(2): 69-77. Apr.1966. 99.8 M292
- 23360 LORIO, P. L., and GATHERUM, G. E. Growth of eastern cottonwood in relation to coal-spoil characteristics. Iowa State J. Sci. 41(1):41-53. Ref. Aug.1966. 470 I09
- 23361 LYON, A. B., and others. Growing Christmas trees in Virginia. Va. Polytech. Inst. Ext. Bull. 296,25 p. Aug.1966. 275.29 V81B
R. T. Marks, E. E. Rodger, and A. L. Jolly, joint authors.
- 23362 MEARS, A. D. Killing timber with picloram. Agr. Gaz. New S. Wales 77(9):544-547. Sept. 1966. 23 N472
- 23363 MEGALINSKII, P. N., and ORLOV, A. N. Effect of sycamore litter on certain chemical properties of the soil. (Rus) Les. Zh. 1:167-168. 1965. 99.8 I28
- 23364 MILEWSKI, J. Actual problems in plantation culture of poplar. (Pol) Les Polski 40(20):15-16. Oct.16/31,1966. 99.8 L33
- 23365 MOULDS, F. R. Ecology and silviculture of *Pinus radiata* (Don) in California and in southern Australia. Diss. Abstr., Sect. B, 27(3): 659B-660B. Sept.1966. Z5055,U49D53
- 23366 MULOCK, E. N. Thinning in older second growth Douglas fir stands in British Columbia. Pacific Logging Congr. Loggers Handbook 26 (sect.1):15-18. 1966. 99.76 P112La
- 23367 NARTOV, P. S. The work of disk colters in forest plows. (Rus) Les. Zh. 1:21-26. 1965. 99.8 I28
- 23368 NASTOR, M. The need for research studies in areas cut under selective logging. Lumberman [Manila] 12(4):20,22. June/July 1966. 99.81 L9793
- 23369 NELSON, D. E., and IRVING, F. D. The effects of fuel oil applications on the summer burning of jack pine slash. Minn. Forest. Notes 174,2 p. July 15,1966. 99.8 M662
- 23370 PRATT, R. H. M. Aerial spraying with 2,4-D to eliminate trembling aspen. Pulp Pap. Mag. Can. 67(9):WR460-WR462. Ref. Sept.1966. 302.8 P96
Populus tremuloides.
- 23371 PURNELL, E. V. J. The early tending of radiata pine regeneration. New Zeal. J. Forest. 11(1):82-87. 1966. 99.8 C162
Thinning and pruning.
- 23372 PYATETSKII, G. E. Effectiveness of draining boggy spruce forests in southern Karelia. (Rus) Les. Zh. 1:27-33. 1965. 99.8 I28
Effect of increment.
- 23373 PYMAN, A. G. Chemicals in forestry a look into the future. Quart. J. Forest. 60(4):276-281. Oct.1966. 99.8 Q2
- 23374 RAMBELLI, A. Study of inoculation of mycorrhiza of *Pinus radiata*. (Fr) Inst. Pasteur. Ann. 11(13,sup.):303-306. Sept.1966. 443.3 An75
- 23375 RUIZ-DANA-LARRARTE, J. M. Care of pine stands of *Pinus pinaster* Sol. in the Coruna Province. (Sp) Montes 22(127):27-34. Jan./Feb.1966. 99.8 M763
Includes pruning and thinning.
- 23376 SAD, B. Culture and light requirement of Robinia seedling. (Hu) Erdo 15(9):420-423. Sept.1966. 99.8 Er22
- 23377 SCHALIN, I. *Alnus incana* (L.) Moench in forestry practice. (Fi) Metsataloudellinen Aikakauslehti 83(9):362-366,370. Ref. Sept. 1966. 99.9 F49
English summary.
Includes study on the economy of nitrogen produced on the nitrogen economy of soil.
- 23378 SCHUBERT, R. G. Doubtful cultivation methods. (Ge) Forst- Holzwirt 21(18):403-404. Sept.23,1966. 99.8 F7724
- 23379 SIREN, G. Raw material supply for the forest industry in relation to modern silviculture in Finland. (Sw) Svenska Skogsguardsforen. Tidsskr. 63(3):299-311. 1965. 99.8 Sk5
- 23380 SKOG, R. E., and DAY, M. W. Cutting practices for conifer swamps and upland spruce-balsam fir in northern Michigan. Mich. State Univ. Ext. Bull. 526,14 p. Sept.1966. 275.29 M58B
- 23381 TOTH, B. Possibilities for poplar culture on the plains of Szatmar-Bereg. (Hu) Erdo 15 (9):423-426. Sept.1966. 99.8 Er22
- 23382 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Removing undesirable trees from hardwood stands; a literature review, by R. D. Lindmark. Columbus, Ohio, 1965. 23 p. aSD396.5.L5
- 23383 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Silvics of European alder [*Alnus glutinosa*], by D. T. Funk. Columbus, Ohio, 1965. 21 p.,map. Ref. aSD397.A4F8

- 23384 VAN PUTTEN, G. Tree watering and fertilization practices. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.:43-45. 1966. 99.9 M586
- 23385 WLOCZEWSKI, T. General principles of stand rebuilding as a foundation of forest site improvement. (Pol) Sylwan 110(8):11-20. Ref. Aug. 1966. 99.8 Sy52
English summary.
- 23386 YOUNG, N. D. A study of various methods and herbicides in Eucalyptus [dichromopholia] re-gerbich control. Queensland J. Agr. Anim. Sci. 22(4):423-430. Dec. 1965. 23 Q37
- 23387 ZAHNER, R., and HEDRICH, D. R. Moisture release characteristics of forested sand entils in northern lower Michigan. Soil Sci. Soc. Amer. Proc. 30(5):646-649. Sept./Oct. 1966. 56.9 S03
- 23388 ZAJACKOWSKI, K. Fraxinus americana L. — a valuable species. (Pol) Sylwan 110(7):37-46, map. Ref. July 1966. 99.8 Sy52
English summary.
- 23389 ZHILKIN, B. D., and RIKHTER, I. E. Effect of Lupinus polyphylus Lindl. on biological cycle in young Pinus sylvestris L. stands. (Rus) Les. Zh. 1:6-12. 1965. 99.8 Iz8
- Regeneration
- 23390 ANGIOLINI, D. A new reforestation perimeter in the environs of Pesaro. (It) Gaz. Com. 19 (8):8-9. Aug. 1966. 280.8 G253
- 23391 AYLING, A. Y. Mechanized tree planting. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.:72-76. 1966. 99.9 M586
- 23392 BARBER, J. C. A progress report on forest genetics. Amer. Pulpwood Ass. Tech. Pap., Oct. 1966:4.6. 99.9 Am33Te
- 23393 BAUMGARTNER, O. The present status and problems in the Fylsch reforestation area of the 7th forest district in Bern Canton. (Ge) Schweiz. Z. Forstwesen 117(10):694-705. Oct. 1966. 99.8 J82
French summary.
- 23394 BURNS, R. M., and MCREYNOLDS, R. D. Clustered sand pine cones. J. Forest. 64(12): 812-813. Dec. 1966. 99.8 F768
- 23395 CALLAHAM, R. Z. Tree breeding for pest resistance. Forest Farmer 26(2):25-26, 34. Nov. 1966. 99.8 F7692
- 23396 CEPPL, J. Some considerations in the reforestation undertaken in Fribourg at the catchment basin of Holbach, Gerine and Singine. (Fr) Schweiz. Z. Forstwesen 117(10):691-693. Oct. 1966. 99.8 J82
- 23397 CLARK, F. B. Planting black walnut for timber. U. S. D. A. Leaflet. 487, rev. 8 p., map. Sept. 1966. 1 Ag84L
- 23398 COLE, D. E. What the tree improvement and genetics program means to timberland owners. Forest Farmer 26(2):17-19. Nov. 1966. 99.8 F7692
- 23399 DORMAN, K. W. We can double the volume of slash pine growth; selection in slash pine brings marked improvement in diameter and height growth, plus rust resistance. Forest Farmer 26(2):22-23. Nov. 1966. 99.8 F7692
- 23400 DUSEK, V. Experiments with the Dunemann method of growing seedlings and results of studies of pruning roots of seedlings in the Czechoslovakia. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1553-1561. 1965. 509 D81
- 23401 FYSTRO, I. The seed supply is one of the problems in Norwegian forestry. (No) Norsk Landbruk 11:16-17, 33. June 3, 1966. 11 N8122
Spruce and Scotch pine.
- 23402 GODDARD, R. E., and STRICKLAND, R. K. Cooperative forest genetics research program 8th progress report, July, 1966. Fla. Univ. Sch. Forest. Res. Rep. 12, 17 p. 1966. 99.9 F684
Breeding.
- 23403 GOMEZ, J. T. Twenty years of reforestation. (Sp) Montes 22(127):3-6. Jan./Feb. 1966. 99.8 M763
- 23404 GREENE, J. T. Selection for tracheid length in loblolly pine (Pinus taeda L.). Diss. Abstr., Sect. B, 27(3):659B. Sept. 1966. Z5055.U49D53
- 23405 HATCHELL, G. E. Loblolly pine direct seeding in the lower Piedmont of Georgia. Ga. Forest Res. Council. Ga. Forest Res. Pap. 40, 4 p. July 1966. 99.9 G299G
- 23406 ILLINGWORTH, K., and CLARK, M. B. Planting trials with ponderosa pine in British Columbia. Brit. Columbia. Forest Serv. Res. Notes 41, 34 p. Ref. 1966. 99.9 B771
- 23407 JOACHIM, H. F., and BORSCH, W. 5 years' of operations for identifying poplar varieties out of Central-, East-, and South Europe. (Ge) Arch. Forstwesen 15(5/6):605-609. Ref. 1966. 99.8 Ar22
English summary.
At the Institute for Forest Plant Breeding at Grupa Institut für Forstpflanzenzüchtung of the German Academy of Agricultural Sciences [Deutsche Akademie der Landwirtschaftswissenschaften].
- 23408 JOKELA, J. J., CULVER, L. B., and STEWART, C. A. Sources of Scotch pine [Pinus sylvestris] for Christmas tree plantations. Ill. Res. 8(4):12-13. Fall 1966. 100 IL64
- 23409 JONES, L. Storing pine seed: what are best moisture and temperature conditions? Ga. Forest Res. Council. Ga. Forest Res. Pap. 42, 8 p. July 1966. 99.9 G299G
- 23410 KASPRZYK, S. Swedish forests. 4. Seed plantations and forest nurseries. (Pol) Las Polski 40(20):18-20. Oct. 16/31, 1966. 99.8 L33
- 23411 KINGSBURY, R. A forest regenerates in a decade, Balmoral has grown again from ashes. T.D. A. (Timber Develop. Ass.) Bull. 2(7):3-5. Aug. 1966. 99.8 T48
- 23412 KLEMM, W. On the transport of xylem in coniferous wood grass, observed by means of radio-isotopes. (Ge) Arch. Forstwesen 15 (5/6):667-673. Ref. 1966. 99.8 Ar22
English summary.
- 23413 KORMANIK, P. P., and PORTERFIELD, E. J. Rooting yellow-poplar cuttings. Forest Farmer 26(2):24, 41-42. Nov. 1966. 99.8 F7692
- 23414 KOTYZA, F. Storage of tree seedlings in plastic bags. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1597-1599. 1965. 509 D81
Nurseries.
- 23415 KRIEBEL, H. B. Seed orchards promise better forest plantations. Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 50(5):67. Sept./Oct. 1965. 100 Oh3S
- 23416 KRYUCHKOV, V. V. The absolutely and relatively treeless tundra. (Rus) Moscow. Univ. Vestnik Ser. 5, Geogr. 2:109-113, map. Ref. Mar./Apr. 1966. 331.9 M65
Possibilities of afforestation.
- 23417 LARSEN, C. M. Improvement of poplars in relation to their cultural problems in the Western and Central Europe. (Fr) Soc. Roy. Forest. Belg. Bull. 73(2):110-117. Feb. 1966. 99.9 B83
Includes hybridization.
- 23418 LOFTING, E. C. L. Abies magnifica var. shastensis and its transitional form Abies procera. (Da) Dansk Skovfor. Tidsskr. 51(9): 445-461. Ref. Sept. 1966. 99.8 D23
Includes provenance trials in Denmark.
- 23419 MAINI, J. S., and HORTON, K. W. Vegetative propagation of Populus spp. I. Influence of temperature on formation and initial growth of aspen suckers. Can. J. Bot. 44(9):1183-1189. Ref. Sept. 1966. 470 Cl6C
Populus tremuloides.
- 23420 MALAKHOVETS, P. M., and ORLOV, F. B. Peculiarities of late spring direct sowings of pine and spruce in the Archangel Region. (Rus) Les. Zh. 1:47-49. 1965. 99.8 Iz8
- 23421 MECKLENBURG, R. A., and NAGEL, D. E. Transplanting trees. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.:22-28. 1966. 99.9 M586
- 23422 MESSER, H. Studies on the ripening of the seeds of the European larch (Larix decidua Mill.). (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Forschungsergeb. Forstung Forstl. Erzeug. 5:21-29. 1966. 99.34 G31
English summary, p. 70-71.

- 23423 NERINCX, E. Planting with big spacing. (Fr) Soc. Roy. Forest. Belg. Bull. 73(8/9):369-374. Aug./Sept. 1966. 99.9 B83
Coniferae.
- 23424 PONCELET, J. Douglas stands. (Fr) Soc. Roy. Forest. Belg. Bull. 73(6):279-284. June 1966. 99.9 B83
Planting of Douglas firs.
- 23425 PONCELET, J. Transformation of spruce stands. (Fr) Soc. Roy. Forest. Belg. Bull. 73(8):150-162. Mar. 1966. 99.9 B83
Reforestation and regeneration of disease-infected forest areas.
- 23426 ROBAK, H. Selection of trees for reforestation at Vestlandet. (No) Norsk Skogbruk 11(13/14):406-408. July 1965. 99.8 N815
- 23427 RUARK, H. E., and JONES, R. W. Seed certification: where we stand. Forest Farmer 26(2):20-21, 36-37. Nov. 1966. 99.8 F7692
- 23428 SANDVIK, M. From nursery bed to planting hole. (No) Svenska Skogsvarvsforen. Tidskr. 63(3):287-297. 1965. 99.8 Sk5
Norway spruce.
- 23429 SEAL, D. T., MATTHEWS, J. D., and WHEELER, R. T. Collection of cones from standing trees. Great Brit. Forest. Comm. Forest Rec. 39, rev., 39 p. 1965. 99.9 G795Fo
Coniferae.
- 23430 TELMINSKI, H. Reforestation according to the Specht method in East Germany. (Pol) Las Polski 40(19):16-17. Oct. 1/15, 1966. 99.8 L33
- 23431 TOTH, I. Renewal of Robinia stands on sandy soils. (Hu) Erdő 15(9):394-397. Sept. 1966. 99.8 Er22
German summary.
- 23432 VALTANEN, J. Some observations on pine cultures in clear-cutting areas of different sizes. (Fi) Metsätaloudellinen Aikakauslehti 83(9):344-347, 373. Sept. 1966. 99.9 F49
English summary.
- 23433 WAGENKNECHT, E. Interrelation between the planting material and cultural methods of growth. (Ge) Dresden. Tech. Univ. Wiss. Z. 14(6):1619-1622. 1965. 509 D81
Forest trees.
- 23434 WEBER, E. The breeding and cultivation of willow-trees in tree nurseries. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Forschungsergeb. Forderung Forstl. Erzeug. 5:5-15. 1966. 99.34 G31
English summary, p. 69-70.
- 23435 WELLS, O. O., and WAKELEY, P. C. South-wide pine seed source study in loblolly pine; the importance of seed sources. Forest Farmer 26(2):8-11, map. Nov. 1966. 99.8 F7692
- 23436 WYCHERLEY, P. R. Teak problems in north Thailand. Malayan Forest, 29(2):64-68. Apr. 1966. 99.8 M292
Silvicultural problem in natural regeneration.
- 23437 YEOM, F. B. C. The Forest Research Institute nursery. Malayan Forest, 29(2):87-96. Apr. 1966. 99.8 M292
At Kepong.
- 23438 ZHEREBTSOV, V. H. Significance of shrubs in afforestation of steppes. (Uk) Visnyk Sil's'ko-hospodar. Nauk. 6:73-75. June 1965. 20 V82
Russian summary.
- 23439 ZOBEL, B. Putting to use what we know. Forest Farmer 26(2):15-16, 42. Nov. 1966. 99.8 F7692
Genetics and breeding.
- 23442 BERGMANN, R. Industrial wood from overseas. 33. Patagonian Fitzroya from Chile. (Ge) Holztechnik 48(10):494. Oct. 1966. 99.8 H745
Properties of Fitzroya cupressoides wood.
- 23443 BERNHART, A. On the static and dynamic short time strength of spruce wood—absolute, related to density and under the influence of compression wood. (Ge) Forstwiss. Centralbl. 85(9/10):275-295. Ref. Sept./Oct. 1966. 99.8 F775
English summary.
- 23444 BRAUN, H. J. Structural and functional types of wood and wood rings. (Ge) Ver. Verbr. Naturwiss. Kenntnisse Wien. Schr. 105:27-60. Ref. 1964/65. 510 V672
- 23445 BRAZIER, J. D. Research on young plantation timber. Int. Ass. Wood Anat. News Bull. 2:9-16. 1966. 99.9 In824
Structural features.
- 23446 BURKART, L. F. Triethylene glycol as a wood tissue softener in preparation for microtome sectioning. Stain Technol. 41(5):255-259. Sept. 1966. 442.8 S11
Coniferae.
- 23447 COTE, W. A., and DAY, A. C. Anatomy and ultrastructure of reaction wood. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:391-418. Ref. 1965. 451 Ad9
- 23448 COWDREY, D. R., and PRESTON, R. D. The mechanical properties of plant cell walls: helical structure and Young's Modulus of air-dried xylem in Picea sitchensis. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:473-492. Ref. 1965. 451 Ad9
- 23449 COWLING, E. B. Microorganisms and microbial enzyme systems as selective tools in wood anatomy. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:341-368. Ref. 1965. 451 Ad9
Chiefly wood-destroying fungi.
- 23450 CRONSHAW, J. Cytoplasmic fine structure and cell wall development in differentiating xylem elements. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:99-124. Ref. 1965. 451 Ad9
Acer rubrum and Avena sativa.
- 23451 DENGLER, H. W. Say it with holly. Amer. Forests 72(12):1-3, 42-43. Dec. 1966. 99.8 F762
Chiefly on properties of wood.
- 23452 DIENER, R. G. Some mechanical properties of cherry bark and wood. Diss. Abstr., Sect. B, 27(4):1129B. Oct. 1966. Z5055. U49D53
- 23453 DIETL, A., and SCHWARZHANS, K. E. The bonding character of alkali cellulose. (Ge) Papier 20(10):609-615. Oct. 1966. 302.8 P1934
English summary.
- 23454 DINWOODIE, J. M. Induction of cell wall dislocations (slip planes) during the preparation of microscope sections of wood. Nature [London] 212(5061):525-527. Ref. Oct. 29, 1966. 472 N21
- 23455 ELLIS, E. L. Inorganic elements in wood. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:181-189. Ref. 1965. 451 Ad9
- 23456 ESAU, K. On the anatomy of the woody plant. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:35-50. Ref. 1965. 451 Ad9
- 23457 FAHMY, Y., and MANSOUR, O. On carboxymethylation of cellulose. II. Influence of the manner of addition of carboxymethylating chemicals, inert and non-inert solvents on the reaction rate in dissolving and non-dissolving carboxymethylation. Indian Pap. 21(2):143-145, 148-151. Aug. 1966. 302.8 In23
- 23458 GALLIGAN, W. L., and NOSKOWIAK, A. F. The piezoelectric effect in wood. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:535-537. 1965. 451 Ad9
- 23459 GARCIA-ALVAREZ, A. The blueness of the wood in Galicia. (Sp) Montes 22(129):273-274. May/June 1966. 99.8 M763

WOOD TECHNOLOGY

- 23440 ADVANCED SCIENCE SEMINAR ON CELLULAR ULTRASTRUCTURE OF WOODY PLANTS, UPPER SARANAC LAKE, NEW YORK, 1964. Cellular ultrastructure of woody plants, proceedings. Syracuse, New York Syracuse University Press, 1965. 603 p. 451 Ad9
- 23441 BANNAN, M. W. Spiral grain and anticlinal divisions in the cambium of conifers. Can. J. Bot. 44(11):1515-1538. Ref. Nov. 1966. 470 C16C

- 23460 GEL'FAND, E. D., and BOGOMOLOV, B. D. Non-aqueous titration of alkali salts of weak organic acids and of lignin. (Rus) Les. Zh. 1: 157-160. 1965. 99.8 Iz8
- 23461 GODERA, N. New curricula at the Departments of Timber Technology. I. (Pol) Przem. Drzewny 16(12):465-468. Dec.1965. 99.82 P95 Wydział Technologii Drewna at the Szkoła Główna Gospodarstwa Wiejskiego in Warsaw and at the Wyższa Szkoła Rolnicza in Poznań.
- 23462 GODERA, N. New curricula at the Departments of Timber Technology. II. (Pol) Przem. Drzewny 17(2):17-19. Feb.1966. 99.82 P95 Wydział Technologii Drewna at the Szkoła Główna Gospodarstwa Wiejskiego in Warsaw and at the Wyższa Szkoła Rolnicza in Poznań.
- 23463 GONET, B. Problems of resonance wood in Poland. (Pol) Przem. Drzewny 16(11):401-403. Nov.1965. 99.82 P95
- 23464 GORING, D. A. I. The structure of water in relation to the properties of wood constituents. Pulp Pap. Mag. Can. 67(11):T519-T524. Ref. Nov.1966. 302.8 P96
- 23465 GREGORY, A. S. The wood technologist—"ace in the hole" for industry. Wood Wood Prod. 71(11):27-28,41. Nov.1966. 99.82 W856
- 23466 HARADA, H. Ultrastructure and organization of gymnosperm cell walls. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:215-233. Ref. 1965. 451 Ad9 Chiefly in *Picea jezoensis*, *Pinus densiflora* and *Cryptomeria japonica*.
- 23467 HARADA, H. Ultrastructure of angiosperm vessels and ray parenchyma. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:235-249. Ref. 1965. 451 Ad9 *Fagus crenata*.
- 23468 HARRIS, J. M., and WHAKAREWAREWA, P. B. A method of minimising observer bias in measuring tracheid length. Roy. Microscop. Soc. J. 86(1):81-83. 1966. 440.9 R81J In wood.
- 23469 JURASEK, L. Changes in microscopic structure of wood decomposed by wood destroying fungi. 20 p. Ref. Transl. 16188 Translation from Dreversky Vyskum 3:127-141. 1964.
- 23470 KENNEDY, R. W., and FARRAR, J. L. Tracheid development in tilted seedlings. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:419-453. Ref. 1965. 451 Ad9 *Pinus banksiana* and *Larix laricina*.
- 23471 KINGSTON, R. S. T., and VON STIEGLER, A. E. Shrinkage and density of Australian and other woods. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 332, 4 p. Aug.1966. 99.9 Au722F
- 23472 KLEMM, W. Determination of the specific weight of wood by means of gamma rays. (Ge) Arch. Forstwesen 15(5/6):611-615. Ref. 1966. 99.8 Ar22
- 23473 KLOOT, H. Revised strength grouping system. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 324,4 p. Nov.1965. 99.9 Au722F Of structural timbers.
- 23474 KORAN, Z., and COTE, W. A. The ultrastructure of tyloses. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:319-333. 1965. 451 Ad9
- 23475 KRATZL, K. Lignin—its biochemistry and structure. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:157-180. Ref. 1965. 451 Ad9
- 23476 KREISBERG, J. The influence of tannins and other accompanying substances on the properties of tropical woods. (Pol) Przem. Drzewny 16(6):223-226. June 1965. 99.82 P95
- 23477 KREISBERG, J. Peculiarities in the form and structure of tropical trees. (Pol) Przem. Drzewny 17(1):24-28. Jan.1966. 99.82 P95
- 23478 LEE, W. Y. Study on water absorption by wood. (Kos.) Chunchon Nongkwa Taehak. Yongu Nonmunjip. J. 1:100-104. Ref. July 1965. S19.C5 English summary.
- 23479 LIESE, W. The fine structure of bordered pits in softwoods. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:271-290. Ref. 1965. 451 Ad9
- 23480 LIESE, W. The warty layer. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:251-269. Ref. 1965. 451 Ad9
- 23481 MARK, R. Tensile stress analysis of the cell walls of coniferous tracheids. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:493-533. Ref. 1965. 451 Ad9
- 23482 MCINTOSH, D. C. Wall structure of loblolly pine summerwood holocellulose fibers in relation to individual fiber strength. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:561-571. Ref. 1965. 451 Ad9
- 23483 MISLO, P. Study of the effect of the size of testing sample on the absorption and moist deformation during absorption. II. Free swelling in the moisture saturated air. (Se) Pregled 3(1):7-15. Mar.1966. 99.9 P91 German summary. Beech wood.
- 23484 MUHLETHALER, K. The fine structure of the cellulose microfibril. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:191-198. Ref. 1965. 451 Ad9
- 23485 THE NAIL withdrawal resistance of some Tanzania timbers. Tanzania Forest Div. Util. Sect. Tech. Note 37,2 p. Aug.1966. 99.9 T152T
- 23486 NECESANY, V. Changes in the vitality of parenchyma cells as a physiological base of heartwood formation. (Ge) Holzforsch. Holzverwertung 18(4):61-65. Ref. Aug.1966. 99.9 Os72 English summary.
- 23487 NIMZ, H. Lignin degradation by mild hydrolysis. (Ge) Holzforschung 20(4):105-109. Ref. Aug.1966. 99.8 H74 English summary.
- 23488 PAMFILOV, V. V. Increasing strength of wood against impact loads. (Rus) Les. Zh. 2:99-103. 1965. 99.8 Iz8
- 23489 PHILLIPS, E. W. J. The use of beta-particle radiation methods in timber research. Int. Ass. Wood Anat. News Bull. 2:17-28. Ref. 1966. 99.9 In824
- 23490 PHILLIPS, E. W. J. The Wood Structure Section at the Forest Products Research Laboratory Princes Risborough. Int. Ass. Wood Anat. News Bull. 2:1-3. 1966. 99.9 In824
- 23491 POLCIN, J. Mercuration of AS lignin. (Ge) Holzforschung 20(4):121-124. Ref. Aug.1966. 99.8 H74 English summary. With mercuric acetate.
- 23492 POLIQUIN, J. Changements morphologiques et physiologiques reliés à l'âge dans le bois de racine de *Pinus sylvestris* L. (Morphological and physiological changes related to age in the root wood of *Pinus sylvestris* L. Schweiz. Anst. Forstl. Versuchswesen 42(2):70-108. Ref. 1966. 99.9 Sch92 English summary. Tracheid measurement.
- 23493 PRESTEMON, D. R. The variation of heart stain and wood density in tanoak (*Litocarpus densiflorus* (Hook. and Arn.) Rehd.). Diss. Abstr., Sect. B, 27(3):660B. Sept.1966. Z5055.U49D53
- 23494 PRESTON, R. D. Interdisciplinary approaches to wood structure. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:1-31. Ref. 1965. 451 Ad9 Microscopy, X-rays and spectrophotometry in wood research.
- 23495 RAVEU, R., GROS, P., and BRIOT, M. Study of the sulfuric polyesters of "natural xylans" extracted from beech wood. 1. (Fr) Soc. Chim. France. Bull. 9:2744-2749. Ref. Sept. 1966. 383 P21B
- 23496 REALE, M. J. Studies on *Metasequoia* lignin. Diss. Abstr., Sect. B, 27(2):417B. Aug.1966. Z5055.U49D53

- 23497 RECK, S. The variation and covariation of some anatomic characteristics of wood and their relation to density in pine. 122 p. Ref. Transl. 16254
Translation from Bundesforschungsanstalt für Forst- und Holzwirtschaft, Mitteilungen 60, 120 p. Oct. 1965.
- 23498 SACHS, I. B. Evidence of lignin in the tertiary wall of certain wood cells. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:335-339. 1965. 451 Ad9
- 23499 SCHMID, R. The fine structure of pits in hardwoods. Advance Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:291-304. Ref. 1965. 451 Ad9
- 23500 SCHREUDER, H. R., COTE, W. A., and TIMELL, T. E. Studies on compression wood. 3. Isolation and characterization of a galactan from compression wood of red spruce [*Picea rubens* Sarg.]. Svensk Papperstidn. 69(19):641-657. Ref. Oct. 15, 1966. 302.8 Sv2
- 23501 SEKHAR, A. C., and SHARMA, R. R. Nails and screws holding power of some Indian timbers under dynamic conditions. Indian Forest. 92 (7):477-481. July 1966. 99.8 In2
- 23502 SHAFIZADEH, F., and NEARN, W. T. Composition of wood and the origin of its anisotropic properties. Mater. Res. Stand. 6(12):593-599. Ref. Dec. 1966. 290.8 M41
- 23503 SOCIETY OF WOOD SCIENCE AND TECHNOLOGY. Theses reflect current trends in research. Forest Prod. J. 16(11):54-61. Nov. 1966. 99.9 F7662J
- 23504 SRIVASTAVA, L. M. On the fine structure of the cambium of *Fraxinus americana* L. J. Cell Biol. 31(1):79-93. Ref. Oct. 1966. 442.8 J828
- 23505 STANLEY, R. G. Biosynthesis of cellulose outside the living tree. Forest Prod. J. 16(11):62-68. Ref. Nov. 1966. 99.9 F7662J
- 23506 STOKES, M. A., and SMILEY, T. L. Tree-ring dates from the Navajo Land Claim. III. The Southern Sector. Tree-Ring Bull. 27(3/4):2-11, map. Sept. 1966. 99.8 T13
- 23507 STRENGTH properties of meru cypress (*Cupressus lusitancia* Mill.) Tanzania Forest Div. Util. Sect. Tech. Note 36, 6 p. Aug. 1966. 99.9 T152T
- 23508 TIMELL, T. E. Wood and bark polysaccharides. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:127-156. Ref. 1965. 451 Ad9
- 23509 TOPPEL, O. Statistical identification and differentiation of conifer fibers. (Ge) Papier 20(10):593-606. Ref. Oct. 1966. 302.8 P1934 English summary.
- 23510 TSOUNIS, G. Light and electron microscopic evidence on the structure of the membrane of bordered pits in tracheids of conifers. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:305-317. Ref. 1965. 451 Ad9
- 23511 WARDROP, A. B. Cellular differentiation in xylem. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:61-97. Ref. 1965. 451 Ad9
- 23512 WARDROP, A. B. The formation and function of reaction wood. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:371-390. Ref. 1965. 451 Ad9
- 23513 WELLWOOD, R. W., IFJU, G., and WILSON, J. W. Intra-increment physical Canadian coniferous species. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:539-549. 1965. 451 Ad9
- 23514 WILSON, J. W., and WELLWOOD, R. W. Intra-increment chemical properties of certain western Canadian coniferous species. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:551-559. Ref. 1965. 451 Ad9
- 23515 ZEEUW, C. DE. Variability in wood. Advance. Sci. Seminar Cell. Ultrastruct. Woody Plants. Proc. 1964:457-471. Ref. 1965. 451 Ad9
In relation to structure and properties.



PLANT SCIENCE

GENERAL

- 23516 ABRAMOVA, T. A. History of far-eastern fir-trees from Omorica section (according to the data of the spore-pollen analysis). (Rus) Moskov. Obshch. Ispytatelei Prirody. Byul. Otd. Biol. 71(3):103-112. Ref. May/June 1966. 511 M85
English summary.
- 23517 BIEBER, C. L. Fossil algae in the St. Louis limestone of western Indiana. Ind. Acad. Sci. Proc. 75:206-209. 1965, pub. 1966. 500 In2
- 23519 BUNNING, E. The present state of botany as science. (Ge) Nova Acta Leopoldina (n.s.) 30 (173):143-156. Ref. 1965. 509 H154
- 23519 CAMPBELL, L. E., and JOHNSON, E. K. A laboratory spectroradiometer for determination of spectral irradiance of UV and visible light sources. Amer. Soc. Agr. Eng. Pap. 348, 16 p. Ref. 1966. 290.9 Am32P
For plant research.
- 23520 CAMPO, M. VAN, and others. New pollinic flora of Pleistocene alluvial deposits in the slope of a basin in southern Hoggar. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):487-490. Aug. 1, 1966. 505 P21
P. Guinet, J. Cohen, and P. Dutil, joint authors.
- 23521 CRIDLAND, A. A., and WILLIAMS, J. L. Plastic and epoxy transfers of fossil plant compressions. Torrey Bot. Club. Bull. 93(5):311-322. Ref. Sept./Oct. 1966. 451 T63B
- 23522 DARK, B. R. Where are the champs? The search for Louisiana's king size trees continues. Forests People 16(4):16-19, 42. Fourth Q. 1966. 99.8 F7628
- 23523 DE VRIES, B. Puccinia caricina DC., a rust from a late-glacial deposit from the Missouri Coteau, Saskatchewan. Can. J. Bot. 44(9):1228-1230. Ref. Sept. 1966. 470 C16C
- 23524 FRANCE, OFF DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE-MER. Index bibliographique de botanique tropicale; travaux 1963 (suite) et 1964 [Bibliographical index of tropical botany; 1963 (continuation) and 1964 publications]. Volume 2, fascicule 1. Bondy, 1965. 72 p. Z5358.T715
- 23525 HERGERT, G., ZILLINSKY, F. J., and KEMP, J. K. An aspirator for cleaning small seed samples. Can. J. Plant Sci. 46(5):570-572. Ref. Sept. 1966. 450 C16
- 23526 HORIGUCHI, M. The first occurrence of Cystophallum species in the Tertiary of Japan. Urawa. Saitama Univ. Sci. Rep. Ser. B, Biol. Earth Sci. 5(1):45-47. 1965. 442.9 U1
- 23527 LABOURIAU, L. G. Training of new botany biologists in Brazil. (Por) Biologico 32(6):113-121. (Cont.) June 1966. 442.8 B529
- 23529 LABOURIAU, L. G. Training of new botany biologists in Brazil. (Por) Biologico 32(7):139-157. (Cont.) July 1966. 442.8 B529
- 23529 LANGE, M. Botanikal periodisk [Botanisk Tidsskrift] is 100 years old. (Da) Bot. Tidsskr. 62(1):57-62. 1966. 450 B654
- 23530 LELE, K. M., and MAITHY, P. K. On the occurrence of Karharbari plant fossils in Daltonganj and Jainti coalfields, Bihar. Cur. Sci. 35 (16):412-413. Aug. 20, 1966. 475 Sci23
- 23531 MAECK, H. Fossils. (Ge) Kosmos 62(4):156-159. Apr. 1966. 474 K842
Includes plants.
- 23532 MAMAY, S. H. Tinsleya, a new genus of seed-bearing callipterid plants from the Permian of north-central Texas. U. S. Geol. Surv. Prof. Pap. 523-E:E1-E15. Ref. 1966. 407 G29Pr
- 23533 PANNELLA, G. Palynology of the Dakota Group and Graneros Shale of the Denver Basin. Diss. Abstr., Sect. B, 27(4):1191B. Oct. 1966. Z5055.U49D53
- 23534 RAMANUJAM, C. G. K. Occurrence of Botryococcus in the Miocene lignite of south Arcot District, Madras. Cur. Sci. 35(14):367-368. July 20, 1966. 475 Sci23
- 23535 ROGERSON, C. T., and others. Index to American botanical literature. Torrey Bot. Club. Bull. 93(5):360-384. Sept./Oct. 1966. 451 T63B
L. Schwarten, H. W. Rickett, and H. Becker, joint authors.
- 23536 SCHOLTEN, E. J. H. On the wealth of common names. III. (Du) Natura [Heemstede] 63(8):114. Sept. 1966. 410 N2192
- 23537 SEGAL, R. H. A review of some tertiary endocarps of Celtis (Ulmaceae). Southwest. Natur. 11(2):211-216. June 30, 1966. 409.6 S08
- 23538 SEGAL, R. H. Taxonomic study of the fossil species of the genus Cryptantha (Boraginaceae) Southwest. Natur. 11(2):205-210, map. Ref. June 30, 1966. 409.6 S08
- 23539 VAN CITTERT, J. H. A. Palaeobotany of the Mesophytic II. New and noteworthy Jurassic ferns from Yorkshire. Acta Bot. Neer. 15(2):284-289. Ref. Sept. 1966. 450 Ac822
- 23540 YARHAM, E. R. Britain's veteran churchyard yews. Irish Forest. 23(1):22-27. Spring 1966. 99.8 Ir4
- 23541 ZENKEVICH, L. A. Position of botany and zoology in the system of biological sciences. (Rus) Moskov. Obshch. Ispytatelei Prirody. Byul. Otd. Biol. 71(3):5-13. May/June 1966. 511 M85

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 23542 AGAEV, YU., and PEDOROVA, E. E. Two-nuclei type cells and amitosis in mulberry diploidy and polyploidy. (Rus) Akad. Nauk Azerb. SSR. Dokl. 22(6):73-76. 1966. 511 Ak147D
- 23543 AHNSTROM, G., and NATARAJAN, A. T. Mechanism of chromosome breakage: a new theory. Hereditas 54(3):379-388. Ref. 1966. 442.8 H42
Includes broadbeans.
- 23544 BAHADUR, B. Heterostyly in Oldenlandia scopulorum Bull. J. Genet. 59(3):267-272. June 1966. 442.8 J823
- 23545 BAILLAUD, L. Organisation of cauline axis in Selaginella willdenowii Baker. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(11):812-815. Sept. 12, 1966. 505 P21
- 23546 BANERJEE, S., and NANDI, B. Studies on morphogenesis in Flammula diplois B. & Br. Osterr. Bot. Z. 113(1):96-100. Ref. 1966. 450 Os7
- 23547 BARSUKOV, V. S., MALINOVSKII, O. V., and MITYUSHOVA, N. M. On the value of the process of recovery of yeast cells after irradiation for occurrence of oxygen effect. (Rus) Radiobiologiya 5(6):860-866. Ref. 1965. 442.8 R11
Gamma rays.
- 23548 BOARDMAN, N. K. Ribosome composition and chloroplast development in Phaseolus vulgaris. Exp. Cell Res. 43(2):474-482. Ref. Sept. 1966. 442.8 Ex7
- 23549 BUGNON, F., and CARLE, M. Ontogeny of extra axillary shoots in Carex alba Scop. and C. arenaria L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(4):351-353. July 25, 1966. 505 P21
- 23550 CABIOCH, J. The formation of articulated thallus in some Corallina. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(4):339-342. July 25, 1966. 505 P21
- 23551 CAMPBELL, E. O. Lunularia in New Zealand. Tuatara 13(1):31-41. Ref. Apr. 1965. 442.8 T79
Chiefly morphology and physiology.
- 23552 CARLQUIST, S. Anatomy of Rapateaceae—roots and stems. Phytomorphology 16(1):17-38. Ref. Mar. 1966. 450 P566
- 23553 CATESSON, A. M. Cytological aspects of the study of nucleic acids. (Fr) Ann. Biol. 70 (5/6):209-239. May/June 1966. 442.8 An7
Bibliography, p. 230-239.
- 23554 CETIK, A. R., and BOZCUK, A. N. Leaf xeromorphism in the plant species from a heavily eroded area with high lime content. Ankara. Univ. Fac. Sci. Commun. (Ser. C) 10:115-138. Ref. 1966. 330.9 An4

- 23555 CHANG, S. T. Spore of *Volvariella volvacea*. *Nature* [London] 212(5061):528-529. Oct. 29, 1966. 472 N21
Morphological study.
- 23556 CHARLTON, W. A. The root system of *Linaria vulgaris* Mill. I. Morphology and anatomy. *Can. J. Bot.* 44(9):1111-1116. Ref. Sept. 1966. 470 C16C
- 23557 CHATTERJI, A. K. Polysomaty in orchids. *Naturwissenschaften* 53(19):509-510. Oct. 1, 1966. 474 N213
Includes chromosomes and evolution towards speciation in orchids.
- 23558 COCKING, E. C. Plant protoplasts. *Viewpoints Biol.* 4:170-203. Ref. 1965. 442.8 V672
- 23559 CUNNINGHAM, W. P., MORRE, D. J., and MOLLENHAUER, H. H. Structure of isolated plant Golgi apparatus revealed by negative staining. *J. Cell Biol.* 28(2):169-180. Ref. Feb. 1966. 442.8 J828
Allium cepa used in experiment.
- 23560 DAVIS, T. A. Floral structure and stamens in *Bombax ceiba* L. *J. Genet.* 59(3):294-328. Ref. June 1966. 442.8 J823
- 23561 DEVI, P. M., and HASHIM, M. Homostyly in heterostyled *Biophytum sensitivum* DC. *J. Genet.* 59(3):245-249. June 1966. 442.8 J823
- 23562 DIERS, L. On the plastids, mitochondria, and other cell constituents during oogenesis of a plant. *J. Cell Biol.* 28(3):527-543. Ref. Mar. 1966. 442.8 J828
Sphaerocarpus donnellii.
- 23563 DIMITROV, B. Effect of colchicine on morphology and formation of nucleolus. (Fr) *Bulg. Akad. Nauk. Dokl.* 19(6):535-537. Ref. 1966. 512 S02
Plants.
- 23564 DOWDING, E. S. The chromosomes in *Neurospora hyphae*. *Can. J. Bot.* 44(9):1121-1125. Ref. Sept. 1966. 470 C16C
In *Neurospora tetrasperma*.
- 23565 DRYAGINA, I. V., KALINICHENKO, I. M., and LOZHKINA, V. G. Cytological disturbances in apple tree rootlets after irradiation of seeds. (Rus) *Radiobiologiya* 6(1):134-139. Ref. 1966. 442.8 R11
Gamma rays.
- 23566 DYER, A. F. Pollen tube mitosis in culture; osmotic control and acenaphthene treatment. *Stain Technol.* 41(5):277-280. Sept. 1966. 442.8 S11
- 23567 EHRLICH, M. A., and EHRLICH, H. G. Ultrastructure of the hyphae and haustoria of *Phytophthora infestans* and hyphae of *Phytophthora parasitica*. *Can. J. Bot.* 44(11):1495-1503. Ref. Nov. 1966. 470 C16C
- 23568 ERIKSSON, G., and TAVRIN, E. Variations in radiosensitivity during meiosis of pollen mother cells in maize. *Hereditas* 54(2):156-162. Ref. 1965. 442.8 H42
Gamma rays.
- 23569 ESSAD, S. Comparative cytogenetic and morphological research on the origin of the natural hybrids "*Festuca loliacea*" 2N and 3N. (Fr) *Ann. Amélior. Plantes* 16(1):5-41. Ref. 1966. 14 F8499A
English summary.
- 23570 FABBRI, F. Caryologic data on *Arisarum proboscideum* (L.) Savi. (It) *Caryologia* 19(2):157-161. Apr./June 1966. 442.8 C25
English summary.
Chromosome number study.
- 23571 FAROOQ, M., and SIDDIQUI, S. A. Anatomy of the floats of *Utricularia inflata* Forsk. var. *inflata* Taylor. *Torrey Bot. Club. Bull.* 93(5):301-305. Ref. Sept./Oct. 1966. 451 T63B
- 23572 FAVARGER, C. Basic number of chromosomes, new for the genus *Thesium* L. (Santalaceae). (Fr) *Soc. Neuchâteloise Sci. Natur.* Bull. (ser. 3) 89:57-59. 1966. 508 N39
English summary.
- 23573 FELDMAN, M., MELLO-SAMPAYO, T., and SEARS, E. R. Somatic association in *Triticum aestivum*. *Nat. Acad. Sci. Proc.* 56(4):1192-1199. Ref. Oct. 1966. 550 N21P
- 23574 FELL, K. R., RAMSDEN, D., and TREASE, G. E. Diagnostic anatomical features of certain species of *Colchicum*. *Planta Med.* 14(2):209-216. May 1966. 450 P697
- 23575 FINERAN, B. A. Fine structure of meristem and differentiating root cap cells in *Ranunculus hirtus* Hook. F. *Phytomorphology* 16(1):1-16. Ref. Mar. 1966. 450 P566
- 23576 FISH, F., and NEWCOMBE, F. Comparative anatomy of the stem barks of *Voacanga schweinfurthii* and *V. africana*. *Planta Med.* 14(2):131-146. Ref. May 1966. 450 P697
- 23577 FROUSSART, N. Cytological study of the female gametogenesis of *Solanum nigrum*. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(3):236-238. July 18, 1966. 505 P21
- 23578 GANTT, E., and CONTI, S. F. Granules associated with the chloroplast lamellae of *Porphyridium cruentum*. *J. Cell Biol.* 29(3):423-434. Ref. June 1966. 442.8 J828
- 23579 GELLOS, G. J. The developmental morphology of *Phalaris arundinacea* L. *Diss. Abstr.* Sect. B, 27(3):703B. Sept. 1966. Z5055,U49D53
- 23580 GEORGIEVA, J. D. Cytological research on behavior of pollen tubes in *Lilium regale* Wils and *Lilium candidum* L. during pollination with their own pollen and with pollen of other species. (Fr) *Bulg. Akad. Nauk. Dokl.* 19(6):539-541. Ref. 1966. 512 S02
- 23581 GERVAIS, C. Chromosome numbers of some Alpine grasses. (Fr) *Soc. Neuchâteloise Sci. Natur.* Bull. (ser. 3) 89:87-100, map. Ref. 1966. 508 N39
English summary.
In species of *Avena*.
- 23582 GIMENEZ-MARTIN, G., GONZALEZ-FERNANDEZ, A., and LOPEZ-SAEZ, J. F. Duration of the division cycle in diploid, binucleate and tetraploid cells. *Exp. Cell Res.* 43(2):293-300. Sept. 1966. 442.8 Ex7
In onions.
- 23583 GODWARD, M. B. E. Problems of nuclear division with special reference to the algae. *Viewpoints Biol.* 4:29-53. Ref. 1965. 442.8 V672
- 23584 GOODCHILD, D. J., HIGHKIN, H. R., and BOARDMAN, N. K. The fine structure of chloroplasts in a barley mutant lacking chlorophyll B. *Exp. Cell Res.* 43(3):684-688. Oct. 1966. 442.8 Ex7
- 23585 GUEDES, M. Homology of carpels and stamens in *Tulipa gesneriana* L. (Fr) *Osterr. Bot. Z.* 113(1):47-83. Ref. 1966. 450 Os7
- 23586 GUERN, M., and GORENFLOT, R. Karyology of the genus *Hippocrepis* L. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(5):509-512. Aug. 1, 1966. 505 P21
- 23587 GUHA, S., and MAHESHWARI, S. C. Cell division and differentiation of embryos in the pollen grains of *Datura in vitro*. *Nature* [London] 212(5057):97-98. Oct. 1, 1966. 472 N21
- 23588 HANDRO, W. Pollen grains of plants of the cerrado, X. *Amaranthaceae*. *Acad. Brasil. Cienc.* An. 37(3/4):557-565. Ref. Dec. 31, 1965. 516 R473A
- 23589 HARVEY, M. J. Meiosis in *Helleborus corsicus* x *H. foetidus*. *Can. J. Genet. Cytol.* 8(3):516-519. Sept. 1966. 443.8 C16
- 23590 HAUPT, W. Movement in the plant cells. (Ge) *Umschau* 65(21):680-681. Nov. 1, 1965. 474 Um7
Chloroplast movements caused by light.
- 23591 HOLM, G., and BAJER, A. Cine micrographic studies on mitotic spiralization cycle. *Hereditas* 54(3):356-375. Ref. 1966. 442.8 H42
In *Haemanthus katharinæ*.
- 23592 HRAZDIRA, I., and HAVELKOVA, M. Ultrastructural and the ultramicroscopic structure of *Rhizopus nigricans*. *Naturwissenschaften* 53(9):206. Apr. 15, 1966. 474 N213
- 23593 HUGUENEY, R. The presence of two general pellicles in *Lepiota ignipes* Locquin. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(5):491-493. Ref. Aug. 1, 1966. 505 P21

- 23594 KEEN, R. A., and BUSSET, G. M. How to make leaf prints. Kans. State Univ. Agr. Ext. L-126, rev., 6 p.-folder. July 1966. 275.29 K13Le
For studying morphology of leaves.
- 23595 KIMBER, G., and WOLFE, M. S. Chromosome number of *Erysiphe graminis*. Nature [London] 212(5059):318-319. Oct. 15, 1966. 472 N21
- 23596 KOLVOORT, E. C. H. Examination of moss tissues with a polarising microscope. (Du) Buxbaumia 20(1/2):7-14. Sept. 1966. 450 B98
English summary.
Cell wall structure.
- 23597 LAING, C. C. Structure, formation, and dormancy of terminal buds of elm [*Ulmus*]. Bot. Gaz. 127(2/3):127-132. June/Sept. 1966. 450 B652
- 23598 LANCE-NOUGAREDE, A. Presence of protein structure in periodic system and the effect of crystalline in the mitochondria of epidermis of young lentil (*Lens culinaris* L) leaves. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(3):246-249. Ref. July 18, 1966. 505 P21
- 23599 LAZANYI, A. The effect of sulphoguanidine and p-nitrobenzoic acid on the chromosome breakage-reunion process by gamma-, X- and beta-irradiation in *Vicia faba*. Int. J. Radiat. Biol. 10(4):329-342. Ref. 1966. 444.8 In8
- 23600 LEINFELLNER, W. The structure of Winteraceae carpels. II. Occurrence of ringlike placenta in carpels of *Drimys*, section *Wintera*. (Ge) Osterr. Bot. Z. 113(1):84-95. 1966. 450 Os7
Drimys winteri, *D. granatensis* and *D. brasiliensis*.
- 23601 LESHINA, A. V. Effect of gibberellic acid on morphological, anatomical and physiological indices of broadbeans. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(8):604-606. Ref. Aug. 1966. 511 M663D
- 23602 LEWIS, W. H. Chromosome numbers of Oldenlandia corymbosa (Rubiaceae) from southeastern Asia. Mo. Bot. Gard. Ann. 53 (2):257-258. 1966. 451 M69
- 23603 L'HARDY-HALOS, M. T. Experimental development of the labellum in some Anthiammin (Rhodophyceae, Ceramiales). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(3):242-245. July 18, 1966. 505 P21
- 23604 LOPEZ-BELMONTE, F., ACHA, I. G., and VILLANUEVA, J. R. Observations on the protoplasts of *Fusarium culmorum* and on their fusion. J. Gen. Microbiol. 45(1):127-133. Ref. Oct. 1966. 448.3 3823
- 23605 MACH, F., and FUTTERLIEB, A. Electron microscopic study of the formation of spores in thermophilic Streptomyces species. (Ge) Biol. Rundsch. 4(2):105-107. Ref. 1966. 442.8 B5272
- 23606 MAHESHWARI, J. K., and CHAKRABARTY, B. Foliar nectaries of *Clerodendrum japonicum* (Thunb.) Sweet. Phytomorphology 16(1):75-80. Ref. Mar. 1966. 450 P566
Cytological study.
- 23607 MALIK, C. P., and THOMAS, P. T. Karyotypic studies in some *Lolium* and *Festuca* species. Caryologia 19(2):167-196. Ref. Apr./June 1966. 442.8 C25
- 23608 MANTON, I., and STOSCH, H. A. VON. Observations on the fine structure of the male gamete of the marine centric diatom *Lithodesmium undulatum*. Roy. Microscop. Soc. J. 85(2):119-134. Ref. 1966. 440.9 R81J
In cultures.
- 23609 MANTON, I., and HARRIS, K. Observations on the microanatomy of the brown flagellate Sphaleromantis tetragona Skuja with special reference to the flagellar apparatus and scales. Linn. Soc. London. J. Bot. 59(380):397-403. Ref. July 1966. 451 L64J
- 23610 MARAVOLO, N. C., and VOTH, P. D. Morphogenic effects of three growth substances on *Marchantia gemmalings*. Bot. Gaz. 127(2/3):79-86. Ref. June/Sept. 1966. 450 B652
Indoleacetic, naphthaleneacetic acids and maleic hydrazide.
- 23611 MCGRATH, J. J. Secondary phloem in ash (*Fraxinus velutina*): anatomy and seasonal changes. Diss. Abstr., Sect. B, 27(3):704B-705B. Sept. 1966. Z5055.U49D53
- 23612 MEENAKSHI, G., and SUBRAMANIAM, M. K. Triploidy in *Cicer arietinum* L. Caryologia 19 (2):163-166. Ref. Apr./June 1966. 442.8 C25
- 23613 MICHAUX, N. Structure and function of apical meristem of the *Isoetes setacea* Lam. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(5):501-504. Ref. Aug. 1, 1966. 505 P21
- 23614 MIHOV, A., and ZAGORCHEVA, L. A case of apogamy in *Cucumis sativus* L. Bulg. Akad. Nauk. Dokl. 19(6):527-529. Ref. 1966. 512 362
- 23615 MIKHEL'SON, V. M. Peculiarities of radiosensitivity of *Vicia faba* seedlings as affected by oxygen after X-ray treatment. (Rus) Radiobiologiya 5(4):589-592. Ref. 1965. 442.8 R11
In relation to chromosomal aberrations.
- 23616 MOHAMED, A. H., SMITH, J. D., and APPLE-GATE, H. G. Cytological effects of hydrogen fluoride on tomato chromosomes. Can. J. Genet. Cytol. 8(3):575-583. Sept. 1966. 443.8 C16
- 23617 MONCONTIE, C., and GORENFLOT, R. Development of stomata in Plantaginaceae. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(4):354-357. July 25, 1966. 505 P21
- 23618 MOORE, D. M., and LEWIS, H. Variation and evolution in South American *Clarkia*. Heredity 21(1):37-56, map. Ref. Feb. 1966. 443.8 H42
Includes chromosome study of *Clarkia tenella*.
- 23619 MUHLETHALER, K. Growth theories and the development of the cell wall. Advance. Sci. Seminar Cyt. Ultrastruct. Woody Plants. Proc. 1964:51-60. Ref. 1965. 451 Ad8
Phalaris canariensis and *Allium cepa*.
- 23620 NAITHANI, S. P., and SISODIA, K. P. Preliminary meiotic study in *Pennisetum pedicularum* Trin. Cur. Sci. 35(13):343-344. July 5, 1966. 475 S213
- 23621 NAMBOODIRI, A. N. Electron microscopic approach on the conidia and hyphae of *Neurospora crassa*. Caryologia 19(2):117-133. Ref. Apr./June 1966. 442.8 C25
- 23622 NOVOSELTZEVA, N. P. Some characteristic features of anatomical structure of *Delphinium elatum* L., *D. dictyocarpum* DC. and *D. confusum* M. Pop. (Rus) Rastitel. Resursy 1 (2):246-251. 1965. 450 R18
- 23623 NUZHIDIN, N. I., DOZORTSEVA, R. L., and SAMOKHVALOVA, N. S. Effect of inhibitors and activators of cell metabolism on occurrence of chromosomal aberrations during single and fractionated gamma irradiation of barley seeds. (Rus) Akad. Nauk SSSR. Inst. Genet. Tr. 32:4-17. Ref. 1965. 442.9 P44
English summary.
Effect of levomycetin, streptomycin and ATP.
- 23624 PACKER, L., and SIEGENTHALER, P. A. Control of chloroplast structure by light. Int. Rev. Cytol. 20:97-124. Ref. 1966. 442.8 Im2
- 23625 PACKER, L., and others. Fractionation of spinach chloroplasts by flow sedimentation-electrophoresis. J. Cell Biol. 28(3):443-448. Ref. Mar. 1966. 442.8 J828
P. S. Nobel, E. L. Gross, and H. C. Mel, joint authors.
- 23626 PALAMARCHUK, I. A. Variations in the pollen quality of lower and upper flowers of an ear in the flower cluster of the corn. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved. 1:69-72. Jan./Feb. 1966. 442.9 M854
Pollen size.
- 23627 PANT, D. D., and GUPTA, K. L. Development of stomata and foliar structure of some Magnoliaceae. Linn. Soc. London. J. Bot. 59(379):265-277. Ref. Feb. 1966. 451 L64J
- 23628 PARIBOK, V. P., KRUPNOVA, G. F., and KOROLEVA, YU. I. Radioprotective action of inert gases and lowmolecular narcotics. 4. Radioprotective effect of compressed nitrogen in photodynamic damage of plant cells. (Rus) Radiobiologiya 5(6):886-889. Ref. 1965. 442.8 R11
Beans.

- 23629 PARK, R. B. Subunits of chloroplast structure and quantum conversion in photosynthesis. *Int. Rev. Cytol.* 20:67-95. Ref. 1966. 442.8 In82
- 23630 PARTHASARATHY, M. V. Studies on metaphloem in petioles and roots of *Palmae*. *Diss. Abstr.*, Sect. B, 27(3):706B. Sept. 1966. Z5055.U49D53
- 23631 PETTITT, J. M. A new interpretation of the structure of the megaspore membrane in some gymnospermous ovules. *Linn. Soc. London, J. Bot.* 59(379):253-263. Ref. Feb. 1966. 451 L64J
- 23632 PIERITZ, W. Study of causes of aneuploidy in amphidiploid wheat-rye hybrids and of the functional capacity of their male and female gametes. (Ge) *Z. Pflanzenzucht.* 56(1):27-69. Ref. Aug. 1966. 450 Z36
English summary.
- 23633 POPOV, V. YA. Some ecologo-morphological characteristics of Scotch pine [*Pinus sylvestris*] of various provenances growing in Archangel Region. (Rus) *Les. Zh.* 2:15-16. 1965. 99.8 Iz8
- 23634 POZOLOTIN, A. A. Effect of pulse magnetic field on cytogenetic effect of irradiation. (Rus) *Radiobiologiya* 5(6):809-811. 1965. 442.8 R11
Peas.
- 23635 QUINN, C. J. Gametophyte development and embryogeny in the Podocarpaceae. III. *Dacrydium bidwillii*. *Phytomorphology* 16(1):81-91. Ref. Mar. 1966. 450 P566
- 23636 RANA, R. S. Karyomorphological factors favouring the incidence of chromosomal interchanges. *Curr. Sci.* 35(16):414-415. Ref. Aug. 20, 1966. 475 Sci23
In *Chrysanthemum carinatum* and *Cosmos bipinnatus*.
- 23637 RAO, A. N. New record of foliar sclereids in three dicotyledonous genera. *Curr. Sci.* 35(15):380-382. Aug. 5, 1966. 475 Sci23
In *Agrastistachys sessilifolia*, *Taxotrophis ilicifolius* and *Timonius wallichianus*.
- 23638 REHFELDT, G. E., and LESTER, D. T. Variation in shoot elongation of *Pinus resinosa* Ait. *Can. J. Bot.* 44(11):1457-1469, map. Ref. Nov. 1966. 470 C16C
- 23639 RHODES, R. G. The influence of environmental factors on morphogenesis of vegetative cells and zoospores in *Tetraspora Link.* *Diss. Abstr.*, Sect. B, 27(3):706B. Sept. 1966. Z5055.U49D53
- 23640 RICKARDS, G. K. The cell nucleus. 2. *Tuarea* 13(1):43-76. Apr. 1965. 442.8 T79
- 23641 RILEY, G. S. The macroscopic characters of the aerial parts of *Calotropis procera*. *Planta Med.* 14(2):184-193. Ref. May 1966. 450 P697
- 23642 RIZZINI, C. T. Experimental studies on the xylodium and other tuberous organs of plants from the grassland. (Por) *Acad. Brasil. Cienc. An.* 37(1):87-113. Ref. Mar. 31, 1965. 516 R473A
English summary.
- 23643 RODIONOVA, G. B. Embryological studies on *Eruca sativa* Lam. (Rus) *Moscow Univ. Vestnik. Ser. 6. Biol.* Pochvoved. 1:61-68. Ref. Jan./Feb. 1966. 442.9 M654
- 23644 ROHWEDER, O. Studies of the Centrospermae. 1. The structure of flowers of *Uebelinia kiwuiensis* T.C.E. Fries (Caryophyllaceae). (Ge) *Zurich. Univ. Bot. Mus. Mitt.* 224:405-418. Ref. 1965. 451 Z82
English summary.
- 23645 ROHWEDER, O. Studies of the Centrospermae. 2. The development and morphological role of gynoecium in *Phytolacca*. (Ge) *Zurich. Univ. Bot. Mus. Mitt.* 227:509-526. Ref. 1965. 451 Z82
English summary.
- 23646 ROTHSCHILD, H., and SUSKIND, S. R. Protopectin in *Neurospora crassa*; technique for studying their development. *Science* 154 (3754):1356-1357. Ref. Dec. 9, 1966. 470 Sci2
- 23647 ROWLEY, J. R., and FLYNN, J. J. Single-stage carbon replicas of microspores. *Stain Technol.* 41(5):287-290. Sept. 1966. 442.8 St1
Electron microscope procedure for pollen.
- 23648 ROY, R. P., and TRIVEDI, R. N. Cytology of *Gomphogyne cissiformis*. *Curr. Sci.* 35(16):420-421. Aug. 20, 1966. 475 Sci23
- 23649 RUSCH, H. P., and others. Synchronization of mitosis by the fusion of the plasmodia of *Physarum polycephalum*. *J. Cell Biol.* 31(1):204-209. Ref. Oct. 1966. 442.8 J828
W. Sachsmaier, K. Behrens, and V. Gruter, joint authors.
- 23650 SAHL, B. G. Embryo-sac and endosperm in *Andropogon paniculata* Nees. *Curr. Sci.* 35(14):368-369. July 20, 1966. 475 Sci23
- 23651 SCHERTZ, C. E., and BROWN, G. K. Determining fruit-bearing zones in citrus. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):366-368. 1966. 290.9 Am32T
Includes application to mechanical harvesting.
- 23652 SCHRAUDOLF, H. The effect of plant hormones on germination and development of fern prothallia. IV. The effect of different amounts of gibberellin and alloberberic acid on the antheridia formation in *Anemia phyllitidis* L. and some *Polypodiaceae*. (Ge) *Plant Cell Physiol.* 7(2):277-289. Ref. July 1966. 450 P699
English summary.
- 23653 SHINAGAWA, Y., and others. Electronmicroscopic studies of isolated yeast mitochondria with negative staining and thin sectioning methods. *Exp. Cell Res.* 43(2):301-310. Ref. Sept. 1966. 442.8 Ex7
A. Inouye, T. Ohnishi, and B. Hagihara, joint authors.
- 23654 SHOPOVA, M. Studies in the genus *Capsicum*. II. Irregularities in the pollen mother cells. *Chromosoma* 19(3):349-356. 1966. 442.8 C46
- 23655 SIDOROV, B. N., SOKOLOV, N. N., and DEMIN, YU. S. Analysis of initial effect of radiation on chromosomes. (Rus) *Radiobiologiya* 6(1):84-87. Ref. 1966. 442.8 R11
Crepis capillaris.
- 23656 SINGH, R. M. Investigations of monosomics in oats, *Avena byzantina* C. Koch. *Diss. Abstr.*, Sect. B, 27(3):698B-699B. Sept. 1966. Z5055.U49D53
- 23657 SORSA, V. A diploid *Gymnocarpium dryopteris* L. Newman in Alaska. *Nature [London]* 210 (5043):1375. June 25, 1966. 472 N21
A cytological study.
- 23658 SPOORNE, K. R. The morphology of pteridophytes: the structure of ferns and allied plants. Ed. 2. London, 1966. 192 p. Ref. (Hutchinson University Library. Biological Sciences). QK521.S6
- 23659 STROTHER, J. L. Chromosome numbers in *Hymenoxys* (Compositae). *Southwest. Natur.* 11(2):223-226. June 30, 1966. 409.6 So8
- 23660 SUGIMURA, T., OKABE, K., and IMAMURA, A. Number of cytoplasmic factors in yeast cells. *Nature [London]* 212(5059):304. Oct. 15, 1966. 472 N21
- 23661 SYBENGA, J. The quantitative analysis of chromosome pairing and chiasma formation based on the relative frequencies of M I configurations. II. Primary trisomics. *Genetica* 36(4):339-361. 1965. 442.8 G282
Rye.
- 23662 SYMONS, F. Morphology of the nucellus of *Pinus sylvestris* L. (Du) *Biol. Jaarb.* 33:403-408. 1965. 410 B52
English summary.
- 23663 TAILLANDIER, J. Application of histoautoradiographic method to the morphological interpretation of the ovule scale of *Pinus maritima* Lam. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):347-350. July 25, 1966. 505 P21
- 23664 TAKAYANAGI, T., INOKI, S., and YOSHIKAWA, K. Unusual conjugation of *Paramecium poly-caryum*. *Jap. J. Genet.* 41(3):241-246. June 1966. 442.9 J27
Cells.

- 23665 THOMSON, W. W. Ultrastructural development of chromoplasts in Valencia oranges. *P.B. Gaz.* 127(2/3):133-139. Ref. June/Sept. 1966. 450 B652
- 23666 TILAK, V. D., and PAI, R. M. Studies in the floral morphology of the Marantaceae. I. *Can. J. Bot.* 44(10):1365-1370. Oct. 1966. 470 C16C
Schumannianthus virgatus.
- 23667 TSIKOV, D., and TSIKOVA, E. Problem of male sterility in Nicotiana. (Bu) *Selskostopanska Nauk.* 5(3):3-15. Ref. 1966. 21 Se492
Cytological study.
- 23668 TULECKE, W. Continuous cultures of higher plant cells in liquid media: the advantages and potential use of a phytostat. *N. Y. Acad. Sci. Ann.* 139(1):162-175. Ref. Oct. 7, 1966. 500 N484
Rosa sp.
- 23669 TUYET-ROA, T. T., and CUSSET, G. Ligule trachea genesis of *Deschampsia caespitosa* P. B. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(5):497-500. Aug. 1, 1966. 505 P21
- 23670 VAKILI, N. G. A squash technique for banana root-tips. *Trop. Agr. [St. Augustine]* 43(4):327-329. Oct. 1966. 26 T754
Cytology.
- 23671 VARGHESE, T. M. Foliar venation of some Scrophulariaceae. *Cur. Sci.* 35(12):315-317. June 20, 1966. 475 Sci23
- 23672 VASIL'EV, A. E. Present status of the problem of the investigation of cell wall. (Rus) *Bot. Zhur.* 51(7):990-1012. July 1966. 451 R923
Review of the literature.
- 23673 VASSILEVA-DRYANOVSKA, O. A. Pollen rad-densitometry with regard to fruit ans seed formation. *Bulg. Akad. Nauk. Dokl.* 19(8):759-762. Ref. 1966. 512 So2
- 23674 VAUCHER, C. Contribution to the cytological study of the genus *Dactyloctenium* (Klinge) Vermeulen. (Fr) *Soc. Neuchateloise Sci. Natur. Bull.* (ser. 3) 89:75-85, map. Ref. 1966. 508 N39
English summary.
- 23675 VIGNON, F. Embryogenesis of Caryophyllaceae; development of embryo in *Spergularia marginata* Kittel. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(5):505-508. Aug. 1, 1966. 505 P21
- 23676 VOLKOVA, T. M. Structural and ultrastructural reorganization of *Endomyces magnusii* cells under conditions of B₁-hyper or avitaminosis. (Rus) *Mikrobiologiya* 35(5):817-823. Ref. Sept./Oct. 1966. 448.3 M582
English summary.
- 23677 WELLENDOFF, M. The microscopical structure of some papilionaceous starches. II. *Bot. Tidsskr.* 62(1):50-56. 1966. 450 B654
Beans.
- 23678 WERNER, H. J., and LINDBERG, G. D. Electron microscope observations of *Helminthosporium victoriae*. *J. Gen. Microbiol.* 45(1):123-125. Ref. Oct. 1966. 448.3 J823
- 23679 WHITE, D. J. B. The anatomy of reaction tissues in plants. *Viewpoints Biol.* 4:54-82. Ref. 1965. 442.8 V672
- 23680 WIBAUT, C. Quantitative analysis of nuclear synthesis in the apex of *Arabidopsis thaliana* L. Heynh. during the various phases of its development in inductive photoperiod. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4):343-346. July 25, 1966. 505 P21
- 23681 WORMER, T. M. Shape of bean in *Coffea arabica* L. in Kenya. *Turrialba* 16(3):221-236. Ref. July/Sept. 1966. 8 T86
- 23682 YATES, H. O. Morphology and cytology of *Uniola* (Gramineae). *Southwest. Natur.* 11(2):145-189. Ref. June 30, 1966. 409.6 So8
- 23684 ABRAMOVA, T. G. Higher aquatic plants of some water bodies of southern Karelia. (Rus) *Leningrad. Univ. Vestnik Ser. Geol. Geogr.* 2:61-72. 1966. 403 L54
English summary.
Ecology.
- 23685 ANDERSON, M. C. Ecological grouping of plants. *Nature [London]* 212(5057):54-56. Oct. 1, 1966. 472 N21
- 23686 BISWELL, H. H., GIBBENS, R. P., and BU-CHANAN, H. Litter production by bigtrees [*Sequoia gigantea*] and associated species. *Calif. Agr.* 20(9):5-7. Sept. 1966. 100 C12Cag
Ecology.
- 23687 BROWN, K. W., and COVEY, W. The energy-budget evaluation of the micro-meteorological transfer processes within a cornfield. *Agr. Meteorol.* 3(1/2):73-96. Ref. Feb. 1966. 340.8 Ag8
- 23688 BURROWS, C. J. Some discontinuous distributions of plants within New Zealand and their ecological significance. II. Disjunctions between Otago-Southland and Nelson-Marborough and related distribution patterns. *Tuatara* 13(1):9-29, map. Ref. Apr. 1965. 442.8 T79
- 23689 BYER, M. D. Pattern analysis along a *Pinus-Chamaedaphne* transition as a key to vegetational structure and organization. *Diss. Abstr.*, Sect. B, 27(4):1045B-1046B, Oct. 1966. Z5055.U49D53
- 23690 CETIK, R. A study on the range vegetation of Lalahan Zootechni Institute, Polatli and Altunova Devlet Ziraat Uretme Ciftlikleri. Ankara. *Univ. Fac. Sci. Commun. (ser. C)* 10:35-61, map. Ref. 1965. 330.9 An4
- 23691 CHEPURKO, N. L. Biological productivity and consumption of mineral elements by forest and tundra coenoses in the Khibiny Mountains. (Rus) *Moscow. Univ. Vestnik Ser. 5, Geogr.* 1:59-66. Jan./Feb. 1966. 331.9 M85
Chiefly ecology.
- 23692 CHILE INSTITUTO FORESTAL. Preliminary classification of native forests of Chile. (Sp) *Rev. Maderero* 16/17:34-44. Apr. 1966. 99.8 R3292
Chiefly types.
- 23693 DAMBSKA, I. Zbiorowiska ramienic Polski [Communities of Characeae in Poland]. *Poznanski Tow. Przyjaciol Nauk. Wyzd. Mat.-Przyrodniczy. Komisji Biol. Prace* 31(3), 76 p. Ref. 1966. 442.9 P87
English summary.
- 23694 DHEN, R. Initial population of vegetation on an old railway track. (Fr) *Cah. Natur. (n.s.)* 22(2):42-44. 1966. 410 F432
- 23695 ECOLOGICAL SOCIETY OF AMERICA. Annual meeting with AIBS at the University of Maryland August 14-19, 1966. *Ecol. Soc. Amer. Bull.* 47(3):98-162. Sept. 1966. 410.9 Ec7
Abstract of papers.
- 23696 EIMERN, J. VAN, and MAYR, E. On the difference of air temperature in crop plant stands and in screens. (Ge) *Agr. Meteorol.* 3(5/6):343-351. Aug. 1966. 340.8 Ag8
English summary.
- 23697 EORSSY, J. Some peculiarities of the climate in tobacco crops. (Hu) *Iidojaras* 70(4):236-242. July/Aug. 1966. 340.8 Id5
English summary.
- 23698 GOLLEY, F. B., and GENTRY, J. B. A comparison of variety and standing crop of vegetation of a one-year and a twelve-year abandoned field. *Oikos* 15(2):185-199. 1966. 410 O14
In North Carolina.
- 23699 HARRIS, D. R. Recent plant invasions in the arid and semi-arid Southwest of the United States. *Ass. Amer. Geogr. Ann.* 56(3):408-422, map. Ref. Sept. 1966. 500 As73
- 23700 HESMER, H. Ecological and silvicultural behaviour of the little leaf linden [*Tilia cordata*]. (Ge) *Germany. Bundesmin. Ernahr. Landwirt. Forsten. Forschungsergeb. Forderung Forstl. Erzeug.* 5:17-19. 1966. 99.34 C31
English summary, p. 70.
- 23701 HILL, R. D. Micro-climatic observations at Bukit Timah Forest Reserve, Singapore. *Malayan Forest.* 29(2):78-86. Apr. 1966. 99.8 M292

ECOLOGY

- 23702 HSU, H. L. Preliminary study on natural regeneration of *Pinus yunnanensis* in Kweichow. (Ch) *Sci. Silvae* 10(2):123-131. Apr. 1965. 99.8 L632
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 8:3. Nov. 5, 1966. (JPRS 32,736; TT 65-33214) 241.7 Un34C
Issued by CFSTI.
- 23703 LANGE, O. Ecological problems of poplar cultures. (Ge) *Forst- Holzwirt* 21(18):401-403. Sept. 23, 1966. 99.8 F7724
- 23704 LEVY, G. F. The phytosociology of northern Wisconsin upland openings. *Diss. Abstr., Sect. B*, 27(4):1049B. Oct. 1966. Z5055.U49D53
- 23705 LOUVET, J., and BULIT, J. On the ecology of certain sclerotial fungi. (Fr) *Phytil. Phytopharm.* 14(4):179-182. Dec. 1965. 464.8 P564
- 23706 MALLIK, M. A. B., and RICE, E. L. Relation between soil fungi and seed plants in three successional forest communities in Oklahoma. *Bot. Gaz.* 127(2/3):120-127. Ref. June/Sept. 1966. 450 B652
- 23707 MILDBRAED, J. Grundzuge der Vegetation des tropischen Kontinental-Afrika [Characteristic features of the vegetation in tropical, continental Africa]. *Willdenowia* 2,253 p. 450 W66
Ecology.
Bibliography, p.215-228.
- 23708 MINORE, D. The growth of *Pteridium aquilinum* (L.) Kuhn var. *pubescens* in relation to geographic source, soil nutrients, and forest site. *Diss. Abstr., Sect. B*, 27(3):705B. Sept. 1966. Z5055.U49D53
Studied as an indicator plant.
- 23709 NOSOVA, L. N. Some new data on steppe vegetation of the Orlov Region. (RuS) Moscow. *Univ. Vestnik Ser. 5, Geogr.* 1:104-106. Ref. Jan./Feb. 1966. 331.9 M85
- 23710 NUKHIMOVSKII, E. L. Some data on plants as indicators of salinity of upper soil horizon. (RuS) Moscow. *Univ. Vestnik Ser. 6, Biol.* *Pochvoved.* 2:72-84. Ref. Mar./Apr. 1966. 442.9 M854
- 23711 OBMINSKI, Z. Directions and perspectives of studies on the variation in forest-creating tree species. (Pol) *Sylvan* 109(4):23-30. 1965. 99.8 Sy52
English summary.
- 23712 PASSARGE, H. Forest associations in the Prignitz. (Ge) *Arch. Forstwesen* 15(5/6):475-504, map. Ref. 1966. 99.8 Ar22
English summary.
Ecology.
- 23713 PASSARGE, H. On the sociological organization of Baltic beech-forests in Jutland. (Ge) *Arch. Forstwesen* 15(5/6):505-529. Ref. 1966. 99.8 Ar22
English summary.
- 23714 RADKOV, I. Methods of forest classification in Bulgaria. (Bu) *Selskостopanska Nauk.* 5(3):39-50. Ref. 1966. 21 Se492
Types.
- 23715 RICHARD, J. L. The natural spruce and pine forests of the Jura Mountains. (Fr) *Soc. Neuchâteloise Sci. Natur. Bull.* (ser.3)89:101-112. Ref. 1966. 508 N39
English summary.
Ecology.
- 23716 ROSSITER, R. C. Ecology of the Mediterranean annual-type pasture. *Advances Agron.* 18: 1-56. 1966. 30 Ad9
Review of the literature.
- 23717 SAUERZOPF, F. Vegetation of the Burgenland Province. (Ge) *Gartenbauwirtschaft* (ser.8)9: 203. Sept. 1966. 80 G1936
- 23718 SCHAEFFER, R. Plant associations and microbial status of humus. I. Ecological conditions of humification relevant to *Caricetum gracilis*, association of a mesotrophic fen. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):168-177. Sept. 1966. 448.3 An75
English summary.
- 23719 SCHULZE, F. W. The effects of melioration on the plant communities of grassland in land consolidation areas of the Oberberg District. (Ge) *Z. Kulturtech. Flurbereinigung* 7(4):207-224. July/Aug. 1966. S605.A124
English summary.
- 23700 SCOTTISH MARINE BIOLOGICAL ASSOCIATION. Annual report for the year ended 2nd April 1966. Glasgow, 1963? 53 p. 442.9 Sco8
Includes seaweed ecology.
- 23721 SEMENOVA-TYAN-SHANSKAYA, A. M. Dinamika stepnoi rastitel'nosti [Dynamics of steppe vegetation]. Moskva, Nauka, 1966. 172 p. QK938.M454
Bibliography, p.141-151.
Chiefly ecology.
Includes table of contents and summary in English.
- 23722 SHAMSUDDINOV, Z. SH. Development of *Haloxyton aphyllum* (Minkw.) Iljin and its dependence on the phytocenotic environment in the deserts of Central Asia. (RuS) *Bot. Zhur.* [Moscow] 51(3):420-423. Ref. Mar. 1966. 451 923
- 23723 UTKIN, A. I. Lesa tsentral'noi Yakutia [Forests in central Yakutia]. Moskva, Nauka, 1965. 207 p. Ref. SD232.Y3U8
Types.
- 23724 VEGA C., L. Ecological observations on the oak forests of the Boyaca Mountain Range, Colombia. (Sp) *Turrialba* 16(3):286-296, map. Ref. July/Sept. 1966. 8 T86
English summary.
- 23725 WHATLEY, J. M. S. B. Comparative studies on some components of serpentine and non-serpentine vegetation. *Diss. Abstr., Sect. B*, 27(3):708B. Sept. 1966. Z5055.U49D53
- 23726 ZHELEEV, I. Some problems of forest typology. (Bu) *Selskостopanska Nauk.* 5(2):45-54. 1966. 21 Se492

GENETICS

- 23727 ALAM, M. T. Cytogenetic studies in the *Mimulus glabratus* complex (Scrophulariaceae). *Diss. Abstr., Sect. B*, 27(4):1036B-1037B. Oct. 1966. Z5055.U49D53
- 23728 ALBRECHTSEN, R. S. Components of seed yield and associated characteristics in *Lolium corniculatus* L. *Diss. Abstr., Sect. B*, 27(2): 361B-362B. Aug. 1966. Z5055.U49D53
Genetics.
- 23729 ATSMON, D. Analysis of germination inhibition in the castor bean plant. *Bot. Gaz.* 127 (2/3):140-146. Ref. June/Sept. 1966. 450 B652
Genetic study.
- 23730 BAETCKE, K. P. The structure of an interspecific hybrid population of *Baptisia leucophaea* and *B. sphaerocarpa* based on the use of chemical markers. *Diss. Abstr., Sect. B*, 27 (2):372B-373B. Aug. 1966. Z5055.U49D53
- 23731 BAKER, E. P., and MCINTOSH, R. A. Chromosome translocations identified in varieties of common wheat. *Can. J. Genet. Cytol.* 8(3):592-599. Sept. 1966. 443.8 C16
- 23732 BOZZINI, A., and MARTINI, G. Fertility of interexchange heterozygotes in *Triticum durum* Desf. *Caryologia* 19(2):197-217. Ref. Apr./June 1966. 442.8 C25
- 23733 BYKOV, V. A. Genetical classification of plants. (RuS) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:3-12, map. Ref. July/Aug. 1966. 442.8 AL6
- 23734 CALVORI, C., and MORPURGO, G. Analysis of induced mutations in *Aspergillus nidulans*. I. UV- and HNO₂-induced mutations. *Mutation Res.* 3(2):145-151. Ref. Apr. 1966. 443.8 M98
- 23735 CAUDERON, Y. Cytogenetic study of the material resulting from a cross between "*Triticum aestivum*" and "*Agropyron intermedium*." I. Creation of stable addition lines. (Fr) *Ann. Amelior. Plantes* 16(1):43-70. Ref. 1966. 14 F8499A
English summary.
- 23736 CHEREST, H., and ROBICHON-SZULMAJSTER, H. D. Resistance to ethionine in *Saccharomyces cerevisiae*. I. Genetic study. (Fr) *Genetics* 54(4):981-991. Oct. 1966. 442.8 C28
English summary.

- 23737 CHERNYI, I. V. Effect of gamma rays on changes in the content and quality of gluten in spring wheat. (Rus) Radiobiologiya 5(4):602-604. 1965. 442.8 R11
In relation to mutation.
- 23739 CLAYBERG, C. D., and others. Third list of known genes in the tomato with revised linkage map and additional rules. J. Hered. 57(5):189-196. Ref. Sept./Oct. 1966. 442.8 Am3
L. Butler, E. A. Kerr, C. M. Rick, and R. W. Robinson, joint authors.
- 23739 DANA, S. The cross between *Phaseolus aureus* Roxb. and *P. mungo* L. Genetica 37(2):259-274. Ref. 1966. 442.8 G282
- 23740 DEB, J. Multiple alleles and other factors affecting plasmodium formation in the true slime mold *Physarum polycephalum* Schw. J. Protozool. 13(4):610-616. Ref. Nov. 1966. 439.8 J82
- 23741 DISLERS, V. Variability of quantitative characters in field beans *Vicia faba* under the action of mutagenous factors. (Rus) Latv. PSR Zinat. Akad. Vestis 1:95-102. Ref. 1966. 511 R442
English summary.
Effect of gamma rays, ethylenimine and ethyl methanesulfonate.
- 23742 DRYAGINA, I. V. Irradiation of fruit plants. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved. 1:46-60. Ref. Jan./Feb. 1966. 442.9 M854
Mutation in apples induced by gamma rays and X-rays.
- 23743 ESSMAN, R. H., and STAFF, I. A. Rapid determination of possible numbers of allelic combinations. J. Hered. 57(5):187-188. Sept./Oct. 1966. 442.8 Am3
Tomatoes.
- 23744 FJRLD, A., and STROMNAES, O. The paraxenul cycle and linkage groups in *Penicillium expansum*. Hereditas 54(3):389-403. Ref. 1966. 442.8 H42
- 23745 FROST, S., and ELLERSTROM, S. Protein content and fertility in tetraploid rye. Hereditas 54(2):119-122. Ref. 1965. 442.8 H42
Effect of accessory chromosomes.
- 23746 GICHNER, T., and VELEMINSKY, J. Preliminary tests for determining suitable concentrations of chemomutagens for plants. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(2):81-86. Apr. 1966. QH431.A1S25
English summary.
- 23747 GRANT, V. The origin of a new species of *Gilla* in a hybridization experiment. Genetics 54(5):1189-1199. Ref. Nov. 1966. 442.8 G28
- 23748 GREGORY, W. C., and GREGORY, M. P. Induced mutations in quantitative characters: experimental basis for mutations to hardness in citrus. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:372-396. Ref. 1965, pub. 1966. 56.9 S032
- 23749 GUGLIELMINETTI, R., BONATTI, S., and LOPRIENO, N. The mutagenic activity of N-nitroso-N-methylurethane and N-nitroso-N-ethylurethane in *Schizosaccharomyces pombe*. Mutation Res. 3(2):152-157. Ref. Apr. 1966. 443.8 M98
- 23750 GUNGE, N. Breeding of baker's yeast—determination of the ploidy and an attempt to improve practical properties. Jap. J. Genet. 41(3):203-214. Ref. June 1966. 442.9 J27
- 23751 GUNGE, N. Complementary genes controlling respiration of yeast and their relation to the stability of the cytoplasmic factor. Jap. J. Genet. 41(3):215-223. Ref. June 1966. 442.9 J27
- 23752 GWYNN, G. R. Combining ability in flue-cured tobacco. Tobacco [New York] 163(24):27-32. Dec. 9, 1966. 286.89 T552
- 23753 HACKER, J. B. The inheritance of virescens albinism in *Avena sativa* var. Sun II. Can. J. Genet. Cytol. 8(3):387-392. Ref. Sept. 1966. 443.8 C16
- 23754 HALL, O., and JOHNSON, B. L. Research on phylogenetic kinship of wheat varieties with protein electrophoresis. (Ge) Getreide Mehl 16(9):102-103. Sept. 1966. 298.8 G332
- 23755 HARVEY, B. L. Natural and artificial allo-ploids with 22 pairs of chromosomes in the genus *Carthamus* L. Diss. Abstr., Sect. B, 27(2):365B. Aug. 1966. Z5055.U49D53
- 23756 HOFF, V. J. Cytogenetic observations on some *Eucenotheras* (Onagraceae) of northwestern Arkansas. Southwest. Natur. 11(2):217-222. June 30, 1966. 409.6 S08
- 23757 HOLM, G. Studies on chlorophyll mutations in barley. I. Methods of measuring linkage by single and combined maximum-likelihood formulas, solved by use of an automatic computer and the programming language algol 60. Hereditas 55(1):79-120. Ref. 1966. 442.8 H42
- 23759 HWANG, Y. L., LINDEGREN, C., and LINDEGREN, C. Genetic study of lysine biosynthesis in yeast. Can. J. Genet. Cytol. 8(3):471-480. Ref. Sept. 1966. 443.8 C16
- 23759 IZUKA, M., and JANICK, J. The synthesis of heteromorphic sex chromosomes in spinach. J. Hered. 57(5):182-184. Sept./Oct. 1966. 442.8 Am3
- 23760 IMSHENETSKII, A. A., and KUZURINA, L. A. *Aspergillus niger* variability provoked by combined effect of ethylenimine and ultraviolet irradiation. (Rus) Mikrobiologiya 35(5):812-816. Ref. Sept./Oct. 1966. 446.3 M582
English summary.
Effect on mutation.
- 23761 ITO, T., DOMON, M., and YAMASAKI, T. Further studies on the UV-induced photoreversible and non-photoreversible mutation through the action spectra in yeast cells. Jap. J. Genet. 41(3):233-240. Ref. June 1966. 442.9 J27
- 23762 JAIN, S. K., and SUNESON, C. A. Increased recombination and selection in barley populations carrying a male sterility factor. I. Quantitative variability. Genetics 54(5):1215-1224. Ref. Nov. 1966. 442.8 G28
- 23763 JANA, S. Genetic variability in advanced generations of a population composed originally of two pure lines of *Phaseolus lunatus*. Diss. Abstr., Sect. B, 27(3):697B. Sept. 1966. Z5055.U49D53
- 23764 JORDAN, W. S. Chromatographic analysis of the alcohol-soluble sugars isolated from kernels of maize endosperm mutants. Diss. Abstr., Sect. B, 27(3):697B. Sept. 1966. Z5055.U49D53
- 23765 JULLIARD, B. Intervention of genetic control in the rhizocaine production of grape (*Vitis vinifera* L.). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(11):816-818. Sept. 12, 1966. 505 P21
- 23766 KANNENBERG, L. W. Genetic variability in natural populations of the *Festuca microstachys* complex, a predominantly self-fertilized group of annual grasses. Diss. Abstr., Sect. B, 27(2):366B. Aug. 1966. Z5055.U49D53
- 23767 KHANDIR, M. O. Cytogenetic and evolutionary investigation on *Carthamus* species with 32 pairs of chromosomes. Diss. Abstr., Sect. B, 27(3):698B. Sept. 1966. Z5055.U49D53
- 23768 KHOSHOO, T. N., and MUKHERJEE, I. A translocation heterozygote in garden Canna. Genetica 37(2):255-258. 1966. 442.8 G282
- 23769 KHVOSTOVA, V. V., and MOZHAIEVA, V. S. Mutagenic effect of gamma rays and fast neutrons when treating seeds of winter wheat. (Rus) Radiobiologiya 5(3):440-445. Ref. 1965. 442.8 R11
- 23770 KIHARA, H., and HORI, T. The behavior of nuclei in germinating pollen grains of wheat, rice and maize. Zuchter 36(4):145-150. Ref. 1966. 442.8 Z8
Genetic study.
- 23771 KIMBER, G. Estimate of the number of genes involved in the genetic suppression of the cytological diploidization of wheat. Nature [London] 212(5059):317-318. Oct. 15, 1966. 472 N21
- 23772 KROH, M. Reaction of pollen after transfer from one stigma to another. Contribution to the character of the incompatibility mechanism in Cruciferae. Zuchter 36(4):185-189. Ref. 1966. 442.8 Z8

- 23773 LAMPRECHT, H. Goals, methods and achievements of the plant breeding since times of Mendel. (Ge) Ver. Verbr. Naturwiss. Kenntnisse Wien. Schr. 105:79-92. 1964/65. 510 V672
- 23774 LAMPRECHT, H. The origin of species: The notion of species and the two categories of genes: intraspecific and interspecific genes. (Ge) Ver. Verbr. Naturwiss. Kenntnisse Wien. Schr. 105:61-77. 1964/65. 510 V672 Plants.
- 23775 LAW, C. N., and WOLFE, M. S. Location of genetic factors for mildew resistance and ear emergence time on chromosome 7B of wheat. Can. J. Genet. Cytol. 8(3):462-470. Ref. Sept. 1966. 443.8 C16
Erysiphe graminis as pathogen.
- 23776 LINDSTROM, J. Colchicine treatments of polyploids in the group Hordeae. Hereditas 54(2):177-201. Ref. 1965. 442.8 H42
Rye and wheat.
- 23777 LINDSTROM, J. Transfer to wheat of accessory chromosomes from rye. Hereditas 54(2):149-155. Ref. 1965. 442.8 H42
- 23778 LUND, H. R. Factors influencing chemical mutagenesis in seeds, pollen and proembryo of maize. Diss. Abstr., Sect. B, 27(2):367B-368B. Aug. 1966. Z5055.U49D53
- 23779 LYSIKOV, V. N. Obtaining new corn forms by gamma and neutron irradiation of pollen. (Rus) Radiobiologiya 5(4):623-624. 1965. 442.8 R11
Mutations.
- 23780 MAAN, S. S., and LUCKEN, K. A. Development and use of an aneuploid set of male sterile Chinese spring wheat in Triticum timopheevi Zhuk. cytoplasm. Can. J. Genet. Cytol. 8(3):398-403. Sept. 1966. 443.8 C16
- 23781 MACDONALD, K. D., HUTCHINSON, J. M., and GILLET, W. A. Heterozygous diploids of *Penicillium chrysogenum* and their segregation patterns. Genetica 36(4):378-397. Ref. 1965. 442.8 G282
- 23782 MAHLBERG, P. G., and VENKETESWARAN, S. Pigment analysis of normal and proliferated genetical strains of *Nicotiana* under cultural conditions. Bot. Gaz. 127(2/3):114-119. Ref. June/Sept. 1966. 450 B652
- 23783 MAJID, R. Efficacy of seedling grafting for overcoming interspecific incompatibility in Lycopersicon. Cur. Sci. 35(16):420. Aug. 20, 1966. 475 Sci23
Lycopersicon esculentum and *L. peruvianum*.
- 23784 MARSHALL, H. H. Genotype recognition in peas by water imbibition of seeds. Can. J. Plant Sci. 46(5):545-551. Ref. 1966. 450 C16
- 23785 MCINTOSH, R. A., and BAKER, E. P. Chromosome location of mature plant leaf resistance in Chinese spring wheat. Australian J. Biol. Sci. 19(5):943-944. Oct. 1966. 442.8 Au72
Caused by *Puccinia recondita*.
- 23786 MCLENNAN, H. A., ARMSTRONG, J. M., and KASHA, K. J. Cytogenetic behaviour of alfalfa hybrids from tetraploid by diploid crosses. Can. J. Genet. Cytol. 8(3):544-555. Ref. Sept. 1966. 443.8 C16
- 23787 METTIN, D., and TSCHAWDAROFF, G. A. Investigations on frequency and transmission of aneuploid types in autotetraploid barley. (Ge) Zuchter 36(3):98-103. Ref. 1966. 442.8 Z8
English summary.
- 23788 NAKAMURA, K. Heterogeneity in crossing-over frequency in *Neurospora*. Genetica 37(2):235-246. Ref. 1966. 442.8 G282
- 23789 NAMKOONG, G. Statistical analysis of introgression. Biometrics 22(3):488-502. Ref. Sept. 1966. 442.8 B524
Pinus
- 23790 NATARJAN, A. T., and RAMANNA, M. S. Modification of relative mutagenic efficiency in barley of mesyloxy esters by different treatments. Nature [London] 211(5053):1099-1100. Sept. 3, 1966. 472 N21
Ethyl methanesulfonate, methyl methanesulfonate and 1,4-dimethylsulphoxybutane (myle-ran).
- 23791 NITZSCHE, W. The inheritance of fluorescence in ryegrass (*Lolium* spp.). (Ge) Z. Pflanzenzucht. 56(1):88-95. Aug. 1966. 450 Z36
English summary.
- 23792 NUZHIDIN, N. I., PASTUSHENKO-STRELETS, N. A., and SHANGIN-BEREZOVSKI, G. N. Effects of ecological growing conditions and physiological state of seeds (maturity stage) on radiosensitivity and frequency and characteristics of hereditary changes in gamma-irradiated barley. (Rus) Akad. Nauk SSSR. Inst. Genet. Tr. 32:18-68. Ref. 1965. 442.9 P44
English summary.
Mutations.
- 23793 ORR, A. R. Histochemical studies of gene action on the development of *Zea mays* L. Diss. Abstr., Sect. B, 27(2):376B. Aug. 1966. Z5055.U49D53
- 23794 PELSHEK, P. F. On the genetic difference between wheats for food pastes and wheats for bread. (Ge) Getreide Mehl 16(9):100-102. Sept. 1966. 298.8 G332
- 23795 PINCHINAT, A. M., and ADAMS, M. W. Yield components in beans, as affected by intercrossing and neutron irradiation. Turrialba 16(3):247-252. July/Sept. 1966. 8 T86
- 23796 QUALSET, C. O., and SCHALLER, C. V. Aleurone color and quantitative genetic variability in isogenic lines of barley. Can. J. Genet. Cytol. 8(3):584-591. Ref. Sept. 1966. 443.8 C16
- 23797 QUALSET, C. O. Quantitative gene action and plant spacing effects in isogenic lines of barley. Diss. Abstr., Sect. B, 27(2):368B-369B. Aug. 1966. Z5055.U49D53
- 23798 RAJHATHY, T., and SYMKO, S. The synthesis of a species: *Hordeum arizonicum*. Can. J. Bot. 44(9):1224-1228. Sept. 1966. 470 C16
Genetical study.
- 23799 RAMSEY, R. H. Genetic interaction between closely related genotypes of *Pleiospora herbarum*. Diss. Abstr., Sect. B, 27(3):669B. Sept. 1966. Z5055.U49D53
- 23800 ROMMEL, M. Cytogenetics of autotetraploid sugar beets (*Beta vulgaris* L.). II. The type of numerical chromosome reproduction. Zuchter 36(3):122-126. Ref. 1966. 442.8 Z8
- 23801 RUTGER, J. N. Phenotypic and genotypic variation and covariation in agronomic and matting quality characters in barley. Diss. Abstr., Sect. B, 27(2):369B-370B. Aug. 1966. Z5055.U49D53
Includes yields.
- 23802 SAMPSON, D. R. Genetic analysis of Brassica oleracea using nine genes from sprouting broccoli. Can. J. Genet. Cytol. 8(3):404-413. Sept. 1966. 443.8 C16
- 23803 SARVELLA, P., and GROGAN, C. O. Inverted ear mutant in *Zea mays* L. J. Hered. 57(5):211-212. Sept./Oct. 1966. 442.8 Am3
- 23804 SCHEEL, H. Research on a white-variegated clone of *Armoracia lapathifolia* Gilib. (Ge) Zuchter 36(3):135-139. Ref. 1966. 442.8 Z8
- 23805 SCOTT-EMUAKPOR, M. B. Random segregation in *Neurospora crassa*. Genetica 36(4):407-411. 1965. 442.8 G282
- 23806 SENANAYAKE, Y. D. A. Morphological, cytological and biochemical studies on *Fragaria* interspecific hybrids and on *Fragaria-Potentilla* intergeneric hybrids. Diss. Abstr., Sect. B, 27(3):698B. Sept. 1966. Z5055.U49D53
- 23807 SHALABY, G. I. Genetic and environmental factors affecting internal doubling in onions, *Allium cepa* L. Diss. Abstr., Sect. B, 27(4):1040B. Oct. 1966. Z5055.U49D53
- 23808 SHANGIN-BEREZOVSKI, G. N. Effect of ethylenimine on development and variations in fast-neutrons irradiated barley, growing under various ecological conditions. (Rus) Akad. Nauk SSSR. Inst. Genet. Tr. 32:69-80. 1965. 442.9 P44
English summary.
Includes mutations.
- 23809 SHANGIN-BEREZOVSKI, G. N. Selection and occurrence of chlorophyll mutations. (Rus) Akad. Nauk SSSR. Inst. Genet. Tr. 32:81-93. Ref. 1965. 442.9 P44
English summary.
In barley irradiated by gamma rays and fast neutrons.

- 23810 SHERMAN, W. B. Evaluation and inheritance of fruit size in strawberry. Diss. Abstr., Sect. B, 27(2):348B. Aug. 1966. Z5055.U49D53
- 23811 SHEVCHENKO, V. A. Effect of X-rays on survival and mutagenic processes in *Chlorella* [vulgaris and ellipsoidea]. (Rus) Radiobiologiya 5(2):253-259. 1965. 442.8 R11
- 23812 SKIEBE, K. Polyploid breeding and its effect. (Ge) Biol. Rundsch. 4(2):70-86. Ref. 1966. 442.8 B5272
- 23813 SMILEY, J. H., and STOKES, G. W. Induction and identification of tetraploidy in burley tobacco. Tobacco [New York] 163(22):39-32. Nov. 25, 1966. 286.8 89 T552
- 23814 SNOAD, B. The chromosomes and linkage groups of *Pisum*. Genetica 37(2):247-254. Ref. 1966. 442.8 G282
- 23815 SOLIGNAT, G. Xenia, early manifestation of heterosis in the sweet chestnut. (Fr) Ann. Amellor. Plantes 16(1):71-80. 1966. 14 P8499A
- 23816 SOLOMKO, E. A. Potato mutations induced by ionizing irradiation of vegetative parts of the plants. (Rus) Radiobiologiya 5(4):547-554. Ref. 1965. 442.8 R11
- 23817 STEL'MAKH, A. F. Study of heredity of some productivity indices of polyploid sugar beets. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(3):199-201. Mar. 1966. 511 M663D
- 23818 SYBENGA, J. The quantitative analysis of chromosome pairing and chiasma formation based on the relative frequencies of M I configurations. IV. Interchange heterozygotes. Genetica 37(2):199-206. 1966. 442.8 G282
- 23819 THOMAS, H., and RAJATHATHY, T. A gene for desynapsis and aneuploidy in tetraploids *Avena*. Can. J. Genet. Cytol. 8(3):506-515. Ref. Sept. 1966. 443.8 C16
- 23820 THOMAS, H. Hypoploid variability in hexaploid oats, *Avena sativa*. Can. J. Genet. Cytol. 8(3):568-574. Ref. Sept. 1966. 443.8 C16
- 23821 THRELKELD, S. F. H., and STEPHENS, V. Ascospore isolates of *Neurospora crassa* giving rise to cultures containing two or more genetically different nuclei. Can. J. Genet. Cytol. 8(3):414-421. Sept. 1966. 443.8 C16
- 23822 THURMAN, L. D. Genecological studies in *Orthocarpus*, subgenus *Triphysaria* (Scrophulariaceae). Diss. Abstr., Sect. B, 27(3):706B-707B. Sept. 1966. Z5055.U49D53
- 23823 THWARTES, W. M. A mutation reducing arginine sensitivity of suppressed PYR-3 mutants in *Neurospora*. Diss. Abstr., Sect. B, 27(2):371B. Aug. 1966. Z5055.U49D53
- 23824 WALLACE, A. T. Induced mutations at specific loci in higher plants. I. Relationships to seedling heights and chlorophyll deficiencies. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:396-410. Ref. 1965, pub. 1966. 56.9 S032
- 23825 WEHRHAHN, C. F. The gene basis for differences in quantitative characters between two varieties of *Triticum aestivum* L. Diss. Abstr., Sect. B, 27(2):371B. Aug. 1966. Z5055.U49D53
- 23826 WELER, J., and WEISBERG, S. H. Karokinesis of the somatic nucleus of *Aspergillus nidulans*. I. The juvenile chromosome cycle (Feulgen staining). Can. J. Genet. Cytol. 8(3):361-374. Ref. Sept. 1966. 443.8 C16
- 23827 WELLS, D. G. Linkage between genes for reaction to powdery mildew and for length of vernalization requirement in wheat. J. Hered. 57(5):201-202. Sept./Oct. 1966. 442.8 Am3
- 23828 ZILM, B. Cytogenetic study of *Asparagus officinalis* L. in its relation to the breeding of pure male and polyploid varieties. (Ge) Z. Pflanzenzucht, 56(1):1-26. Ref. Aug. 1966. 450 Z36
- 23829 ZIMMERMANN, F. K., SCHWAIER, R., and VON LAER, U. The effect of residual growth on the frequency of reverse mutations induced with nitrous acid and 1-nitroso-imidazolidone-2 in yeast. Mutation Res. 3(2):171-173. Apr. 1966. 443.8 M98
- PHYSIOLOGY AND BIOCHEMISTRY
- 23830 ACKMAN, R. G., TOCHER, C. S., and MC-LACHLAN, J. Occurrence of dimethyl-beta-prothioethin in marine phytoplankton. Can. Fish. Res. Board, J. 23(3):357-364. Ref. Mar. 1966. 442.9 C16J
- 23831 ADAM, G., and SCHREIBER, K. Photochemical reactions. VII-VIII. (Ge) Tetrahedron 22(10):3581-3595. Oct. 1966. 382 T29
- 23832 AGETA, H., and IWATA, K. Fern constituents: adipedatol, fillicanal and other triterpenoids isolated from *Adiantum pedatum*. Tetrahedron Lett. 48:6069-6074. Dec. 1965. 385 T29
- 23833 AGETA, H., and others. Fern constituents: hydroxyadiantone and ketohakanol isolated from *Adiantum monochlamys*. Tetrahedron Lett. 48:5679-5684. Nov. 1966. 385 T29
- 23834 AKTIN, E., and GUVEN, K. C. Studies on antilipemic properties of the algae collected from Turkish coasts. III. *Sargassum vulgare* Ag., *Polysiphonia subulifera* (C. Agardh) Harvey. Qualitas Plant. Mater. Veg. 12(2):210-215. June 30, 1965. 64.8 M41
- 23835 AKULOVICH, N. K., GODNEV, T. N., and DO-MASH, V. I. Determination of phytochromes in green plants. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(6):601-603. Aug. 1966. 511 M663D
- 23836 ALLEN, E. K., and ALLEN, O. N. Nonleguminous plant symbiosis. Biol. Colloq. [Proc.], 25th Annu. Colloq.:77-106. Ref. 1964, pub. 1965. 442.9 B524
- 23837 AMERICAN WATER WORKS ASSOCIATION. TASK GROUP 2610P. Nutrient-associated problems in water quality and treatment. Amer. Water Works Ass. J. 58(10):1337-1355, map. Ref. Oct. 1966. 292.9 Am32F
- 23838 AMESZ, J., and VIERENBERG, W. J. Near-infrared action spectra of fluorescence, cytochrome oxidation and shift in carotenoid absorption in purple bacteria. Biochim. Biophys. Acta 126(2):254-261. Ref. Oct. 10, 1966. 381 B522
- 23839 ANDREYENKO, S. S., and RUBIN, B. A. Plant physiology and intensification of crop production. U. S. Joint Publ. Res. Serv. [Transl.] Plant Physiol. Effect Fert. Crops Build-up Radioact. Prod. USSR. Dec. 22, 1964:1-9. (JPRS 27,940; TT 64-51982) 173 J663PL
- 23840 APPEL, H., and ACHENBACH, H. The structure of the alkaloid sinin (=lythridin) from *Heimia salicifolia*. (Ge) Tetrahedron Lett. 46:5789-5793. Nov. 1966. 385 T29
- 23841 ARIZ, W. H., and WIERSEMA, E. P. Symplasmatic long distance transport in *Vallisneria* [spiralis] plants investigated by means of autoradiograms. Ia-Id. Koninklijke Ned. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(2):223-241. Ref. 1966. 442.9 Am8
- 23842 ASEVA, K. B., EVSTIGNEVA, Z. G., and KRETOVICH, W. L. Composition of amino acid in nodules of *Alnus*, beans and lupine. (Rus) Akad. Nauk SSSR. Dokl. 169(2):463-465. Ref. 1966. 511 P444A
- 23843 ASHWORTH, J. M. Studies on the ribosomes of the cellular slime molds. Biochim. Biophys. Acta 129(1):211-213. Oct. 24, 1966. 381 B522
- 23844 BABIEVA, I. P., and MEAVAD, H. On two types of spore formation in *Lipomyces*. (Rus) Mikrobiologiya 35(6):824-828. Ref. Sept./Oct. 1966. 443.3 M582
- 23845 BAIER, W. Studies on dew formation under semi-arid conditions. Agr. Meteorol. 3(1/2):103-112. Ref. Feb. 1966. 340.8 Ag8
- In the Republic of South Africa.
On crops.

- 23846 BAILEY, R. H. Studies on the dispersal of lichen soredia. *Linn. Soc. London, J. Bot.* 59 (380):479-490. Ref. July 1966. 451 L64J
- 23847 BAILLAUD, L. Twenty-four hour periodicity in the internode succession along the stems growing rapidly. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(6):597-600. Aug. 8, 1966. 505 P21
- 23848 In *Convolvulus sepium* and *Bryonia dioica*.
- 23849 BAJAJ, Y. P. S. Behavior of embryo segments of *Dendrophthoe falcata* (L.f.) Ettings. in vitro. *Can. J. Bot.* 44(9):1127-1131. Sept. 1966. 470 C16C
- 23849 BAKER, E. A., MARTIN, J. T., and WILSON, A. P. The distribution of diosgenin in *Dioscorea* spp. *Ann. Appl. Biol.* 58(2):203-211. Ref. Oct. 1966. 442.8 An72
- 23850 BALDRY, C. W., BUCKE, C., and WALKER, D. A. Temperature and photosynthesis. I. Some effects of temperature on carbon dioxide fixation by isolated chloroplasts. *Biochim. Biophys. Acta* 126(2):207-213. Ref. Oct. 10, 1966. 381 B522
- 23851 BALOUN, J., BEJISOVCOVA, L., and MESSER-SCHMIDTOVA, A. Some factors affecting the exactitude of the determination of tannins in plants material by the biological method. (Cz) *Biologia [Bratislava]* 21(7):522-528. Ref. 1966. 442.3 B5265
- German summary.
- Earthocyte sedimentation reaction.
- 23852 BATYGIN, N. F., and MISYUK, L. A. Dependence of radiosensitivity of plants on their physiological state. (Rus) *Radiobiologiya* 5(5): 738-743. Ref. 1965. 442.8 R11
- 23853 BECKING, J. H. Nutrition interactions between plants and actinomycetes; general report (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):211-246. Ref. Sept. 1966. 448.3 An75
- English summary.
- 23854 BENKERT, K. The occurrence and determination of mustard oil glucosides from plants. (Ge) *Naturwissenschaften* 53(8):200. Apr. 15, 1966. 474 N213
- Cheiranthus cheiri*.
- 23855 BENNUN, A., and BLUM, J. J. Properties of the induced acid phosphatase and of the constitutive acid phosphatase of *Euglena*. *Biochim. Biophys. Acta* 128(1):106-123. Ref. Oct. 17, 1966. 381 B522
- 23856 BERGEAUX, P. J. Trace elements. *Ga. Univ. Ext. Bull.* 650,18 p. Apr. 1966. 275.29 G29B
- In plants.
- 23857 BERLINER, M. D., and NEURATH, P. W. Control of rhythmic growth of a *Neurospora* "clock" mutant by sugars. *Can. J. Microbiol.* 12(5):1068-1070. Oct. 1966. 448.8 C162
- Neurospora crassa*.
- 23858 BLUMBERG, W. E., and PEISACH, J. The optical and magnetic properties of copper in *Chenopodium album* plastocyanin. *Biochim. Biophys. Acta* 126(2):269-273. Ref. Oct. 10, 1966. 381 B522
- 23859 BOND, T. E., MORRISON, S. R., and KELLY, C. F. Measurement of incoming "short" and "long" wavelength radiation with directional thermopile radiometers. *Amer. Soc. Agr. Eng. Pap.* 325,14 p. Ref. 1966. 290.9 Am32P
- In plants, animals, and man.
- 23860 BOOTH, J. R. The kinetics of a photosynthetic gas exchanger with laminar flow during low intensity illumination. *Diss. Abstr.*, Sect. B, 27 (4):1130B. Oct. 1966. Z5055.U49D53
- Chlorella pyrenoidosa*.
- 23861 BOULLARD, B. Nutritional interaction between plants and fungi; general report. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):267-289. Ref. Sept. 1966. 448.3 An75
- Soils fungi.
- 23862 BOUMA, D., and DOWLING, E. J. The physiological assessment of the nutrient status of plants. II-III. *Australian J. Agr. Res.* 17(5): 633-655. Sept. 1966. 23 Au783
- II. The effect of the nutrient status of the plant with respect to phosphorus, sulphur, potassium, calcium, or boron on the pattern of leaf area response following the transfer to different nutrient solutions; III. Experiments with plants raised at different nitrogen levels.
- 23863 BRAY, J. R., SANGER, J. E., and ARCHER, A. L. The visible albedo of surfaces in central Minnesota. *Ecology* 47(4):524-531. Ref. Summer 1966. 410 Ec7
- Measurement of reflection of solar radiation by vegetation.
- 23864 BRODY, S., and TATUM, E. L. The primary biochemical effect of a morphological mutation in *Neurospora crassa*. *Nat. Acad. Sci. Proc.* 56(4):1290-1297. Ref. Oct. 1966. 500 N21P
- 23865 BROOKS, A. E. Physiology and genetics of *Astrephomene gubernaculifera*. *Diss. Abstr.*, Sect. B, 27(2):373B. Aug. 1966. Z5055.U49D53
- 23866 BRUCHET, G., and VALLA, G. Study of mycelial cellulase and pectinase in *Helveloma*. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(4): 336-338. July 25, 1966. 505 P21
- 23867 BURT, R. L. Some effects of temperature on carbohydrate utilization and plant growth. *Australian J. Biol. Sci.* 19(4):711-714. Ref. Aug. 1966. 442.8 Au72
- 23868 BUTTERFIELD, N. W. Greenhouse atmospheres as they affect plant growth. *Amer. Soc. Agr. Eng. Pap.* 406,15 p. 1966. 290.9 Am32P
- Carbon dioxide level.
- 23869 CAMPOSANO, T. Weighable values of the development of some Hyphomycetes in the rarified oxygen atmosphere. (It) *Ist. Super. Sanit. Ann.* 1(1/6):198-205. 1965. R65.18
- English summary.
- 23870 CARNDUFF, J., HARGREAVES, K. R., and NECHIVATAL, A. Constituents of the Hypericum androsaemum. *Phytochemistry* 5(5):1029. Sept. 1966. 450 P5622
- 23871 CASTAGNOLI, N., and MANTLE, P. G. Occurrence of D-lysergic acid and 6-methylergol-8-ene-8-carboxylic acid in cultures of *Claviceps purpurea*. *Nature [London]* 211(5051):859-860. Aug. 20, 1966. 472 N21
- 23872 CHANCE, B., and others. Light-induced intravesicular pH changes in *Rhodospirillum rubrum* chromatophores. *Arch. Biochem. Biophys.* 117(1):158-166. Ref. Oct. 1966. 381 Ar2
- M. Nishimura, M. Avron, and M. Baltscheffsky, joint authors.
- 23873 CHAPMAN, D. J., and TOCHER, R. D. Occurrence and production of carbon monoxide in some brown algae. *Can. J. Bot.* 44(10):1438-1442. Oct. 1966. 470 C16C
- In *Pelagophycus porra*, *P. giganteus* and *Nereocystis luetkeana*.
- 23874 CHOI, J. Y. Polygenic variation in some quantitative characters after seed irradiation of *Arabidopsis thaliana*. (Ko) *Chunchon Nongkwa Taehak. Yon'gu Nonmunjip.* J. 1:32-38. Ref. July 1965. S19.C5
- 23875 CLICK, R. E., and HACKETT, D. P. The isolation of ribonucleic acid from plant, bacterial or animal cells. *Biochim. Biophys. Acta* 129 (1):74-84. Ref. Oct. 24, 1966. 381 B522
- 23876 CODDINGTON, A., FINCHAM, J. R. S., and SUNDARAM, T. K. Multiple active varieties of *Neurospora glutamate dehydrogenase* formed by hybridization between two inactive mutant proteins in vivo and in vitro. *J. Mol. Biol.* 17(2): 503-512. Ref. June 1966. 442.8 J8224
- 23877 CORLETT, M. P. Developmental studies in the Microasaceae and the genus *Chaetomium*. *Diss. Abstr.*, Sect. B, 27(3):702B. Sept. 1966. Z5055.U49D53
- 23878 COST, K. Enzymatic reactions in *Rhodospirillum rubrum*: studies on the reduction of 2,3-dimethoxy-5-methyl-1,4-benzoquinone by isolated chromatophores. *Diss. Abstr.*, Sect. B, 27(4):1056B. Oct. 1966. Z5055.U49D53
- 23879 COSTER, H. G. L. Chloride in cells of *Chara australis*. *Australian J. Biol. Sci.* 19(4):545-554. Ref. Aug. 1966. 442.8 Au72
- 23880 CRAIGIE, J. S., and others. Photosynthesis in algae. II. Green algae with special reference to *Dunaliella* spp. and *Tetraselmis* spp. *Can. J. Bot.* 44(10):1247-1254. Ref. Oct. 1966. 470 C16C
- J. McLachlan, W. Majak, R. G. Ackman, and C. S. Tocher, joint authors.

- 23881 CROMWELL, B. T., and RICHARDSON, M. Studies on the biogenesis of some simple amines and quaternary ammonium compounds in higher plants. Trimethylamine in *Chenopodium vulvaria* L. *Phytochemistry* 5(4):735-746. Ref. July 1966. 450 P5622
- 23882 CUMMINS, J. T., STRAND, J. A., and VAUGHAN, B. E. Sodium transport in *Ulva*. *Biochim. Biophys. Acta* 126(2):330-337. Ref. Oct. 10, 1966. 381 B522
- 23883 CUSHING, D. H., and NICHOLSON, H. F. Method of estimating algal production rates at sea. *Nature [London]* 212(5059):310-311. Oct. 15, 1966. 472 N21
- 23884 DAFNI, Z., and SHILO, M. The cytotoxic principle of the phytoflagellate *Prymnesium parvum*. *J. Cell Biol.* 28(3):461-471. Ref. Mar. 1966. 442.8 J828
- 23885 DAVIS, E. B., and TISCHER, R. G. Photochemical reduction of elemental nitrogen by *Anabaena flos-aquae* A-37. *Nature [London]* 212(5059):302-303. Oct. 15, 1966. 472 N21
- 23886 DAWSON, R. M., and others. Acidic constituents of *Dodonaea lobulata*. *Australian J. Chem.* 19(11):2133-2142. Nov. 1966. 477 Au73
M. W. Jarvis, P. R. Jefferies, T. G. Payne, and R. S. Rosich, joint authors.
Diterpenes and flavone.
- 23887 DECHEV, G., TOMOVA, N., and SECHENSKA, M. On the possible enzymatic pathways of the electron to the molecular oxygen in electron-transport reactions of photosynthesis. *Bulg. Akad. Nauk. Dokl.* 19(6):531-534. Ref. 1966. 512 S62
- 23888 DEMINA, A. S., YAKOVLEV, V. I., and KRETOVICH, V. L. *Aspergillus niger* alanine dehydrogenase. (Rus) *Mikrobiologiya* 35(5):767-772. Ref. Sept./Oct. 1966. 448.3 M582
English summary.
- 23889 DENARIE, J., and BLACHERE, H. Inoculation of seeds of cultivated plants with bacterial strains. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):57-74. Ref. Sept. 1966. 448.3 An75
English summary.
Of *Azotobacter*.
- 23890 DENTON, T. E. The effect of a strontium replacement for calcium on carbohydrates and other products of photosynthesis in *Protosiphon botryoides*. *Diss. Abstr.*, Sect. B, 27(2):590B. Aug. 1966. Z5055.U49D53
- 23891 DESBOROUGH, S., and PELOQUIN, S. J. Disc electrophoresis of tuber proteins from *Solanum* species and interspecific hybrids. *Phytochemistry* 5(4):727-733. Ref. July 1966. 450 P5622
- 23892 DEVYS, M., and BARBIER, M. Cholesterol in the pollen of the great dandelion, *Hyopchoeris radicata*. (Fr) *Phytochemistry* 5(5):1031-1033. Sept. 1966. 450 P5622
English summary.
- 23893 DODD, J. D., and COUPLAND, R. T. Osmotic pressures of native plants of saline soil in Saskatchewan. *Can. J. Plant Sci.* 46(5):479-485. Ref. Sept. 1966. 450 C16
- 23894 DOMMERGUES, Y. Symbiotic fixation of nitrogen in *Casuarina*. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):247-258. Ref. Sept. 1966. 448.3 An75
English summary.
Casuarina equisetifolia and *C. cunninghamiana*.
- 23895 DOUGHERTY, R. C., and others. Structure of chlorophyll c. *Amer. Chem. Soc. J.* 88(21):5037-5038. Nov. 5, 1966. 381 Am33J
H. H. Strain, W. A. Svec, R. A. Uphaus, and J. J. Katz, joint authors.
- 23896 DUFF, D. C. B., BRUCE, D. L., and ANTIA, N. J. The antibacterial activity of marine planktonic algae. *Can. J. Microbiol.* 12(5):877-884. Ref. Oct. 1966. 448.8 C162
- 23897 EBRINGER, L. Antibiotics and apochlorosis. I. Macrolide antibiotics—their common molecular structure responsible for bleaching of *Euglena gracilis*. *Folia Microbiol.* 11(5):379-386. Ref. 1966. 448.3 C332
- 23898 EDELMAN, M., EPSTEIN, H. T., and SCHIFF, J. A. Isolation and characterization of DNA from the mitochondrial fraction of *Euglena*. *J. Mol. Biol.* 17(2):463-469. Ref. June 1966. 442.8 J8224
- 23899 EL'PINER, I. Y. In the world of inaudible sounds (ultrasonics in biophysics). U. S. Joint Publ. Res. Serv. [Transl.] *Biol. Its Allies, USSR*, Mar. 25, 1965:50-69. (JPRS 29,292; TT 65-30591) 173 J663Ba
Includes effects on plants.
Translation from *Biologiya i Yee Soyuzniki VIII Series, Biologiya i Meditsina* 17:18-49-68, 1964.
Issued by CFSTI \$3.00.
- 23900 EPSTEIN, E. Identification of 1-(α -carboxyphenylamino)-1-deoxyribulose and anthranilic acid in cultures of the basidiomycete *Schizophyllum commune*. *Nature [London]* 211(5051):855-856. Ref. Aug. 20, 1966. 472 N21
- 23901 ERICKSON, R. O. Relative elemental rates and anisotropy of growth in area: a computer programme. *J. Expt. Bot.* 17(51):390-403. Ref. May 1966. 450 J8224
Xanthium.
- 23902 ESPENSHADE, M. A., and GRIFFITH, E. W. Tumor-inhibiting Basidiomycetes; isolation and cultivation in the laboratory. *Mycologia* 58(4):511-517. Ref. July/Aug. 1966. 450 M99
- 23903 FALLOT, J., and others. Action of *Bacillus megaterium* and *Pseudomonas fluorescens* on excised roots growth. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):75-88. Ref. Sept. 1966. 448.3 An75
J. Rouch, F. Salacroup, and S. Cabassy, joint authors.
English summary.
Radishes, vetch and flax tested.
- 23904 FAUGERAS, G., and PARIS, R. R. Cineverine (veratroyl-oxy-13-lupanine), new alkaloid ester of Papilionaceae. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):436-438. July 25, 1966. 506 P21
Isolated from *Genista cinerea*.
- 23905 FAY, P., and COX, R. M. Decarboxylation performed by particulate fractions of two nitrogen-fixing blue-green algae. *Biochim. Biophys. Acta* 126(2):402-404. Oct. 10, 1966. 381 B522
Anabaena cylindrica and *Chlorogloea fritschii*.
- 23906 FERGUS, C. L. Paraffin utilization by thermophilic fungi. *Can. J. Microbiol.* 12(5):1067-1068. Oct. 1966. 448.8 C162
- 23907 FITZPATRICK, E. A., and STERN, W. R. Estimates of potential evaporation using alternative data in Penman's formula. *Agr. Meteorol.* 3(3/4):225-239. Ref. May 1966. 340.8 Ag8
- 23908 FREDERICQ, H. Action of red and far-red light at the end of the short day, and in the middle of the night, on flower induction in *Kalanchoe blossfeldiana*. *Biol. Jaarb.* 33:66-91. Ref. 1965. 410 B52
- 23909 FREEMAN, G. G. Isolation of alternariol and alternariol monomethyl ether from *Alternaria dauci* (Kuhn) Groves and Skolko. *Phytochemistry* 5(4):719-725. Ref. July 1966. 450 P5622
- 23910 FUJIMORI, E., and PECCI, J. Dissociation and association of phycocyanin. *Biochemistry* 5(11):3500-3508. Nov. 1966. 381 B523
From *Anacystis nidulans*.
- 23911 FUJISAWA, H. Role of nucleic acid and protein metabolism in the initiation of growth at germination. *Plant Cell Physiol.* 7(2):185-197. Ref. July 1966. 450 P699
Raphanus.
- 23912 GARGULY, A. K., and others. Alkaloids of *Vepria bilocularis*. *Indian J. Chem.* 4(7):334-335. July 1966. 385 In294
T. R. Govindachari, A. Manmade, and P. A. Mohamed, joint authors.
- 23913 GEISSMAN, T. A., and others. Studies on the biosynthesis of gibberellins from (\pm)-kaurenoic acid in cultures of *Gibberella fujikuroi*. *Phytochemistry* 5(5):933-947. Ref. Sept. 1966. 450 P5622
A. J. Verbiscar, B. O. Phinney and G. Cragg, joint authors.
- 23914 GERVAY, J. E. Studies in natural products. I. The biosynthesis of Erythrina alkaloids. II. An attempted in vitro demethylation of lanosterol. *Diss. Abstr.*, Sect. B, 27(3):752B. Sept. 1966. Z5055.U49D53

- 23915 GILEVA, E. A., TIMOFEEVA, N. A., and TIMOFEEV-RESOVSKII, N. V. Effect of single gamma irradiation with cobalt⁶⁰ on growth of *Chlorella [vulgaris]* culture. (Rus) Radiobiologiya 5(5):732-734. 1965. 442.8 R11
- 23916 GRABLE, A. R. Soil aeration and plant growth. Advances Agron. 18:57-106. 1966. 30 Ad9
Review of the literature.
- 23917 GRIFFITHS, W. T., WALLWORK, J. C., and PENNOCK, J. F. Presence of a series of plant-oquinones in plants. Nature [London] 211(5053): 1037-1039. Ref. Sept. 3, 1966. 472 N21
- 23918 GRODZINSKII, D. M., BIDZILYA, N. I., and GOLIKOVA, O. P. Factors of radiosensitivity of plants under gamma irradiation. (Rus) Radiobiologiya 5(4):596-601. 1965. 442.8 R11
- 23919 GUREVICH, S. M., and KARTSEVA, L. N. Content of phosphorus compounds in agricultural plants at various levels of nutrition. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:1-11. (JPRS 27,230; TT 64-51458) 173 J663Uc
Translation from Khimiya v Sel'skom Khoz-yaystve 8:2-6, Aug. 1964. CFSTI \$3.00.
- 23920 HALASZ, A. Experiments into the cultivation of single-cell algae in the laboratory. (Hu) Budapest, Kozponti Elemiszertanipari Kutatointe-zet Kolzlem. 1:17-21. 1966. 389.9 B85
English summary.
- 23921 HART, N. K., and PRICE, J. R. Alkaloids of the Australian Rutaceae: *Lunasia gerculifolia*. III. Australian J. Chem. 19(11):2185-2187. Nov. 1966. 475 Au73
- 23922 HASSID, W. Z. Biosynthesis of the cellulose. (Ge) Umschau 65(21):681. Nov. 1, 1965. 474 Um7
In plants.
- 23923 HAYES, A. W., DAVIS, N. D., and DIENER, U. L. Effect of aeration on growth and adatox-in production by *Aspergillus flavus* in sub-merged culture. Appl. Microbiol. 14(6):1019-1021. Ref. Nov. 1966. 448.3 Ap5
- 23924 HEIT, C. E. Propagation from seed. 3. Ten ways laboratory seed tests can help growers. Amer. Nurseryman 124(12):10-11, 40-45, 48-49. Dec. 15, 1966. 80 Am371
Germination study.
- 23925 HERTZBERG, S., and JENSEN, S. L. The carotenoids of blue-green algae. I. The carotenoids of *Oscillatoria rubescens* and an *Athrosira* sp. Phytochemistry 5(4):557-563. Ref. July 1966. 450 P5622
- 23926 HERTZBERG, S., and JENSEN, S. L. The carotenoids of blue-green algae. II. The carotenoids of *Aphanizomenon flos-aquae*. Phytochemistry 5(4):565-570. Ref. July 1966. 450 P5622
- 23927 HICKMAN, D. W. Mineral requirements of selected species of aquatic Hyphomycetes. Diss. Abstr., Sect. B, 27(3):946B. Sept. 1966. Z5055,U49D53
- 23929 HIDALGO-QUIMO, T. Z. The host range and host-parasite relationship of the chytrid *Dictyomorphia* within the Saprolegniaceae. Philippine Agr. 49(2):95-104. Ref. July 1965. 25 P542
Physiology.
- 23929 HOLOBRADA, M. Problem of the metabolism of sulfur. (Cz) Biologia [Bratislava] 21(8): 619-628. Ref. 1966. 442.8 B5265
In plants.
- 23930 HORTSU, H., and CLARK, D. S. Effect of ferrocyanide on growth and citric acid production by *Aspergillus niger*. Can. J. Microbiol. 12(5):901-907. Ref. Oct. 1966. 448.8 C163
- 23931 IAROSINSCHI-DRABIC, I., and MAGA, C. Some tannin containing plants of Rumania. (Ge) Advancing Frontiers Plant Sci. 15:17-36. Ref. 1966. 452.4 V81
- 23932 IDSO, S. B., BAKER, D. G., and GATES, D. M. The energy environment of plants. Advances Agron. 18:171-218. 1966. 30 Ad9
Review of the literature.
- 23933 ISAEV, B. M., and BREGADZE, YU. I. Method of calculation of absorbed dose by plant seeds irradiated by fast neutrons. (Rus) Radiobiologiya 6(1):140-142. 1966. 442.8 R11
Dosimetry.
- 23934 JENKINS, M. B. A physiological investigation of a homoserineless bradytroph of *Neurospora crassa*. Diss. Abstr., Sect. B, 27(2):365B-366B. Aug. 1966. Z5055,U49D53
- 23935 JENSEN, R. G., and BASSHAM, J. A. Photosynthesis by isolated chloroplasts. Nat. Acad. Sci. Proc. 56(4):1095-1101. Ref. Oct. 1966. 500 N21P
- 23936 JOHNSON, R. A., and SCHMIDT, R. R. Enzymic control of nucleic acid synthesis during synchronous growth of *Chlorella pyrenoidosa*. I. Biochim. Biophys. Acta 129(1):140-144. Ref. Oct. 24, 1966. 381 B522
- 23937 JOHNS, S. R., and LAMBERTON, J. A. Uncaria alkaloids: two stereoisomers of mitraphylline from *Uncaria bernaysii* F. v. Muell. and U. ferrea D.C. Tetrahedron Lett. 40:4883-4888. Oct. 1966. 385 T29
- 23938 KALAB, M., and MATLOCHA, Z. Electro-phoretic separation of soluble mushroom proteins in acrylamide gel; preliminary communication. Planta Med. 14(2):126-130. May 1966. 450 P697
- 23939 KAMRIN, M. Changes in the capacity of algae to fluoresce during steady-state photosynthesis. Biochim. Biophys. Acta 126(2):262-268. Ref. Oct. 10, 1966. 381 B522
Chlorella.
- 23940 KANESHIRO, T., and ZWIG, G. Effect of diquat (1,1'-ethylene-2,2'-dipyridylum dibromide) on the formation and photoreactions of chromatophores from *Rhodospirillum rubrum*. Biochim. Biophys. Acta 126(2):225-233. Ref. Oct. 10, 1966. 381 B522
- 23941 KARPOV, V. L., and FILIPPOV, B. V. Effect of beta rays of isotope of carbon on *Chlorella [pyrenoidosa]* by growing it in a medium with carbonates of radioactive carbon. (Rus) Radiobiologiya 5(4):580-583. Ref. 1965. 442.8 R11
- 23942 KATSUI, N., and others. Alkaloids of *Lysichiton camtschatcense* Schott var. japonicum Makino. Tetrahedron Lett. 50:6257-6261. Dec. 1966. 385 T29
K. Sato, S. Tobinaga, and N. Takeuchi, joint authors.
- 23943 KAWAGUTI, S., and YAMASU, T. Electron microscopy on the symbiosis between an elysoid gastropod and chloroplasts of a green alga [*Codium fragile*]. Okayama Univ. Biol. J. 11(3/4):57-65. Dec. 1965. 442.9 Ok1
- 23944 KHMELEVA, N. N., and LAVRENT'eva, G. M. Accumulation of the radioactive isotopes of strontium, yttrium and cerium by bifilamentous algae in the presence of EDTA and dissolved organic compounds. (Rus) Radiobiologiya 6(1): 117-121. Ref. 1966. 442.8 R11
Cladophora glomerata and *Spirogyra*.
- 23945 KIHARA, T. Studies on bacteriophagephytin-containing particles isolated from *Rhodospirillum rubrum*. Diss. Abstr., Sect. B, 27(4): 1060B. Oct. 1966. Z5055,U49D53
- 23946 KLIKOFF, P. L. G. Temperature dependence of the oxidative rates of mitochondria in *Danthonia intermedia*, *Penstemon davidsonii* and *Sitanion hystrix*. Nature [London] 212(5061): 529-530. Oct. 28, 1966. 421 N21
- 23947 KOHLER, K. H., and CONRAD, K. A quantitative phytokinin test. (Ge) Biol. Rundsch. 4(1): 36-37. 1966. 442.8 B5272
Includes tyrosin.
- 23948 KOMAI, H., and NEILANDS, J. B. Zinc and cobalt; effect on the iron metabolism of *Ustilago sphaerogena*. Science 153(3737):751-752. Aug. 12, 1966. 470 Sc12
- 23949 KORTE, F., HACKEL, E., and SIEPER, H. The chemical classification of plants. XXVI. (Haschisch, V.). Synthesis of a cannabiodiol dimethyl ether. (Ge) Justus Liebig's Ann. Chem. 585:122-128. Ref. 1965. 384 An7
Found in *Cannabis non indica* and *C. indica*.
- 23950 KOSINKIEWICZ, B. Influence of certain metabolites of an anaerobic bacterium on mustard as an indicator plant. (Fr) Inst. Pasteur. Ann. 111(3,sup.):113-120. Ref. Sept. 1966. 448.3 An75
English summary.
Clostridium.

- 23951 KRETOVICH, V. L., and others. Succinic semialdehyde as precursor of glutamine in plants. (Rus) Akad. Nauk SSSR. Dokl. 170(5): 1212-1215. 1966. 511 P444A
T. I. Karyakina, N. V. Lyubimova, and A. N. Neronova, joint authors.
- 23952 KREUTZBERGER, A., and SNYCKERS, H. H. Glycolipides of the plant kingdom. (Ge) Deut. Apoth.-Zeitung 106(40):1430-1434. Oct.6,1966. 396.8 Su2
- 23953 KUKRESH, N. P. Effect of mineral fertilizers on chemical composition of legumes and withdrawal of nitrogen, phosphorus, and potassium by them. (Rus) Agrokhimiya 10:33-37. Oct. 1965. 385 Ag89
- 23954 KULAEV, I. S., and URBANEK, H. Inclusion of P32 into the mycelium of an adenine deficient mutant of *Neurospora crassa*, as dependent on the concentration of adenine in the medium and on the presence of 8-azaadenine. (Rus) Akad. Nauk SSSR. Dokl. 169(4):958-961. Ref. 1966. 511 P444A
- 23955 KUZNETSOVA, G. A., and KUZ'MINA, L. V. Application of thin layer chromatography for identification of natural coumarins and furoucoumarins. (Rus) Rastitel. Resursy 1(1):149-151. 1965. 450 R18
Prangos lipskyl.
- 23956 LAHOZ, R., REYES, F., and BELTRA, R. Some chemical changes in the mycelium of *Aspergillus flavus* during autolysis. J. Gen. Microbiol. 45(1):41-49. Ref. Oct.1966. 448.3 J923
- 23957 LARUE, T. A., and SPENCER, J. F. T. Utilization of D-amino acids by *Prototheca*. Can. J. Bot. 44(9):1222-1224. Sept.1966. 470 C16C
- 23958 LEAL, J. A., GOMEZ-MIRANDA, B., and NICOLAS, G. Formation of toxic substances by fungi in the degradation of some amino acids. Can. J. Microbiol. 12(5):1073-1076. Oct.1966. 448.8 C162
- 23959 LEETE, E., and AHMAD, A. Biosynthesis of the Erythrina alkaloids; the incorporation of tyrosine-2-C14 into the erythroidines. Amer. Chem. Soc. J. 88(20):4722-4725. Ref. Oct.20, 1966. 381 Am33J
- 23960 LESLIE, J. K. Improving plant growth. Queensland Agr. J. 92(9):521-525. Sept.1966. 23 Q33
Mineral elements and plant nutrition.
- 23961 LEVITT, J. Resistance to water transport in plants: a misconception. Nature [London] 212 (5061):527. Oct.29,1966. 472 N21
- 23962 LINDEGAARD, J. Chemistry in agriculture. (Da) Landbonyt 20(11):374-380. Nov.1966. 11 L2322
Chiefly plant nutrition.
- 23963 LINDSEY, D. L. Growth of higher plants under gnotobiotic conditions. Diss. Abstr., Sect. B, 27(3):667B. Sept.1966. Z5055,U49D53
- 23964 LINSER, H. The hormonal system of plants. Angew. Chem. Int. Edition Engl. 5(9):776-784. Ref. Sept.1966. 384 Z331
- 23965 MACLEAN, F. I., FORREST, H. S., and HOARE, D. S. Pteridine content of some photosynthetic bacteria. Arch. Biochem. Biophys. 117(1):54-58. Oct.1966. 381 Ar2
- 23966 MADISON, J. T., EVERETT, G. A., and KUNG, H. Nucleotide sequence of a yeast tyrosine transfer RNA. Science 153(3735):531-534. Ref. July 29,1966. 470 Sci2
- 23967 MAKHAMEDZHANOV, M. V., and YAZYKOV, A. P. Apparatus for study of oxygen in the living tissues of plants. (Rus) Uzbekistan Akad. Nauk. Dokl. 3:55-57. 1966. 511 U21
- 23968 MALICKY-SCHLATTE, G. Lipide-protein concretion in *Plantago argentea* Chaix. (Ge) Osterr. Bot. Z. 113(1):148-154. Ref. 1966. 450 Os7
- 23969 MANGENOT, F. Nutritional interaction on the level of leaves; general report. (Fr) Inst. Pasteur. Ann. 111(3,sup.):329-341. Ref. Sept. 1966. 448.3 An75
- 23970 MAPSON, L. W., and SWAIN, T. Control of photo-oxidation and reduction of ascorbate by phytochrome or similar compound. Phytochemistry 5(5):829-853. Sept.1966. 450 P5622
Light study.
- 23971 MARINI-BETTOLO, G. B., CASINOVI, C. G., and DELLE MONACHE, F. Study of the Skytanthus species. III. Stereochemistry of alkaloids of the Skytanthus acutus. (It) Ist. Super. Sanit. Ann. 1(1/6):257-262. 1965. R65.18
English summary.
- 23972 MARSHALL, H. G. Diurnal distribution of phytoplankton from a single station at the mouth of the James River. Ohio J. Sci. 66(3): 253-255. Ref. May 1966. 410 Oh3
- 23973 MASSE, L. Comparative study of the total nitrogen content of lichens and their substrata; the Cyanophyceae with conidia. (Fr) Acad. Sci. Compt. Rend. Ser. D, 265(10):781-784. Ref. Sept.5,1966. 505 P21
- 23974 MATHIESEN, H. On plankton production of organic material in Denmark's fertile lakes. (Da) Nord. Jordbrugsforsk. 47(3):159-164. 1965. 11 N752
- 23975 MCCREE, K. J. A solarimeter for measuring photosynthetically active radiation. Agr. Meteorol. 3(5/6):353-366. Ref. Aug.1966. 340.8 Ag8
- 23976 MERRICK, J. M., and YU, C. I. Purification and properties of a D(-)-beta-hydroxybutyric dimer hydrolase from *Rhodospirillum rubrum*. Biochemistry 5(11):3563-3568. Ref. Nov.1966. 381 B523
- 23977 MEYERS, S. P., and HOVO, L. Observations on the growth of the marine phycomycete *Varicopora ramulosa*. Can. J. Bot. 44(9):1133-1140. Ref. Sept.1966. 470 C16C
- 23978 MOLLOV, N. M., and others. Alkaloids of *Thalictrum simplex* L. (Ge) Bulg. Akad. Nauk. Dokl. 19(6):491-494. 1966. 512 So2
V. S. Georgiev, D. Jordanov, and P. Panov, joint authors.
- 23979 MONTUELLE, B. Bacterial synthesis of growth-substances playing a part in plant metabolism. (Fr) Inst. Pasteur. Ann. 111(3,sup.): 136-146. Ref. Sept.1966. 448.3 An75
English summary.
- 23980 MOONEY, H. A., WEST, M., and BRAYTON, R. Field measurements of the metabolic responses of bristlecone pine [*Pinus aristata*] and big sagebrush [*Artemisia tridentata*] in the white Mountains of California. Bot. Gaz. 127 (2/3):105-113. June/Sept.1966. 450 B652
- 23981 MOORE, R. B. Survival studies on the blue-green alga, *Anacystis nidulans*. Diss. Abstr., Sect. B, 27(2):358B. Aug.1966. Z5055,U49D53
- 23982 MORALES, J. Associated growth of *Chlorella*-*Azotobacter*. (Sp) Microbiol. Espan. 19(1):61-68. Ref. Jan./Mar.1966. 448.3 M583
English summary.
- 23983 MORGAN, P. W. Plant hormones. Tex. Agr. Progr. 12(4):4-6. Fall 1966. 100 T31Te
- 23984 MOTHES, K. Anthranilic acid as precursor of alkaloids. (Ge) Deut. Apoth.-Zeitung 106(40): 1409-1415. Ref. Oct.6,1966. 396.8 Su2
In plants.
- 23985 MUCKEL, D. C. Phreatophytes—water use and potential water savings. Amer. Soc. Civil Eng. J. 92(IR4,proc.pap.5033):27-34. Ref. Dec. 1966. 290.9 Am3Ps
Includes evapotranspiration measurement.
- 23986 MULLER, C. H. The role of chemical inhibition (allelopathy) in vegetational composition. Torrey Bot. Club. Bull. 93(5):332-351, map. Ref. Sept./Oct.1966. 451 T63B
Shrubs.
- 23987 MULLER, H. P., and SCHMIDT, L. Continuous measuring of respiration of *Azotobacter chroococcum* Beij. in montmorillonite under chronic X-rays radiation. (Ge) Arch. Mikrobiol. 54(1):70-79. Ref. 1966. 442.8 Ar26
- 23988 MURATA, N., NISHIMURA, M., and TAKAMIYA, A. Fluorescence of chlorophyll in photosynthetic systems. III. Biochim. Biophys. Acta 126(2):234-243. Ref. Oct.10,1966. 381 B522
- 23989 MURPHY, M. N. Ribonucleic acid synthesis during zoospore differentiation in *Blastocladia emersonii*. Diss. Abstr., Sect. B, 27(2): 376B. Aug.1966. Z5055,U49D53

- 23990 MURPHY, M. N., and LOVETT, J. S. RNA and protein synthesis during zoospore differentiation in synchronized cultures of *Blastocladiella*. *Devel. Biol.* 14(1):68-95. Ref. Aug. 1966. 442.8 D49
- 23991 MYSKOW, W., and ZIEMIECKA, J. M. Effect on *Torulopsis utilis* of humic substances originated from the decomposition of cellulose in the roots of plants. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):147-148. Sept. 1966. 446.3 An75
- 23992 NAUCHNYI SOVET PO KOMPLEKSNOMU PROBLEME FOTOSINTEZ. Fotosinteziruyushchie sistemy vysokoi produktivnosti [Photosynthetic systems of high productivity]. Moskva, Nauka, 1966. 223 p., map. Ref. QK882.N3
- 23993 NEFEDOVA, A. I., and POPOVA, E. I. Distribution of sodium-22 in components of water reservoir. (Rus) *Radiobiologiya* 5(3):451-456. 1965. 442.8 R11
Includes aquatic plants.
- 23994 NEGUS, N. C., and PINTER, A. J. Reproductive responses of *Microtus montanus* to plants and plant extracts in the diet. *J. Mammalogy* 47(4):596-601. Ref. Nov. 1966. 410 J823
Includes estrogen content.
- 23995 NIGAM, S. N., and RESSLER, C. Biosynthesis of 2,4-diaminobutyric acid from L-[³H] homoserine and DL-[1-¹⁴C] aspartic acid in *Lathyrus sylvestris* W. *Biochemistry* 5(11):3426-3431. Ref. Nov. 1966. 381 B533
- 23996 NORKRANS, B. Studies on marine occurring yeasts; growth related to pH, NaCl concentration and temperature. *Arch. Mikrobiol.* 54(4):374-392. Ref. 1966. 442.8 Ar26
- 23997 NURIDDINOV, R. N., and YUNUCOV, S. YU. Study of the alkaloids of Korkowika sewerzowii RGL. (Rus) *Uzbekistan Akad. Nauk. Dokl.* 3: 40-41. 1966. 511 Uz1
- 23998 OBAYASHI, A., and KANIE, M. Respiration in organic acid-forming molds. III. Alteration of the electron transport system during lactate fermentation in *Rhizopus oryzae*. *Agr. Biol. Chem.* 30(9):835-840. Ref. Sept. 1966. 385 Ag8B
- 23999 O CARRA, P., and O HEOCHA, C. Bilins released from algae and billiproteins by methanolic extraction. *Phytochemistry* 5(5):993-997. Sept. 1966. 450 P5622
Tolypothrix tenuis.
- 24000 OGATA, K., and others. Studies on vitamin B₆ metabolism in microorganisms. V. *Agr. Biol. Chem.* 30(9):829-834. Ref. Sept. 1966. 385 Ag8B
T. Tochikura, Y. Tani, and S. Yamamoto, joint authors.
Fungi.
- 24001 OKE, O. L. Nitrogen fixing capacity of *Mucuna utilis*. *Exp. Agr.* 2(1):15-16. Jan. 1966. 10 Ex72
- 24002 O'LEARY, J. W. Root pressure exudation from apical root segments. *Nature [London]* 212 (5057):96-97. Oct. 1, 1966. 472 N21
- 24003 ORAZOV, KH. N., and SIZOVA, T. P. *Aspergillus* fungi isolated from soils of Turkmen SSR and their antagonistic properties. (Rus) *Moscow. Univ. Vestnik. Ser. 6. Biol. Pochvoed.* 1:91-100. Ref. Jan./Feb. 1966. 442.9 M854
- 24004 ORMROD, D., and WOOLLEY, C. J. Apparatus for environmental physiology studies. *Can. J. Plant Sci.* 46(5):573-575. Sept. 1966. 450 C16
- 24005 ORO, J., LASETER, J. L., and WEBER, D. Alkanes in fungal spores. *Science* 154(3747):399-400. Ref. Oct. 21, 1966. 470 Sc12
In *Ustilago maydis*, *U. nuda* and in *Sphacelotheca reiliana*.
- 24006 O'SVATH, J. The importance of meteorological data collecting in field experiment. (Hu) *Idojaras* 70(4):211-218. Ref. July/Aug. 1966. 340.8 Id5
In relation to weather effects on plants.
- 24007 O'TOOLE, M. A. Differences in susceptibility to iron chlorosis of grass species grown on blanket peat. *Nature [London]* 212(5058):213. Ref. Oct. 8, 1966. 472 N21
- 24008 PAECH, K. The biogenesis of secondary plant materials. 15 p. Ref. Transl. 15382
Translation from Congr. Intern. Botan. Rapps. et Commun. 8:49-56. 1954.
- 24009 PALO, M. A., RODULFO, B. R., and BALITA, C. B. A study on the propagation and growth of a local high-protein strain of *Chlorella*. *Philippine J. Sci.* 94(2):189-215. Ref. June 1965. 475 P53
- 24010 PARIS, R. R., and PARIS, M. Gas chromatography of some C flavonoids in state of trimethylsilyl ethers. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 265(10):792-794. Sept. 5, 1966. 505 P21
In plants.
- 24011 PARKINSON, K. J. Bio-electric potentials of intact green plants. II. Analysis of the changes in the measured bio-electric potentials of *Avena sativa* L. coleoptiles brought about by the application of the measuring contacts. *J. Expt. Bot.* 17(51):309-319. May 1966. 450 J8224
Includes types of electrodes used in the study.
- 24012 PAUL, J. L., and SMITH, L. V. Boron analysis in plant material. *Soil Sci.* 102(5):353. Nov. 1966. 56.8 So3
- 24013 PAZOLA, Z., CIEGLER, A., and HALL, H. H. Identification of the stimulatory factors in citrus molasses for carotenogenesis in *Blakeslea trispora*. *Nature [London]* 210(5043):1367-1368. June 25, 1966. 472 N21
- 24014 PEREIRA, N., BOND, T. E., and MORRISON, S. R. Thermal characteristics of a table-tennis-ball used as a black-globe thermometer. *Amer. Soc. Agr. Eng. Pap.* 328, 6 p. 1966. 290.9 Am32P
Used in studying climate variables influencing plants and animals.
- 24015 PEREZ MEDINA, L. Chemical screening in the family Solanaceae for steroidal alkaloid solasodine; final report. *Medellin*, 1965. 63 p. Ref. QK898.A4P4
- 24016 PERKINS, F. O. Life history studies of *Dermocystidium marinum*, an oyster pathogen. *Diss. Abstr.*, Sect. B, 27(4):1049B. Oct. 1966. Z5055.U49D53
- 24017 PFEIFFER, C. L. Effect of root temperature on plant growth. *Diss. Abstr.*, Sect. B, 27(2):347B-348B. Aug. 1966. Z5055.U49D53
- 24018 PLOUVIER, V. Enantiomorphic and racemic forms of some plant constituents. (Fr) *Phytochemistry* 5(5):955-967. Ref. Sept. 1966. 450 P5622
English summary.
Review of the literature.
Biochemical analysis.
- 24019 PLOUVIER, V. Flavonic heteroside study: luteolin-7-glucoside, diosmin; hesperidin. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):439-445. July 25, 1966. 505 P21
Isolated from various plants.
- 24020 POMOSHCHENIKOVA, N. A., MOKHOVA, E. N., and LEONOVA, V. G. Effect of X-rays on cytochrome system of yeast organisms. (Rus) *Radiobiologiya* 6(1):13-16. 1966. 442.8 R11
- 24021 PUMPYANSKAYA, S. L. Correlation between high-energy and low-energy reactions as a mechanism of adaptation of plants to seasonal variations in environmental conditions. (Rus) *Akad. Nauk SSSR. Dokl.* 168(6):1427-1429. 1966. 511 P444A
Includes use of spectrography.
- 24022 REGNIER, J. E. Zinc-65 uptake in a two-step marine food chain. *Diss. Abstr.*, Sect. B, 27(3):848B. Sept. 1966. Z5055.U49D53
Includes algae.
- 24023 RICKETTS, T. R. The carotenoids of the phytoflagellate, *Micromonas pusilla*. *Phytochemistry* 5(4):571-580. Ref. July 1966. 450 P5622
- 24024 ROBB, S. M. Reactions of fungi to exposure to 10 atmospheres pressure of oxygen. *J. Gen. Microbiol.* 45(1):17-29. Ref. Oct. 1966. 448.3 J823
- 24025 ROBICHON-SZULMAJSTER, H. DE, and CHEREST, H. Resistance to ethionine in *Saccharomyces cerevisiae*. II. Physiological study. (Fr) *Genetics* 54(4):995-1006. Ref. Oct. 1966. 442.8 G28
English summary.

- 24026 ROSCH, R. On the intracellular polyphenoloxylases of the brown wood destroying fungi. IV. Study of the occurrence and specificity of substrate of tyrosinase and intracellular laccase. (Ge) Arch. Mikrobiol. 54(1):80-90. Ref. 1966. 442.8 Ar26
- 24027 ROTINI, O. T. Variations in the acid composition of glycerides in the course of plant metabolism. (It) Olearia 20(3/4):64-79. Ref. Mar./Apr. 1966. 307.8 OL2
English summary, p.62.
- 24028 ROUCH, J. Fructification of two sterile mycelia of telluric origin in the presence of cellulose. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(5):494-496. Aug. 1, 1966. 505 P21
- 24029 ROY, A. K. Studies on Chaetomium bostrychodes Zopf. Indian Phytopathol. 19(1):113-114. Mar. 1966. 464.8 In2
In culture.
- 24030 RUINEN, J. The phyllosphere. IV. Cuticle decomposition by microorganisms in the phyllosphere. Inst. Pasteur. Ann. 111(3,sup.):342-346. Ref. Sept. 1966. 448.3 An75
- 24031 SADIQUE, J., SHANMUGASUNDARAM, R., and SHANMUGASUNDARAM, E. R. B. Isolation of 1, 2-dimethyl 4,5-diamino benzene in a heterokaryon of *Aspergillus nidulans*. Cur. Sci. 35 (17):336. July 5, 1966. 475 Sci23
- 24032 SALEH, T. M. Radioautography of plant tissues using tritium labeled lignin precursors. Diss. Abstr., Sect. B, 27(3):660B. Sept. 1966. Z5055.U49D53
- 24033 SASAKI, H. Effects of culture conditions on hydrogenase activity of *Scenedesmus* D3. Plant Cell Physiol. 7(2):231-241. Ref. July 1966. 450 P699
- 24034 SAUER, H. H., WEISS, E., and REICHSSTEIN, T. Glycosides and aglycons. 277. The glycosides of the seeds of *Dregia volubilis* (L.) Benth. ex Hook. 2. Isolation of further drogenins. (Ge) Helv. Chim. Acta 49(5):1625-1632. Ref. 1966. 385 H36
English summary.
- 24035 SAVIOJA, T., and MIETTINEN, J. K. Effect of antibiotics on phosphate assimilation in yeast [*Candida utilis*]. Suomen Kem. B, 39 (10):195-197. 1966. 385 Su7
- 24036 SAVIOJA, T., and MIETTINEN, J. K. The effects of inhibitors and nucleotide base analogues on the assimilation of phosphates by yeast [*Candida utilis*]. Suomen Kem. B, 39 (10):197-199. 1966. 385 Su7
- 24037 SCANDINAVIAN Colloquium on Eutrophication Problems, Blindern, December 9-10, 1964. Nord. Jordbrugsforsk. 47(3):155-220. 1965. 11 N752
Includes plankton and algae physiology.
Papers in Swedish, Danish and Norwegian.
- 24038 SCHNEIDER, W. J. Water and the everglades. Natur. Hist. 75(9):32-41, map. Nov. 1966. 500 N483J
Economy of water and its effects on Everglades ecology.
- 24039 SCHNELLE, F. Phenological charts of Europe; beginning of apple blossom and winter wheat harvest. (Ge) Erde 97(2):138-144. Ref. 1966. 474 Er1
English summary.
Two maps in pocket.
- 24040 SCHRATZ, E., and WITT, H. Anthraquinone aglycons and rhamnitolin in hybrid species of *Rheum*. (Ge) Deut. Apoth.-Zeitung 106(40):1437-1441. Ref. Oct. 6, 1966. 396.8 Su2
- 24041 SELWYN, M. J. Temperature and photosynthesis. II. A mechanism for the effects of temperature on carbon dioxide fixation. Biochim. Biophys. Acta 126(2):214-224. Ref. Oct. 10, 1966. 381 B522
- 24042 SEN, N., and FOGG, G. E. Effects of glycolate on the growth of a planktonic *Chlorella* (pyrenoidosa). J. Expt. Bot. 17(51):417-425. Ref. May 1966. 450 J8224
- 24043 SENN, T. L., and SKELTON, B. J. Review of seaweed research, 1958-1965. S. C. Agr. Exp. Sta. Res. Ser. 76, 32 p. Ref. Feb. 1966. SB21.86
Ascomycellum nodosum, and its growth regulator activity in fruits, vegetables, and ornamentals.
- 24044 SETO, H., OTAKE, N., and YONEHARA, H. Biological transformation of blastodins by *Aspergillus fumigatus* sp. L. Agr. Biol. Chem. 30(9):877-886. Ref. Sept. 1966. 385 Ag8B
- 24045 SHADIROV, YU. I., SKUKINA, I. S., and ABRAMOVA, V. M. Study of selective effect of physiologically active substances of o-oxy-naphthoquinone and thiazole group on plants. (Rus) Agrokhimiya 8:108-112. Aug. 1965. 385 Ag89
Effects of seed treatment and spraying on growth.
- 24046 SHIVRINA, A. N. Biologicheski aktivnye veshchestva vysshikh grivov [Biological active substances of higher fungi]. Moskva, Nauka, 1965. 198 p. Ref. QK897.S5
Basidiomycetes.
- 24047 SKADCHENKO, N. M. On the effects of potassium phosphate and lime on the accumulation of strontium-90 by plants depending on the stable strontium content in the soil. U. S. Joint Publ. Res. Serv. [Transl.] Plant Physiol. Effect Fert. Crops Build-up Radioact. Proc. USSR, Dec. 22, 1964:10-17. Ref. [JPRS 27,940; TT 64-51982] 173 J663PL
Potassium phosphate and lime added to soil.
Translation from Vestnik Moskovskoe Universitet. Seriya VI, Biologiya, Pochvovedenie, 5:57-62. Sept./Oct. 1964.
CFSTI \$2.00.
- 24048 SKULBERG, O. Blue green algae causing water bloom in Norway and its importance in the study of eutrophication. (No) Nord. Jordbrugsforsk. 47(3):180-189. 1965. 11 N752
English summary.
- 24049 SLATYER, R. O. Some physical aspects of internal control of leaf transpiration. Agr. Meteorol. 3(5/6):281-292. Ref. Aug. 1966. 340.8 Ag8
- 24050 SPIETH, H. T. Hawaiian honeycreeper, *Vestiaria coccinea* (Forster), feeding on lobelia flowers, *Clermontia arborescens* (Mann) Hilbr. Amer. Natur. 100(914):470-473. Sept./Oct. 1966. 470 Am36
As pollinators.
- 24051 STEINBOCK, S. D., and MEDVEDEVA, L. I. Plant pigments as dyes for food products. (Rus) Rastitel. Resursy 1(1):50-54. Ref. 1965. 450 R18
- 24052 STEWART, E. H., and MILLS, W. C. Effect of depth to water table and plant density on evapotranspiration rate in southern Florida. Amer. Soc. Agr. Eng. Pap. 233, 9 p. 1966. 290.9 Am32P
- 24053 STOCKING, S. K. Influences of fire and sodium calcium borate on chaparral vegetation. Madrono 18(7):193-203. Ref. July 1966. 450 M26
- 24054 STRAUSS, W. Seed dormancy of stinkdragon [Dracunculus vulgaris]. (Ge) Kosmos 62(4):176. Apr. 1966. 474 K842
- 24055 STREBEYKO, P. Changes in water content in plant tissues as a measure of water balance variations in ecological and agricultural investigations. (Pol) Roczn. Nauk Roln. 91-A-3:545-552. Ref. 1966. 20.5 R59
English summary.
- 24056 SUBBA-RAO, N. S., and ISWARAN, V. A study of interaction between *Cephalosporium* sp. and *Azotobacter chroococcum*. Indian Phytopathol. 19(1):87-91. Mar. 1966. 464.8 In2
Legume nitrogen fixation.
- 24057 TAKAI, N., UCHIDA, T., and EGAMI, F. Purification and properties of ribonuclease N₁, an extracellular ribonuclease of *Neurospora crassa*. Biochim. Biophys. Acta 126(1):218-220. Oct. 17, 1966. 381 B522
- 24058 TAKEUCHI, Y., and KITAHARA, M. Studies on the structure of gluco-oligosaccharides obtained from the partial acid hydrolyzate of sclerotia of *Sclerotinia libertiana*. I. Agr. Biol. Chem. 30(6):523-528. June 1966. 385 Ag8B
- 24059 TEWARI, K. K., and others. Biochemical correlates of respiratory deficiency. VI. Mitochondrial DNA. J. Mol. Biol. 20(3):453-481. Ref. Oct. 1966. 442.8 J8224
W. Votsch, H. R. Mahler, and B. Mackler, joint authors.
In yeasts.

- 24060 THERRIEN, C. D. Microspectrophotometric analysis of nuclear deoxyribonucleic acid in some Myxomycetes. *Diss. Abstr.*, Sect. B, 27 (2):377B. Aug. 1966. Z5055.U49D53
- 24061 THIRUMURTHI, D. Relative toxicity of organics to *Chlorella pyrenoidosa*. *Diss. Abstr.*, Sect. B, 27(2):511B. Aug. 1966. Z5055.U49D53
- 24062 TIMOFEEVA, N. A., and AGRE, A. L. Coefficients of strontium-90 accumulation by freshwater plants out of solutions of different specific activity. (Rus) *Radiobiologiya* 5(3):457-458. 1965. 442.8 R11
- Elodea canadensis and Cladophora fracta.
- 24063 TRAINOR, F. R. Phototaxis in *Scenedesmus*. *Can. J. Bot.* 44(10):1427-1429. Oct. 1966. 470 C16C
- 24064 TRIONE, E. J., LEACH, C. M., and MUTCH, J. T. Sporogenic substances isolated from fungi. *Nature [London]* 212(5058):163-164. Oct. 8, 1966. 472 N21
- Isolation of P 310 from *Ascochyta pisi* and *Pleospora herbarum*.
- 24065 TULLI, V., and MOYED, H. S. Desensitization of regulatory enzymes by a metabolite of plant auxin. *J. Biol. Chem.* 241(19):4564-4566. Oct. 10, 1966. 381 J824
- 3-Methyleneindole in indole-3-acetic acid.
- 24066 TURNER, R. M., and others. The influence of shade, soil, and water on Saguaro seedling establishment. *Bot. Gaz.* 127(2/3):95-102. Ref. June/Sept. 1966. 450 B652
- S. M. Alcorn, G. Olin, and J. A. Booth, joint authors.
- Cereus giganteus*.
- 24067 TWEEDY, B. G., and TURNER, N. The mechanism of sulfur reduction by conidia of *Monilia fructicola*. *Boyce Thompson Inst. Contr.* 23(7):255-265. Ref. July/Sept. 1966. 451 B69
- 24068 VALADON, L. R. G. Carotenoids of fungi. *Advancing Frontiers Plant Sci.* 15:183-204. Ref. 1966. 452.4 V81
- 24069 VAN STEVENINCK, R. F. M. Further aspects of the Tris [tris(hydroxymethyl)aminomethane] effect in beetroot tissue during its lag phase. *Australian J. Biol. Sci.* 19(2):283-290. Ref. Apr. 1966. 442.8 Au72
- 24070 VASSILEVA-DRYANOVSKA, O. A. Fertilization in *Tradescantia*. *Hereditas* 55(1):47-54. Ref. 1966. 442.8 H42
- Pollination and embryos.
- 24071 VASSILEVA-DRYANOVSKA, O. A. Tube growth following pollen irradiation in *Tradescantia*. *Bulg. Akad. Nauk. Dokl.* 19(7):649-651. Ref. 1966. 512 So2
- X-rays and gamma rays.
- 24072 VERKEY, E. T., and others. Alkaloids from *Tabernaemontana heneana*. *Indian J. Chem.* 4(7):332-334. July 1966. 385 In294
- P. P. Pillay, A. K. Bose, and K. G. Das, joint authors.
- 24073 VINING, L. C., and NAIR, P. M. Clavine alkaloid formation in submerged cultures of *Claviceps* species. *Can. J. Microbiol.* 12(5):915-931. Ref. Oct. 1966. 448.8 C162
- Claviceps paspali*.
- 24074 VORTKOVA-LEPSHIKOVA, A., and KOCHOVA-KRATOCHVILLOVA, A. Glucanylases of the *Aspergilli*. (Rus) *Mikrobiologiya* 35(5):773-779. Ref. Sept./Oct. 1966. 448.3 M582
- English summary.
- 24075 VOROS-FELKAI, G., and NOVAK, E. K. Organic and amino acid assimilation by yeasts as studied by the replica plating technique. *Acta Microbiol.* 13(1):59-69. Ref. 1966. 448.3 Ac84
- 24076 VREDENBERG, W. J., and AMESZ, J. Absorption bands of bacteriochlorophyll types in purple bacteria and their response to illumination. *Biochim. Biophys. Acta* 126(2):244-253. Ref. Oct. 10, 1966. 381 B522
- 24077 WAGNER, H., and POHL, P. Fatty acid biosynthesis and development in plant and animal organisms. (Ge) *Phytochemistry* 5(5):903-920. Ref. Sept. 1966. 450 P5622
- English summary.
- Chiefly plants.
- 24078 WATKINS, J. C., CURTIS, D. R., and BISCOE, T. J. Central effects of beta-N-oxalyl-alpha, beta-diaminopropionic acid and other Lathyrus factors. *Nature [London]* 211(5049):637. Aug. 6, 1966. 472 N21
- 24079 WELLBURN, A. R., and HEMMING, F. W. The occurrence and seasonal distribution of higher isoprenoid alcohols in the plant kingdom. *Phytochemistry* 5(5):969-975. Ref. Sept. 1966. 450 P5622
- 24080 WEST, S. H., and HARRIS, H. C. Physiological and biochemical functions of micro-elements. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:83-95. Ref. 1965, pub. 1966. 56.9 So32
- In plants.
- 24081 WHITEHEAD, E., NAGY, M., and HESLOT, H. Interactions between the biosynthesis of nucleotide and histidine purines in *Schizosaccharomyces pombe*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(11):819-821. Ref. Sept. 12, 1966. 505 P21
- Genetic and biochemical study.
- 24082 WIERENGA, P. J., and HAGAN, R. M. Effects of cold irrigation water on soil temperature and crop growth. *Calif. Agr.* 20(9):14-16. Sept. 1966. 100 C12Cag
- 24083 WISE, D. L. Carbon nutrition and metabolism of the acetate flagellate, *Polytomella caeca*. *Diss. Abstr.*, Sect. B, 27(4):1042B. Oct. 1966. Z5055.U49D53
- 24084 WISEMAN, A. Organization for protein biosynthesis. *New York American Elsevier*, 1965. 217 p. QP531.W5
- Bibliography, p.193-204.
- Includes yeasts and tobacco mosaic virus.
- 24085 WITT, I., and HEILMEYER, L. Regulation of pyruvate decarboxylase (E.C.4.1.1.1) synthesis by coenzyme induction in *Saccharomyces cerevisiae*. *Biochem. Biophys. Res. Commun.* 25(3):340-345. Ref. Nov. 11, 1966. 442.8 B5236
- 24086 WOLCOTT, J. H., and ROSS, C. Orotidine-5'-phosphate decarboxylase from higher plants. *Biochim. Biophys. Acta* 122(3):532-534. Sept. 12, 1966. 381 B522
- 24087 WONG, H. K. Study of a photochemical redox reaction sensitized by chlorophyll. *Diss. Abstr.*, Sect. B, 27(4):1121B. Oct. 1966. Z5055.U49D53
- 24088 YAMAGUCHI, T., IKAWA, T., and NISIZAWA, K. Incorporation of radioactive carbon from $H^{14}CO_2$ into sugar constituents by a brown alga, *Eisenia bicyclis*, during photosynthesis and its fate in the dark. *Plant Cell Physiol.* 7(2):217-229. Ref. July 1966. 450 P639
- 24089 YARBROUGH, J. D., FINDEIS, A. F., and OKELLEY, J. C. Liquid scintillation determination of Ca-45 and Sr-89 in unicellular algae. *Int. J. Appl. Radiat. Isotopes* 17(8):453-458. Aug. 1966. 334.8 In84
- 24090 ZADUBAN, M., and others. Determination of the radioactive iodine in plants. (Cz) *Biologia [Bratislava]* 21(8):578-588. Ref. 1966. 442.8 B5265
- M. Brutovsky, G. Liptakova, and O. Vinklerova, joint authors.
- German summary.

Physiology and Biochemistry of Field Crops

- ANDREW, C. S. A kinetic study of phosphate absorption by excised roots of *Stylosanthes humilis*, *Phaseolus lathyroides*, *Desmodium uncinatum*, *Medicago sativa*, and *Hordeum vulgare*. *Australian J. Agr. Res.* 17(5):611-624. Ref. Sept. 1966. 23 Au783
- 24091 COHEN, Y., and TADMOR, N. H. Root tracing by two-layer radioisotope application. *Int. J. Appl. Radiat. Isotopes* 17(10):573-581. Oct. 1966. 334.8 In84
- Greenhouse tests on field crops.
- 24093 FRITSCHEN, L. J. Net and solar radiation relations over irrigated field crops. *Agr. Meteorol.* 4(1):55-62. Ref. Jan. 1967. 340.8 Ag8
- For estimating evapotranspiration.

- 241094 KEFFORD, N. P., and CASO, O. H. A potent auxin with unique chemical structure—4-amino-3,5,6-trichloropicolinic acid. *Bot. Gaz.* 127(2/3):159-163. Ref. June/Sept. 1966. 450 B652
Effects on field crops.
- 241095 MISHRA, D., and MOHANTY, S. K. A note on the response of crop seeds to pre-sowing treatment with B-Nine. *Trop. Agr.* [St. Augustine] 43(4):347-349. Oct. 1966. 26 T754
Field crops.
- 241096 THRAN, P. On the influence of agro-climatic differences on grain culture in Europe. (Ge) *Agr. Meteorol.* 3(5/6):369-383. Aug. 1966. 340.8 Ag8
English summary.
Review of the literature.
- Physiology and Biochemistry - Cereals
- 241097 ASPINALL, D. Effects of day length and light intensity on growth of barley. IV. Genetically controlled variation in response to photoperiod. *Australian J. Biol. Sci.* 19(4):517-534. Ref. Aug. 1966. 442.8 Au72
- 241098 EL-BASYOUNI, S. Z., and NEISH, A. C. Occurrence of metabolically-active bound forms of cinnamic acid and its phenolic derivatives in acetone powders of wheat and barley plants. *Phytochemistry* 5(4):683-691. Ref. July 1966. 450 P5622
Studied with radioactive carbon.
- 241099 BENTGSSON, A., and WUNSCHE, U. Experiences with CCC (Sw) Uppsala. *Lantbrukshögsk. Aktuell Lantbrukshögsk.* 86:3-10. 1966. 11 Up62A
Effects grain.
- 241100 BOARDMAN, N. K., and HIGHKIN, H. R. Studies on a barley mutant lacking chlorophyll beta. I. Photochemical activity of isolated chloroplasts. *Biochim. Biophys. Acta* 126(2):189-199. Ref. Oct. 10, 1966. 381 B522
- 241101 BOGDASHEVSKAYA, O. V., and RUNOVA, YU. N. Effect of gamma irradiation of rye seeds on dynamics of accumulation of chlorophyll and carotene. (Rus) *Radiobiologiya* 6(2):288-291. 1966. 442.8 R11
- 241102 BUSHNELL, W. R. Delay of senescence in wheat leaves by cytokinins, nickel, and other substances. *Can. J. Bot.* 44(11):1485-1493. Ref. Nov. 1966. 470 C16C
- 241103 CHAVEZ RUIZ, S. The role of population stress on the growth and development of two maize hybrids. *Diss. Abstr.*, Sect. B, 27(3): 670B. Sept. 1966. Z5055,U49D53
- 241104 DOVNAR, V. S. Photosynthesis and mineral nutrition of corn plants. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 10(7):492-495. July 1966. 511 M663D
- 241105 DUBOUCHET, J. Physiological regeneration and the gradients of growth. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(6):593-596. Ref. Aug. 8, 1966. 505 P21
In wheat.
- 241106 FAUST, M., and MASSEY, L. M. The effect of ionizing radiation on starch breakdown in barley endosperm. *Radiat. Res.* 29(1):33-38. Ref. Sept. 1966. 334.8 R11
- 241107 FAWZY, S., and others. Ion uptake by excised barley roots from kaolinite suspensions and from their equilibrium solutions. *Agrochimica* 10(4):322-330. Ref. Sept. 1966. 385 Ag84
A. K. Helmy, N. N. Hassan, and M. M. Elgahaly, joint authors.
- 241108 FAZEKAS, S. Reporative regeneration of oat (*Avena sativa* L.). (Hu) *Biol. Kozlemenyek* 13(2):121-126. 1965. 442.8 B5237
English summary.
- 241109 FONSHTEIN, L. M. The effect of irradiation of wheat endosperms on the growth and development of the plants. 6 p. Ref. (TT 65-50024) *Transl.* 16111
Gamma rays.
Translation from Akademiya Nauk SSSR. Institut Genetiki. *Trudy* 28:153-157. 1961. CFSIT: \$1.00.
- 241110 FORAL, A. A study of the prolongation of the postharvest ripening of the selected world varieties of spring barley. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 2(3): 197-208. Ref. July 1966. QH431.A1S25
English summary.
Includes germination.
- 241111 FOX, R. H. Membrane active compounds in barley root ultrastructure. *Diss. Abstr.*, Sect. B, 27(4):1269B. Oct. 1966. Z5055,U49D53
- 241112 FROST, S., and BOSE, S. An investigation of the phenolic compounds with thin-layer chromatography in an inbred segregating line of rye. *Hereditas* 55(1):123-126. 1966. 442.8 H42
- 241113 FROST, S. Variation of phenolic compounds in different inbred lines of rye. *Hereditas* 55(1):68-72. 1966. 442.8 H42
- 241114 FRYDENBERG, O., and NIELSEN, G. Amylase isozymes in germinating barley seeds. *Hereditas* 54(2):123-139. Ref. 1965. 442.8 H42
- 241115 GIELINK, A. J., SAUER, G., and RINGOET, A. Histoautoradiographic localization of calcium in oat plant tissues. *Stain Technol.* 41(5):281-286. Ref. Sept. 1966. 442.8 St1
- 241116 GRAHAM, D., and LESSMAN, K. J. Effect of height on yield and yield components of two isogenic lines of Sorghum vulgare Pers. *Crop Sci.* 6(4):372-374. July/Aug. 1966. 64.8 C883
- 241117 HAMMOND, L. C., and ROBERTSON, W. K. Effect of fertilizer placement on P and K uptake by corn. *Soil Crop Sci. Soc. Fla. Proc.*, 55th Annu. Meeting:226-231. 1965, pub. 1966. 26.9 So32
- 241118 HOFFMANN, W. E. Variations in plant root activity, with regard to the delivery of minerals to the shoot by different potash nutrition. (Ge) *Z. Pflanzenernähr. Dungung. Bodenk.* 113(2):120-130. Ref. 1966. 384 Z343A
English summary, p. VI.
Corn and sunflowers.
- 241119 HOLM, E. On the value of sprout damaged winter grain. (Sw) *Svensk Frotidn.* 35(9):139-143. Sept. 15, 1966. 61.8 Sv2
Effects on viability of seeds.
- 241120 HORVATH, M., and LASZTITY, D. Pigment changes in etiolated barley leaves. *Acta Agron. [Budapest]* 15(1/2):119-125. Ref. 1966. 19 Ac8
- 241121 HUMPHREYS, T. E., and GARRARD, L. A. Leakage and storage of sucrose during sucrose synthesis in the corn scutellum. *Phytochemistry* 5(4):653-663. Ref. July 1966. 450 P5622
In 14C-fructose solution.
- 241122 HUTTON, C. E., and FISKELL, J. G. A. Soil acidity factors affecting corn production in West Florida. *Soil Crop Sci. Soc. Fla. Proc.*, 55th Annu. Meeting:36-46. Ref. 1965, pub. 1966. 56.9 So32
- 241123 IKENBERRY, G. J. Reactivation of the dormant embryo, and initiation and development of buds and leaves in *Avena sativa*. *Iowa State J. Sci.* 41(1):7-23. Ref. Aug. 1966. 470 I09
- 241124 JONES, L. H. P., and HANDRECK, K. A. Studies of silica in the oat plant. III. Uptake of silica from soils by the plant. *Plant Soil* 23(1): 79-96. Ref. Aug. 1965. 450 P686
- 241125 JUNG, J., and EL-FOULY, M. The influence of chlorocholinechloride (CCC) on the content of chlorophyll, carotin, N, P, K, and Mg of wheat plants during development. (Ge) *Landwirt. Forsch.* 19(1):29-34. Ref. 1966. 18 L2333
English summary.
- 241126 KAUL, B. L. The sensitivity of low and high altitude barley to gamma-rays. *Cur. Sci.* 35(15):382-383. Aug. 5, 1966. 475 Sc13
- 241127 KNOBLOCH, W. Varietal differentiation in wheat with seed test and germinating plants. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(39):1472-1474. Sept. 29, 1966. 18 N39
- 241128 KOL, E. The effect of algae on germination and growth of rice. I. Laboratory experiments. *Advancing Frontiers Plant Sci.* 15:51-69. 1966. 452.4 V81
- 241129 KOSHIMIZU, K., and others. Identity of lupin inhibitor with abscisin II and its biological activity on growth of rice seedlings. *Agr. Biol. Chem.* 30(9):941-943. Ref. Sept. 1966. 385 Ag8B
H. Fukui, T. Mitsui, and Y. Ogawa, joint authors.

- 24130 KUZIN, A. M., and MERKULOV, A. S. Lipoxidase activity in gamma-irradiated seeds. (Rus) Radiobiologiya 5(4):571-575. Ref. 1965. 442.8 R11
Corn.
- 24131 LATKOVICS, MRS. GY., and MATE, F. Investigation of the nutrient uptake of the young maize plant with the aid of P^{32} labelling. (Hu) Agrokem. Talajtan 15(1):67-74. Jan. 1966. 385 Ag83
English summary.
Superphosphates applied.
- 24132 EL-LEBOUDI, A. EL S. K. Nitrogen nutrition and phosphate absorption by excised roots. Diss. Abstr., Sect. B, 27(4):1046B-1047B. Oct. 1966. Z5055,U49D53
Barley.
- 24133 LIMBERG, P. Interaction and complex effect in wheat. (Ge) Deut. Landwirt.-Ges. Pflanzenzucht, Vortr. Pflanzenzüchter 9:57-78. Ref. 1965. 451 D485
Chiefly effect of environment on yields.
- 24134 LINSEY, H. On the use of CCC for preventing lodging of bread grains. (Ge) Getreide Mehl 16(9):96-100. Ref. Sept. 1966. 298.8 G332
- 24135 LJUNGBERG, G. Seed quality of the 1965 barley crop in upper Norrland. (Sw) Norrbottens Lantmannabl. 2:35-36. Mar. 1966. 11 N792
Viability.
- 24136 MARCUS, A., FEELEY, J., and VOLCANI, T. Protein synthesis in imbibed seeds. III. Kinetics of amino acid incorporation, ribosome activation, and polysome formation. Plant Physiol. 41(7):1167-1172. Ref. Sept. 1966. 450 P692
- 24137 MARDZHANISHVILI, YU. V. Osnovnye bioekologicheskie faktory vyzhdlyvaniya pshenitsy v stepnoi zone Vostochnoi Gruzii [Principal biological and ecological factors affecting cultivation of wheat in the steppe zone of eastern Georgia]. Tbilisi, Metsniereba, 1966. 194 p. Ref. SB191.W5M3
- 24138 MASUDA, Y., SETTERFIELD, G., and BAYLEY, S. T. Ribonucleic acid metabolism and cell expansion in oat coleoptile. Plant Cell Physiol. 7(2):243-262. Ref. July 1966. 450 P699
- 24139 MATE, F., and LATKOVICS, MRS. GY. Study of the utilization of various nitrogen chemical fertilizers with N^{15} stable isotope labelling. (Hu) Agrokem. Talajtan 15(1):75-84. Jan. 1966. 385 Ag83
English summary.
Barley as test plant.
- 24140 MATOSHKO, I. V., and TURBIN, N. V. Some biochemical peculiarities of heterotic corn plants. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(6):417-420. Ref. June 1966. 511 M663D
- 24141 MAYR, E. Global radiation as essential factor for yield and duration of vegetation of summer grain. (Ge) Agr. Meteorol. 4(1):71-75. Jan. 1967. 340.8 Ag8
English summary.
- 24142 MIHAJLOVIC, M. L., ANTIC, M., and HADZICJEV, D. Chemical investigation of wheat. 8. Dynamics of various forms of phosphorus in wheat during its ontogenesis. The extent and mechanism of phytic acid decomposition in germinating wheat grain. Plant Soil 23(1):117-128. Ref. Aug. 1965. 450 P696
- 24143 MOSSE, J., and others. Comparative study on the amino acid percentage and composition of protein fractions of normal and mutant corn seeds. (Fr) Acad. Sci. Compt. Rend. Ser. D, 265(10):788-791. Ref. Sept. 5, 1966. 505 P21
J. Baudet, J. Landry, and T. Moureaux, joint authors.
- 24144 MUMFORD, F. E., and JENNER, E. L. Purification and characterization of phytochrome from oat seedlings. Biochemistry 5(11):3657-3662. Ref. Nov. 1966. 381 E523
- 24145 NUTTONSON, M. Y. Global agroclimatic analogues for the rice regions of the continental United States. Washington, American Institute of Crop Ecology, 1965. 9 p. SB191.R5N8
Physiological aspects.
- 24146 OBENDORF, R. L. Light stimulation and distribution of photosynthetic carboxylative phase enzymes in greening barley leaves. Diss. Abstr., Sect. B, 27(3):705B-706B. Sept. 1966. Z5055,U49D53
- 24147 OLSEN, S. R., and WATANABE, F. S. Effective volume of soil around plant roots determined from phosphorus diffusion. Soil Sci. Soc. Amer. Proc. 30(5):598-602. Ref. Sept./Oct. 1966. 56.9 So3
Includes uptake by excised corn roots.
- 24148 OSTROWSKA, A. Effect of low doses of Co-60 gamma radiation on some species of cultivated plants. II. The uptake of nutrients by wheat and barley after the irradiation of the seeds. (Pol) Roczn. Nauk Roln. 91-A-3:659-664. 1966. 20.5 R59
English summary.
- 24149 PALFI, G. Relationship between the translocation of amino acids in wheat, maize and rice. (Hu) Agrokem. Talajtan 15(1):117-124. Ref. Jan. 1966. 385 Ag83
English summary.
- 24150 PALLADINA, T. A., and ZHABITSKII, P. F. Peculiarities of nitrogen exchange in corn cultivated on irrigated soils. (Rus) Agrokimiya 10:13-17. Ref. Oct. 1965. 385 Ag89
- 24151 PARKINSON, K. J., and BANBURY, G. H. Bioelectric potentials of intact green plants. I. Measurement of the bio-electric potentials of coleoptiles of Avena sativa L., var. "Barnwell." J. Expt. Bot. 17(51):297-308. Ref. May 1966. 450 J8224
Review of the literature.
Includes types of electrodes used in the study.
- 24152 PERIGAUD, S. Effects of mechanical resistance and oxygen deficiency on the growth of corn. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10):695-702. June 1/8, 1966. 14 P215Bc
Caused by soil compaction.
- 24153 PERIGAUD, S. Effects of mechanical resistance and oxygen deficiency on the mineral nutrition of corn. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10):702-707. June 1/8, 1966. 14 P215Bc
Caused by soil compaction.
- 24154 PERRIN, A., and KARLIN, R. Presence of vitamins soluble in water in the guttation liquid of young corn seedlings. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(4):366-367. July 25, 1966. 505 P21
- 24155 PESEK, F. Preliminary report on the translocation of the natural radioactive isotope ^{32}P in the germinating seed of Triticum aestivum L. Acta Agron. [Budapest] 15(1/2):45-48. 1966. 19 Ac8
- 24156 PETINOV, N. S., and ABRAROV, A. A. Relative changes in alternative paths of respiration with increase of drought. (Rus) Fiziol. Rast. 13(3):479-486. Ref. May/June 1966. 450 F58
English summary.
Studied in maize and horsebean plants.
- 24157 PLAUT, Z., and HALEVY, A. H. Increasing the regeneration of wheat plants following wilting by treatment with two growth-retarding chemicals. Naturwissenschaften 53(19):509. Oct. 1, 1966. 474 N213
- 24158 PONOMAREV, G. V. Effect of growing conditions of seed material on occurrence of radiobiological effects by subsequent irradiation of seeds with fast neutrons. (Rus) Radiobiologiya 6(2):294-297. 1966. 442.8 R11
Barley.
- 24159 PRINE, G. M., and SCHRÖDER, V. N. Varying the light environment of semiproliferous hybrid corn (Zea mays L.). Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:284-294. Ref. 1965, pub. 1966. 56.9 So32
- 24160 PUGSLEY, A. T. The photoperiodic sensitivity of some spring wheats with special reference to the variety Thatcher. Australian J. Agr. Res. 17(5):591-599. Sept. 1966. 23 Au783
- 24161 RAINS, D. W. Transport of sodium in plant tissue. Diss. Abstr., Sect. B, 27(3):665B. Sept. 1966. Z5055,U49D53
Barley plants.
- 24162 ROUQUEROL, T., and TUZET, O. Relationship between higher plant and endophyte amoeba (Oryza sativa and Rizameba camariae). (Fr) Inst. Pasteur. Ann. 111(3,sup.):307-313. Sept. 1966. 448.3 An75

- 24163 SALANOVA, A. H. Responses of *Zea mays* L. to water stress. Diss. Abstr., Sect. B, 27(4): 1049B. Oct. 1966. Z5055.U49D53
- 24164 SAVIN, V. N., and SHUTOV, A. A. Changes in growth and speed of leaf formation in barley after gamma irradiation of seeds. (Rus) Radiobiologiya 6(1):131-133. 1966. 442.8 R11
- 24165 SAVIN, V. N., and SHUTOV, A. A. Effect of gamma rays on tillering and growth of side sprouts of some agricultural plants. (Rus) Radiobiologiya 5(5):770-772. 1965. 442.8 R11
- Perilla, barley and beans.
- 24166 SBEY, J. The effect of water supply and nitrogen on the yield of spring wheat. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):297-301. Ref. 1966. 509 B453
- English summary.
- 24167 SILVA, S., and FONTANA, P. Study of the nitrogen nutrition of wheat with ^{15}N . (It) Agrochimica 10(4):331-343. Ref. Sept. 1966. 385 Ag84
- English summary.
- 24168 SOLTANPOUR, P. N. A. Interrelations of nitrogen, zinc and iron on the growth of three corn hybrids. Diss. Abstr., Sect. B, 27(2): 348B. Aug. 1966. Z5055.U49D53
- 24169 SRIVASTAVA, S. N. S. Uptake and translocation of sulphanilamide and griseofulvin by the rice plant. Cur. Sci. 35(13):327-329. July 5, 1966. 475 Sci23
- 24170 SZEKELY, A., and DIGLERIA, J. The importance of naphthenic acids in agricultural chemistry. (Hu) Agrochim. Talajtan 15(1):125-130. Ref. Jan. 1966. 385 Ag83
- English summary.
- Effects on corn and tomato.
- 24171 TAFURI, F. IAA determination in the kernels of four lines of corn and of their hybrids. Phytochemistry 5(5):999-1003. Ref. Sept. 1966. 450 P5622
- 24172 VAVILOV, P. P., and others. Inhibitive effect of small doses of ionizing irradiation on vegetating plants. (Rus) Radiobiologiya 6(2): 278-283. Ref. 1966. 442.8 R11
- I. N. Verkhovskaya, O. N. Popova, and R. P. Kodaneva, joint authors.
- Wheat and barley.
- 24173 VIKTOROVA, L. N., and SHPIKITER, V. O. Isolation of 13 S globulin from buckwheat seeds. (Rus) Akad. Nauk SSSR. Dokl. 169(2): 474-475. 1966. 511 P444A
- 24174 VITOLA, A., and IRBE, I. Distribution of photosynthetically active radiation in sowings with different degree of density. (La) Latv. PSR Zinat. Akad. Vestis 11:81-84. 1965. 511 R442
- English summary.
- Effects of solar radiation on buckwheat.
- 24175 WANG, D. Carbon metabolism of ^{14}C -labeled amino acids in wheat leaves. IV. Effect of glyoxylate, acetate, or pyruvate on alanine metabolism. Boyce Thompson Inst. Contrib. 23(7): 269-273. July/Sept. 1966. 451 B69
- 24176 WELLS, S. A., and DUBETZ, S. Reaction of barley varieties to soil water stress. Can. J. Plant Sci. 46(5):507-512. Ref. Sept. 1966. 450 C16
- 24177 ZHEBRACK, E. A., KOLCHIN, N. M., and NIKOL'SKII, YU. K. Fractional composition of proteins of diploid and tetraploid buckwheat. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(8): 597-598. Aug. 1966. 511 M663D
- 24178 ZHELTAYA, N. N. Relation between yields of early spring grain crops and meteorological factors. (Rus) Meteorol. Gidrol. 9:35-37. Sept. 1966. 345 M56
- 24180 ATAZHANOV, M. A. Effect of ionizing irradiation on growth, development and yields of cotton. (Rus) Radiobiologiya 5(4):624-626. 1965. 442.8 R11
- Gamma rays.
- 24181 BURLESON, C. A. Phosphorus and zinc interactions in flax as related to the development of phosphorus-induced zinc deficiency. Diss. Abstr., Sect. B, 27(3):649B. Sept. 1966. Z5055.U49D53
- 24182 BYGOTT, R. B. Tests of cotton seed treatments for early emergence. Queensland J. Agr. Anim. Sci. 22(4):503-506. Dec. 1965. 23 Q37
- 24183 CULVENOR, C. C. J., and SMITH, L. W. Usaramine, a new pyrazolidine alkaloid from *Crotalaria usaramensis* E. G. Baker. Australian J. Chem. 19(11):2127-2131. Nov. 1966. 475 Au73
- 24184 DIPPENAR, M. C. Improve germination in cotton. Farming S. Afr. 42(6):35, 37-38. Sept. 1966. 24 So842
- 24185 KABULOV, D. T., MUMINOV, M. M., and ISMAILOV, F. I. Effect of low doses of gamma irradiation on growth and development of cotton. (Rus) Radiobiologiya 5(2):309. 1965. 442.8 R11
- 24186 KUGATOVA-SHEMYAKINA, G. P., and others. Effect of 4-(2,6-dimethylcyclohexene-3-yl)-butanol-4-on-2 on the physiological processes and yield of fine cotton. (Rus) Agrokhimiya 8:103-107. Aug. 1965. 385 Ag89
- D. A. Agakishiev, V. A. Rudenko, G. P. Smirnova, T. B. Bazanova, and K. M. Akopova, joint authors.
- Seed treatment for better yields.
- 24187 MCQUIGG, J. D., and CALVERT, O. H. Influence of soil temperatures on the emergence and initial growth of upland cotton. Agr. Meteorol. 3(3/4):179-185. May 1965. 340.8 Ag8
- 24188 NAZIROV, N. N. Effect of growing conditions on radiosensitivity of cotton. (Rus) Radiobiologiya 5(5):772-775. 1965. 442.8 R11
- 24189 PAIZIEV, P., IBRAGIMOV, SH. I., and KOVAL'-CHUK, R. I. Effect of radiation on growth and development of cotton. (Rus) Radiobiologiya 5(4):593-595. 1965. 442.8 R11
- Gamma rays.
- 24190 PALMER, J. H. Diurnal variation in leaf and ball temperatures of irrigated cotton grown under two soil moisture regimes in a semi-arid climate. Agr. Meteorol. 4(1):39-54. Ref. Jan. 1967. 340.8 Ag8
- Australia.
- 24191 RATAJ, K. The side effects of the fungicides Phalan and Captan on yields and quality of flax. (Cz) Len Konopi 5:41-50. 1965. 73.8 L543
- English summary.
- Beneficial effects due to increased chlorophyll formation.
- 24192 SADYKOV, S. S., and OMEL'CHENKO, V. S. Viability of the cotton pollen in the first generation, depending on parental fertilization and root nutrition. (Rus) Uzbekistan Akad. Nauk. Dokl. 3:44-47. Ref. 1966. 511 U21
- 24193 WATERS, L. C. Ribonucleic acid synthesis in germinating cotton seeds. Diss. Abstr., Sect. B, 27(2):394B. Aug. 1966. Z5055.U49D53
- 24194 ZAKIROV, T. S., and BABAYEV, T. Y. Effective of organophosphorus defoliants of cotton in Samarkandskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:20-26. (JPRS 27,230; TT 64-51485) 173 J663Uc
- Translation from Khimiya v Sel'skom Khozyaystve 8:38-40. Aug. 1964.
- CFSTI 83.00.

Physiology and Biochemistry - Fiber Crops

Physiology and Biochemistry - Forage Crops and Grasses

- 24179 ATAL, C. K., and others. Alkaloids of *Crotalaria rubiginosa* Willd. Trichodesmin and Junceine. Australian J. Chem. 19(11):2189-2191. Nov. 1966. 475 Au73
- R. K. Sharma, C. C. J. Culvenor, and L. W. Smith, joint authors.
- 24195 ALLISON, R. M., and WRIGHT, G. M. Chemical composition of Brassica varieties and hybrids as affected by environment and stage of growth. New Zeal. J. Agr. Res. 9(3):508-528. Ref. Aug. 1966. 23 N4892
- Kale and chou moellier.

- 24196 BARNETT, N. M. Amino acid and protein synthesis in Bermuda grass during water stress. Diss. Abstr., Sect. B, 27(4):1044B. Oct. 1966. Z5055.U49D53
- 24197 BLANCHET, R., and BOSCH, M. Role of exchange balance in the speed of utilization of potassium from soil originally non exchangeable by plants; nutrition of plants. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(11):822-825. Sept. 12, 1966. 505 P21
Italian ryegrass as test plant.
- 24198 BROWN, D. H., and FOWDEN, L. Characterization of delta-acetyl-L-ornithine isolated from *Onobrychis viciifolia* Scop. Phytochemistry 5(5):881-886. Ref. Sept. 1966. 450 P5622
- 24199 BROWN, D. H., and FOWDEN, L. Metabolism of delta-acetylornithine in two leguminous species. Phytochemistry 5(5):887-893. Ref. Sept. 1966. 450 P5622
Sainfoin and mung beans.
- 24200 BURNS, J. C. Influence of mineral nutrition on biochemical intermediates and cations in Medicago sativa L. and on soil-plant-animal relationships. Diss. Abstr., Sect. B, 27(2):347B. Aug. 1966. Z5055.U49D53
- 24201 BUTLER, J. D. Effects of substrate and plant manganese on the germination, yield, and mineral composition of turfgrasses. Diss. Abstr., Sect. B, 27(3):661B. Sept. 1966. Z5055.U49D53
- 24202 DAVIES, E. B., and WATKINSON, J. H. Uptake of native and applied selenium by pasture species. II. Effects of sulphate and of soil type on uptake by clover. New Zeal. J. Agr. Res. 9(3):641-652. Aug. 1966. 23 N4892
- 24203 DESOUSA, D. I. A. Nodulation of indigenous Trinidad legumes. Trop. Agr. [St. Augustine] 43(3):265-267. July 1966. 26 T754
- 24204 GABORCIK, S. Study of some physiological relations on grasses during breeding. (Cz) Biologia [Bratislava] 21(7):493-502. 1966. 442.8 B5265
Germany summary.
- 24205 GARG, D. K. Effect of photoperiod, temperature, nitrogen and gibberellic acid on rhizome growth and differentiation in *Cyperus esculentus* L. Diss. Abstr., Sect. B, 27(3):663B-664B. Sept. 1966. Z5055.U49D53
- 24206 GERLOFF, E. D. Proteins and lipids in alfalfa roots as related to cold hardness. Diss. Abstr., Sect. B, 27(4):1013B. Oct. 1966. Z5055.U49D53
- 24207 GIBSON, A. H. The carbohydrate requirements for symbiotic nitrogen fixation: a "hole-plant" growth analysis approach. Australian J. Biol. Sci. 19(4):499-515. Ref. Aug. 1966. 442.8 Au72
Nodule bacteria in *Trifolium subterraneum*.
- 24208 GRAY, L. H., and BOAG, J. W. The inhibition of root growth by electron radiation. Int. J. Radiat. Biol. 10(1):95-96. 1966. 444.8 In8
Broadbeans.
- 24209 GRIMES, H., and FOTTELL, P. F. Enzymes involved in glutamate metabolism in legume root nodules. Nature [London] 212(5059):295-296. Ref. Oct. 15, 1966. 472 N21
In white clover, pea and alfalfa.
- 24210 HARRIS, P. B., MCNAUGHT, K. J., and LYNCH, P. B. The main effects and interactions of nutrients on the growth of irrigated lucerne. New Zeal. J. Agr. Res. 9(3):653-690. Ref. Aug. 1966. 23 N4892
- 24211 HAUT, W. F. Density gradient centrifugation studies of DNA replication in *Vicia* roots. Diss. Abstr., Sect. B, 27(4):1048B. Oct. 1966. Z5055.U49D53
- 24212 HUBBS, J. W., and PARSONS, J. L. Relation of seedling rate to the lignin content of alfalfa. Ohio. Agr. Res. Develop. Center. Res. Circ. 147. 10 p., map. Oct. 1966. 100 Oh3R
- 24213 HOWARD, A. Effect of X-rays on the number and growth-rate of lateral roots in *Vicia faba*. Int. J. Radiat. Biol. 10(1):83-93. Ref. 1966. 444.8 In8
- 24214 HUTTON, E. M., and COOTE, J. N. Tannin content of some tropical legumes. Australian Inst. Agr. Sci. J. 32(2):139-140. June 1966. 23 Au74
For forage.
- 24215 JONES, D. A. On the polymorphism of cyanogenesis in *Lotus corniculatus*. I. Selection by animals. Can. J. Genet. Cytol. 8(3):556-567. Ref. Sept. 1966. 443.8 C16
- 24216 JUKNA, YA. Variations in molybdenum content of plants of natural meadow. (Rus) L'vov. PSR Zinat. Akad. Vestis 8:93-102. Ref. 1965. 511 R442
English summary.
- 24217 KIRBY, D. K., and GOODCHILD, D. J. Host influence on the ultrastructure of root nodules of *Lupinus luteus* and *Ornithopus sativus*. J. Gen. Microbiol. 45(1):147-152. Ref. Oct. 1966. 448.3 J823
Infected by *Rhizobium lupini*.
- 24218 LANGILLE, J. E., and others. Influence of nitrogen fertilization and harvesting management on yield and chemical composition of *Spartina pectinata* on dikeland. Can. J. Plant Sci. 46(5):561-566. Ref. Sept. 1966. 450 C16
J. W. G. Nicholson, F. S. Warren, and R. B. Carson, joint authors.
- 24219 MCCOWN, R. L. Competition for light and nutrients by *Erodium mollis* and *Erodium botrys*. Diss. Abstr., Sect. B, 27(3):704B. Sept. 1966. Z5055.U49D53
- 24220 NOR-AREVYAN, N. G. Effect of oxygen pressure in the moment of irradiation on the level of metabolism of phosphorus compounds in *Vicia faba* rootlets. (Rus) Radiobiologiya 5(2):301-303. Ref. 1965. 442.8 R11
- 24221 OGDEN, P. R. Physiology of Agropyron intermedium. Diss. Abstr., Sect. B, 27(4):1273B. Oct. 1966. Z5055.U49D53
- 24222 QUINLIVAN, B. J. The relationship between temperature fluctuations and the softening of hard seeds of some legume species. Australian J. Agr. Res. 17(5):625-631. Sept. 1966. 23 Au785
Subterranean clover (*Trifolium subterraneum*) and West Australian blue lupin (*Lupinus varius*).
- 24223 ROBERTS, F. J. The effects of sand type and fine particle amendments on the emergence and growth of subterranean clover (*Trifolium subterraneum* L.) with particular reference to water relations. Australian J. Agr. Res. 17(5):657-672. Ref. Sept. 1966. 23 Au783
- 24224 ROBISON, G. D. Some effects of temperature and leaf area index on vegetative growth and carbohydrate reserves of alfalfa plants. Diss. Abstr., Sect. B, 27(4):1015B. Oct. 1966. Z5055.U49D53
- 24225 RUSSELL, J. S. Plant growth on a low calcium status sodic soil in a subtropical environment. I. Legume species, calcium carbonate, zinc, and other minor element interactions. Australian J. Agr. Res. 17(5):673-686. Ref. Sept. 1966. 23 Au783
Trifolium repens and *Phaseolus lathyroides*.
- 24226 VERMA, B., and JAYARAM, N. S. Preliminary growth studies on velvet bean (*Sizolobium* spp.) in chalka soils of Hyderabad. Indian Forest. 92(7):465-466. July 1966. 99.8 In2
- 24227 VISONA, L. Influence of certain fungi on *Medicago sativa* L. and *Trifolium pratense* L. germination. (Fr) Inst. Pasteur. Ann. 111 (3,sup.):318-325. Sept. 1966. 448.3 An75
English summary.

Physiology and Biochemistry - Oil Crops

- 24228 BOYER, J. S. Isopiestic technique: measurement of accurate leaf water potentials. Science 154(3755):1459-1460. Dec. 16, 1966. 470 Sci2
Of sunflower.
- 24229 CAVINESS, C. E., and BERGER, G. A. Chemical defoliant and a desiccant on soybean plants. Soybean Dig. 26(11):35-36. Aug. 1966. 60.38 So9
Physiological effects of drifts from adjacent cotton plantings.
- 24230 CHOI, I. C., and ARONOFF, S. Apetiolar photosynthate translocation. Plant Physiol. 41(7):1130-1134. Sept. 1966. 450 P692
14CO2 study of soybeans.

- 24231 CHOI, I. C., and ARONOFF, S. Photosynthate transport using tritiated water. *Plant Physiol.* 41(7):1119-1129. Ref. Sept.1966. 450 P692 Soybeans.
- 24232 DEERING, R. E. A precision system for soybeans; experimental growth regulator TIBA works well if given help from improved production practices. *Farm Quart.* 21(6):86-87, 123-126, Winter 1966/67. 6 F22995
- 24233 HOLLEMAN, J. M. Amino acid pools in the soybean hypocotyl. *Diss. Abstr.*, Sect. B, 27 (2):374B, Aug.1966. Z5055,U49D53
- 24234 HUYSSTEE, R. B. VAN, and CHERRY, J. H. Hybridization of messenger RNA with DNA from plants. *Biochem. Biophys. Res. Commun.* 23(6):835-841. Ref. June 21,1966. 442.8 B5236 Peanuts.
- 24235 KEY, J. L., and others. Relation of 2,4-D-induced growth aberrations to changes in nucleic acid metabolism in soybean seedlings. *Bot. Gaz.* 127(2/3):87-94. Ref. June/Sept.1966. 450 B652
C. Y. Lin, E. M. Gifford, and R. Dengler, joint authors.
- 24236 MATHUR, J. M. S. The "in vivo" mechanism of lipolysis of peanut and cotton seed fats. *Cur. Sci.* 35(12):302-303. Ref. June 20,1966. 475 Sci23
- 24237 EL SAEED, E. A. K. Effects of seed size on oil content and seedling emergence in safflower (*Carthamus tinctorius* L.) grown in the Sudan. *Exp. Agr.* 2(4):299-304. Oct.1966. 10 Ex72
- 24238 SESSA, D. J., and RACKIS, J. J. Paper chromatographic detection of plant phenols with antimony trichloride. *J. Chromatography* 23 (3):487-490. Ref. Aug.1966. 475 J624 In soybeans.
- 24239 SINGH, M. Net radiation, visible radiation, apparent photosynthesis and evapotranspiration in soybean canopies. *Diss. Abstr.*, Sect. B, 27(3): 665B, Sept.1966. Z5055,U49D53
- 24240 TIMASHOV, N. D. The effect of boron on the content of low- or high-polymeric RNA, on the nucleotide composition of RNA and on the activity of ribonuclease of cytoplasmatic structures of sunflower. (Russ.) *Akad. Nauk SSSR. Dokl.* 169(6):1459-1462. Ref. 1966. 511 P444A
- Physiology and Biochemistry - Sugar Crops
- 24241 BEKETAEVA, L. I. Comparative evaluation of dynamics in decomposition of the pectic substances. (Russ.) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:37-40. July/Aug.1966. 442.8 AL6 Sugar beets and strawberries.
- 24242 DEFEEL, N. E., and others. Evaluation of phosfon and maleic hydrazide as late season yield stimulants on sugar-cane. *Trop. Agr. [St. Augustine]* 43(3):199-210. Ref. July 1966. 26 T754
E. Ortiz-Torres, C. Colberg, and G. Samuels, joint authors.
Puerto Rico.
- 24243 GODNEV, T. N., and VLASENKO, N. E. Effect of various forms of nitrogen on accumulation of carotene in sugar beet and collard leaves. (Russ.) *Akad. Nauk Belorussk. SSR. Dokl.* 10(7): 489-491. July 1966. 511 M663D
- 24244 HEINRICHOWA, K., JESKO, T., and LUKACOVIC, A. The effect of the mixture of minor elements on some processes of sugar beets during the vegetative period. III. Changes of nitrogenous substances. (Ge) *Biologia [Bratislava]* 21(8):561-571. Ref. 1966. 442.8 B5265
- 24245 ILEY, J. R., and HOOKS, S. L. Preliminary investigations of the relationship of pH and sugarcane responses on organic soils. *Soil Crop Sci. Soc. Fla. Proc.* 25th Annu. Meeting: 29-35. Ref. 1965, pub. 1966. 56.9 S032
- 24246 IL'INA, G. V., KUZNETSOVA, N. N., and RYDKIN, S. G. Effect of ionizing radiation and physiologically active substances on plant metabolism. (Russ.) *Radiobiologiya* 5(3):446-450. 1965. 442.8 R11 Sugar beets.
- 24247 JACOBY, B. The influence of oligomycin on sodium and chloride uptake by beet root tissue. *Plant Cell Physiol.* 7(2):307-311. Ref. July 1966. 450 P699
- 24248 KRUMBIEGEL, D. The effect of climatic factors on the growth and yields of sugar beet (*Beta vulgaris* var. *altissima*). (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):231-248. Ref. 1966. 509 B453 English summary.
- 24249 LUDECKE, H., and NITZSCHE, M. Root and top relation and the quotient of ripeness at the end of the formation of sugars in sugar beets under different climatic conditions; 1959-1965 tests. (Ge) *Zucker* 19(15):391-396. (Cont.) Aug.1,1966. 65.8 Z82 English summary.
- 24250 LUKACOVIC, A., HEINRICHOWA, K., and JESKO, T. The effect of the mixture of minor elements on some processes of sugar beets during the vegetative period. II. Changes in the quantitative composition of free saccharides. (Ge) *Biologia [Bratislava]* 21(7):481-492. Ref. 1966. 442.8 B5265
- 24251 SNYDER, F. W., and TOLBERT, N. E. Influence of nitrogen nutrition and season on photosynthetic incorporation of C¹⁴O₂ into sucrose and other soluble compounds of the sugarbeet. *Bot. Gaz.* 127(2/3):164-170. Ref. June/Sept. 1966. 450 B652
- 24252 RIXON, A. J., and SHERMAN, G. D. Mineral composition of sugar-cane tissues as affected by applications of lime and phosphate in Hawaii. *Trop. Agr. [St. Augustine]* 43(4):295-302. Ref. Oct.1966. 26 T754
- 24253 YANG, K. J. Diphosphopyridine nucleotide-nitrate reductase in *Beta vulgaris* L. *Diss. Abstr.*, Sect. B, 27(2):377B-378B. Aug.1966. Z5055,U49D53 Sugar beets.
- Physiology and Biochemistry - Tobacco
- 24254 ARSENYAN, E., and PASKALEVA-TOMOVA, K. Composition of leaf pigments of Virginia tobacco in relation to their quality. (Bulg.) *Bulg. Trudyun* 11:37-40. 1965. 69.8 B872
- 24255 BOARDMAN, N. K., FRANCKI, R. I. B., and WILDMAN, S. G. Protein synthesis by cell-free extracts of tobacco leaves. III. Comparison of the physical properties and protein synthesizing activities of 70 s chloroplast and 80 s cytoplasmic ribosomes. *J. Mol. Biol.* 17(2): 470-487. Ref. June 1966. 442.8 J824
- 24256 DE ROO, H. C. Survival of tobacco seedlings, as affected by decenylsuccinic acid and transplant size. *Tobacco [New York]* 163(25):29-32. Ref. Dec.16,1966. 286.89 T552
- 24257 DULIEU, H. L. Pollination of excised ovaries and culture of ovules of *Nicotiana tabacum* L. *Phytomorphology* 16(1):69-75. Ref. Mar.1966. 450 P566
- 24258 FRITIG, B., HIRTH, L., and OURISSON, G. Identification of scopolin and scopoletin in tobacco tissue cultures and their variations in volume during the growth. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(11):838-841. Sept.12, 1966. 505 P21
- 24259 GOLDSWORTHY, A. Experiments on the origin of CO₂ released by tobacco leaf segments in the light. *Phytochemistry* 5(5):1013-1019. Sept.1966. 450 P5622
- 24260 KANNIESSER, W. Electron-microscopic observations on the juice of healthy tobacco plants. 3 p. *Transl.* 16234
Translation from *Naturwissenschaften* 39:68. 1952.
- 24261 KEEFER, G. D., and others. Effects of withholding irrigation after transplanting tobacco. *Queensland J. Agr. Anim. Sci.* 22(4):387-407. Ref. Dec.1965. 23 Q37
G. Gibson, H. T. Green, and P. H. J. Van Waveren, joint authors.
Includes water metabolism and other physiological aspects.

- 24262 LIGON, J. T. Effects of soil moisture tension and environmental factors on internal water balance of tobacco leaves. *Amer. Soc. Agr. Eng. Pap.* 235,16 p. Ref. 1966. 290.9 Am32P
- 24263 MILLER, A., KARLSSON, U., and BOARDMAN, N. K. Electron microscopy and ribosomes isolated from tobacco leaves. *J. Mol. Biol.* 17(2): 487-489. June 1966. 442.8 J8224
- 24264 SKOOG, F., and others. Cytokinin activity; localization in transfer RNA preparations. *Science* 154(3754):1354-1356. Ref. Dec.9, 1966. 470 Sc82
- D. J. Armstrong, J. D. Cherayil, A. E. Hampe, and R. M. Bock, joint authors.
- In tobacco.
- 24265 UZORIN, E. K., and DEMINA, O. K. Phasic changes in some indices of growth and metabolism of *Nicotiana* [tabacum and rustica] plants under the effect of gamma rays. (*Rus. Radiobiologiya* 5(4):576-579. Ref. 1965. 442.8 R11
- 24266 YABUTA, T. S., and others. Biochemical study of gibberellin. XIII. The effects of gibberellin on special components and special tissues of plants. 4. Action of gibberellin on tobacco seedlings. 1. 7 p. Transl. 16300
- Y. Sumiki, K. Asou, and T. Hayashi, joint authors.
- Physiological effects.
- Translation from Agricultural Chemical Society of Japan. *Journal* 17(12):1001-1004. Dec. 1941.
- 24267 YOSHIDA, D., and MITAKE, T. Agmatine and N-carbamylputrescine as intermediates in the formation of nicotine by tobacco plants. *Plant Cell Physiol.* 7(2):301-305. July 1966. 450 P699
- Physiology and Biochemistry of Horticultural Crops**
- 24268 GOODING, E. G. B. Climatic factors and potato growth. *Exp. Agr.* 2(2):129-137. Apr. 1966. 10 Ex72
- 24269 KIPLINGER, D. C., MILLER, R. O., and TAYAMA, H. K. Growth regulators. *Florists' Rev.* 139(3597):52,107-113. Nov. 3, 1966. 80 W41
- 24270 THOMPSON, J. F. Irrigation: estimating the water needs of fully irrigated horticultural crops from potential transpiration figures. *Tasmanian J. Agr.* 37(3):184-189. Aug. 1966. 23 T182T
- Physiology and Biochemistry - Fruit Crops**
- 24271 ARNOLD, W. N. Beta-fructofuranosidase from grape berries. II-III. *Biochim. Biophys. Acta* 128(1):124-129, 196-198. Ref. Oct. 17, 1966. 381 B522
- 24272 BAR-AKIVA, A., and STERNBAUM, J. Nitrate reduction in citrus tree leaves. *Plant Soil* 23(1):141-144. Aug. 1965. 450 P696
- 24273 BATT, R. F., and MARTIN, J. T. The cuticles of Cox's Orange Pippin apples from a manual trial. *J. Hort. Sci.* 41(3):271-277. Ref. July 1966. 80 J825
- 24274 BURNS, R. M., and others. Gibberellin increases growth of Duke avocado seedlings. *Calif. Agr.* 20(10):6-7. Oct. 1966. 100 C12Cag
- S. M. Mircetich, C. W. Coggins, and G. A. Zentmyer, joint authors.
- 24275 CHACKO, E. K., and SINGH, R. N. The effect of gibberellic acid on the germination of papaya seeds and subsequent seedling growth. *Trop. Agr. [St. Augustine]* 43(4):341-346. Ref. Oct. 1966. 26 T754
- 24276 CHAUDHRY, W. M. Chemical changes associated with the breaking of the rest period in hardy pear. *Diss. Abstr.*, Sect. B, 27(3):701B. Sept. 1966. Z5055,U49D53
- 24277 CO, H. Biosynthetic precursors of pelargonidin-3-glucoside in the strawberry fruit. *Diss. Abstr.*, Sect. B, 27(3):717B. Sept. 1966. Z5055,U49D53
- 24278 CO, H., and MARKAKIS, P. Precursors in the biosynthesis of pelargonidin-3-glucoside. *Phytochemistry* 5(4):755-759. Ref. July 1966. 450 P5622
- Radioactive carbon study of strawberries.
- 24279 GROVES, A. B., and ROLLINS, H. A. A study of the comparative influence of captan and dodine fungicides on fruit set, fruit size, return bloom and cropping of the Stayman apple. *HortScience* 1(1):11-12. Winter 1966. SBI.H6
- 24280 GUTTRIDGE, C. G., and MASON, D. T. Effects of post-harvest defoliation of strawberry plants on truss initiation, crown branching and yield. *Hort. Res.* 6(1):22-32. May 1966. 80 H7892
- 24281 HIRANO, S., and KIRA, T. Influence of autotoxic root exudation on the growth of higher plants grown at different densities. Intraspecific competition among higher plants. XII. *Osaka City Univ. J. Biol.* 16:27-44. Ref. Dec. 1965. 442.9 Osl
- Peaches and persimmons.
- 24282 KIM, J. K. Effect of grafting and substantial variety of external form developmental processing in the genuses *Malus* and *Pyrus*. (Ko) Chunchon Nongkwa Taehak. *Yon'gu Nonmunip. J.* 1:12-18. Ref. July 1965. S19.C5
- English summary.
- 24283 KIM, J. K. Experiments on the induction of seedless fruits and growth of grape by gibberellin treatment. (Ko) Chunchon Nongkwa Taehak. *Yon'gu Nonmunip. J.* 1:19-27. Ref. July 1965. S19.C5
- English summary.
- 24284 MAJERNIK, O. The regulative property of roots of the apricot rootstocks and its relation to the premature dieback. (Cz) *Biologia [Bratislava]* 21(6):595-601. Ref. 1966. 442.8 B5265
- English summary.
- Effect of environment on hydrogen-ion concentration.
- 24285 MASON, D. T. Inflorescence initiation in the strawberry. I. Initiation in the field and its modification by post-harvest defoliation. *Hort. Res.* 6(1):33-44. Ref. May 1966. 80 H7892
- 24286 MEDAPPA, K. C. Growth and composition of the cranberry plant in relation to nutrient medium reaction. *Diss. Abstr.*, Sect. B, 27(4): 1014B-1015B. Oct. 1966. Z5055,U49D53
- 24287 MIDY, A. K. I. Phlorizin as factor in decreasing productivity of fruit gardens. (Rus) *Agroklimiya* 9:109-112. Ref. Sept. 1965. 385 Ag89
- Its effect on apple growth and soil toxicity.
- 24288 MITCHELL, A. R., and NICHOLSON, M. E. Pineapple growth and yield as influenced by urea spray schedules and potassium levels at three plant spacings. *Queensland J. Agr. Anim. Sci.* 22(4):409-417. Dec. 1965. 23 Q37
- Fertilizers.
- 24289 NAGARAJAN, G. R., and SESHADRI, T. R. Minor flavonoid components of the heartwood of *Prunus domestica*. *Curr. Sci.* 35(16):409-410. Aug. 20, 1966. 35 C12
- 24290 NAKATA, S., and WATANABE, Y. Effects of photoperiod and night temperature on the flowering of Litchi chinensis. *Bot. Gaz.* 127(2/3): 146-152. Ref. June/Sept. 1966. 450 B652
- 24291 NUTTONSON, M. Y. Agro-climatology and global agroclimatic analogues of the citrus regions of the continental United States. Washington, American Institute of Crop Ecology, 1965. 42 p., map. SB369.N8
- Physiological aspects.
- 24292 PERFIL'EV, V. E. The growth of apple seedlings during their first vegetation period, as expressed mathematically. (Rus) *Akad. Nauk SSSR. Dokl.* 169(4):971-974. 1966. 511 P444A
- 24293 PEYER, E., and KOBLET, W. The effect of temperature and hours of sunshine on the flowering date of grapes. (Ge) *Schweiz. Z. Obst-Weinbau* 102(10):250-255. May 14, 1966. 80 Sch9
- Includes statistics for a 20 year period.
- 24294 POUGET, R. A study of vegetative rhythm: physiological characteristics linked with earliness of bud bursting in the vine. (Fr) *Ann. Amelior. Plantes* 16(1):81-100. Ref. 1966. 14 F8499A
- English summary.

- 24295 POWELL, L. E., and PRATT, C. Growth promoting substances in the developing fruit of peach (*Prunus persica* L.). *J. Hort. Sci.* 41 (4):331-348. Ref. Oct. 1966. 80 J825
- 24296 SCHMADLAK, J. Contribution to the viability of apple pollen. (Ge) *Arch. Gartenbau* 13(6): 649-688. Ref. 1965. 80 Ar2
English summary.
- 24297 SCORA, R. W., and NEWMAN, J. E. A phenological study of the essential oils of the peel of Valencia oranges. *Agr. Meteorol.* 4(1):11-26, map. Ref. Jan. 1967. 340.8 Ag8
- 24298 SELAJAHUDIN, A., and BROZIK, S. Fertilization conditions in berry producing fruit varieties. II. Strawberry; gooseberry. *Acta Agron. [Budapest]* 15(1/2):187-198. 1966. 19 Ac8
- 24299 EL SISSI, H. I., and EL ANSARY, M. A. I. Phenolic components of *Mangifera indica*. III. *Planta Med.* 14(2):171-178. Ref. May 1966. 50 P87
- 24300 SPENCER, W. F. Effect of copper on yield and uptake of phosphorus and iron by citrus seedlings grown at various phosphorus levels. *Soil Sci.* 102(5):296-299. Ref. Nov. 1966. 56.8 So3
- 24301 SRERE, P. A., and SENKIN, J. Citrate condensing enzyme in citrus fruit. *Nature [London]* 212(5061):506-507. Ref. Oct. 29, 1966. 472 N21
- 24302 STATHAKOPOULOS, N. P. Root growth, periodicity of shoot growth and winter dormancy of *Poncirus trifoliata* (L.) Raf. as influenced by environmental factors and scions of sweet orange. *Diss. Abstr.*, Sect. B, 27(2):342B. Aug. 1966. Z5055.U49D3
- 24303 VAN BAVEL, C. H. M., NEWMAN, J. E., and HILGEMAN, R. H. Climate and estimated water use by an orange orchard. *Agr. Meteorol.* 4(1):27-37. Ref. Jan. 1967. 340.8 Ag8
- 24304 VIEITEZ, E., and others. Compounds isolated from *Ribes rubrum* cuttings and their biological action on cell growth. (Sp) *An. Edafol. Agrobiol.* 25(1/2):69-90. Ref. Jan./Feb. 1966. 506 Sp12
E. Seoane, M. D. V. Gesto, M. C. Mato, A. Vazquez, and A. Carnicer, joint authors.
English summary.
p-Hydroxybenzoic acid, vanillic and p-coumaric acid.
- Physiology and Biochemistry - Nuts
- 24305 WALLIHAN, E. F., and others. Mineral composition of leaflets of the coconut palm (*Cocos nucifera*) in southern Luzon, Philippines. *Philippine J.* 49(3):174-179. Aug. 1965. 25 P542
J. R. Velasco, R. G. Sharpless, and G. R. Bradford, joint authors.
Includes testing for relative vigor and probable presence of cadang-cadang.
- Physiology and Biochemistry - Shade Trees and Ornamental Plants
- 24306 ABROL, Y. P., CONN, E. E., and STOKER, J. R. Studies on the identification, biosynthesis and metabolism of a cyanogenic glucoside in *Nandina domestica* Thunb. *Phytochemistry* 5(5):1021-1027. Ref. Sept. 1966. 450 P5622
- 24307 BAYER, E., and others. Complex formation and flower colors. *Angew. Chem. Int. Edition Engl.* 5(9):791-798. Ref. Sept. 1966. 384 Z331
H. Egeter, A. Fink, K. Nether, and K. Wegmann, joint authors.
Anthocyanins in ornamental plants.
- 24308 BESEMER, S. T., and PARVIN, P. E. Growth retardants on potted poinsettias [*Euphorbia pulcherrima*]. *Florists' Rev.* 139(3596):31. Oct. 27, 1966. 80 W41
- 24309 BOYER, N. Variations in the extension and revolute movement of the tendrils of *Passiflora coerulea* in the course of time and affected by temperature. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):362-365. July 25, 1966. 505 P21
- 24310 COULTAS, C. L. The influence of fertilizers on the nutrition and performance of certain container-grown evergreens. *Diss. Abstr.*, Sect. B, 27(3):662B-663B. Sept. 1966. Z5055.U49D3
Thuja occidentalis and *Juniperus chinensis*.
- 24311 CREEKMORE, H. Daffodils are dangerous; the poisonous plants in your garden. New York, Walker, 1966. 256 p. Ref. S8617.C7
Includes toxic ornamental plants.
- 24312 FUKASAWA, H. Disc electrophoresis of proteins from juvenile and adult specimens of ivy. *Nature [London]* 212(5061):516-517. Oct. 29, 1966. 472 N21
Hedera helix.
- 24313 HARIHARAN, V., and RANGASWAMI, S. Chemical investigation of the bark of *Rhododendron arboreum* Sm. *Cur. Sci.* 35(15):390-391. Aug. 5, 1966. 475 Sci23
- 24314 FARRIS, G. P., and ASHFORD, M. Promotion of flower initiation in the glasshouse carnation [*Dianthus caryophyllus*] by continuous light. *J. Hort. Sci.* 41(4):397-406. Ref. Oct. 1966. 80 J825
Photoperiodic study.
- 24315 KIPLINGER, D. C., and MILLER, R. O. Controlling height of poinsettias. *Ohio Rep. Res. Develop. Biol. Agr. Home Econ.* 50(5):76-77. Sept./Oct. 1965. 100 Oh3S
With Cycocel and B-Nine.
- 24316 LAKE, J. V., and others. Seasonal variation in the transpiration of glasshouse plants. *Agr. Meteorol.* 3(3/4):187-196. Ref. May 1966. 340.8 Ag8
J. D. Postlethwaite, G. Slack, and R. I. Edwards, joint authors.
Helix soleiroli.
- 24317 LINSKENS, H. F., and TUPY, J. The amino acids pool in the style of self-incompatible strains of *Petunia* after self- and cross-pollination. *Zuchter* 36(4):151-158. Ref. 1966. 442.8 Z8
- 24318 MANTROVA, E. Z. Requirements of plants for nutrients as a basis for fertilization of ornamental plants. (Rus) *Agrokimiya* 10:67-72. Oct. 1965. 385 Ag89
- 24319 MATSUO, M., YAMAZAKI, M., and KASIDA, Y. Biosynthesis of skimmianine. *Biochem. Biophys. Res. Commun.* 23(5):679-682. June 13, 1966. 442.8 B5236
In *Skimmia japonica*.
- 24320 PALASZEK, S. M. DE P. An investigation of the biosynthesis of polyphenyls in *Tagetes erecta* L. *Diss. Abstr.*, Sect. B, 27(3):727B. Sept. 1966. Z5055.U49D3
- 24321 RATLE, G., and others. Prosopin and prosopinin, alkaloids from *Prosopis africana* (Guill. et Perr.) Tabu. (Preliminary note). (Fr) *Soc. Chim. Franc. Bull.* 9:2945-2947. Sept. 1966. 383 P21B
X. Monseur, B. C. Das, J. Yassi, Q. Khuong-Huu, and R. Goutarel, joint authors.
- 24322 RICHTER, W. Contribution to the discussion on "Guidelines for regulating flowering of Bromeliads" (3/1965). (Ge) *Deut. Gartenbau* 13(2):46-48. Ref. Feb. 1966. 80 G1948
- 24323 STREITBERG, H. Formation of bud variants in *P. Pflanzenzucht*, 56(1):70-87. Ref. Aug. 1966. 450 Z36
English summary.
- Physiology and Biochemistry - Vegetable and Truck Crops
- 24324 BORG, A. A case of molybdenum deficiency of cauliflower. (Sw) *Swed. Statens Vaxtskyddsanst. Vaxtskyddsnötiser* 29(1):9-12. 1965. 464.9 Sw3V
- 24325 CARLEY, H. E., and WATSON, R. D. A new gravimetric method for estimating root-surface areas. *Soil Sci.* 102(5):289-291. Nov. 1966. 56.8 So3
Onions, wheat and tomato.

- 24326 CHO, D. H., PARKS, L., and ZWEIG, G. Photoreduction of quinones by isolated spinach chloroplasts. *Biochim. Biophys. Acta* 126(2): 200-206. Ref. Oct.10,1966. 381 B522
- 24327 COHEN, D., ROBINSON, J. B., and PALEGG, L. G. Decapitated peas and diffusible gibberellins. *Australian J. Biol. Sci.* 19(4):535-543. Ref. Aug.1966. 442.8 Au72
Gibberellic acid.
- 24328 COIC, Y., LESANT, C., and PIOLLAT, M. T. The absorption of polyphosphates by the corn and the tomato plant. (Fr) *Ann. Physiol. Veg.* 7(2):75-83. 1965. 451 F8432
English summary.
- 24329 COSTES, C. Metabolism and physiological function of carotenoids in green leaves. (Fr) *Ann. Physiol. Veg.* 7(2):105-142. Ref. 1965. 451 F8432
English summary.
Tomatoes and corn.
- 24330 DENNIS, D. T., and COULTATE, T. P. Phosphofructokinase, a regulatory enzyme in plants. *Biochem. Biophys. Res. Comm.* 25(2):187-191. Ref. Oct.20,1966. 442.8 B5236
Carrots.
- 24331 FURUYA, M., and HILLMAN, W. S. Rapid destruction of the Pfr form of phytochrome by a substance in extracts of Pisum tissue. *Plant Physiol.* 41(7):1242-1244. Sept.1966. 450 P692
- 24332 GIOVANELLI, J., and MUDD, S. H. Enzymatic synthesis of cystathionine by extracts of spinach, requiring α -acetylthiomoserine or α -succinylthiomoserine. *Biochem. Biophys. Res. Commun.* 25(3):366-371. Ref. Nov.11,1966. 442.8 B5236
- 24333 GODNEV, T., and SELGA, M. Effect of long-wave and short-wave supplemental UV radiation on growth and accumulation of pigments in cucumber and tomato plants under conditions of glass-covered ground. (Rus) *Latv. PSR Zinat. Akad. Vestis* 3:58-66. Ref. 1966. 511 R442
English summary.
- 24334 GODNEV, T. N., and SHABEL'SKAYA, E. F. State of chlorophyll and activity of some oxidases in plants with various resistance to long-time complete shading. (Rus) *Akad. Nauk Belorussk. SSR, Dokl.* 10(6):411-413. June 1966. 511 M663D
Potatoes and lily of the valley.
- 24335 GRIFFITHS, J., and others. Studies on plant growth-regulating substances. XXII. Interactions between auxins and inactive analogues. *Ann. Appl. Biol.* 58(2):183-191. Ref. Oct. 1966. 442.8 An72
P. Interakositi, H. F. Taylor, and R. L. Wain, joint authors.
Peas and wheat.
- 24336 GUILLOT, A. Relationship between rhizogenesis and nucleic acid content in the tissues of young etiolated tomato cuttings (*Lycopersicon esculentum* Miller). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(4):358-361. Ref. July 25,1966. 505 P21
- 24337 HERONAI, M., and PETI, E. The quantitative changes of ascorbic acid during the growth of the Aranyeso bean variety. *Acta Agron. [Buda-pest]* 15(1/2):235-237. 1966. 19 Ac8
- 24338 HOWLETT, F. S. Nutrient element problems with vegetable crops. *Ohio Rep. Res. Develop.* *Plant. Agr. Home Econ.* 51(3):40-41,43-44,46-47. May/June 1966. 100 Oh35
Leaf analysis.
- 24339 JACKS, T. J. Compartmentation as a factor in the conversion of fat to carbohydrate in *Cucurbita pepo* (Linnaeus). *Diss. Abstr.*, Sect. B, 27(2):387B-388B. Aug.1966. Z5055,U49D53
- 24340 JENSEN, M. C. Growth chamber studies of evapotranspiration by red kidney beans. *Amer. Soc. Agr. Eng. Pap.* 234,14 p. 1966. 290.9 Am32P
- 24341 KONAREV, G., and others. Immunochemical investigations of the globulins of pea and hemp seeds differing with respect to maturity. (Rus) *Fiziol. Rast.* 13(3):459-457. Ref. May/June 1966. 450 F58
I. F. Chelmin, Kh. A. Yumaguzina, and I. P. Gavriluk, joint authors.
English summary.
- 24342 KRICKL, M. *Daucus carota* L.: Study of the viability, germination and the variation of seed weight. (Ge) *Saatgut-Wirtsch.* 18(3):86-92. Mar.1966. 61.8 Sa1
- 24343 LEBEDEVA, L. I., ERMOLAEV, V. K., and KERKIS, YU. YA. The results of storing irradiated pea seed at a temperature of -196° . (Rus) *Akad. Nauk SSSR, Dokl.* 169(6):1449-1451. 1966. 511 P444A
X-rays used.
- 24344 LEH, H. O. The effect of chlorocholine chloride (CCC) on the development and yields of vegetables and strawberries. (Ge) *Nachricht. Deut. Pflanzenschutzdienstes* 18(1):3-5. Jan.1966. 442.9 B832
- 24345 LETHAM, D. S. Isolation and probable identity of a third cytokinin in sweet corn extracts. *Life Sci.* 5(21):1999-2004. Nov.1966. 442.8 L62
- 24346 LINTILHAC, P. M., and PARK, R. B. Localization of chlorophyll in spinach chloroplast lamellae by fluorescence microscopy. *J. Cell Biol.* 28(3):582-585. Mar.1966. 442.8 J828
- 24347 LOCKSHIN, A. Properties of protein isolated from chloroplast lamellae. *Diss. Abstr.*, Sect. B, 27(4):1061B-1062B. Oct.1966. Z5055,U49D53
Isolated from Swiss chard.
- 24348 LYON, C. B., and GARMUS, R. D. Chemical control of vegetative growth and fruitfulness of tomatoes. *Nature [London]* 211(5047):441-442. July 23,1966. 472 N21
- 24349 MAMEDOV, T. G., and KHALISI, F. Dynamics of growth of beans and peas after single gamma irradiation. (Rus) *Radiobiologiya* 5(5):730-731. 1965. 442.8 R11
- 24350 MAYNARD, D. N., and BAKER, J. H. The influence of rubidium-potassium levels on growth and ion accumulation in tomato. *Plant Soil* 23(1):137-140. Aug.1965. 450 P696
- 24351 MEINL, G. The growth and water supply of individual organs of the potato. *Symp. Water Stress Plants. Proc.* 1963:223-227. 1965. QK873.S9
Includes discussion.
- 24352 MESSING, J. H. L. The effects of lime and superphosphate on manganese toxicity in steam-sterilized soil. *Plant Soil* 23(1):1-16. Ref. Aug.1965. 450 P696
Lettuce nutrition.
- 24353 MINAMIKAWA, T., KOJIMA, M., and URITANI, I. Dehydroquininate hydro-lyase and shikimate: NADP oxidoreductase in sliced roots of sweet potato. *Arch. Biochem. Biophys.* 117(1):194-195. Oct.1966. 381 Ar2
- 24354 MISHRA, D., and MOHANTY, S. K. The effect of B-nine (N-dimethyl amino succinamic acid) on the shoot growth of *Cajanus cajan*. *Cur. Sci.* 35(13):340-341. July 5,1966. 475 Sc123
- 24355 MORGAN, G. W. A note on the salt tolerance of okra (*Hibiscus esculentus*). *Trop. Agr. [St. Augustine]* 43(3):263-264. July 1966. 26 T754
- 24356 MORIMOTO, H., SANNO, Y., and OSHIO, H. Chemical studies on heliangine; a new sesquiterpene lactone isolated from the leaves of *Helianthus tuberosus* L. *Tetrahedron* 22(9): 3173-3179. Sept.1966. 382 T29
- 24357 MYTTENAERE, C., and MASSET, M. Distribution of strontium and calcium in *Pisum sativum* in connection with the strontium/calcium ratio of the nutrient solution. (Fr) *Ann. Physiol. Veg.* 7(2):97-104. Ref. 1965. 451 F8432
English summary.
- 24358 NOBEL, P. S., MURAKAMI, S., and TAKAMIYA, A. Localization of light-induced strontium accumulation in spinach chloroplasts. *Plant Cell Physiol.* 7(2):263-275. Ref. July 1966. 450 P699
- 24359 PARIBOK, V. P., KRUPNOVA, G. F., and KO-ROLEVA, I. Primary radiation-injuries of chromosomes, observed at different terms by soaking seeds of *Vicia faba* in water. (Rus) *Akad. Nauk SSSR, Dokl.* 169(4):955-957. 1966. 511 P444A
X-rays used.

- 24360 PARIBOK, V. P., and GENTER, E. I. Radioprotective action of inert gases and low-molecular narcotics. 5. Radioprotective effect of lower monoatomic alcohols in X-irradiation of bean sprouts. (Rus) Radiobiologiya 6(1):97-100. Ref. 1966. 442.8 R11
- 24361 POLLARD, C. J., STEMLER, A., and BLAYDES, D. F. Ribosomal ribonucleic acids of chloroplast and mitochondrial preparations. Plant Physiol. 41(8):1323-1329. Ref. Oct. 1966. 450 P692
- 24362 POTUCEK, O. Defect of the energy of germination in tomatoes (*Lycopersicon esculentum* Mill.); preliminary communication. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):215-220. July 1966. QH431.A1S25
- English summary.
- 24363 RAJIKI, E., and PAL, GY. Transplantation of a part of the berry fruit of *Solanum melongena* L. Acta Agron. [Budapest] 15(3/4):301-309. 1966. 19 Ac8
- White variety transplanted on a violet one; physiological and genetic effects.
- 24364 ROLLIN, P., and MAIGNAN, G. The necessity of phytochrome P₁ (=P₇₃₀) for the germination of the achenes of *Lactuca sativa* L. variety "Queen of May." (Fr) Acad. Sci. Compt. Rend. Ser. D. 265(10):756-759. Ref. Sept. 5, 1966. 505 P21
- 24365 ROSENBERG, N. J. Microclimate, air mixing and physiological regulation of transpiration as influenced by wind shelter in an irrigated bean field. Agr. Meteorol. 3(3/4):197-224. Ref. May 1966. 340.8 Ag8
- 24366 ROSENBERG, N. J. On the study of shelter effect with sheltered (screened) meteorological sensors. Agr. Meteorol. 3(3/4):167-177. Ref. May 1966. 340.8 Ag8
- Temperature and humidity in wind-sheltered and exposed plots of irrigated dry beans.
- 24367 SCHREIBER, K., and AURICH, O. Isolation of secondary alkaloids and β -hydroxy-salpafraga-16-en-20-one from *Lycopersicon pimpinellifolium* Mill. (Ge) Phytochemistry 5(4):707-712. Ref. July 1966. 450 P5622
- English summary.
- 24368 SHESTUNOV, I. I. The influence of spectrum composition of light on the development and growth of the eggplant of various origin. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoed. 1:73-76. Ref. Jan./Feb. 1966. 442.9 M854
- In relation to photoperiodism.
- 24369 SIDORSKII, A. G. Effect of preplanting irradiation of seeds on redox regime and biochemistry of leaves of greenhouse cucumbers in relation to sex differentiation of plants. (Rus) Radiobiologiya 5(4):584-588. Ref. 1965. 442.8 R11
- Gamma rays.
- 24370 SRB, V., and HORA, L. Germinating viability of seed of some varieties of *Allium cepa* L. irradiated with X-rays. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):161-168. Ref. July 1966. QH431.A1S25
- English summary.
- 24371 STANTON, W. R., and FRANCIS, B. J. Ecological significance of anthocyanins in the seed coats of the Phaeoleae. Nature [London] 211(5052):970-971. Ref. Aug. 27, 1966. 472 N21
- 24372 SUBRAMANIAM, M. K., and others. Mode of culture and growth of excised roots of *Phaseolus aureus* Roxb., in a synthetic medium. Cur. Sci. 35(16):406-407. Aug. 20, 1966. 475 Sci23
- S. Royan-Subramaniam, S. Subramanyam, and G. Meenakshi, joint authors.
- 24373 SUZUKI, Y. Possibility of pyridoxal phosphate as a coenzyme of pea amine oxidase. Naturwissenschaften 53(19):504. Oct. 1, 1966. 474 N213
- 24374 SWAIN, R. R. Studies on the origin and function of the cotyledonary amylase of *Pisum sativum*. Diss. Abstr., Sect. B, 27(2):392B. Aug. 1966. Z5055.U49D53
- 24375 TISHTEL, M., and MAZELIS, M. The accumulation of sugars in potato tubers at low temperature and some associated enzymatic activities. Phytochemistry 5(5):895-902. Ref. Sept. 1966. 450 P5622
- 24376 TOKARSKAYA, V. I. Deamination of adenine in DNA of seeds under the effect of fast neutrons. (Rus) Radiobiologiya 5(4):566-570. Ref. 1965. 442.8 R11
- Peas.
- 24377 TOKARSKAYA, V. I., and KUZIN, A. M. Effect of fast neutrons on DNA synthesis in sprouts. (Rus) Radiobiologiya 6(1):3-8. Ref. 1966. 442.8 R11
- Peas.
- 24378 TOMOVA, N., SECHENSKA, M., and DECHEV, G. Phenoloxidase activity of spinach chloroplasts. Bulg. Akad. Nauk. Dokl. 19(7):653-656. Ref. 1966. 512 So2
- 24379 UNGER, P. W. Internal water stress in bean plants. Diss. Abstr., Sect. B, 27(3):666B. Sept. 1966. Z5055.U49D53
- 24380 UZORIN, E. K., and TOKARSKAYA, V. I. Redistribution of free sugars in plants after gamma irradiation. (Rus) Radiobiologiya 6(2):292-293. 1966. 442.8 R11
- Peas.
- 24381 VAMBUTAS, V. K. Studies on the mechanism of light dependent formation of ATP in spinach chloroplasts. Diss. Abstr., Sect. B, 27(3):735B. Sept. 1966. Z5055.U49D53
- 24382 VECHER, A. S., and YAKIMOVICH, N. A. Polyphenolic acids in potato tubers of some Belorussian varieties. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(6):421-423. Ref. June 1966. 511 M63D
- 24383 WAGGONER, P. E., and SIMMONDS, N. W. Stomata and transpiration of droopy potatoes. Plant Physiol. 41(8):1268-1271. Oct. 1966. 450 P692
- 24384 YOUNG, J. A., and PACKER, L. On the occurrence of a contractile protein in spinach chloroplasts. Biochim. Biophys. Acta 126(2):399-401. Ref. Oct. 10, 1966. 381 B522
- Physiology and Biochemistry of Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)
- 24385 AGURELL, S. L. Biogenetic interrelationships of ergot alkaloids. Diss. Abstr., Sect. B, 27(2):384B. Aug. 1966. Z5055.U49D53
- 24386 ARTHUR, H. R., and LOO, S. N. An examination of *Rauwolfia verticillata* of Hong Kong. II. Phytochemistry 5(5):977-983. Sept. 1966. 450 P5622
- 24387 BARTON, L. V. Viability of *Pyrethrum* [*Chrysanthemum cinerariaefolium*] seeds. Boyce Thompson Inst. Contrib. 23(7):267-268. July/Sept. 1966. 451 B69
- 24388 BECKETT, A. H., and others. The *Mitragyna* species of Asia. VI-VII. Oxindole alkaloids from the leaves of *Mitragyna speciosa* Korth. Plant Med. 14(3):266-288. Ref. Aug. 1966. 450 P697
- E. J. Sheppard, J. D. Phillipson, and C. M. Lee, joint authors.
- 24389 BENNETT, R. D., and HEFTMANN, E. Biosynthesis of pregnenolone from cholesterol in *Haplophragma heterophyllum*. Phytochemistry 5(4):747-754. Ref. July 1966. 450 P5622
- Studied with radioactive carbon.
- 24390 BHUTANI, S. P., CHIBBER, S. S., and SESHADRI, T. R. Chemical examination of the leaves of *Cassia javanica* Linn. Cur. Sci. 35(14):363-364. July 20, 1966. 475 Sci23
- 24391 BLORE, T. W. D. Further studies of water use by irrigated and unirrigated Arabica coffee in Kenya. J. Agr. Sci. [London] 67(2):145-154. Ref. Oct. 1966. 10 J822
- 24392 BOROSS, L., and PERENYI, T. Pigments in saprophytic cultivated ergot fungus (*Claviceps purpurea* Tul.). II. Chromatographic separation of the natural anthraquinones. (Ge) Planta Med. 14(2):232-238. May 1966. 450 P697
- 24393 BRACHO, R., and CROWLEY, K. J. The essential oils of some Venezuelan *Croton* species. Phytochemistry 5(5):921-926. Ref. Sept. 1966. 450 P5622

- 24394 CABANILLA, H. L., and KING, J. R. The extension of viability of cacao (*Theobroma cacao* L.) pollen by the freeze-drying method. *Trop. Agr. [St. Augustine]* 43(3):187-198. Ref. July 1966. 26 T754
- 24395 DAVILA ORTIZ, G., and CASTANEDA-AGUILLO, M. Biophysical/chemical study of latex from *Pileus mexicanus*. I. Peroxidase activity. (*Sp*) *Ciencia* 24(5/6):241-246. Ref. Jan. 1966. 475 C48
English summary.
- 24396 DEBRAY, M., PLAT, M., and LE MEN, J. Alkaloids of the African Menispermaceae *Epinetrum cordifolium* and *Epinetrum manganotii*: isolation of cycleanine, non-cycleanine and isochondrodendrine. (*Fr*) *Ann. Pharm. Franc.* 24 (7/8):551-558. Ref. July/Aug. 1966. 396.8 An7
- 24397 ELGHAMRY, M. I., and SHIHATA, I. M. Biological activity of phytoestrogens. III. Experimental studies on some biological properties of beta-sitosterol. *Planta Med.* 14(3):352-357. Aug. 1966. 450 P697
From *Glycyrrhiza glabra*; includes effects on dogs.
- 24398 ELGHAMRY, M. I., and ZAYED, S. M. A. D. On the estrogenic activity of sitosterols in rice husk. *Planta Med.* 14(2):217-221. Ref. May 1966. 450 P697
- 24399 FARKAS, L., NOGRADI, M., and STRELISKY, J. The synthesis of diglucitrin. (*Hu*) *Magyar Kem. Folyoirat* 72(11):485-486. Nov. 1966. 385 M272
English summary.
From *Digitalis purpurea*.
- 24400 FRENCEL, I. M. Alkaloids from *Isopyrum thalictroides*. I. Isolation and identification of magnoflorine from roots and rhizomes. (*Ge*) *Planta Med.* 14(2):204-208. Ref. May 1966. 450 P697
English summary.
- 24401 FRENYO, V., and MIHALYFI, J. P. How the changes in NPK content in plants reflect mineral nutrition among normal circumstances. *Acta Agron. [Budapest]* 15(1/2):31-36. 1966. 19 Ac8
Sinapis alba.
- 24402 FRIEDRICH, H., and HOHLE, J. Research on the polyphenols in the roots of *Rheum palmatum* L. (*Ge*) *Arch. Pharm.* 299(10):857-866. Oct. 1966. 396.8 Ar2A
- 24403 GRINEVICH, M. A., and VOROB'EV, P. P. Biological activities of ginseng cultivated roots depending on preservation method. (*Rus*) *AN SSSR. Dal'nevost. Fil. Sib. Otd. Soobshch.* 23: 25-27. 1964. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 15:39. Aug. 1965. Film S-202
- 24404 HANSEL, R., WEISS, D., and SCHMIDT, B. Fungistatically active *Piper methysicum* and its substances. (*Ge*) *Planta Med.* 14(1):1-9. Ref. Feb. 1966. 450 P697
English summary.
- 24405 HANSEL, R., SCHOPFLING, G., and RIMPLER, H. Note on the occurrence of anthranilic acid in *Serenoa repens*. (*Ge*) *Planta Med.* 14(3): 261-265. Aug. 1966. 450 P697
English summary.
- 24406 HEFENDEHL, F. W. Incorporation of mevalonic acid in the terpenes of *Mentha piperita* essential oil. (*Ge*) *Planta Med.* 14(1):66-71. Ref. Feb. 1966. 450 P697
- 24407 IRIKAWA, H., and others. Isolation of two new alkaloids from *Daphniphyllum macropodum* Miquel. *Tetrahedron Lett.* 44:5363-5368. Nov. 1966. 385 T29
H. Sakurai, N. Sakabe, and Y. Hirata, joint authors.
Codaphniphylline and neoyuzurimine.
- 24408 JYENGAR, M. A., PENDESE, G. S., and NARAYANA, N. Bioassay of *Cassia fistula* L. (*Aragvadh*). *Planta Med.* 14(3):289-301. Ref. Aug. 1966. 450 P697
Excerpt from thesis.
- 24409 JOLLY, S. S. Pharmacognostical aspect of the stem-bark of *Soyimida febrifuga* A. Juss. *Indian Forest.* 92(7):469-471. July 1966. 99.8 In2
- 24410 KARTNIG, T., GRAUNE, F. J., and HERBST, R. Contribution to the problem of saponin distribution in *Aesculus hippocastanum* during different germination and growth stages. 3. Formation of aescin in *Aesculus hippocastanum* and *Aesculus parviflora* after treatment with mevalonic lactone. (*Ge*) *Planta Med.* 14(2): 121-125. May 1966. 450 P697
- 24411 KIRSTEN, G., HARTMANN, T., and STEINER, M. Quantitative analysis of free amino acids from saprophytic cultures of *Claviceps purpurea*. (*Ge*) *Planta Med.* 14(3):241-246. Aug. 1966. 450 P697
English summary.
- 24412 KRAVCHENKO, YU. S., SVIDERSKAYA, Z. I., and PONOMAREV, E. D. New raw materials for extraction of the "Fresh aroma." (*Rus*) *Mash. - Zhir. Prom.* 9:39-40. Sept. 1966. 307.8 M37
From *Potierium polygamum* and *Sanguisorba*.
- 24413 LATHUILLIERE, P., and others. On the alkaloids of *Tabernaemontana pandacacqui* Poir. (*Apocynaceae*). (*Fr*) *Ann. Pharm. Franc.* 24 (7/8):547-549. July/Aug. 1966. 396.8 An7
L. Olivier, J. Levy, and J. Le Men, joint authors.
- 24414 LEETE, E., and WEMPLE, J. N. Biosynthesis of the Cinchona alkaloids: the incorporation of geraniol-3-¹⁴C into quinine. *Amer. Chem. Soc. J.* 88(20):4743-4744. Ref. Oct. 20, 1966. 381 Am33j
- 24415 MAKSIMOVA, R. A., BEKKER, Z. E., and BUSHINA, L. M. Use of method of combined fermentation for obtaining trichothecin. (*Rus*) *Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved.* 2:57-61. Mar./Apr. 1966. 442.9 M854
From *Trichothecium roseum*.
- 24416 MALDONADO, L. A., HERRAN, J., and ROMO, J. Taliscanin, a component of *Aristolochia taliscana*. (*Sp*) *Ciencia* 24(5/6):237-240. Jan. 1966. 475 C48
English summary.
- 24417 MATSUO, M., and YAMAZAKI, M. Biosynthesis of sinigrin. III. *Biochem. Biophys. Res. Commun.* 25(3):269-274. Nov. 11, 1966. 442.8 B5236
Armoracia lapathifolia.
- 24418 MCCARTHY, T. J., and PRICE, C. H. Acid metabolism in leaves of *Aloe* species. *Planta Med.* 14(2):200-203. May 1966. 450 P697
- 24419 MCCARTHY, T. J., and PRICE, C. H. Resinous constituents in some South African *Aloe* species. *Planta Med.* 14(2):146-150. Ref. May 1966. 450 P697
- 24420 MCCARTHY, T. J., VAN OUDTSHOORN, M. C. B. VAN R. The seasonal variation of aloin in leaf juice from *Aloe ferox* and *Aloe marlothii*. *Planta Med.* 14(1):62-65. Ref. Feb. 1966. 450 P697
- 24421 MCCLAUGHLIN, J. L. Identification and biosynthesis of certain alkaloids of *Lophophora williamsii* (Lem.) Coult. *Diss. Abstr.*, Sect. B, 27 (2):528B-529B. Aug. 1966. Z5055. U49D53
- 24422 MCMULLEN, A. I., and MCSWEENEY, G. P. The biosynthesis of rubber: incorporation of isopentenyl pyrophosphate into purified rubber particles by a soluble latex-serum enzyme. *Biochem. J.* 101(1):42-47. Ref. Oct. 1966. 382 B52
Hevea brasiliensis.
- 24423 MURAV'EV, I. A., and SOKOLOV, V. Present state and prospects of investigation and utilization of liquorice in the national economy of the U.S.S.R. (*Rus*) *Rastitel. Resursy* 1(2):177-185. Ref. 1965. 450 R18
Glycyrrhiza glabra and *G. uralensis*.
- 24424 NOVAK, I., and others. Investigating extracts of *Ruta graveolens*. III. (*Ge*) *Planta Med.* 14 (2):151-156. Ref. May 1966. 450 P697
G. Buzas, E. Minker, M. Koltai, and K. Szendrei, joint authors.
English summary.
- 24425 NOVAK, I., and others. Investigating hormones in *Ruta graveolens*. (*Ge*) *Planta Med.* 14(1):57-61. Feb. 1966. 450 P697
G. Buzas, E. Minker, M. Koltai, and K. Szendrei, joint authors.
English summary.

- 24426 OCKENDON, D. J., ALSTON, R. E., and NAI-FEH, K. The flavonoids of Psoralea (Leguminosae). *Phytochemistry* 5(4):601-608. July 1966. 450 P5622
- 24427 OGNYANOV, I., and others. Natural coumarin. I. Coumarin in *Heracleum verticillatum* Panc. and *Heracleum sibiricum* L. (Ge) *Planta Med.* 14(1):19-21. Feb. 1966. 450 P697
- G. Gentsheva, V. Georgiev, and P. Panov, joint authors.
English summary.
- 24428 ORTEGA D., M. L., and CASTILLO, L. M. DEL. Activity of mexicanin in the presence of high urea concentration. (Sp) *Ciencia* 24(5/6):247-251. Ref. Jan. 1966. 475 C48
- English summary.
In *Pileus mexicanus*.
- 24429 OUDTSHOORN, M. C. B. VAN R. VAN. The origin of Cape and Natal aloes. *Planta Med.* 14(1):72-75. Ref. Feb. 1966. 450 P697
- Testing of different spp. of Aloe to obtain aloin.
- 24430 PENTTILA, A., and SUNDMAN, J. On the natural occurrence of aspidinol in *Dryopteris* species. *Planta Med.* 14(2):157-161. Ref. May 1966. 450 P697
- 24431 PFEIFER, S. Paper and thin layer chromatography in the determination of alkaloids in the genus *Papaver*. (Ge) *J. Chromatography* 24(2):364-371. Ref. Oct. 1966. 475 3824
- 24432 RANGASWAMI, S., and IYER, V. S. Chemical examination of the leaves of *Gilircidia maculata* (H.B. and K.) Steud. *Cur. Sci.* 35(14):364-365. July 20, 1966. 475 Sc123
- 24433 RITCHIE, E. B., and STEELE, J. W. Investigation of the constituents of the bark of *Guarea rusebyi*. *Planta Med.* 14(3):247-260. Ref. Aug. 1966. 450 P697
- Alkaloids.
- 24434 SAMU-NEGUS, H. M. Mechanisms of foliar penetration, and translocation of mineral ions with special reference to coffee (*Coffea arabica* L.). *Diss. Abstr.*, Sect. B, 27(3):664B. Sept. 1966. Z5055.U49D53
- 24435 SANDERSON, G. W. On the reaction of amino-acids and tea quinones. *Cur. Sci.* 35(15):392. Ref. Aug. 5, 1966. 475 Sc123
- 24436 SCHMERSAHL, P. Coumarin derivatives in *Artemisia abrotanum* L. (Ge) *Planta Med.* 14(2):179-183. May 1966. 450 P697
- English summary.
- 24437 SCHNELLE, F. J., and SCHRATZ, E. Dissimilar occurrence of anthraquinones and rhamnitol in different *Rheum* varieties. (Ge) *Planta Med.* 14(2):194-199. May 1966. 450 P697
- English summary.
- 24438 SCHRATZ, E., REISCH, J., and QADRY, S. M. J. S. The composition of essential oils in the fruit and in living plants of *Coriandrum sativum* L.J. Study of the essential oils of the fruit. II. Identification and synthesis of tridecene-(2)-al-(1). (Ge) *Planta Med.* 14(3):310-336. Aug. 1966. 450 P697
- English summary.
- 24439 SCHREIBER, K., and RIPPERGER, H. J. Jurubine, a novel type of steroidal saponin with (25S)-3 beta-amino-5 alpha-furostane-22 alpha, 26-diol O(26)-beta-D-glucopyranoside structure from *Solanum paniculatum* L. *Tetrahedron Lett.* 48:5997-8002. Dec. 1966. 385 T29
- 24440 SCHULTE, K. E., RUCKER, G., and DRESSEN, F. P. Change of polyacetylenic compounds in *Chrysanthemum vulgare* during its vegetation period. (Ge) *Planta Med.* 14(2):162-170. Ref. May 1966. 450 P697
- English summary.
- 24441 SCHULTE, K. E., and others. Contribution to the biogenesis of 2,5-disubstituted thiophene from dehydromatricaria ester. (Ge) *Phytochemistry* 5(5):949-953. Sept. 1966. 450 P5622
- G. Rucker, W. Meinders, and W. Herrmann, joint authors.
English summary.
- 24442 SCHULZ-LANGNER, E. Quantitative determination of saponin using hemolysis as method; investigation of the nectar in *Aesculus hippocastanum*. (Ge) *Planta Med.* 14(1):49-56. Feb. 1966. 450 P697
- English summary.
- 24443 SHUKHOBODSKII, B. A. On the formation of gutta and localization of gutta receptacles in the young roots of *Eucynimus* L. (Rus) *Rastitel. Resursy* 1(2):256-266. 1965. 450 R18
- Eucynimus europaeus* and *E. hamiltonianus*.
- 24444 SILVA, F. Inheritance and changes of some properties in chemocultivars of *Digitalis lanata* Ehrh. (Ge) *Planta Med.* 14(3):302-309. Ref. Aug. 1966. 450 P697
- English summary.
Glycosides.
- 24445 EL SISSI, H. I., and ABD ALLA, M. F. Polyphenolics of the leaves of *Catha edulis*. I. *Planta Med.* 14(1):76-83. Ref. Feb. 1966. 450 P697
- 24446 EL SISSI, H. I., SALEH, N. A. M., and ABD EL WAHID, M. S. The tannins of *Rhus coriaria* and *Mangifera indica*. *Planta Med.* 14(2):222-231. Ref. May 1966. 450 P697
- 24447 TOMITA, M. Cepharamine: a new hasubanan alkaloid from *Stephania cepharantha*. *Tetrahedron Lett.* 50:6229-6232. Dec. 1966. 385 T29
- 24448 YOSIOKA, I., and others. Theasapogenol, A, the major sapogenol of the seeds saponin of *Thea sinensis* L. *Tetrahedron Lett.* 48:5979-5984. Dec. 1966. 385 T39
- T. Nishimura, A. Matsuda, and I. Kitagawa, joint authors.

Physiology and Biochemistry of Forest Trees

- 24449 AKHROMEIKO, A. I. Role of root excretions in woody plants nutrition. (Rus) *Agrokimiya* 10:82-92. Oct. 1965. 385 Ag89
- Forest trees.
- 24450 BECKING, J. H. Mycorrhiza of *Podocarpus* root nodules: physiology and morphology. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):295-302. Sept. 1966. 448.3 An75
- English summary.
- 24451 BERBEN, J. C. The effect of the size of seedlings of the Corsican pine on the mortality percentage in nurseries. (Fr) *Soc. Roy. Forest. Belg. Bull.* 73(8/9):349-362. Aug./Sept. 1966. 99.9 B83
- Pinus nigra* poiretiana.
- 24452 BHIMAYA, C. P., and KAUL, R. N. Levels of macro- and micro-elements in *Eucalyptus camaldulensis* Dehn. (E. rostrata Schlecht). *Nature [London]* 212(5059):319-320. Oct. 15, 1966. 472 N21
- 24453 BUCKINGHAM, F. M. The growth of loblolly pine (*Pinus taeda* L.) as influenced by soil moisture and other environmental factors. *Diss. Abstr.*, Sect. B, 27(4):1010B. Oct. 1966. Z5055.U49D53
- 24454 CHOI, J. Y. Polysaccharide synthesis from externally supplied carbohydrate in *Pinus nigra* pollen. (Ko) *Chunchon Nongkwa Taehak Yon'gu Nonmunjip. J.* 1:28-31. Ref. July 1965. S19.C5
- English summary.
- 24455 GATHY, P. The internal processes of a tree, their functioning and their physiology as applied in the silviculture. (Fr) *Soc. Roy. Forest. Belg. Bull.* 73(6,sup.):16-18. June 1966. 99.9 B83
- 24456 GORDON, J. C. Photosynthesis, respiration and growth of Scotch pine seedlings. *Diss. Abstr.*, Sect. B, 27(4):1011B. Oct. 1966. Z5055.U49D53
- 24457 GOVINDACHARI, T. R., PAI, B. R., and SUBRAMANIAM, P. S. Alkaloids of *Glycosmis pentaphylla* (Retz.) Correa. *Tetrahedron* 22(10):3245-3252. Ref. Oct. 1966. 382 T29
- 24458 HEIT, C. E. Propagation from seed. I. A germination test is the first key to success. *Amer. Nurseryman* 124(8):10-11, 98-99. Oct. 15, 1966. 80 Am371
- 24459 HOFFMANN, F., and FIEDLER, H. J. The nitrogen of young conifers. (Ge) *Biol. Rundsch.* 4(3):138-155. Ref. 1966. 442.8 B5272
- 24460 KAMIENSKA, A. The dynamics of gibberellin-like substances and growth inhibitors during the development of leaves of black poplar (*Populus nigra* L.). *Rocz. Nauk Roln.* 91-A-3:673-680. Ref. 1966. 20.5 R59

- 24461 KHUONG-HUU, F., and others. Steroid alkaloids, LII. (Fr) *Tetrahedron* 22(10):3321-3327. Oct.1966. 382 T29
D. Herlem-Gaulier, Q. Khuong-Huu, E. Stanislas, and R. Goutarel, joint authors.
English summary.
From *Buxus balearica* leaves.
- 24462 LINNELL, W. S. Determination of the structure of the black spruce [*Picea mariana*] glucomannan from the triacetate and hydrodynamic properties of its triacetate derivative. *Diss. Abstr.*, Sect. B, 27(2):436B-437B. Aug.1966. Z5055.U49D53
- 24463 NEUWIRTH, G. Assimilation, respiration, and transpiration of differently fertilized young conifers in the course of spring shooting, subject to climatic factors. (Ge) *Arch. Forstwesen* 15(5/6):629-639. Ref. 1966. 99.8 Ar22
English summary.
- 24464 PIZELLE, G. Mineral nitrogen and *Alnus glutinosa* nodulation. II. Observations on the inhibitory activity of mineral nitrogen on nodulation. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):259-264. Ref. Sept.1966. 448.3 An75
English summary.
- 24465 TINUS, R. W. The role of oleoresin in the metabolism of *Pinus ponderosa* Laws. *Diss. Abstr.*, Sect. B, 27(3):735B. Sept.1966. Z5055.U49D53
- 24466 VALENZUELA, P., CORI, O., and YUDELEVICH, A. Occurrence of monoterpenes in *Pinus radiata* and utilization of labeled CO₂ and mevalonic acid. *Phytochemistry* 5(5):10052-1011. Ref. Sept.1966. 450 P5622
- 24467 VAN DER SCHANS, C. Cold acclimation of bark and roots of *Cornus stolonifera* and accompanying changes in the saturation of fatty acids. *Diss. Abstr.*, Sect. B, 27(4):1050B. Oct. 1966. Z5055.U49D53
- 24468 VYGODSKAYA, N. N. Solar radiation, and the thermal regime of trees. (Rus) *Akad. Nauk SSSR. Dokl.* 167(4):940-943. 1966. 511 P444A
- 24469 WARGO, P. M. Influence of fungal exudates on growth of excised roots of white oak [*Quercus alba*]. *Diss. Abstr.*, Sect. B, 27(4):1018B. Oct. 1966. Z5055.U49D53
- 24480 ROGERS, H. V. 1966 fall planting guide for South Carolina field crops. Clemson Univ. Ext. Inform. Card 91, rev., chart. Aug.1966. 275.29 So81
- 24481 SANDLUND, S. Crop culture. (Sw) *Goteborgs Bohus Lans Hushallningssallsk. Arsboek* 1966: 12-23. 11 G712A
- 24482 SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Northeast Research Farms, Garden City and Watertown, South Dakota; annual progress report. S. Dak. Agr. Exp. Sta. Agron. Pam. 81, 37 p. Dec.1965. 100 So82A
Agronomy.
- 24483 SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. South Central Research Farm, Presho, South Dakota; annual progress report. S. Dak. Agr. Exp. Sta. Agron. Pam. 80, 23 p. Dec.1965. 100 So82A
Agronomy.
- 24484 TOBEN, G. E., and others. Cropping systems—kind, intensity, and length. W. Va. Agr. Exp. Sta. Circ. 530, 31 p., map. June 1966. 100 W52
P. E. Nesselroad, J. L. Morris, and G. G. Pohlmam, joint authors.
- 24485 TSAREGRADSKAYA, A. K. Opyt sortouchastkov, kolkhozam i sovkhozam [Application of experiments gained by crop testing stations on collective and state farms]. *Arkhangel'sk, Severo-Zapadnoe Knizhnoe Izdatel'stvo*, 1965. 51 p. SB187.R9T75
- 24486 VIENNA. BUNDESANSTALT FUR PFLANZENBAU UND SAMENPRUFUNG. Zusammenfassung 1965 mehrjahriger Versuchsergebnisse von Getreide, Mais, Kartoffeln, Ruben, Luzerne, Rottklee [1965 summary report of results of longterm tests with wheat, corn, potatoes, beets, alfalfa and red clover]. Wien, 1966. 51 p. 64.9 V67Z
- 24487 YARMIZIN, D. V., LYSOGOROV, S. D., and BALAN, A. G. Meliorativnoe zemledelie [Meliorative agronomy]. Moskva, Kolos, 1966. 424 p. S605.I2

Cereals

AGRONOMY (FIELD CROPS)

- 24470 AGERBERG, L. S. Crop rotation problems in Scandinavian research work. (Sw) *Nord. Jordbrugsforsk.* 48(3):153-180. Ref. 1966. 11 N752
- 24471 BRADY, N. C. The future of crop and soil science. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:11-17. 1965, pub.1966. 56.9 So32
- 24472 CARMER, S. G. Use of electronic computers greatly expands agronomic research. *Ill. Res.* 8(4):6-7. Fall 1966. 100 IL64
- 24473 FROMAN, B. Crop culture and selection of varieties. (Sw) *Norrbottnens Lantmannabl.* 2: 25-27. Mar.1966. 11 N792
- 24474 GIDLEY, V. N. Why rotations? *Agr. Gaz. New S. Wales* 77(9):514-519. Sept.1966. 23 N472
- 24475 JENKINS, J. M. Rapid seeding. *Res. Farming* [N. C. Sta.] 24(4):11. Spring 1966. 100 N81R
- 24476 KAISERLAUTERN. LANDWIRTSCHAFTSKAMMER PFALZ. Versuchsbericht der Landbau-Abteilung [Report of the agriculture department on 1965 tests]. Mainz, 1966? 44 p., map. 64.9 K122
Field crops.
- 24477 MATLOCK, R. S. New crops for dry areas. *Crops Soils* 19(1):6-8. Oct.1966. 6 W55
Field crops, Oklahoma.
- 24478 MILLER, J. R., and others. Yield goals in crop production. Md. Univ. Ext. Fact Sheet 97, rev., 4 p. May 1966. 275.29 M36Fa
J. L. Newcomer, V. A. Bandel, and W. J. Moline, joint authors.
Field crops.
- 24479 RATTZEN, B. Report on field trials in Kristianstad Province in 1965. (Sw) *Kristianstads Lans Hushallningssallsk. Tidskr.* 1:1-45. May 1966. 11 K89
- 24488 ABRAHAM, L., and GINAL, I. Selection of wheat species on alkali soils. (Hu) *Magyar Mezogazdasag* 21(40):8-9. Oct.5,1966. 19 M27
Culture and liming.
- 24489 APLTAUEROVA, M. Study of the requirements for vernalization in varieties of the world varieties of winter barley. (Cz) *St. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 2(3): 189-195. July 1966. QH431.A1S25
English summary.
- 24490 ARCA, M. N. Yields obtained for hybrid corn with different planting densities and fertilizer doses in the Peruvian Coast Region. (Sp) *An. Cient.* 2(4):347-390. Oct./Dec.1964. 9.8 An1
English summary.
- 24491 BAKSHI, J. S., RACHIE, K. O., and SINGH, A. Development of dwarf strains of pearl millet and an assessment of their yield potential. *Cur. Sci.* 35(14):355-356. July 20, 1966. 475 Sci23
- 24492 BANNIKOV, G. L. Using materials of the world spring wheat collection for breeding purposes. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Alma-Ata] 9:25-30. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 16:6. Aug.1965. Film S-202
- 24493 BAROUX, J. Concerning the mycorrhiza of spring wheat. (Fr) *Inst. Pasteur. Ann.* 111(3, sup.):290-294. Ref. Sept.1966. 448.3 An75
- 24494 BENGTTSSON, A. Spring grain varieties. (Sw) *Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk.* 86:18-30, map. 1966. 11 Up62A
- 24495 BICKNELL, G. Yields vary—prices steady in '66 wheat harvest. *Yield* 2(4):4-5. July 1966. HD1491.A1V5
- 24496 BLYAKHEROVA, R. M., ZABAZNYI, P. A., and PRYATKOVA, M. G. Pshenitsa [Wheat]. Moskva, Kolos, 1966. 220 p. SB191.W5B55
Cultivated varieties of USSR.

- 24497 BOHAC, J., and HRASKA, S. Study of biotypes of the winter wheat variety Stepanja 135. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(2):93-102. Apr. 1966. QH431.A1S25 English summary.
- 24498 BOHAC, J., and HRASKA, S. Study of the effect of variety, planting density and environmental conditions of different years on the yield and its structure of wheat under high level of nutrition. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):177-188. Ref. July 1966. QH431.A1S25 English summary.
- 24499 BOHAC, J., and CERMIN, L. Study of some quantitative characteristics of varieties and hybrids of winter wheat. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(2):103-113. Ref. Apr. 1966. QH431.A1S25 English summary.
- 24500 BROWN, C. W. Wheat, the changing scene. Agr. Gaz. New S. Wales 77(5):278-282. May 1966. 23 N472 Varieties.
- 24501 BYKOV, N. I. Basis for the high yields. (Rus) Zemledelie 9:44-47. Sept. 1966. 20 Z44 Effect of the following on winter wheat yields.
- 24502 FEDIN, M., and MALINOVSKI, B. Principal trends and the first results in selection of wheat hybrids. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:64-68. 1966. 20 M57
- 24503 FELLEKE, A. A progress report on cereal and oil seed research, Branch Experiment Station, Debre Zeit, Ethiopia, 1955-1963. Imp. Ethiopian Coll. Agr. Mech. Arts. Exp. Sta. Bull. 39, 60 p. July 1965. 108 Et3 Chiefly varietal trials.
- 24504 FISHER, H. M. Cultivation—does haste mean waste? West. Australia. Dep. Agr. J. (ser.4) 7(5):190-191, 193-194. May 1966. 23 W52J Wheat.
- 24505 FOCKE, R. Experiments on breeding methods in corn. (Ge) Zuchter 36(3):107-111. Ref. 1966. 442.8 Z8 English summary.
- 24506 GREEN, V. E. Relation to kernel size to density and popping quality in popcorn. Zea mays L. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:295-300. 1965, pub. 1966. 56.9 So32
- 24507 HALLORAN, G. M. An expedition to Afghanistan for wheat collecting. Australian Inst. Agr. Sci. J. 32(2):114-117. June 1966. 23 Au74 Varieties for breeding in Australia and Great Britain.
- 24508 JOHNSON, M. W., and others. 1965 Pennsylvania corn performance studies. Penn. Agr. Exp. Sta. Progr. Rep. 268, 34 p. Aug. 1966. 100 P381P J. H. McGahan, W. F. Craig, and D. W. Sperling, joint authors. Hybrids, chiefly, in Pennsylvania.
- 24509 KUO, M. C. Lectures on wheat in teaching agricultural basic knowledge. (Ch) Shengwuxue Tombaio 1:53. Jan. 1966. 442.8 Sh4 Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 52:14. Mar. 11, 1966. (JPRS 34,508; TT 66-30948) 241.7 Un34C Issued by CFSTI.
- 24510 LANG, G. About bread-grain. (Hu) Magyar Mezőgazdaság 21(41):9-10. Oct. 12, 1966. 19 M27 Wheat culture.
- 24511 LE BLANC, D., and SPENCER, B. Some seed ready by 1970—hybrid wheat development should be ready in less than a decade. Yield 2(1):12. Aug. 1966. HD1491.A1Y5
- 24512 MALYSHEV, V. I., and KIROVA, S. M. Plowing in fall for spring wheat. (Rus) Zemledelie 9: 51-52. Sept. 1966. 20 Z44
- 24513 MCMULLAN, J. L., and PARISH, J. A. Barley variety trials, 1964. West. Australia. Dep. Agr. J. (ser.4) 6(10):605-608. Oct. 1965. 23 W52J
- 24514 MOWATT, P. J. A new role for Noyep barley. S. Australia J. Agr. 70(1):26-28. Aug. 1966. 23 So84
- 24515 PADMANABHAN, S. Y., GANGULY, D., and CHANDWANI, G. H. Helminthosporium disease of rice. VIII. Breeding resistant varieties: selection of resistant varieties of early duration from genetic stock. Indian Phytopathol. 19(1):72-75. Mar. 1966. 464.8 In2
- 24516 PERSSON, E. On rye in Central Swedish plant husbandry. (Sw) Sveriges Utsädesforen. Tidsskr. 76(4):227-230. 1966. 61.9 Sv23 English summary. Varieties and yields.
- 24517 PHILLIPS, S. H., and LOEFFEL, F. A. Growing corn in Kentucky. Ky. Univ. Ext. Circ. 558-A, 16 p. June 1966. 275.29 K415
- 24518 QUEENSLAND. DEPT. OF PRIMARY INDUSTRIES. AGRICULTURE BR. Grain sorghum varieties for Queensland. Queensland Agr. J. 92(8):472-474. Aug. 1966. 23 Q33
- 24519 QUEENSLAND. DEPT. OF PRIMARY INDUSTRIES. AGRICULTURE BR. Maize varieties for Queensland. Queensland Agr. J. 92(8):475-477. Aug. 1966. 23 Q33
- 24520 RAZEK, H. A. Prizes for Arab farmers. Agr. Israel 11(1):46-45. Oct. 1965. 22.5 Ag825 For wheat culture.
- 24521 RIMAN, L., RAKOCZI, L., and BARTOS, A. Study of the quality of grain of the world varieties of spring wheat in conditions of the corn growing regions. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):209-214. Ref. July 1966. QH431.A1S25 English summary. Breeding and properties.
- 24522 ROTHGEB, R. G., and NEWCOMER, J. L. Oat production in Maryland. Md. Univ. Ext. Fact Sheet 99, rev. 2 p. May 1966. 275.29 M36Fa Culture.
- 24523 SELENIUS, H. Variety trials with fall wheat at Aland 1956-64. (Sw) Tidsskr. Lantman. Andelsfolk 20:446-447. Oct. 30, 1965. 20 T43
- 24524 SHEBESKI, L. H. Quality and yield studies in hybrid wheat (*Triticum aestivum* L.). Can. J. Genet. Cytol. 8(3):375-386. Ref. Sept. 1966. 443.8 C16
- 24525 STOSKOPE, N. C., and REINBERGS, E. Breeding for yield in spring cereals. Can. J. Plant Sci. 46(5):513-519. Ref. Sept. 1966. 450 C16 Barley and oats.
- 24526 SUNDERMAN, D. W., and WISE, M. Lemhi 66, a rust resistant soft white spring wheat for irrigated areas of Idaho. Idaho. Agr. Exp. Sta. Bull. 471, 3 p. Sept. 1966. 100 Id4
- 24527 TILT, J. Barley production in Tasmania. Tasmanian J. Agr. 37(3):173-180. Aug. 1966. 23 T132T Culture.
- 24528 TRONICKOVA, E., and APLTAUEROVA, M. Male sterility and its role in the production of hybrid seeds. I. Grain. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):239-248. Ref. July 1966. QH431.A1S25
- 24529 UPCHURCH, W. Blueboy, new wheat variety. Res. Farming [N. C. Sta.] 24(4):6. Spring 1966. 100 N81R
- 24530 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing grain sorghum. U. S. D. A. Leaflet. 478, slightly rev., 8 p. Oct. 1966. 1 Ag84L
- 24531 VAN HAERINGEN, J., and VAN DER LIST, J. Effects of plant density on maize yield on the Atherton Tableland, Queensland. Queensland J. Agr. Anim. Sci. 22(4):497-501. Dec. 1965. 23 Q37
- 24532 VLACH, M., and BARES, I. Results of tests with the world varieties of spring wheat in Czechoslovakia. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):229-238. July 1966. QH431.A1S25 English summary.
- 24533 VOGEL, O. A., MORRISON, K. J., and PETERSON, C. J. Nugaines. Wash. Agr. Exp. Sta. Circ. 465, 3 p. Sept. 1966. 100 W27S U. S. Department of Agriculture, cooperating. Semidwarf variety of wheat.

- 24534 VOZDA, J. A contribution to the method of producing sterile analogues of self-pollinated corn lines. (Cz) Sb. UVTI (Ustav Vedecko-
tech. Inform.) Genet. Slechteni 2(2):115-124.
Apr. 1966. QH431.A1S25
English summary.
- 24535 WALKER, W. M., and MILLER, L. B. Effects of crop rotation and fertilization on yields. Ill. Res. 8(4):3-4. Fall 1966. 100 IL64
Corn and soybeans.
- 24536 WELLS, S. A., and MCBEAN, D. S. Salt barley. Can. J. Plant Sci. 46(5):569-570. Sept. 1966. 450 C16
Disease resistant variety.
- 24537 YORK, J. O. Two new grain sorghum hybrids for Arkansas. Ark. Farm Res. 15(5):3. Sept./Oct. 1966. 100 Ar42F
- Fiber Crops
- 24538 ALLISON, R. V. The present status of the Kenaf investigation program in the Western Hemisphere. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:365-371. 1965, pub. 1966. 56.9 So32
Includes discussion of the United States Department of Agriculture agronomic research program.
- 24539 DEMOL, J. Amelioration de la resistance de la fibre chez *Gossypium hirsutum* L. [Improvement of fiber resistance in *Gossypium hirsutum* L.]. Inst. Nat. Etude Agron. Congo. Publ. Ser. Sci. 108, 86 p. Ref., p.79-82. 1966. 24 In7
- 24540 ELLERN, S. J. Biennial (ratoon) cotton. Agr. Israel 10(11/12):66-65. Aug./Sept. 1965. 22.5 Ag825
Culture.
- 24541 HAND, L. F. Teamwork is key to agricultural meteorology service. Weatherwise 19(4):150-155. Aug. 1966. 340.8 W37
In relation to the planting, harvesting, and weed control of cotton, in Missouri.
- 24542 MILLER, P. A. Stronger cottons needed. Res. Farming [N. C. Sta.] 24(4):4. Spring 1966. 100 N81R
Breeding and genetics.
- 24543 POTYONDY, L. Harvesting of seed hemp. (Hu) Magyar Mezőgazdaság 21(43):22. Oct. 26, 1966. 49 M27
- 24544 STEPHENS, S. G. The traveling cotton seed. Res. Farming [N. C. Sta.] 24(4):5. Spring 1966. 100 N81R
- 24545 U. S. S. R. GOSUDARSTVENNAYA KOMISSIYA PO SORTOISPYTANIYU SEL'SKOKHOZ'YAI-STVENNYKH KUL'TUR. Sorta l'na-dolgutsa; rezul'taty gosudarstvennogo sortoispytaniya za 1960-1964 gg. [Fiber-flax varieties; results of the governmental investigation for 1960-1964]. Moskva, Kolos, 1966. 399 p. SB253.U5
- Forage Crops and Grasses
- 24546 ABREU Y PIDAL, J. M. DE. Some data on pastures of the southern France. (Sp) Montes 22(12):259-261. May/June 1966. 99.8 M763
Includes culture and fertilizers.
- 24547 ALDON, E. F. Deferred grazing and soil ripping improves forage on New Mexico's Rio Puerco drainage. N. Mex. Stockman 31(11):44, 46. Nov. 1936. 49 N462
Chiefly range management.
- 24548 BANYER, R. J. Paragosa, a superior medic for heavy black soils. S. Australia J. Agr. 70 (1):35-39, map. Aug. 1966. 23 So84
- 24549 BELLMANN, K. Food value of diploid and tetraploid red clover and some possibilities of improvement through breeding. (Ge) Züchter 36 (3):126-135. Ref. 1966. 442.8 Z8
English summary.
- 24550 BINGEFORS, S., and ESKILSSON, L. New varieties of red clover for Svealand. (Sw) Sveriges Utsädesfören. Tidskr. 76(4):238-261. Ref. 1966. 61.9 Sv23
English summary.
- 24551 BREUNIG, W. The effect of different harvesting periods on the yield of pastures. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):249-279. Ref. 1966. 509 B453
English summary.
Includes composition of grasses.
- 24552 CAMERON, B. Pastures species and grazing. Wool Technol. Sheep Breeding 13(1):47-50. July 1966. 304.8 W888
Management in Australia.
- 24553 CAMERON, D. G., and MULLALY, J. D. New lucernes for Queensland. Queensland Agr. J. 92(9):553-555. Sept. 1966. 23 Q33
Varieties.
- 24554 DAVIDSON, D. E. Five pasture plants for Queensland. Queensland Agr. J. 92(8):460-466. Aug. 1966. 23 Q33
Includes grasses.
- 24555 EIFRIG, H. Laboratory method of investigation of Trifolium alexandrinum and Trifolium resupinatum varieties. (Ge) Saatgut-Wirtsch. 17(1):13-15. Jan. 1965. 61.8 S1
As forage plant.
- 24556 FINNER, M. F. Harvesting and handling low-moisture silage. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):377-378, 381. 1966. 290.9 Am32T
- 24557 FRAME, J., and ROBINSON, G. S. Agronomic studies on chou moellier (Brassica oleracea L.). II-III. New Zeal. J. Agr. Res. 9(3):704-725. Ref. Aug. 1966. 23 N4892
II, The effect of thinning on the composition of chou moellier; III, The effect of thinning on the digestibility and palatability of chou moellier; in feeding trials with sheep.
- 24558 GIBSON, P. B., and HOLLOWELL, E. A. White clover [Trifolium repens L.]. U. S. D. A. Agr. Handbook 314, 33 p. Ref., p.30-33. Aug. 1966. 1 Ag84Ah
Culture.
- 24559 GONZALEZ, G., JIMENO, L., and LOZANO, J. M. The effects of the association of barley and vetch on forage and grain yields. (Sp) An. Edafol. Agrobiol. 25(1/2):45-56. Ref. Jan./Feb. 1966. 506 Sp12
English summary.
- 24560 HAGERSTROM, R. C. Spring sown pastures in the lower South-East. S. Australia J. Agr. 70 (2):40-46. Sept. 1966. 23 So84
- 24561 HAGSAND, E. Engmo timothy—a novelty in Norrland. (Sw) Norrbottens Lantmannabl. 2: 27-29. Mar. 1966. 11 N792
- 24562 HALPERN, E. L. Lucerne growing in the Devonport district. Tasmanian J. Agr. 37(3):169-172. Aug. 1966. 23 T182T
- 24563 HAMILTON, R. I. Total and digestible dry matter, botanical composition, and lamb gains from three grass species grown alone or with alfalfa under pasture management. Diss. Abstr., Sect. B, 27(4):1014B. Oct. 1966. Z5055.U49D53
Bromegrass, timothy, and orchardgrass.
- 24564 HUMPHREYS, L. R. Pasture defoliation practice: a review. Australian Inst. Agr. Sci. J. 32 (2):93-105. Ref. June 1966. 23 Au74
Management methods.
- 24565 HUNDTTOFT, E. B., and WINKELBLECH, C. S. "Hay harvesting losses"—information assimilation and evaluation by the extension specialist. Amer. Soc. Agr. Eng. Pap. 502, 21 p. Ref. 1966. 290.9 Am32P
- 24566 HUNDTTOFT, E. B. Hay harvesting losses—information dissemination to county agents and farmers. Amer. Soc. Agr. Eng. Pap. 503, 8 p. 1966. 290.9 Am32P
- 24567 JAPEL, W. The culture of spring vetch (Vicia sativa). (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):303-310. Ref. 1966. 509 B453
English summary.

- 24568 KHAN, C. M. A. A note on the effect of site on success of reseedling in Thal, Pakistan J. Forest 16(3):274-277. July 1966. 99.8 P17 Range planting.
- 24569 KNESCH, H. Prerequisites of successful reseedling of grassland. (Ge) Mitt. Deut. Landwirt.-Ges. 81(39):1474-1476. Sept. 29, 1966. 18 N39
- 24570 KOVACS, G., and TOTH, MRS. S. Assured production of lucerne seed. (Hu) Magyar Mezőgazdaság 21(43):8. Oct. 26, 1966. 19 M27
- 24571 KOROHOBA, J., and MILCZAK, M. The influence of oats admixture to spring vetch upon the yields of both components. (Pol) Roczn. Nauk Roln. 91-A-3:553-569. Ref. 1966. 20.5 R59 English summary.
- 24572 KRETSCHMER, A. E. Stylosanthes humilis, a summer-growing, self-regenerating annual legume for use in Florida permanent pastures. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:248-262. Ref. 1965, pub. 1966. 56.9 S032
- 24573 KURBANOV, YU. Some growth peculiarities and development of winter rye grown on boggy soils in Tashkent Region. (Rus) Uzbekistan Akad. Nauk. Dokl. 3:51-52. 1966. 511 Uz1 As forage culture.
- 24574 LEWIS, J. The relationship between seed yield and associated characters in meadow fescue (*Festuca pratensis*). J. Agr. Sci. [London] 67 (2):243-248. Ref. Oct. 1966. 10 J822
- 24575 LOUW, A. J. Reclaim the veld in Northern Transvaal. Farming S. Afr. 42(7):49, 51-53, 55. Oct. 1966. 24 S0842
- 24576 MACWILLIAM, H. R. New varieties that produce high quality forage—and a lot of it. Agr. way Coop. 2(12):14-15. Dec. 1966. 280.25 Ag9
- 24577 MALIK, M. N., and KHAN, A. A. Development of range lands in West Pakistan; physicochemical characteristics of soil and nutritive value of forage grasses of Cholistan. Pakistan J. Forest 16(3):261-273. July 1966. 99.8 P17
- 24578 MASLINKOV, M., and KOICHEV, T. Investigation on the botanical composition of grass mixtures related to Smolyan area. (Bu) Zhivotnovodni Nauk. 2(5):795-803. Ref. 1965. 49 Z65 German summary. Culture and yield.
- 24579 MCCLAIN, E. F. Performance of sudangrass, sudangrass-sorghum, and pearl millet varieties and hybrids under clipping conditions at Clemson. S. C., 1960-64. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 51, 4 p. Mar. 1965. 56.9 S084
- 24580 MCLEAN, I. Role of improved pastures in the New England: costs and risk involved. Valuer 19(4):339-341, 350. Oct. 1966. 282.8 V24 Australia; chiefly pasture improvement methods.
- 24581 MCMASTER, G. S., and WALKER, M. H. The distribution of subterranean clover [*Trifolium subterraneum*] in New South Wales. Agr. Gaz. New S. Wales 77(7):428-434, map. July 1966. 23 N472
- 24582 MOLINE, W. J., and DECKER, A. M. How to select the right grass and legume for your forage program. Md. Univ. Ext. Fact Sheet 103, rev., 4 p. May 1966. 275.29 M36Fa
- 24583 MUNTZING, A. Apomixis and sexuality in new material of *Poa alpina* from middle Sweden. Hereditas 54(3):314-337. Ref. 1966. 442.8 H42 Breeding.
- 24584 NORDEN, A. J., and MARSHALL, S. P. Effect of three crops vs two crops annually on forage production and soil nutrient level. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:276-283. 1965, pub. 1966. 56.9 S032 Spring corn, summer sorghum and fall oats.
- 24585 NOWICKI, A. A comparison of the effectiveness of cultivation of various forage crops as confronted with the national requirements for protein feeds. (Pol) Roczn. Nauk Roln. 91-A-3:593-607. Ref. 1966. 20.5 R59 English summary.
- 24586 ORUDZHEV, A. K., and MAMADOV, A. I. Sainfoin—a valuable forage plant. (Rus) Zemledelie 9:63-64. Sept. 1966. 20 Z44
- 24587 OWEN, M. A., and BRZOSTOWSKI, H. W. A grass cover for the upland soils of the Kongwa Plain, Tanganyika. Trop. Agr. [St. Augustine] 43(4):303-314. Ref. Oct. 1966. 26 T754 Pasture management.
- 24588 ROLDAN PARRODI, A. Improvement in the forage and forest production in France and Morocco. (Sp) Mex. Forest. 40(2):11-15. (Cont.) Mar./Apr. 1966. 99.8 M57 Pasture improvement and reforestation chiefly in Morocco.
- 24589 ROLDAN PARRODI, A. Improvement in the forage and forest production in France and Morocco. (Sp) Mex. Forest. 40(3):1-7. (Cont.) May/June 1966. 99.8 M57 Pasture improvement and reforestation chiefly in Morocco.
- 24590 SACHS, E. On the problem of seed rates in the seed producing enterprises. (Ge) Saatgut-Wirtsch. 18(7):238-240. July 1966. 61.8 S01 Forage plants; includes yields.
- 24591 SCHERY, R. W. Remarkable Kentucky bluegrass [*Poa pratensis*]. Weeds Trees Turf 5 (10):16-17. Oct. 1966. 79.8 W413 Culture.
- 24592 SHOULDER, J. F. Winter pastures with cover crops. Va. Polytech. Inst. Ext. Leaflet 135, rev., 2 p. Aug. 1966. 275.29 S81L
- 24593 STEEN, E. Utsadesmangdsforsk med diploid och tetraploid rodklover. Seed rate experiments with diploid and tetraploid red clover. Uppsala. Lantbrukshögsk. Medd. Ser. A, 55, 27 p. 1966. 11 Up62 English summary. Effects on yields.
- 24594 STEPANOVA, K. D. Luga poluoostrova Kamchatki [Meadows of the Kamchatka Peninsula]. Vladivostok, Dal'nevostochnoe Knizhnoe Izdatel'stvo, 1965. 91 p. Ref. SB199.57 Management.
- 24595 STEVENS, G., STEWART, L., and CASON, J. A comparison of forage handling systems; haylage, hay, corn silage. Md. Univ. Ext. Ext. Bull. 210, 8 p. May 1966. 275.29 M36B Harvesting and storage.
- 24596 TEUTEBERG, H. Grassland renewal without plowing up. (Ge) Mitt. Deut. Landwirt.-Ges. 81(39):1460, 1462. Sept. 29, 1966. 18 N39
- 24597 WARBOYS, I. B., and JOHNSON, R. J. Improvement of permanent pasture by overdrilling and oversowing. I. Pasture establishment by overdrilling. Exp. Agr. 2(4):309-316. Ref. Oct. 1966. 10 Ex72 Great Britain.
- 24599 WILLOUGHBY, W. M. Methods of determining optimum stocking rates. Wool Technol. Sheep Breeding 13(1):94-98. July 1966. 304.8 W888 Australia. Pasture management.
- 24599 WIREN, G. This year's meadow seed crop is quite normal. (Sw) Svensk Frotidn. 35(9):138-139. Sept. 15, 1966. 61.8 Sv2
- 24600 ZALESKI, A. White clover investigations. III. Effect of irrigation on seed production. J. Agr. Sci. [London] 67(2):249-253. Oct. 1966. 10 J822
- 24601 ZIMMERMANN, H. The culture of hogweed (*Heracleum sosnowskyi*) as a forage plant. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):291-296. 1966. 509 E453 English summary.

Oil Crops

- 24602 AL KAMPER, J. Culture of oil radishes for seeds. (Ge) Saatgut-Wirtsch. 17(1):11. Jan. 1965. 61.8 S01
- 24603 ANDERSSON, G., and LOOF, B. New varieties of oil crops open greater possibilities for growing within northern Gotaland and Svealand. (Sw) Sveriges Utsadesforen. Tidskr. 76(4):231-237. 1966. 61.9 Sv23 English summary.

- 24604 MIKAILOV, M. The flower of sun. (Rus) Zakupki Sel'skokhoz. Prod. 10:13. Oct. 1966. 280.38 Z14
Historical account of the sunflowers.
- 24605 LOOF, B. Oil crop culture in northern Gotland and Svealand. (Sw) Svensk Frotidn. 35 (4):63-64,66-73. Apr. 15, 1966. 61.8 Sv2
- 24606 PAPATHANASIOU, G. A., and LESSMAN, K. J. Crambe [abyssinica]. Ind. Agr. Exp. Sta. Res. Bull. 819,8 p. June 1966. 100 In2P
Review of the literature.
U. S. Department of Agriculture, cooperating.

Sugar Crops

- 24607 BABU, C. N., and others. A plan for the Punjab sugarcane farmer. Indian Sugar [Calcutta] 16(2):193-194. May 1966. 65.8 In26
S. S. Singh, O. P. Singh, and S. J. Singh, joint authors.
Chiefly culture.
- 24608 CHUNOSOVA, V. N. Planting density of the sugar beets on irrigated soils. (Rus) Sakharn. Svekla 10:24. Oct. 1966. 66.8 Su373
- 24609 IONEXCU-SISESTI, V., and others. Comparative tests with new sugar beet varieties under irrigation conditions. (Rum) Probl. Agr. [Bucharest] 17(5):51-61. May 1966. 21 R862
G. Jovmir, A. Bagireanu, O. Nica, and E. Pop, joint authors.
English summary.
- 24610 KAR, K. Agrobiological research in sugarcane and its application in Uttar Pradesh. Indian Sugar [Calcutta] 16(2):173-176. May 1966. 65.8 In26
Chiefly culture; includes acreage statistics.
- 24611 RAO, J. T., and others. The genetic approach to selection of promising sugarcane varieties. Indian Sugar [Calcutta] 16(2):167-171. May 1966. 65.8 In26
U. Vijayalakshmi, B. V. Natarajan, and T. N. Krishnamurthy, joint authors.
- 24612 STRICKER, H. W. Influence of different seed spacings of monogerm seed on plant number, gap distribution, and expenditure of work during singling of sugar beets. (Ge) Zucker 19 (7):171-174. Apr. 1, 1966. 65.8 Z82
English summary.
- 24613 TRIBUG, A. A. Alfalfa in the sugar beet crop rotation. (Rus) Sakharn. Svekla 10:22-23. Oct. 1966. 66.8 Su393
- 24614 ZYBIN, YA. M. Crop rotations in growing sugar beets in the Altai Territory. (Rus) Sakharn. Svekla 10:25-27. Oct. 1966. 66.8 Su393

Tobacco

- 24615 CRUZ, R. B. DE LA, and others. The effects of different methods of harvesting on the yield and quality of filler tobacco. Philippine Tobacco Rev. 3(1):14-16. Jan./Apr. 1966. 286.89 P53
J. D. Beltran, P. B. Lagoyo, and E. A. Hurtado, joint authors.
- 24616 LAFORTEZA, A., BELTRAN, A. G., and HURTADO, E. A. A study of the different cigar-filler tobacco varieties for "batek" production. Philippine Tobacco Rev. 3(1):12-13. Jan./Apr. 1966. 286.89 P53
Includes yields.
- 24617 MILKOVSKI, I., and KONISHEV, P. 40th anniversary of Tobacco Institut [Institut po Paruka] in Chirpan. (Bu) Selskostopanska Nauk. 5(2): 103-109. 1966. 21 Se492
Culture and breeding.

HORTICULTURAL CROPS

- 24618 ATKINSON, J. D. Impressions of a visit to North American research organizations. Orchardist New Zealand. 39(9):317,319,321. Oct. 1966. 80 Or19

- 24619 BOHMIG, F. Rat fur jeden Gartentag; ein praktisches Handbuch fur den Gartenfreund [Advice for every day in the garden; a practical handbook for the gardener]. Ed. 2. Radebeul, Neumann, 1965. 538 p. SB455.B6
- 24620 GABRIELSEN, E. What is esthetic horticulture? (No) Gartneryrket 54(45):1191-1192. Nov. 6, 1964. 80 G1938
- 24621 GOLDMAN, M. C. Can new varieties wake up your garden? Org. Gard. Farming 14(1):33-37. Jan. 1967. 57.8 Or32
Vegetables, fruit and ornamentals.
- 24622 KARLSSON, P. Horticulture. (Sw) Goteborgs Bohus Lans Hushallningssallsk. Arsbok 1966: 68-71. 11 G712A
- 24623 PENINSULA HORTICULTURAL SOCIETY. Seventy-ninth transactions held at Salisbury, Maryland, December 14 and 15, 1965. Del. Board Agr. Bull. 55(5), 82 p. Ref. 1965. 2 D37B

Fruit - General

- 24624 ACTIVITY of cantonal stations for fruit culture. (Ge) Obstundschau 25(1), 4 p. Jan. 29, 1965. 80 Ob74
Text also in French.
Courses for the fruit culture specialists.
- 24625 CHLEBK, S. Uclime sa pestoval ovocno stromy [Fruit culture]. Ed. 2, rev. Bratislava, Slovenske Pedagogicke Nakladatelstvo, 1966. 208 p. Sb357.C4
- 24626 CORNELL UNIVERSITY. STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. 1966 tree-fruit production recommendations, by K. D. Hickey, M. B. Hoffman, G. H. Oberly, and J. L. Brann. Rev. Ithaca, New York, 1966. 44 p. 423.9 C81S
- 24627 FREDERIX, H. German fruit growing aimed at self-supply. (Du) Groenten Fruit 22(9):348-349. Sept. 7, 1966. 80 G89
- 24628 FRUIT culture on the German shores of the Lake of Constance. (Ge) Obstundschau 25 (7), 4 p. July 30, 1966. 80 Ob72
Text also in French.
Includes grafting and nurseries.
- 24629 MELVILLE, F. Stoneville Horticultural Research Station—ten years of progress. West. Australia. Dep. Agr. J. (ser. 47)(6):238-240. 242-245. June 1966. 23 W52J
Tree fruit station.
- 24630 A PRIMER on fruit and vegetable production; FAO plan developed for west Africa. World Farming 8(9):30-32, 40, 42, 44, 58. (Cont.) Sept. 1966. 30.08 W89
Yields and higher quality.
- 24631 RUMBEKE. WESTVLAAMSE PROEFSTUIN. Jaarverslag [Annual report of the West Flemish Experimental Garden], 1965. Brugge, 1966. 84 p. 93.25 R86
Fruit culture.
- 24632 SADOVODSTVO Irkutskoi Oblasti [Fruit culture in Irkutsk Region]. Irkutsk, Vostochno-Sibirskoe Knizhnoe Izdatel'stvo, 1965. 197 p. SB357.S2
Includes berries.
- 24633 SZABO, D. Our fruit trees should be planted in the fall. (Hu) Kerteszet Szolesz. 15(20):14. Oct. 1966. 80 K474

Citrus and Subtropical Fruits

- 24634 BRAMMALL, C. C. D. Quest for a square pineapple. World Farming 8(9):28-29. Sept. 1966. 30.08 W89
Breeding, in Australia.
- 24635 CANN, H. J. The papaw [Carica papaya]. Agr. Gaz. New S. Wales 77(6):347-350. June 1966. 23 N472
Culture.
- 24636 DENYS, G., and RIVERA E., J. R. Banana culture in El Salvador. (Sp) Credito Rural (ser. 2) 151:3-5, 14. Jan. 1965. 284.28 C863

- 24637 GUZMAN BONILLA, J. Keys to distinguish the varieties of avocado. (Sp) *Agricultura* [Santo Domingo 434/435:7,10. July/Aug.1966. 8 R323]
- 24638 HODGSON, R. W. Citriculture in Libya. *Calif. Citrogr.* 51(10):429-430. (Concl.) Aug.1966. 80 C125
- 24639 HORD, H. H. V. The conversion of Standard Fruit Company banana plantations in Honduras from the Gros Michel to the Giant Cavendish variety. *Trop. Agr. [St. Augustine]* 43(4):269-275. Oct.1966. 26 T754
- 24640 KRUSSMANN, G. Kaki persimmon [*Diospyros kaki*]. (Ge) *Deut. Baumschule* 18(5):141-142. May 1, 1966. 80 D486
Culture and varieties.
- 24641 LEIGH, D. S., SPROULE, R. S., and NICHOLS, D. G. Good planting material produces good pineapples. *Agr. Gaz. New S. Wales* 77(7):422-423. July 1966. 23 N472
- 24642 MUNGOMERY, W. V. Citrus growing in Queensland. 2. Queensland Agr. J. 92(8):488-497. Aug.1966. 23 Q33
- 24643 PARIS, INSTITUT DES FRUITS ET AGRUMES TROPICAUX. Elementary principles of Poyo banana culture in Cameroun. (Fr) *Cameroun Agr. Past. Forest.* 97:27-48. Apr.1966. 24 C353
- 24644 PRIMO YUFERA, E., ROYO IRANZO, J., and SALA GOMIS, J. M. A new navel type suited to processing. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(4):495. Oct./Dec.1965. 389.8 R324
Orange.
- 24645 RACKHAM, R. L. Girdling mature navel orange trees. *Calif. Citrogr.* 51(10):398,408. Aug.1966. 80 C125
- 24646 TORRES M., R., and GIACOMETTI, D. C. Behavior of purple granadilla (*Passiflora edulis* var. *flavicarpa*, Deneger) under Cauca Valley conditions. (Sp) *Agr. Trop.* 22(5):247-254. May 1966. 26 Ag8
Breeding and culture.
- 24647 TREE, E. F. Pineapples in marginal central coast soils. *Queensland Agr. J.* 92(9):546-547. Sept.1966. 23 Q33
- 24648 WHITEHEAD, R. A. Some notes on dwarf coconut palms in Jamaica. *Trop. Agr. [St. Augustine]* 43(4):277-294. Ref. Oct.1966. 26 T754
- Deciduous Fruits
- 24649 BLAHA, J., LUZA, J., and KALASEK, J. Broskovne, merunky, mandlone [Peaches, apricots and almonds]. *Cesk. Akad. Ved. Sekce Biol.-Lek. Ovocnicka Edice* 14,449 p. Ref. 1966. 86 C332
Culture and varieties.
- 24650 BLASSE, W., and BRINGEZU, A. Production of the smallcrown cherries by hybridization. I. Nursery phase. (Ge) *Obstbau [Berlin]* 6(6):88-89. June 1966. 80 Ob79
- 24651 BOMEKE, H. Progress in chemical thinning. (Ge) *Obstbauversuchsanstalt Alten Landen. Mitt.* 21(4):129-138. Apr.1966. 85 J76
Application of carbaryl (Pantrin) to apples.
- 24652 DAVISON, R. M. Use of chemical thinning sprays on apple trees in New Zealand. V. Effect on biennial bearing. *New Zeal. J. Agr. Res.* 9(3):542-553. Aug.1966. 23 N4892
Control with DNO and NAA.
- 24653 FILLA, M. Organization of work in harvesting of winter apple. (Hu) *Kerteszet Szolesz.* 15 (18):8-9. Sept.1966. 80 K474
- 24654 FISHER, V. J. Size-reducing rootstocks for commercial apple production in Delaware. *Del. Board Agr. Bull.* 55(5):49-55. 1965. 2 D37B
- 24655 GANE, W. B. Yellow peaches best for northern tablelands. *Agr. Gaz. New S. Wales* 77(8):482-483. Aug.1966. 23 N472
Varieties.
- 24656 MURAWSKI, H. Contributions to research on apple breeding. IX. (Ge) *Zuchter* 36(3):111-119. 1966. 442.8 Z8
- 24657 POWELL, H. R. Some recent developments in the apple industry in Western Australia. *West. Australia. Dep. Agr. J. (ser.4)* 7(7):309-312, 315-316. July 1966. 23 W52J
Culture.
- 24658 PRESTON, A. P. Apple rootstock studies, fifteen years' results with Malling-Merton clones. *J. Hort. Sci.* 41(4):349-360. Ref. Oct. 1966. 80 J825
- 24659 RICHARDSON, B. D. Grafting apple trees in the nursery. *Tasmanian J. Agr.* 37(3):190-198. Aug.1966. 23 T182T
- 24660 ROACH, F. A. Apple production in British Columbia. 2. Great Brit. *Min. Agr. Fish. Food.* Agr. 73(10):490-492. Oct.1966. 10 G79J
Chiefly culture.
- 24661 SCHURICHT, R. Factors influencing harvesting date of sweet cherries. (Ge) *Obstbau [Berlin]* 6(6):89-91. June 1966. 80 Ob79
- 24662 SMIRNOV, V. F. Pyat'sot novykh sortov yablo i i grushi, vyvedennykh v SSSR [500 new varieties of apples and pears, selected in USSR]. *Moskva, Nauka*, 1966. 255 p. Ref. SB363.3.A186
- 24663 STEVENSON, D. R. G. Selecting stone fruit varieties for Murray River areas. *Agr. Gaz. New S. Wales* 77(6):357-361. June 1966. 23 N472
- 24664 THOMAS, L. A. Stock and scion studies. XIII. Some new clonal pear rootstocks. *Queensland J. Agr. Anim. Sci.* 22(4):419-421. Dec.1965. 23 Q37
- 24665 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Dwarf fruit trees; selection and care. U. S. D. A. Leaflet. 407, slightly rev., 8 p. Oct.1966. 1 Ag84L
Apples and pears.
- 24666 WOLFRAM, B. Breeding possibilities of a slow growing cherry rootstock. (Ge) *Obstbau [Berlin]* 6(6):86-88. Ref. June 1966. 80 Ob79
- Small Fruits
- 24667 ASSUNCAO, J. F. P. DA. Contribution to a better understanding of the "Cardinal" table grape. (Por) *Agricultura [Lisboa]* 25:28-31. Jan./Mar.1965. 15.5 Ag85
- 24668 CASSAT, P. Clone selection of *Vitis vinifera*, conducted at the Saint Emilion C.E.T.A. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(11):843-847. June 15/22, 1966. 14 P215Bc
- 24669 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10. TBILISSI, 1962. [Proceedings]. (Fr) *Office Int. Vigne Vin. Bull.* 39(427):1009-1034. (Cont.) Sept.1966. 390.8 B87
Hill culture of grapes: Rumanian report by Gh. Constantinescu, M. Motoc, L. Mihalache, and T. Stancu; Bulgarian report by K. Stoev, A. Biotchev, I. Magrisso, S. Nenov, P. Pachev, and P. Doudakov.
- 24670 COX, J. E., HOLBECHE, J. A., and AUSTEN, V. C. Imported strawberries tested by Department. *Agr. Gaz. New S. Wales* 77(8):475-479. Aug.1966. 23 N472
Varieties.
- 24671 ELEMA, R. K., and MEIJARD, D. Strawberry in hothouses; Glasa, Gorella, Vola. (Du) *Groenten Fruit* 22(9):351-353. Sept.7, 1966. 80 G89
- 24672 HUGHES, H. M. A note on strawberry runner size assessment. *Hort. Res.* 6(1):58-62. May 1966. 80 H7892
- 24673 LAKATOS, A. Large-scale cultivation of table grapes. (Hu) *Kerteszet Szolesz.* 15(18):5-7. Sept.1966. 80 K474
- 24674 LE ROUX, M. S. Salba, a new table-grape. *Farming S. Afr.* 42(7):14-15. Oct.1966. 24 S6842
- 24675 MICULKA, B. Results of tests with strawberry varieties. (Cz) *Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni* 2(2):137-150. Ref. Apr.1966. QH431.A1S25
English summary.

- 24676 SCHACHT, H. The frontier of wind and wine; the grapes for quality wine are possible because of the cooling wind. *Farm Quart.* 21(5): 62-65, 108-111. Fall 1966. 6 F22995
Grape culture in a California area with favorable temperatures.
- 24677 SCHROEDER, D. The best raspberries are the ones you grow. *Org. Gard. Farming* 14(1):53-55. Jan. 1967. 57.8 Or32
- 24678 SCHWARTZ, C. C., MYHRE, A., and DODGE, J. C. Blueberry propagation. *Wash. Agr. Exp. Sta. Circ.* 124, rev., 12 p. Sept. 1966. 100 W275
By cuttings.
- 24679 SHUKUROV, N. Osobennosti kul'tury vinograda na gruboskeletnykh pochvakh [Characteristics of viticulture on coarse-textured soils]. *Dushanbe, Irifon*, 1965. 49 p. SB398.T355
- 24680 TOTTH, D. Good quality propagation material is the basis of grape and fruit plantings. (Hu) *Kerteszet Szolesz*, 15(18):3-4. Sept. 1966. 80 K474
- Nuts
- 24681 AMADO CASTILLO, D. Importance of Macadamia culture. (Sp) *Credito Rural* (ser.2)152: 9-11. Feb. 1965. 284.28 C863
- Shade Trees and Ornamental Plants
- 24682 ALSEMGEEST, W. Grafting of Euphorbia. (Du) *Succulenta* 45(10):155-156. Oct. 1966. 450 Su12
- 24683 ANDERSON, R. H. Tree surgery. *Agr. Gaz. New S. Wales* 77(6):368-369. June 1966. 23 N472
Ornamental trees.
- 24684 BARABITS, E. New coniferous dwarfs from Hungary. (Ge) *Baumschule* 18(5):139-140. May 1, 1966. 80 D486
As ornamentals.
- 24685 BUNTING, G. S. Introduction of Dieffenbachia humilis Poepp. [Araceae]. *Baileya* 14(3):102-106. Sept. 1966. 80 B15
- 24686 COOKE, J. F., and LEE, R. E. Hybridization within and between Achenemes P. Br. and Smithiantha Kuntze [Gesneriaceae]. *Baileya* 14(3):92-101. Ref. Sept. 1966. 80 B15
- 24687 CREECH, J. L. Ornamental plant explorations—Japan, 1961. U. S. Agr. Res. Serv. *ARS-34-75*, 64 p., map. May 1966. A64.9 R31A
Longwood Gardens of the Longwood Foundation, Inc., Kennett Square, Pennsylvania, cooperating.
- 24688 DANIEL, W. H., and ROBERTS, E. C. Turf-grass management in the United States. *Advances Agron.* 18:259-326. 1966. 30 Ad9
Review of the literature.
- 24689 DESMIDT, M. What a Commercial Arborist expects of his Municipal Arborist. *Arborist's News* 31(12):89-93. Dec. 31, 1966. 99.8 Ar14
Shade tree culture.
- 24690 DEWERTH, A. F. Modern pruning methods. *Kans. State Univ. Ext. C-370*, 20 p. Aug. 1966. 275.29 K13Ex
Ornamental trees, shrubs, and roses.
- 24691 DURAN, V. G. A new variety of Viola adnata. *Leaf. West. Bot.* 10(16):319. Nov. 23, 1966. 450 L47
- 24692 EGOLF, D. R. Eight new Viburnum cultivars [Caprifoliaceae]. *Baileya* 14(3):107-122. Sept. 1966. 80 B15
- 24693 GRANT, R. G. Window boxes. *Agr. Gaz. New S. Wales* 77(9):576. Sept. 1966. 23 N472
- 24694 JOINER, J. N., and CONOVER, C. A. Characteristics affecting desirability of various media components for production of container-grown plants. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:320-329. Ref. 1965, pub. 1966. 56.9 So32
- 24695 JONES, P. Forest management in your own back yard. *Comm. Woodlands* 31(5):3-4. Sept./Oct. 1966. 99.8 C76
Shade trees.
Reprinted from Mark.
- 24696 KEEN, R. A., and QUINLAN, L. R. Lawns in Kansas. *Kans. Agr. Exp. Sta. Circ.* 327, rev., 31 p., map. Oct. 1966. 100 K13S
Care
- 24697 KNUTH, M. Breeding new Chrysanthemum indicum (L.) varieties. (Ge) *Arch. Gartenbau* 13(8):637-648. 1965. 80 Ar2
English summary.
- 24698 KRUK, C. What breeder can tell you about. III. Cut flowers. (Du) *Zaadbelangen* 20(5):92, 94-95. Mar. 15, 1966. 61.8 Z1
Culture.
- 24699 LLOYD, C. Clematis. London, Country Life, 1965. 112 p. SB413.C6L5
Culture and varieties.
- 24700 MCCLURE, E. B. Fall planting for spring beauty. *Mo. Bot. Gard. Bull.* 54(8):1-3. Oct. 1966. 451 M69B
Ornamental plants.
- 24701 MCDANIEL, J. C. A new-old Magnolia hybrid; a hybrid dating from the early nineteenth century has been re-created in a form that will survive Illinois winters. *Ill. Res.* 8(4):8-9. Fall 1966. 100 IL64
- 24702 OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Lawn and ornamentals research, 1966. Ohio. *Agr. Res. Develop. Center. Res. Sum.* 16, 54 p., map. Sept. 1966. 100 Oh3Rs
- 24703 POPE, T. E., and GRAY, P. Establishing and managing turf on Kentucky athletic fields, school grounds, and other recreational areas. *Ky. Univ. Ext. Circ.* 609, 12 p. Sept. 1966. 275.29 K415
- 24704 ROSSOUW, G. G. Important news: proteas can be grafted. *Farming S. Afr.* 42(6):53, 55. Sept. 1966. 24 So842
- 24705 ROTNEBERG, P. Hardy bush roses for farm plantings and gardens. (No) *Norsk Landbruk* 11:20-21. June 3, 1966. 11 N8122
- 24706 SCHONBERG, G. Effect of different rooting methods and planting dates on development of roots of ornamental cuttings with the special consideration of overhead mist spraying. (Ge) *Arch. Gartenbau* 13(8):669-684. Ref. 1965. 80 Ar2
English summary.
- 24707 SIMON, V. E. Put your roses all in clover; cover crops of clover and ryegrass give rosebed soil a lively boost both in the spring and in the fall—wider bigger and better roses as a result! *Org. Gard. Farming* 14(1):92. Jan. 1967. 57.8 Or32
- 24708 SKIEBE, K. The development of Begonia semperflorens-cultorum Krauss breeding in Germany. (Ge) *Zuchter* 36(4):168-171. Ref. 1966. 442.8 Z8
English summary.
- 24709 STEFFEN, L. Lily in pots. (Ge) *Saatgut-Wirtsch.* 18(3):81-82. Mar. 1966. 61.8 Sa1
- 24710 TAYAMA, H. K., and KIPLINGER, D. C. Essentials of pot Chrysanthemum culture. *Florists' Rev.* 139(3597):54, 75-79. Nov. 3, 1966. 80 W41
- 24711 TAYAMA, H. K., and KIPLINGER, D. C. Tips on growing bedding plants. II. Florists' Rev. 139(3604):17-18, 71-72. Dec. 22, 1966. 80 W41
- 24712 WASSCHER, J. The possibilities of quality improvement, the enlargement of the assortment and the spreading of the supply in floriculture. (Du) *Neth. Dir. Tuinbouw. Mededel.* 29(6):233-240. June 1966. 86 N364
English summary, p. 262.
- 24713 WOOD, D. Roof gardens. *Mich. Forest. Park Ass. Proc.*, 40th Annu. Conf.:63-67. 1966. 99.9 M586
- Vegetable and Truck Crops (Including Potatoes)
- 24714 ANGELI, L. Redpepper. (Hu) *Tud. Tanacsadoja*, p. 5-6. In *Kerteszet Szolesz*, 15(18), Sept. 1966. 80 K474
Seed production.
- 24715 ASZTALOS, GY. Heterotic tomato. (Hu) *Tud. Tanacsadoja*, p. 6. In *Kerteszet Szolesz*, 15(18), Sept. 1966. 80 K474
Hybrids.

- 24716 BACHMANN, E. Anniversary of the Seed-Producer-Society Schleswig-Holstein [Saatgut-Erzeuger-Gemeinschaft Schleswig-Holstein]. (Ge) Kartoffelbau 17(2):29-30. Feb.1966. 75.8 K145
25th anniversary of the Seed Potato Branch [Die Sparte Pflanzkartoffeln].
- 24717 BAKER, D. L. Money can grow in your garden. Org. Gard. Farming 14(1):98-100. Jan.1967. 57.8 Or32
Chiefly vegetable culture.
- 24719 BALAZS, S. Experiences of greenhouse cultivation of mushrooms. (Hu) Kerteszeti Szolész. 15(20):10. Oct.1966. 80 K474
- 24719 BALOGH, I. Horticultural planting seed production. (Hu) Tud. Tanácsadoja, p.1-3. In Kerteszeti Szolész. 15(18). Sept.1966. 80 K474
Vegetables.
- 24720 BÄNCK, M. Get to know the late fall mushrooms. (Sw) Gävleborgs Lans Hushållningssällsk. Lantbrukstidskr. 42(4):15-17. 1966. 11 G24L
- 24721 BLEASDALE, J. K. A., and THOMPSON, R. The effects of plant density and the pattern of plant arrangement on the yield of parsnips. J. Hort. Sci. 41(4):371-378. Oct.1966. 80 J825
- 24722 BOEKER, P. Potato culture in the Nilgiri Hills of southern India. (Ge) Kartoffelbau 17(2):54-56. Feb.1966. 75.8 K145
- 24723 BOND, D. A., FYFE, J. L., and TOYNBEE-CLARKE, G. Yields of mixtures of single-cross hybrid field beans (Vicia faba L.) with one of the parental inbred lines. J. Agr. Sci. [London] 67(2):235-237. Oct.1966. 10 J822
- 24724 BOTHA, J. P. What is watercress? Farming S. Afr. 42(5):24,49. Aug.1966. 24 So642
Culture in Great Britain.
- 24725 BROCK, R. D. Early maturing tomato mutants. Australian Inst. Agr. Sci. J. 32(2):136-137. June 1966. 23 Au74
Varieties.
- 24726 BRUCHER, H. A polyploid series of "Ruderal potatoes" (Solanum sect. Tuberosum) from the Argentinian Andes. (Ge) Züchter 36(4):189-195. Ref. 1966. 442.8 Z8
English summary.
- 24727 BRUDER, J. Onion. (Hu) Tud. Tanácsadoja, p.7-8. In Kerteszeti Szolész. 15(18). Sept. 1966. 80 K474
Seed production.
- 24728 CANNELL, G. H., HOLLAND, A. H., and ALJIBURY, F. K. Effects of fiber containers on vegetable plant growth in field and greenhouse. Calif. Agr. 20(9):7-9. Sept.1966. 100 C12Cag
Peat containers.
- 24729 COVINGTON, H. M. Centennial tests conducted. Res. Farming [N. C. Sta.] 24(4):14. Spring 1966. 100 N81R
Sweet potato variety.
- 24730 CSATARI-SZUTS, K. Peas and beans. (Hu) Tud. Tanácsadoja, p.4-5. In Kerteszeti Szolész. 15(18). Sept.1966. 80 K474
Seed production.
- 24731 DENMARK, STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Strain and variety trials with durable winter brussels sprouts, 1962-65. (Da) Tidsskr. Planteavl 70(3):407-410. 1966. 11 T439
- 24732 DENMARK, STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Strain and variety trials with overwintered oxeheart cabbage for cold frame and field. (Da) Tidsskr. Planteavl 70(3):411-414. 1966. 11 T439
- 24733 DENMARK, STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Variety trials with Spanish pepper in greenhouse. (Da) Tidsskr. Planteavl 70(3):421-424. 1966. 11 T439
- 24734 DENMARK, STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Various pricking and planting distances for celery. (Da) Tidsskr. Planteavl 70(3):401-402. 1966. 11 T439
- 24735 ESTRADA, B. A., PASCUA, H. R., and HURTADO, E. A. A test on the performance of mushroom spawns substrated on tobacco midribs. Philippine Tobacco Rev. 3(1):4-7. Jan./Apr. 1966. 286.89 P53
Utilization of tobacco waste.
- 24736 FIERLINGER, P., and VLK, J. On the possibilities of utilizing mutation processes in the breeding of leguminous plants. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform. Genet. Slechteni 2(2):87-92. Apr.1966. QH431.A1S25
English summary.
- 24737 FLONES, M. Asparagus. (No) Norsk Hagetid. 82(11):231-233. Nov.1966. 80 N81
Culture.
- 24738 FLONES, M. Beets. (No) Norsk Hagetid. 82(11):233-234. Nov.1966. 80 N81
Culture.
- 24739 FLONES, M. Carrots. (No) Norsk Hagetid. 82(11):237-238. Nov.1966. 80 N81
Culture.
- 24740 FLONES, M. Garden onions. (No) Norsk Hagetid. 82(11):234-236. Nov.1966. 80 N81
Culture.
- 24741 FLONES, M. Shallots. (No) Norsk Hagetid. 82(11):236-237. Nov.1966. 80 N81
Culture.
- 24742 FRITSCH, G. Historical development of the mushroom breeding. (Ge) Champignon 6(56):8-15. Ref. Apr.1966. 80 C352
- 24743 GALLE, C. E., and others. List of recommended vegetable cultivars for 1966. Farming S. Afr. 42(5):21-23. Aug.1966. 23 So842
J. A. Van Blommestein, P. Allan, L. Alleman, I. M. Olivier, and J. E. Tillema, joint authors.
Varieties.
- 24744 GIMES, A. Defoliation of potato and seed lucerne. (Hu) Magyar Mezőgazdaság 21(36):13-14. Sept.7,1966. 19 M27
With reglone.
- 24745 GROSZMANN, H. M., and GALLAGHER, E. C. Bush navy beans for direct heading. Queensland Agr. J. 92(9):516-520. Sept.1966. 23 Q33
Breeding program, including varieties.
- 24746 GROWING tomatoes for machine harvesting. IV. Harvest timing and management. World Farming 8(11):12-14,16,25. Nov.1966. 30.08 W89
- 24747 GUSTAVSSON, N. The consumer needs more information on potato varieties. (Sw) Jord Skog 17(7):20-22. 1965. 56.8 M373
Culture and quality.
- 24748 GUZMAN, V. L. Performance trials with sweet corn hybrids. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-1,6 p. Aug.1966. 100 F663
Includes varieties.
Not available free from issuing agency. Photocopies may be ordered from the Library.
- 24749 HAWK, R. L. "Decoreddible" borders; dress up the vegetable garden. Org. Gard. Farming 14(1):50-52. Jan.1967. 57.8 Or32
- 24750 HAYSLIP, N. C. Summary of tomato variety trials. Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Rep. IRL 67-1,4 p. Sept.7,1966. 100 F664
Not available free from issuing agency. Photocopies may be ordered from the Library.
- 24751 HYDROPONICS: soilless cultivation of vegetables. Int. Fruit World 3:207-208. 1966. 286.83 F9426
Text also in French and German.
- 24752 JANSSEN, G. Cucumber culture under glass. (Du) Groenten Fruit 22(19):772-773. Nov.16, 1966. 80 G89
- 24753 JANSSEN, G. With white plastic more not-house tomatoes earlier in the season. (Du) Groenten Fruit 22(14):559,561. Oct.12,1966. 80 G89
- 24754 JOUBERT, T. G. LA G. A new tomato cultivar: Rodeplaat Premier. Farming S. Afr. 42(5):6-7. Aug.1966. 24 So842
- 24755 JOUBERT, T. G. LA G. Ready early—excellent yield, that is the Cumulus, the new cauliflower cultivar at Rodeplaat. Farming S. Afr. 42(7):12-13. Oct.1966. 24 So842
- 24756 KAMP, T. C. VAN DER. Zaitijdenproeven bij enige tuinboonrassen [Planting date trials with some broadbean varieties]. Wageningen. Proefsta. Akker-Weidebouw. Meded. 124,26 p. Sept.1966. 64.9 W122
- 24757 KRILL, J. Potatoes—a few do's and don'ts. Org. Gard. Farming 14(1):102-103. Jan.1967. 57.8 Or32
Culture.

- 24758 KVASNICKA, S., and MORAVEC, J. Ratio between the height and economical properties of dwarf tomatoes with firm stalk. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):221-228. Ref. July 1966. QH431.A1S25
English summary.
- 24759 LEMKE, H. Schleswig-Holstein as breeding place and producer of seed potatoes. (Ge) Kartoffelbau 17(2):32-33. Feb. 1966. 75.8 K145
- 24760 LINDE, I. Breeding for resistance to bean anthracnose. (Se) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(1):13-15. 1966. 464.9 Sw3V
Caused by *Colletotrichum lindemuthianum*.
- 24761 LINDEMAN, J. Parsnips are perfect! Org. Gard. Farming 14(1):106-107. Jan. 1967. 57.8 Or32
- 24762 LOMBARD, C. J. Vegetables from Vaalharts. Farming S. Afr. 42(7):57,59. Oct. 1966. 24 So842
Culture.
- 24763 MCFERRAN, J., and GOODE, M. J. Pope: a tomato for pickling. Ark. Farm Res. 15(5):6. Sept./Oct. 1966. 100 Ar42F
Variety.
- 24764 MILLIER, W. F., and SOOTER, C. Improving emergence of pelleted vegetable seeds. Amer. Soc. Agr. Eng. Pap. 162,36 p. Ref. 1966. 290.9 Am32P
- 24765 MOLNAR, B. Melon. (Hu) Tud. Tanacsadoja, p.8-10. In Kerteszeti Szolesz. 15(18). Sept. 1966. 80 K474
Seed production.
- 24766 MYKLEBUST, E. Vegetables for the kitchen garden. (No) Norsk Hagetid. 82(11):228-231. Nov. 1966. 80 N81
- 24767 NAGY, MRS. P. B. Heterotic muskmelon. (Hu) Tud. Tanacsadoja, p.10-11. In Kerteszeti Szolesz. 15(18):10-11. Sept. 1966. 80 K474
Breeding.
- 24768 OUWERLING, H. With poor lettuce for the winter. (Du) Groenten Fruit 22(18):736. Nov. 9, 1966. 80 G89
Greenhouse culture.
- 24769 OZAKI, H. Y. Florida Agricultural Experiment Stations vegetable variety trials for 1964 and 1965. Fla. Agr. Exp. Sta. Circ. S-176, 58 p. July 1966. 100 F66Ci
- 24770 PATTON, I. E. Shallot-onion with a difference. Org. Gard. Farming 14(1):71. Jan. 1967. 57.8 Or32
Culture.
- 24771 POPOVA, D., and GEORGIEV, H. Remote hybridization in eggplants. Bulg. Akad. Nauk. Dokl. 19(7):645-648. Ref. 1966. 512 So2
- 24772 PRECZNER, G. Common white cabbage. (Hu) Tud. Tanacsadoja, p.12. In Kerteszeti Szolesz. 15(18). Sept. 1966. 80 K474
Seed production.
- 24773 PRITSCHAU, E. 25th anniversary of "Seed Potato Branch" ["Sparte Pflanzkartoffeln"] associated with the Seed-Producer-Society Schleswig-Holstein [Saatgut-Erzeuger-Gemeinschaft Schleswig-Holstein]. (Ge) Kartoffelbau 17(2):31-32. Feb. 1966. 75.8 K145
- 24774 RANGEL, C., and others. General recommendations on potato culture in the Department of Narino. (Sp) Agr. Trop. 22(5):230-238. May 1966. 26 Ag8
L. Heidrick, H. D. Thurston, N. Estrada, L. Lujan, and E. Perez, joint authors.
- 24775 ROD, J. Possibilities of correcting missing places in tests with root crops varieties. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(2):151-160. Ref. Apr. 1966. QH431.A1S25
English summary.
Effect of yields on harvesting in relation to planting density.
- 24776 ROGERS, I. S., and GURSANSKY, J. M. Tomatoes-outdoor and glasshouse. 3. S. Australia J. Agr. 70(1):18-23. Aug. 1966. 23 So84
Includes construction of glasshouses.
- 24777 ROGERS, I. S., and GURSANSKY, J. A. Tomatoes-outdoor and glasshouse. 4. S. Australia J. Agr. 70(2):60-67. Sept. 1966. 23 So84
- 24778 ROUX, A. Grouping and classifying pea varieties. (Ge) Saatgut-Wirtsch. 17(1):9-10. Jan. 1965. 61.8 Sa1
- 24779 SINISALO, J. Correct harvesting and storage of potatoes. (Sw) Tidskr. Lantman Andelsfolk 20:454-455. Oct. 30, 1965. 20 T43
Finland.
- 24780 SPENDER, B., and HARBIG, K. The first results of the study on growing cucumbers under glass on straw hills. (Ge) Deut. Gartenbau 13(2):37-39. Feb. 1966. 80 G1948
- 24781 SPRAVOCHNIK po ovoshchevodstvu zashchishchennogo grunta [Manual on the growing vegetables under glass]. Moskva, Moskovskii Rabochii, 1965. 243 p. Ref. SB352.865
- 24782 SVENSSON, B. Sattnol, bestand, avkastning; egenskaper och samband [Seed tubers, stand, yield; properties and relationships]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 94, 28 p. 1966. 11 Up62A
Potatoes.
- 24783 UFPELEN, J. A. M. VAN. Start of winter cucumbers. (Du) Groenten Fruit 22(14):563. Oct. 12, 1966. 80 G89
Greenhouse culture.
- 24784 ULYASHOVA, R. M. The specific composition of microflora of hydroponic and soil culture of tomatoes. (Rus) Mikrobiologiya 35(5):871-877. Ref. Sept./Oct. 1966. 448.3 M582
English summary.
- 24785 VARIS, E. How to improve quality of food potatoes. (Sw) Tidskr. Lantman Andelsfolk 20:452-453. Oct. 30, 1965. 20 T43
Potato culture in Finland.
- 24786 VIRANYI, S. Cucumber. (Hu) Tud. Tanacsadoja, p.8. In Kerteszeti Szolesz. 15(18). Sept. 1966. 80 K474
Seed production.
- 24787 VREKEN, W. Requirements to be considered by the breeder of vegetables. (Du) Zaadbelangen 20(5):91-92. Mar. 15, 1966. 61.8 Z1
- 24788 WARD, K. M. Vegetable sowing and planting table. Queensland Agr. J. 92(9):551-552. Sept. 1966. 23 Q33
- 24789 WASSERMANN, L. Growing mushrooms on compost prepared from manure. (Ge) Champignon 6(56):24-25. Apr. 1966. 80 C352
- 24790 WEI, L. S., STEINBERG, M. P., and NELSON, A. L. A new test for quickly determining the maturity and flavor of sweet corn. Ill. Res. 8(4):19. Fall 1966. 100 IL64
- 24791 WEICHOLD, R. Effect of planting density and inflorescence on yields of tomatoes grown in greenhouse. (Ge) Arch. Gartenbau 13(8):619-628. Ref. 1965. 80 Ar2
English summary.
- 24792 WEICHOLD, R. Growing mushrooms (Psalliota campestris (L.) Quel) in greenhouse. (Ge) Arch. Gartenbau 13(8):629-636. 1965. 80 Ar2
English summary.
- 24793 WINDEN, W. P. VAN. Lettuce culture. (Du) Groenten Fruit 22(9):347. Sept. 7, 1966. 80 G89
Greenhouse culture.
- 24794 WINDEN, W. P. VAN. Pilot your lettuce plants safely through the winter. (Du) Groenten Fruit 22(19):773. Nov. 16, 1966. 80 G89
Greenhouse culture.
- 24795 WIRSING, F. The significance of the size of seed tubers and their spacing in the planting of potatoes for seed. (Ge) Berlin. Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):223-230. Ref. 1966. 509 B453
English summary.
Effect on yields.
- 24796 ZADINA, J. Possibility of increasing resistance of early potato varieties to the potato blight (Phytophthora infestans) (Mont. de Bary) by breeding. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(2):125-136. Apr. 1966. QH431.A1S25
English summary.
- 24797 ZITZEWITZ, A. VON. Italy and its potato varieties. (Ge) Kartoffelbau 17(2):56-57. Feb. 1966. 75.8 K145

Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)

- 24798 DOROZHNIK, A. N., and PLYTNIKOVA, T. G. Effectiveness of the accelerated selection in growing corianders. (Rus) Masl.-Zh. Prom. 10:32-33. Oct. 1966. 307.8 M37
- 24799 FOSTER, F. G. The place of grass in plantation practice. Planters' Chron. 61(18):392-393, 401. Sept. 18, 1966. 22 P693
For tea and coffee cultivation.
- 24800 HANSSON, A. Honey plants: 20. Birdfoot deerwort [*Lotus corniculatus*]. (Sw) Bitidninggen 65(10):292-293, map. Oct. 1966. 424.8 B54
- 24801 HENSELS, L. Wild honey plants. (Du) Bijenteelt 2(9):115-116. Sept. 1966. SF521.B5
- 24802 HORDVIK, E. Here we go around a juniper bush. (Nor) Norsk Hageid. 82(11):239-240. Nov. 1966. 80 N81
Juniper in folklore and medicine.
- 24803 ILIEVA, S. State and results of research work on drug plants in Bulgaria. (Bu) Selskostopanska Nauk. 5(2):55-66. Ref. 1966. 21 Se492
Culture.
- 24804 LARCHER, J. First evaluation of four years of pepper culture research at the Boukoko Agronomical Research Centre (RCA) [Centre de Recherches Agronomiques de Boukoko]. (Fr) Agron. Trop. [Paris] 21(5):615-631, map. May 1966. 26 Ag86
English summary.
- 24805 MATEJ, J. Filed horsetail (*Equisetum arvense* L.). (Cz) Ziva 14(4):131. June 1966. 409.6 Z6
As drug plant.
- 24806 MRAZ, F., and MARTINEK, V. The effect of heterosis in poppy on the resistance of poppy heads to the *Helminthosporium papaveris* Henning. H. Ratio between the effect of heterosis on resistance and on yield. (Cz) Sb. UVITI (Ustav Vedeckotech. Inform.) Genet. Slechteni 2(3):169-176. July 1966. QH431.A1S25
English summary.
- 24807 NELSON, C. E., EARLY, R. E., and MORTENSEN, M. A. Effects of plant spacing, fertility, and irrigation on yields and quality of Yakima Cluster hops. Wash. Agr. Exp. Sta. Bull. 676, 11 p. Ref. Oct. 1966. 100 W27E
- 24808 PARIS, R., and HERISSET, A. Cultural experiments on purple Digitalis (*Digitalis purpurea* L.) and criteria of leaf activity. (Fr) Ann. Pharm. Franc. 24(7/8):507-514. Ref. July/Aug. 1966. 396.8 An7
- 24809 PELLET, M. Honey plants for idle areas. Amer. Bee J. 106(7):258, 264. (Cont.) July 1966. 424.8 Am3
- 24810 ROCOCHI, I. YA., and DEMENT'YEV, A. G. Problem of the mint raw materials. (Rus) Masl.-Zh. Prom. 10:30-31. Oct. 1966. 307.8 M37
Chiefly harvesting date.
- 24811 SEN, A. R., and BISWAS, A. K. Some techniques of experimentation with tea in north-east India. Exp. Agr. 2(2):89-100. Ref. Apr. 1966. 10 Ex72
Culture.
- 24812 SORIA V., J. Principal varieties of cacao grown in tropical America. (Sp) Turrialba 16(3):261-266. Ref. July/Sept. 1966. 8 T86
English summary.
- 24815 CASALICCHIO, G. Virus-like strips of some tree and shrub species. (It) Ital. Agr. 103(6):606-611. June 1966. 16 It1
- 24816 DENMARK, STATENS PLANTEPATOLOGISKE FORSOEG. Plant diseases and pests in Denmark, 1965. (Da) Tidsskr. Planteavl 70(3):285-332. 1966. 11 T439
English summary.
- 24817 DRIVENES, O. Control with import of plants and plant products is too weak. (No) Norsk Landbruk 11:18, 35. June 3, 1966. 11 N8122
Includes fruit and vegetables.
- 24818 KACSO, A. Value of yield that can be saved by field plant protection. (Hu) Magyar Mezőgazdaság 21(35):14-15. Aug. 31, 1966. 19 M27
Economic plants.
- 24819 KEGLEVIC, S. Annual report on the occurrence and movement of plant diseases and pests on territory of the FR Croatia during 1965. (Se) Biljna Zastita 10(1):9-25. Jan. 1966. 464.8 B49
Includes control.
- 24820 KEMISK VÆRCK KOGE. Vejledning i bekæmpelse af ukrudt, skadedyr og plantesygdomme indenfor landbrug og havebrug [Directions for the control of weeds, pests and plant diseases in agriculture and horticulture]. Kobenhavn, 1966. 158 p. 464.9 K31
- 24821 KITAEV, S., and NIKIFOROV, A. New biological preparations for protection of plants. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:72. 1966. 20 M57
From diseases and insect pests.
- 24822 NAGY, B. On the development and rentability of plant protection. (Hu) Moagvar Mezőgazdaság 21(41):13-14. Oct. 12, 1966. 19 M27
- 24823 SCHUMANN, K. Problems of the plant protection under conditions of continued intensification of agriculture in the German Democratic Republic. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst 19(6):149-154. Ref. 1965. 464.9 N11
English summary.
- 24824 SIMMONDS, J. H. Diseases of plants in Queensland. Queensland Natur. 18(1/2):5-8. June 1966. 410 Q3
- 24825 U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. Summary of activities, fiscal year, 1965. U. S. Agr. Res. Serv. ARS-82-2-7, 19 p. Feb. 1966. A464.479 R31

Diseases of Field CropsPLANT PATHOLOGY AND PROTECTION

- 24826 DUNLEAVY, J. M., CHAMBERLAIN, D. W., and ROSS, J. P. Soybean diseases. U. S. D. A. Agr. Handbook 302, 38 p. July 1966. 1 Ag84Ah
- 24827 FITZSIMMONS, R. W. Disease and frost damage in cereal crops, 1965-6. Agr. Gaz. New S. Wales 77(9):550-553. Sept. 1966. 23 N472
- 24828 JOJIC, D. Some pesticides for the protection of sugar beets. (Se) Biljna Zastita 10(2/3):55-57. Feb./Mar. 1966. 464.8 B49
Control of pests and diseases.
- 24829 MASURAT, G., and STEPHAN, S. The occurrence of the most important diseases and insect pests of field and horticultural crops in 1964 on territory of the German Democratic Republic. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst 19(6):154-177, map. 1965. 464.9 N11
- 24830 NILSSON, I. Diseases and pests of crops in Skane-Halland in 1964 and 1965. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(1):3-9. 1966. 464.9 Sw3V
Field crops.
- 24831 SYMPOSIA on diseases of maize, millet, paddy and their control held at Chandigarh on 1st and 2nd January 1966. Indian Phytopathol. 19(1):121-132. Mar. 1966. 464.8 In2
Abstract of papers.
- 24832 TODD, F. A., and NUSBAUM, C. J. Disease control: multi-purpose chemical treatment is aim of tobacco research program. Res. Farming [N. C. Sta.] 24(4):12-13. Spring 1966. 100 N81R
Use of mixture of dichloropropene, propargyl bromide, and chloropirrin.
- 24813 BOWEN, H. D. Electrostatic dusting; how are recent developments related to the future of electrostatic application of dusts and sprays? Agr. Chem. 21(11):24-25, 28. Nov. 1966. 381 Ag8
In plant protection.
- 24814 CAMPBAG, D. Forecasting and information on the occurrence of agricultural pests and diseases in Rumania; notes from a study journey. (Se) Biljna Zastita 10(2/3):65-68. Feb./Mar. 1966. 464.8 B49

- 24833 WARD, W. W., BERGLUND, J. V., and BORDEN, F. Y. Soil-site characteristics and occurrence of sugar maple canker in Pennsylvania. *Ecology* 47(4):541-548, map. Ref. Summer 1966. 410 Ec7
- 24834 YOKOYAMA, S., SAKAI, H., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VII. Control of plant diseases and injurious insects. 6 p. Transl. 16157
Translation from Kyushu Agricultural Research 27:36-37, July 1965.
- Diseases of Horticultural Crops
- 24835 ALEXANDER, P. M., and SMITH, F. H. Controlling turfgrass diseases. Clemson Univ. Ext. Lawngrass Circ. Suppl. 2, rev., 12 p.-folder. June 1966. 275.29 S066
- 24836 DISEASES of fruit for storage, their causes and prevention. (Ge) *Obstrundschau* 25(9), 4 p. Sept. 24, 1965. 80 Ob74
Text also in French.
Chiefly apples.
- 24837 FARMER, A. Stone fruit varieties imported through quarantine since 1957. *Orchardist New Zeal.* 39(9):349-352. Oct. 1966. 80 Or19
- 24838 FASSOLD, J. Protection advice in culture of ornamental plants. (Ge) *Landesverband Gartenbau Landwirt. Berlin Mitteilungsbl.* 17(2):17-21. Feb. 1966. 85 L233
For control of pests and diseases.
- 24839 HARRIS, E. D., and MCGLOHON, N. E. Pecan insects and diseases and their control. Ga. Univ. Ext. Bull. 644, rev., 19 p. Apr. 1966. 275.29 G29B
Chemical control.
- 24840 HEUBERGER, J. W., KELSEY, L. P., and CONNOR, S. R. Time-of-application studies in the apple spray program—disease control, 1965. Del. Board Agr. Bull. 55(5):63-69. 1965. 2 D37B
- 24841 JEFFERS, W. F. Prevention and control of strawberry diseases. Del. Board Agr. Bull. 55(5):47-48. 1965. 2 D37B
- 24842 KANTZES, J. G. The effect of trizone fumigation on yield of cantaloupes and tomatoes. Del. Board Agr. Bull. 55(5):27-31. 1965. 2 D37B
Preplanting use of a fumigant to control nematodes, soil-borne disease fungi, and weeds.
- 24843 KISS, A., and LAUBAL, L. New plant protection experiences in the apple gardens of state farms. (Hu) *Kerteszeti Szulesz.* 15(20):21. Oct. 1966. 80 K474
Disease and pest control.
- 24844 KOKOVIC, S. V. Forecasting service in the plant protection of the Krusevac district. (Se) *Biljna Zastita* 10(2/3):58-60. Feb./Mar. 1966. 464.8 B49
Forecasting of the fruit and grape pests and diseases.
- 24845 MCGLOHON, N. E., and HARRIS, E. D. Disease and insect control in home orchards. Ga. Univ. Ext. Circ. 522, rev., 8 p.-folder. May 1966. 275.29 G29C
Chemical control.
- 24846 MCGREW, J. R. Strawberry diseases. U. S. D. A. Farmers' Bull. 2140, rev., 28 p. July 1966. 1 Ag84F
Includes control.
- 24847 OERTEL, C. Hygiene of plants in a modern young greenhouse. (Ge) *Deut. Gartenbau* 13(2):48-50. Feb. 1966. 80 G148
Ornamental plants.
- 24848 PITCHER, R. S., WAY, D. W., and SAVORY, B. M. Specific replant diseases of apple and cherry and their control by soil fumigation. *J. Hort. Sci.* 41(4):379-396. Ref. Oct. 1966. 80 J825
- 24849 RIETH, G. Measures for the protection of potatoes in the Ems region. (Ge) *Kartoffelbau* 17(6):174-175. June 1966. 75.8 K145
Chiefly control of fungus diseases, nematodes and weeds.
- 24850 SPRITZPLAN Maag; *Gartenobst*; Beeren, 1966 [Spraying calendar Maag; garden fruit; berries 1966]. Dielsdorf, 1966. 8 p.-folder. 464.8 M114
Switzerland.
- 24851 SPRITZPLAN Maag; *Gemüsebau* 1965 [Spraying calendar Maag; vegetables 1965]. Dielsdorf, 1965. 8 p.-folder. 464.8 M115
Switzerland.
- Diseases of Forest Trees
- 24852 ALLEN, J. E. A forester views spraying. *Mich. Forest. Park Ass. Proc.*, 40th Annu. Conf.:46-49. 1966. 99.9 M586
Disease and pest control.
- 24853 GENTLE, S. W. Breakthrough in sick pine tree diagnosis by computers. *Forest Timber* 4(1):10-11. Aug. 1966. 99.8 F7634
- 24854 PAUCKE, H. The status of beech bark necrosis problem. (Ge) *Sozialistische Forstwirtschaft.* 16(6):179-181. Ref. June 1966. 99.8 W143
English summary, inside back cover.
Definite cause not established.
- Bacterial Diseases
- 24855 BEHKI, R. M., and HOCHSTER, R. M. Metabolism of amino acids in Agrobacterium tumefaciens. I. *Can. J. Biochem.* 44(11):1477-1491. Ref. Nov. 1966. 470 C16E
Causing plant tumors.
- 24856 DROOP, M. R., and ELSON, K. G. R. Are pelagic diatoms free from bacteria? *Nature [London]* 211(5053):1096-1097. Sept. 3, 1966. 472 N21
- 24857 GORLENKO, M. V. Contemporary state of taxonomy of phytopathogenic bacteria. (Rus) *Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved.* 2:3-7. Ref. Mar./Apr. 1966. 442.9 M854
- 24858 MAMKAEVA, K. A. Studies of lysis in cultures of *Chlorella vulgaris*. (Rus) *Mikrobiologiya* 35(5):853-859. Sept./Oct. 1966. 448.3 M582
English summary.
Caused by bacteria.
- 24859 NASUNO, S. Pectic enzymes of phytopathogenic bacteria. *Diss. Abstr.*, Sect. B, 27(3):686B. Sept. 1966. Z5055.U49D53
- 24860 REDDI, K. K. Ribonuclease induction in cells transformed by Agrobacterium tumefaciens. *Nat. Acad. Sci. Proc.* 56(4):1207-1214. Ref. Oct. 1966. 500 N21P
Observed in *Vinca rosea*.
- 24861 STARR, M. P., COSENS, G., and KNACKMUS, H. J. Formation of the blue pigment indigoidine by phytopathogenic Erwinia. *Appl. Microbiol.* 14(6):870-872. Ref. Nov. 1966. 448.3 Ap5
Erwinia chrysanthemi group.
- 24862 TSILOSANI, G. A. Effect of irradiation on biological properties of causal organism of bacterial canker [Xanthomonas gortencovianum] of tea bushes. (Rus) *Radiobiologiya* 6(2):323-325. 1966. 442.8 R11
- Bacterial Diseases - Field Crops
- 24863 CHALVIGNAC, M. A., and FALCOU, J. Seed bacterization and plant physiology. II. Inoculation of corn with *Pseudomonas fluorescens*. (Fr) *Inst. Pasteur. Ann.* 111(3, sup.):49-56. Sept. 1966. 448.3 An75
English summary.
- 24864 HAGBORG, W. A. F. A comparison of a dried crude filtrate containing antibiotic P-9, with a nickel-zinc mixture, and dichlorotetrafluoroacetone for cereal rust control. *Can. J. Plant Sci.* 46(5):537-543. Ref. Sept. 1966. 450 C16
Caused by *Streptomyces* in wheat.
- Bacterial Diseases - Horticultural Crops
- 24865 BASU, P. K. Conditions for symptomatological differentiation of bacterial canker, spot, and speck on tomato seedlings. *Can. J. Plant Sci.* 46(5):525-530. Ref. Sept. 1966. 450 C16
Caused by *Corynebacterium michiganense*, *Xanthomonas vesicatoria* and *Pseudomonas*.

- 24866 FENWICK, H. S., and OHMS, R. E. Potato ring rot, symptoms, cause and control. Idaho. Agr. Coll. Ext. Bull. 469, 5 p.-folder. Aug. 1966. 100 Id14
Caused by *Corynebacterium sepedonicum*.
- 24867 HAJDU, K. Fat spot of beans and production of beans. (Hu) Magyar Mezőgazdaság 21(44): 19. Nov.2,1966. 19 M27
Caused by *Xanthomonas phaseoli*, *X. phaseoli* var. *fuscans* and *Pseudomonas phaseolicola*.
- 24868 KREZEL, Z. Rhizosphere microorganisms as a factor influencing resistance of plants to infections. Acta Microbiol. Polon. 15(2):163-171. Ref. 1966. 443.3 Ac82
Tested with *Xanthomonas phaseoli* cause of vascular bacteriosis in beans.
- 24869 MALOY, O. C., and GOULD, C. J. Plant diseases: lilac blight. Wash. State Univ. Ext. E. M. 2673, 2 p. Aug.1966. 275.29 W27M1
Caused by *Pseudomonas syringae*.
- 24870 ROSSI, L. A. Marchitez bacteriana del clavel producida por *Pseudomonas caryophylli* (Burkholder) Starr & Burkholder [Bacterial wilt of carnations caused by *Pseudomonas caryophylli* (Burkholder) Starr & Burkholder]. Rev. Invest. Agropecuar. Ser. 5, Patol. Veg. 1(5):47-53. Ref. 1964. 464.8 R322
English summary.
- Fungus Diseases
- 24871 FISHBEIN, L., FAWKES, J., and JONES, P. Thin-layer chromatography of captan and captax. J. Chromatography 23(3):476-480. Ref. Aug.1966. 475 J824
- 24872 HOCKING, D. Susceptibility of some proprietary copper fungicides. Turrialba 16(3):297-300. July/Sept.1966. 8 T86
- 24873 HYLIN, J. W. Thin layer chromatography of dithiocarbamate fungicides. Bull. Environ. Contamination Toxicol. 1(2):76-77. Mar./Apr. 1966. RA1270.P35A1
On leaf surfaces.
- 24874 KOTAKEMORI, M., and OKADA, K. Thin-layer chromatography of some substituted naphthoquinones. Agr. Biol. Chem. 30(9):935-936. Sept.1966. 385 Ag8B
Fungicides.
- 24875 KOTHARI, K. L., and BHATNAGAR, M. K. Evaluation of fungicides against crop diseases. I. On *Colletotrichum capsici* causing blight of guar. Indian Phytopathol. 19(1):116-117. Mar. 1966. 464.8 In2
- 24876 LEATHER, R. I. Studies on the reaction of some cacao varieties to *Phytophthora palmivora* (Butl.) Butl. in Jamaica. Exp. Agr. 2(2): 107-112. Apr.1966. 10 Ex72
Cause of black pod.
- 24877 LEJERSTEM, B. Rust on *Berberis* and *Rhamnus* [catharticus] in Sweden. (Sw) Nord. Jordbrugsforsk. 47(3):148-149. 1965. 11 N752
- 24878 LOUVET, J. Research on some sclerotial fungi parasitic on plants in the soil. (Fr) Phyt. Phytat.-Phytopharm. 14(4):175-177. Dec.1965. 464.8 P564
Sclerotinia, *Stromatinia*, *Rhizoctonia*, and *Sclerotium*.
- 24879 LOUVET, J., and GIUSTINA, W. DELLA. Trials of soil treatments for control of *Sclerotinia minor*. (Fr) Phytat.-Phytopharm. 14(4): 199-201. Dec.1965. 464.8 P564
Fungicides.
- 24880 MALOY, O. C. Plant diseases: powdery mildew. Wash. State Univ. Ext. E. M. 2665, 2 p. July 1966. 275.29 W27M1
- 24881 MESSIAEN, C. M., and BEYRIES, A. Estimation of the rate of infestation of soil samples by virulent strains of *Rhizoctonia solani* as applied to the study of the effect of organic soil improvements. (Fr) Phytat.-Phytopharm. 14(4):183-191. Dec.1965. 464.8 P564
- 24882 NIKOLIN, B. N. Species composition of the rust fungi on certain types of extensive clear cuttings in the North. (Rus) Les. Zh. 1:43-46. 1965. 99.8 I28
- 24883 PERIES, O. S. Host induced change in the morphology of a powdery mildew fungus. Nature [London] 212(5061):540-541. Oct.29,1966. 472 N21
Oidium heveae on *Euphorbia hirta*.
- 24884 PUGH, G. J. F. An investigation of soil-borne cellulose-decomposing fungi in Greece. Inst. Phytopathol. Benaki. Ann. (n.s.)7(1):19-27. Ref. 1964. 464.9 A44
Includes plant pathogens.
- 24885 RAGHUNATH, T. Chlamydospore production by *Tolyposporium christensenii* in artificial culture. Cur. Sci. 35(16):418. Aug.20,1966. 475 Sci23
Inciting long smut on *Cymbopogon flexuosus*.
- 24886 SEWELL, G. W. F., and WILSON, J. F. Verticillium wilt of the hop: fluctuating outbreaks in wilt-resistant varieties. Ann. Appl. Biol. 58 (2):251-258. Ref. Oct.1966. 442.8 An72
- 24887 SINGH, J. Mechanism of antifungal action of patulin. Diss. Abstr., Sect. B, 27(3):669B-670B. Sept.1966. Z5055.U49D53
- 24888 ZAMBETTAKIS, C. Research on the destruction of sclerotial fungi by chemotherapy. (Fr) Phytat.-Phytopharm. 14(4):213-222. Dec.1965. 464.8 P564
Control with fungicides.
- Fungus Diseases - Field Crops
- 24889 BENEDICT, W. G., and FUCIKOVSKY, L. Cercospora soja lesions on soybean. Can. J. Plant Sci. 46(5):567-568. Sept.1966. 450 C16
Cause of leaf spot.
- 24890 BENEDICT, W. G. Changes in levels of some chemical constituents of soybean leaves following leaf spot infection. Can. J. Plant Sci. 46(5):553-560. Ref. Sept.1966. 450 C16
Caused by *Pseudomonas glycinea*, *Septoria glycines* and *Cercospora soja*.
- 24891 CHAPA, R. G. Studies on the behavior of single-basidiospore isolates and heterokaryons of *Rhizoctonia solani*. Diss. Abstr., Sect. B, 27(3):667B. Sept.1966. Z5055.U49D53
Isolated from flax.
- 24892 CORLETT, M. Perithecial development in *Leptosphaeria avenaria* f. sp. *avenaria*. Can. J. Bot. 44(9):1141-1149. Ref. Sept.1966. 470 C16C
Pathogen of *Avena sativa*.
- 24893 DHANRAJ, K. S. Dry rot of maize caused by *Diplodia macrospora* Earle. Indian Phytopathol. 19(1):120. Mar.1966. 464.8 In2
- 24894 DYCK, P. L. Inheritance of stem rust resistance and other characteristics in diploid oats, *Avena strigosa*. Can. J. Genet. Cytol. 8(3): 444-450. Sept.1966. 443.8 C16
Puccinia graminis as pathogen.
- 24895 HAGBORG, W. A. F., and ROHRINGER, R. Antibiotic P-9; purification and protracted chemotherapeutic effect on stem rust of wheat. Can. J. Bot. 44(11):1443-1449. Nov.1966. 470 C16C
Puccinia graminis.
- 24896 HERMANSEN, J. E. On pathogenic races of rust fungi on wheat and barley. (Da) Nord. Jordbrugsforsk. 47(3):146-147. 1965. 11 N752
- 24897 HERMANSEN, J. E. On rust and mildew of barley in Denmark during the years 1961-63. (Da) Nord. Jordbrugsforsk. 47(3):149-150. 1965. 11 N752
- 24898 JAMALADINEN, E. A. Investigation of the resistance of Scandinavian plant breeding material to overwinter diseases. (Sw) Nord. Jordbrugsforsk. 47(3):146. 1965. 11 N752
Fungus diseases of grain.
- 24899 JOOSTE, W. J. Stinking smut in wheat. Farming S. Agr. 42(6):49, 51. Sept.1966. 24 S842
Caused by *Tilletia foetida* and *T. caries*; includes control with PCNB.
- 24900 JORGENSEN, J. Some observation in the influence of temperature on conidial production of *Cercospora herpotrichoides* and necrosis formation of wheat. (Da) Nord. Jordbrugsforsk. 47(3):142. 1965. 11 N752

- 24901 KAR, A. K. Host pathogen relationship in *Nigrospora* (oryzae) disease of rice. *Indian Phytopathol.* 19(1):115-116. Mar. 1966. 464.8 In2
- 24902 KISPATIC, J. The control of *Cercospora* of sugar beets. (Se) *Biljna Zastita* 10(2/3):53-55. Feb./Mar. 1966. 464.8 B49
- 24903 KRUGER, W. Smut diseases in maize. *Farming S. Afr.* 42(6):13, 17. Sept. 1966. 24 S0842
Caused by *Sphacelotheca reiliana* and *Ustilago maydis*; includes control.
- 24904 KUPREVIČ, V. F., and USTINOVA, A. V. Quantitative changes of phosphorus fractions in rye leaves affected by brown rust (*Puccinia dispersa* Erikss. et Henn.). (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 10(8):599-600. Aug. 1966. 511 M663D
- 24905 LANCASHIRE, J. A., and LATCH, G. C. M. Some effects of crown rust (*Puccinia coronata* Corda) on the growth of two ryegrass varieties in New Zealand. *New Zeal. J. Agr. Res.* 9(3): 628-640. Ref. Aug. 1966. 23 N4892
Lolium perenne and *L. multiflorum*.
- 24906 LATCH, G. C. M. Fungous diseases of ryegrasses [*Lolium* spp.] in New Zealand. II. Foliage, root, and seed diseases. *New Zeal. J. Agr. Res.* 9(3):808-819. Ref. Aug. 1966. 23 N4892
- 24907 LEHMANN, H. Snow mold of the grain caused by *Typhula* [*Typhula incarnata*] during the winter. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienst* 19(6):141-145. Ref. 1965. 464.9 N11
English summary.
- 24908 LEIJERSTAM, B. Races of black rust of oats in Scandinavia and resistance of oats to them. (Sw) *Nord. Jordbrugsforsk.* 47(3):148. 1965. 11 N752
- 24909 LEIJERSTAM, B. Wheat mildew. (Sw) *Nord. Jordbrugsforsk.* 47(3):150-151. 1965. 11 N752
- 24910 MACRER, R. C. F., and VAN DEN DRIESCHER, M. Yellow rust (*Puccinia striiformis* Westend.) of barley in England, 1960-65. *J. Agr. Sci. [London]* 67(2):255-265. Ref. Oct. 1966. 10 J822
- 24911 MAHADEVAN, A. Biochemistry of *Fusarium* wilt resistance in cotton. I. The influence of amino acids in fungal growth. *Indian Phytopathol.* 19(1):92-94. Mar. 1966. 464.8 In2
Fusarium oxysporum var. *vasinfectum*.
- 24912 MCCONNELL, W. B., and UNDERHILL, E. W. The utilization of ammonium chloride-¹⁵N by uredospores of wheat stem rust. *Can. J. Biochem.* 44(11):1511-1518. Ref. Nov. 1966. 470 C16E
Puccinia graminis tritici.
- 24913 MCEWAN, J. M. The source of stem-rust infecting New Zealand wheat crops. *New Zeal. J. Agr. Res.* 9(3):536-541. Aug. 1966. 23 N4892
Caused by *Puccinia graminis tritici*.
- 24914 METCALFE, D. R. Inheritance of loose smut resistance. III. Relationships between the "Russian" and "jet" genes for resistance and genes in 10 barley varieties of diverse origin. *Can. J. Plant Sci.* 46(5):487-495. Sept. 1966. 450 C16
Ustilago nuda as pathogen.
- 24915 MILATOVIC, I. Diseases of the basis of cornstalks. (Se) *Biljna Zastita* 10(2/3):46-49. Feb./Mar. 1966. 464.8 B49
Fungus diseases caused by *Fusarium* spp.; includes control.
- 24916 MISRA, A. P., MOHAMMAD, A., and DAS, P. K. Studies on the viability of sclerotia of *Sclerotium oryzae* Catt, the incitant of stem rot of paddy in Bihar. *Indian Phytopathol.* 19(1):14-18. Mar. 1966. 464.8 In2
- 24917 MOREAU, M., and TRIQUE, B. Study of exoenzymes in the filtrates of grain mold cultures: *Aspergillus versicolor* (Vuill.), *Tiraboschi* and *Penicillium cyclopium* Westl. (Fr) *Acad. Sci. Compt. Rend. Ser. D* 263(3):239-241. July 18, 1966. 505 P21
- 24918 NILSSON, H. E. Summary of resistance biological investigations on take-all of wheat and barley. (Sw) *Nord. Jordbrugsforsk.* 47(3):143. 1965. 11 N752
- 24919 OHATA, K. I., GOTO, K., and KOZAKA, T. Observations on the reaction of rice cells to the infection of different races of *Piricularia oryzae*. 21 p. Ref. Transl. 15127
Translation from *Phytopathological Society of Japan. Annals* 28(1):24-30. 1963.
- 24920 OORT, A. J. P. Occurrence of take all of wheat [*Ophiobolus graminis*] in the new polders. (No) *Ned. Alg. Keuringsdienst Landbouwschap Aardappeltoetoeed*, Meded. 22 (5):42-43. Sept. 1965. 61.9 N28
- 24921 PATTERSON, F. L., and GILBERT, S. K. Inheritance of stem resistance in *Avena sativa* L. *Ind. Acad. Sci. Proc.* 75:67-72. 1965. pub. 1966. 500 In2
Caused by *Puccinia graminis*.
- 24922 PERUANSKII, YU. V., and RUN'KOVSKAYA, N. G. Lipid fractions of uredospores of the stem-rust of wheat. (Rus) *Akad. Nauk SSSR. Dokl.* 169(4):962-964. Ref. 1966. 511 P444A
- 24923 PRABHU, A. S., and PRASADA, R. Pathological and epidemiological studies on leaf blight of wheat caused by *Alternaria triticea*. *Indian Phytopathol.* 19(1):95-112. Ref. Mar. 1966. 464.8 In2
- 24924 PRASADA, R., and others. Occurrence of physiologic races of wheat and barley rusts in India during 1957-62. *Indian Phytopathol.* 19(1):45-58. Ref. Mar. 1966. 464.8 In2
V. C. Lele, L. M. Joshi, S. Singh, M. M. Payak, D. P. Misra, G. Swarup, L. B. Gool, G. Krishna, and S. K. Sharma, joint authors.
Caused by *Puccinia* spp.
- 24925 RAMALINGAM, A. Spore dispersal in *Piricularia oryzae* Cav. *Indian Phytopathol.* 19(1):76-81. Ref. Mar. 1966. 464.8 In2
Cause of rice blast.
- 24926 SHEPHERD, C. J., and TOSIC, L. The roles of riboflavin and inhibitors in conidial germination in *Piricularia tabacina* Adam. *Australian J. Biol. Sci.* 19(2):335-337. Apr. 1966. 442.8 Au72
On tobacco leaves.
- 24927 SHOEMAKER, R. A. A pleomorphic parasite of cereal seeds, *Pyrenophora semeniperda*. *Can. J. Bot.* 44(11):1451-1456. Ref. Nov. 1966. 470 C16C
- 24928 SINGH, P. Studies on the effect of certain nutrients on the conidial germination in *Colletotrichum falcatum*. *Indian Phytopathol.* 19(1):30-37. Ref. Mar. 1966. 464.8 In2
Cause of red rot in sugarcane.
- 24929 SMILEY, J. H., and others. Controlling black shank of tobacco in Kentucky. *Ky. Univ. Ext. Circ.* 607, 15 p., map. Oct. 1966. 275.29 K415
G. W. Stokes, C. C. Litton, and I. E. Massie, joint authors.
Caused by *Phytophthora parasitica* nicotianae.
- 24930 STRZELCZYK, E. Effect of associated growth of bacteria from rhizosphere and non-rhizosphere soil on growth of fungi. *Inst. Pasteur. Ann.* 111(3,sup.):314-317. Sept. 1966. 448.3 An75
Tested on *Fusarium oxysporum* and *Thielaviopsis basicola*, pathogens of field crops.
- 24931 THOMPSON, S. S. Peanut leafspot diseases. *Ga. Univ. Ext. Leaflet* 25, 6 p.-folder. Mar. 1965. 275.29 G29L
Caused by *Cercospora arachidicola* and *C. personata*.
- 24932 TODD, F. A. Tobacco blue mold, anthracnose, and damping off control in flue-cured and burley tobacco. N. C. Univ. Ext. Ext. Circ. 397, rev., 8 p. June 1966. 275.29 N811
Blue mold, caused by *Peronospora tabacina*; anthracnose, caused by *Colletotrichum destructivum*; and damping off, caused by *Pythium* and *Rhizoctonia* spp.; control with ferbam, zineb, and maneb.
- 24933 VALLI, V. J. Biometeorological factors affecting conidia release by *Peronospora tabacina*. *Tobacco [N.Y. York]* 163(23):29-32. Dec. 2, 1966. 286.8 T552
- 24934 VASIN, V. B. On two forms of botryotiosis of broadbeans, *Vicia faba* (Rus) Moscow. *Univ. Vestnik. Ser. 6. Biol. Pochvoved.* 2:66-71. Mar./Apr. 1966. 442.9 M854
Caused by *Botrytis cinerea* and *B. fabae*.

- WARD, A. M. Downed corn, a disease of stress. *Farm Quart.* 21(5):36-37,82,84,87-88. Fall 1966. 6 F22995
Stalk rot and lodging.
- 24936 WATSON, I. A., SMITH, W. P. C., and SHIP-TON, W. A. Strains of stem and leaf rust on wheat in Western Australia since 1951. *West. Australia, Dep. Agr. J. (ser.4)7(6):363-366.* Ref. Aug.1966. 23 W52J
Caused by *Stilpocaea eriobotryae*, and *Fabraea maculata*, respectively.
- 24937 WINKELMANN, A., JOHANNES, H., and GOOS-SEN, H. Further studies with the liquid seed treatment. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 18(4):51-59. Apr.1966. 442.9 B832
Grain seeds for control of fungus diseases.
- 24938 ZWATZ, B. Good chances for the root rot; causes and control. (Ge) *Pflanzenarzt* 18(11):117-118. Nov.1,1965. 464.9 P482
Of grain, caused by *Cercospora herpotrichoides*.
- Fungus Diseases - Horticultural Crops**
- 24939 AGARWALA, R. K., and SHARMA, V. C. White root-rot disease of apple in Himachal Pradesh. *Indian Phytopathol.* 18(1):82-86. Mar.1966. 464.8 In2
Caused by *Dematophora necatrix*.
- 24940 BAGGA, H. S. Genetics of pathogenicity of *Venturia inaequalis* and of scab resistance of crabapples. *Diss. Abstr.*, Sect. B, 27(4):1016B. Oct.1966. Z5055.U49D53
- 24941 BALDWIN, R. E. Fungicide trials for the control of cucumber scab on the Eastern Shore of Virginia. *Del. Board Agr. Bull.* 55(5):37-39. 1965. 2 D37B
Caused by *Cladosporium cucumerinum*.
- 24942 BECKER, H. On the failure in grape breeding caused by *Phomopsis viticola* Sacc. (Ge) *Weinberg Keller* 13(8):359-360. Aug.1966. 95.8 W436
- 24943 BEDI, P. S. Studies on the biological control of *Verticillium wilt* of okra. *Diss. Abstr.*, Sect. B, 27(4):1045B. Oct.1966. Z5055.U49D53
Inoculation with *Cephalosporium*.
- 24944 BEETZ, K. J. Study of the effect of *Phomopsis viticola* and *Botrytis cinerea* on the shoots of grapes. (Ge) *Weinberg Keller* 13(8):349-358. Aug.1966. 95.8 W435
- 24945 BETENCOURT, A. Brown root rot (*Rhizoctonia solani*) of potatoes. (Fr) *Phytiat.-Phytopharm.* 14(4):203-211. Ref. Dec.1965. 464.8 P564
- 24946 BEYRIES, A., and MESSAEN, C. M. Activity of various fungicides on soil disinfection with respect to the host parasite pair *Rhizoctonia solani* and *Phaseolus mungo* var. *aureus*. (Fr) *Phytiat.-Phytopharm.* 14(4):193-197. Dec.1965. 464.8 P564
- 24947 BHATNAGAR, G. C., and PRASAD, N. Tryblidiella rufula (Spreng.) Sacc. causing canker and dieback of lime in Rajasthan and its systematic position. *Cur. Sci.* 35(14):371-372. July 20, 1966. 475 Sci23
- 24948 BRUIN, H. J. DE. Control of the *Rhizoctonia* disease in the fall. (Du) *Ned. Alg. Keuringsdienst Landbouwzaden Aardappelpootgoed.* Meded. 23(6):46-47. Oct.1966. 61.9 N28
Seed potatoes.
- 24949 BRUN, R., and TRAMER, R. Influence of soil fumigants on the cultivation of carnations [*Dianthus caryophyllus*] in the absence of characteristic parasites. (Fr) *Phytiat.-Phytopharm.* 14(4):223-228. Dec.1965. 464.8 P564
Fungicides.
- 24950 CHESTERS, C. G. C., and BLAKEMAN, J. P. The survival on *Chrysanthemum* roots of epiphytic mycelium of *Mycosphaerella ligulicola*. *Ann. Appl. Biol.* 58(2):291-298. Oct.1966. 442.8 An72
Cause of ray blight.
- 24951 CHU, M. Incidence of *Rhizoctonia* in a cultivated and a fallow soil in Hong Kong. *Nature [London]* 211(5051):862-863. Aug.20,1966. 472 N21
A probable pathogen in vegetables.
- 24952 CRUICKSHANK, I. A. M. Strains of *Colletotrichum lindemuthianum* (Sacc. and Magn.) in eastern Australia. *Australian Inst. Agr. Sci. J.* 32(2):134-135. June 1966. 23 Au74
On beans.
- 24953 DOPEL, R. F. Loquat diseases—black spot and fleck. *West. Australia, Dep. Agr. J. (ser.4)7(5):225-227.* May 1966. 23 W52J
Caused by *Stilpocaea eriobotryae*, and *Fabraea maculata*, respectively.
- 24954 DOROZHKIN, N. A., and STREL'SKAYA, O. YA. Methods for determination of resistance of tomato varieties to *Phytophthora [infestans]* after artificial inoculation. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 10(7):496-499. July 1966. 511 M663D
- 24955 GILS, J. J. VAN. Control of the damping-off disease. (Du) *Championcultuur* 10(1):12-14. Jan./Feb.1966. 30 C35
Mushrooms.
- 24956 GJAERUM, H. B. Korkrot, vorteskurv og brune rotter på tomat [Cork root [Pyrenochaeta], scab [Spongospora subterranea] and brown roots of tomatoes]. *Norway. Landbruksdep. Opplysningstjenesten. Smaskr.* 1,4 p. 1966. 464.4 N83
- 24957 GOLDENBERG, J. B. Estudio de la resistencia de las plantas a las enfermedades cuando dicha resistencia se manifiesta como un carácter métrico [Study of diseases resistance in plants when it manifests itself as a metric character]. *Rev. Invest. Agropecuar. Ser. 5, Patol. Veg.* 1(6):107-132. Ref. 1964. 464.8 R322
English summary.
Evaluation of disease resistance of blueberry hybrids to stem canker caused by *Botryosphaeria corticis*.
- 24958 GOURLEY, C. O. The pathogenicity of *Colletotrichum dematium* to table beets and other hosts. *Can. J. Plant Sci.* 46(5):531-536. Ref. Sept.1966. 450 C16
Vegetables.
- 24959 GREIFITHS, D. A. Foliar hypersensitivity of *Hibiscus* and *Dolichos* species to penetration by *Fusarium decemcellulare* (Brick.) in Malaya. *Hort. Res.* 6(1):45-50. Ref. May 1966. 80 H7892
Study of pathogen.
- 24960 JANARDHANAN, K. K., and HUSAIN, A. Leaf blight—a new disease of jasmine. *Cur. Sci.* 35(15):394-395. Aug.5,1966. 475 Sci23
Caused by *Glomerella cingulata* on *Jasminum officinale*.
- 24961 KANTZES, J. G. Effect of fungicidal sprays on disease control and yield of cantaloupes and cucumbers on the Eastern Shore of Maryland, 1965. *Del. Board Agr. Bull.* 55(5):32-36. 1965. 2 D37B
- 24962 KANTZES, J. G., and WEAVER, L. O. Effect of fungicidal sprays on disease control and yield of tomatoes on the Eastern Shore of Maryland, 1965. *Del. Board Agr. Bull.* 55(5):45-46. 1965. 2 D37B
- 24963 KIRKHAM, D. S., and HIGNETT, R. C. Control of host susceptibility and solute transport by metabolites of *Venturia inaequalis*. *Nature [London]* 212(5058):211-212. Oct.8,1966. 472 N21
Fungus of apple scab disease.
- 24964 KLINGNER, A. E., and PONTIS, R. E. La "raiz rosada" de la cebolla en la provincia de Mendoza (Argentina) [Pink rot of onions in Mendoza Province (Argentina)]. *Rev. Invest. Agropecuar. Ser. 5, Patol. Veg.* 1(1):1-11. Ref. 1964. 464.8 R322
English summary.
Caused by *Pyrenochaeta terrestris*.
- 24965 MACNISH, G. C. Downy mildew of crucifers. *West. Australia, Dep. Agr. J. (ser.4)7(7):304-306.* July 1966. 23 W52J
Caused by *Peronospora parasitica*, on cabbage and cauliflower.
- 24966 MOORE, J. N., and BOWDEN, H. L. Evaluating strawberry varieties for resistance to leaf spot. *Ark. Farm Res.* 15(5):12. Sept./Oct. 1966. 100 Ar42F
Caused by *Mycosphaerella fragariae*.

- 24967 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van de aardappelziekte [Control of late blight of potatoes] Phytophthora infestans (Mont.) de Bary. Neth. Plantenziektenkundige Dienst, Ber. 1968, 6 p. May 18, 1966. 464.9 N38
- 24968 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Apple scab (Venturia inaequalis). Agr. Gaz. New S. Wales 77(8): back cover. Aug. 1966. 23 N472
Includes control.
- 24969 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Dead arm disease of grapes (Phomopsis viticola). Agr. Gaz. New S. Wales 77(9): back cover. Sept. 1966. 23 N472
- 24970 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Early blight of tomato (Alternaria solani). Agr. Gaz. New S. Wales 77(7): back cover. July 1966. 23 N472
Includes control.
- 24971 OLOFSSON, B., and ANDREN, F. Late blight control trials 1964-65. (Sw) Swed. Statens Vaxtskyddsanst., Vaxtskyddsnotiser 30(2):19-23. 1966. 464.9 Sw3V
Potatoes.
- 24972 OLOFSSON, B. Vine killing and vascular ring discoloration. (Sw) Swed. Statens Vaxtskyddsanst., Vaxtskyddsnotiser 29(1):2-9. 1965. 464.9 Sw3V
In connection with the prevention of late blight of potatoes.
- 24973 PAXTON, J. D. Anatomical and physiological aspects of branch wilt disease of walnut. Diss. Abstr., Sect. B, 27(2):349B. Aug. 1966. Z5055.U49D53
Caused by Hendersonula toruloides on Juglans regia.
- 24974 PETTERSSON, C. G. Skin spot of potatoes. (Sw) Swed. Statens Vaxtskyddsanst., Vaxtskyddsnotiser 30(2):24-27. 1966. 464.9 Sw3V
Caused by Oospora pustulans.
- 24975 RAABE, R. D., and WILHELM, S. Budwood as a source of Verticillium wilt in greenhouse roses. Calif. Agr. 20(10):5-6. Oct. 1966. 100 C12Cag
- 24976 RANGASWAMI, G., and NATARAJAN, S. Changes in the free amino acids and C: N ratios of banana leaves infected with fungal pathogens. Indian Phytopathol. 19(1):59-64. Ref. Mar. 1966. 464.8 In2
- 24977 SHIVANANDAPPA, N., and GOVINDU, H. C. Sclerotium wilt of jasmine in Mysore. Cur. Sci. 35(15):393-394. Aug. 3, 1966. 475 Sci23
Caused by Sclerotium rolfsii in Jasminum sambac.
- 24978 SIMMONDS, J. H. A study of the species of Colletotrichum causing ripe fruit rots in Queensland. Queensland J. Agr. Anim. Sci. 22(4):437-459. Ref. Dec. 1965. 23 Q37
- 24979 SRIVASTAVA, M. P., and TANDON, R. N. Effect of Botryodiplodia infection on the vitamin C content of mango fruit. Cur. Sci. 35(16):419. Aug. 20, 1966. 475 Sci23
Botryodiplodia theobromae.
- 24980 SRIVASTAVA, M. P., and TANDON, R. N. Free amino acid spectrum of healthy and infected "Moshambi" fruit. Naturwissenschaften 53(19):508-509. Oct. 1, 1966. 474 N213
Citrus sinensis infected with Botryodiplodia theobromae.
- 24981 TAYLOR, J. B., and NEWHOOK, F. J. Root rots of apple trees in Nelson. Orchardist New Zeal. 39(9):333. Oct. 1966. 80 Or19
Includes Basidiomycetes as causal organism.
- 24982 THATE, R. Dead-arm disease of grapes, a new fungus disease for Germany; preliminary report. (Ge) Weinberg Keller 12(11):505-519. Ref. Nov. 1965. 95.8 W435
English summary.
Probably caused by Phomopsis viticola.
- 24983 TRAMIER, R., and MERCIER, S. A new disease of florists' Ranunculus. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10):684-687. June 1/8, 1966. 14 P215Bc
Caused by a fungus of the genus Itersonilia.
- 24984 VANDERWEYEN, A. Phytophthora syringae on citrus in Morocco. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10): 687-689. June 1/8, 1966. 14 P215Bc
- 24985 VERLEUR, J. D., WESTSTEYN, E. A., and HAAN-STOFFELS, H. DE. Nitrogen metabolism in white potato tuber tissue infected with fungi. Changes in the alcohol-soluble and-insoluble nitrogen fractions. Plant Cell Physiol. 7(2):291-300. Ref. July 1966. 450 P699
Gibberella saubinetii and Ceratocystis fimbriata as pathogens.
- 24986 WESTERN AUSTRALIA, DEPT. OF AGRICULTURE, PLANT PATHOLOGY BR. Black spot of peas. West. Australia. Dep. Agr. J. (ser. 4) 7(6):267-268. June 1966. 23 W52J
Includes control with thiram and Tetroc.
- 24987 WESTERN AUSTRALIA, DEPT. OF AGRICULTURE, PLANT PATHOLOGY BR. Peach leaf curl. West. Australia. Dep. Agr. J. (ser. 4) 6(10):613. Oct. 1965. 23 W52J
Caused by Taphrina deformans.
- 24988 WINKS, B. L., and WILLIAMS, Y. N. A wilt of strawberry caused by a new form of Fusarium oxysporum. Queensland J. Agr. Anim. Sci. 22(4):475-479. Dec. 1965. 23 Q37
Fusarium oxysporum fragariae.
- 24989 WINTER, H. F. Peach canker - what can be done about it? Ohio Rep. Res. Develop. Biol. Agr. Home Econ. 50(5):68-69. Sept./Oct. 1965. 100 Oh35
General measures to control fungi Valsa cincta and V. leucostoma.
- 24990 WONG, T. K., and VARGHESE, G. Assessing the susceptibility of local citrus species to Phytophthora root rot in Malaya. Exp. Agr. 2(4):305-308. Oct. 1966. 10 Ex72
Caused by Phytophthora parasitica nicotianae.

Fungus Diseases - Forest Trees

- 24991 GREMMEN, J. What's the real cause of Brunchorstia [pineal] attack in Austrian and Corsican pine? (Du) Ned. Bosbouw Tijdschr. 38(8): 304-309. Aug. 1966. 99.8 N28
English summary.
- 24992 HOUSTON, D. R. Strumella canker of oaks. U. S. Forest Serv. Forest Pest Leaflet. 101.8 p. Aug. 1966. A423.9 F764
Caused by Strumella corynoidea.
- 24993 HUNTER, C. K. Use of vepam in preventing root graft transmission of the Dutch elm disease fungus. Mich. Forest. Park Ass. Proc., 40th Annu. Conf.:82-86. 1966. 99.9 M586
- 24994 LAIHO, O. Scotch pine stands and Fomes annosus. (Fi) Metsatouluuollinen Aikakauslehti 33(9):378-380, 384. Sept. 1966. 99.9 F49
English summary.
- 24995 LOHR, E. Fomes annosus; formation of fruit bodies in culture. (Ge) Bot. Tidsskr. 62(1): 43-45. 1966. 450 B654
Pathogenic to Coniferae.
- 24996 LUKOMSKI, S. Research on occurrences of Cenangium ferruginosum. (Pol) Las Polski 40(18):13. Sept. 16/1966. 99.8 L33
Pine.
- 24997 MALEK, J. On the distribution of Armillaria mellea Vahl ex Fr. Kumm. and the red rot of forest types groups. (Ge) Ceska Mykol. 20(4): 221-225. Oct. 1966. 450 C333
- 24998 ORLOS, H., and DOMINIK, T. Some notes on the biology of the root Fomes. Fomes annosus (Fr.) Cooke. 10 p. (TT 65-50331) Transl. 16249
Chiefly on spruce and pine trees.
Translation from Sylwan 1:1-13. 1960. CFSTI: \$1.00.
- 24999 OUELLETTE, G. B. Coleosporium viburni on jack pine and its relationship with C. asterum [Pinus banksiana]. Can. J. Bot. 44(9):1117-1120. Sept. 1966. 470 C16C
- 25000 TWAROWSKA, I. Possibilities for biological control of root rot. (Pol) Las Polski 40(19): 10-12. Oct. 1/15, 1966. 99.8 L33
Control of Fomes annosus of pine with parasitic fungi.
- 25001 WILSON, C. L., and TUCKER, M. C. Dutch elm disease; now epidemic in Arkansas. Ark. Farm Res. 15(5):5, map. Sept./Oct. 1966. 100 Ar42F

Nematodes

Nematodes - Horticultural Crops

- 25002 DELGADO, M. A., MILLAN, F. J., and PEDREGAL, J. M. L. Three new species of nematodes, possibly phytoparasites in Spanish soils. (Sp) Spain. Inst. Biol. Apl. Publ. 38:47-58. Ref. June 1965. 442.9 Sp13
English summary.
Criconeimoides montserratii n. sp., Trichodorus castellanensis n. sp. and Pratylenchoides gadeai n. sp.
- 25003 DROPKIN, V. H. Physiology of nematodes of the soil. N. Y. Acad. Sci. Ann. 139(1):39-52. Ref. Oct. 7, 1966. 500 N484
Germ-free culture of plant pathogens.
- 25004 GADEA, E. On the nematodes of the mosses of the Lima (Peru) region. (Sp) Spain. Inst. Biol. Apl. Publ. 39:113-122. Ref. Nov. 1965. 442.9 Sp13
English summary.
- 25005 JOHANSSON, E. On parasitic nematodes in Sweden. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(3):38-51. 1966. 464.9 Sw3V
On plants.
- 25006 MUKERJEA, T. D. Chemical control of root-knot nematodes [Meloidogyne incognita acrita] parasitic on tea seedlings in northeast India. Trop. Agr. [St. Augustine] 43(4):335-340. Oct. 1966. 26 T754
- 25007 NENE, Y. L., and THAPLIYAL, P. N. Nematocidal properties of Anagallis arvensis L. extracts. Indian Phytopathol. 19(1):26-29. Mar. 1966. 464.8 In2
- 25008 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Root knot or root gall. Agr. Gaz. New S. Wales 77(5):back cover. May 1966. 23 N472
Caused by Meloidogyne on plants; includes control.
- 25009 PEACHEY, J. E., and CHAPMAN, M. R. Chemical control of plant nematodes. Commonwealth Bur. Helminthol. Tech. Commun. 36, 119 p. 1966. 436.9 C73
Bibliography, p. 21-119.
- 25010 SPENCER, E. Y., and others. Biologically active agents from Helminthosporium sativum. Advances Chem. Ser. 53:106-111. Ref. 1966. 381 Ad93
R. A. Ludwig, P. De Mayo, R. W. White, and R. E. Williams, joint authors.
Helminthosporal, a nematocide.
- 25011 TINER, J. D. Collection and storage of axenic inoculum of plant parasitic nematodes in the laboratory. N. Y. Acad. Sci. Ann. 139(1):111-123. Ref. Oct. 7, 1966. 500 N484
Chiefly Pratylenchus penetrans.

Nematodes - Field Crops

- 25012 ANDERSSON, S. Attack by the stem nematode (Ditylenchus dipsaci (Kuhn) Filipjev) on oats. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(1):10-12. 1966. 464.9 Sw3V
- 25013 HURTADO, E. A., and others. Control of tobacco nematodes at the seedbed. Philippine Tobacco Rev. 3(1):8-11, 26, 38. Jan./Apr. 1966. 286.89 P53
H. R. Pascua, B. A. Estrada, and A. C. Manlongat, joint authors.
With nematocides.
- 25014 IRVINE, W. A. The development of Meloidogyne hepta in alfalfa roots under controlled and variable temperatures. Iowa State J. Sci. 41(1):55-75. Ref. Aug. 1966. 470 Io9
- 25015 KAWASHIMA, K. Damage by nematode [Hirschmanella oryzae] and its control. 12 p. Ref. Transl. 16236
Translation from Nogyo Gijutsu 19(2):75-78. Feb. 1964.
- 25016 NIELSEN, C. H. Heterodera avenae, resistance breeding (testing) of grain varieties, especially barley. (Da) Nord. Jordbrugsforsk. 47(3):151-154. 1965. 11 N752
Includes discussion.

- 25017 FENILI, G. A., and PALMISANO, A. M. Control of root knot nematodes of carnation by using products with a phosphate base. (It) Redia 49:137-143. 1965. 421 R241
English summary.
Meloidogyne arenaria and M. incognita.
- 25018 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. Voorschriften inzake de wisselteelt van aardappelen met bloembollen, boomkwekerijgewassen en vaste planten [Regulations for the rotation of potatoes with bulbs, shrubs and perennials]. Neth. Plantenziektenkundige Dienst. Ber. 1674, 3 p. Aug. 17, 1966. 464.9 N38
In connection with potato nematode control.
- 25019 OVERMAN, A. J. Organophosphates, soil fumigants and strawberries. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:351-356. 1965, pub. 1966. 56.9 So32
For nematode control of strawberries.
- 25020 PARACER, S. M. Studies on the biology of Paratylenchus hamatus Thorne & Allen, 1950 and its effect on three host plants (Nematoda: Paratylenchidae). Diss. Abstr. Sect. B, 27(3):667B-668B. Sept. 1966. Z5055.U49D53
Peaches, roses, and grapes.
- 25021 RASKI, D. J., HART, W. H., and KASIMATIS, A. N. Modern viticulture: how to control nematodes. III. Pre-plant treatment. World Farming 8(11):10-11, 40-41. Nov. 1966. 30.08 W89
- 25022 VIDEGAR, G. Investigation of the potato nematode in potato consignments delivered to starch factories. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(2):30-31. 1966. 464.9 Sw3V

Virus Diseases

- 25023 BEUKMAN, E. F. Anatomic effects of the corky bark virus in Vitis. Diss. Abstr., Sect. B, 27(3):700B-701B. Sept. 1966. Z5055.U49D53
- 25024 BLATTNY, C. Microcephalic virus diseases in Laccaria sp. and other fungi species. (Ge) Ceska Mykol. 20(4):215. Oct. 1966. 450 C333
- 25025 MICINSKI, B., CZEKALSKI, A., and KOCIAL-KOWSKI, Z. Preliminary investigations on content of nutrients in healthy and leaf-roll infected hop-yards. (Pol) Roczn. Nauk Roln. 91-A-3:517-640. Ref. 1966. 20.5 R59
English summary.
Chiefly trace elements.
- 25026 PURCIFULL, D. E. Serological studies with several rod-shaped plant viruses. Diss. Abstr., Sect. B, 27(2):350B. Aug. 1966. Z5055.U49D53
- 25027 SASTRY, K. S. M. The effect of calcium, magnesium, and sulphur nutrition of guar plants on local lesion formation by sunhemp mosaic virus. Indian Phytopathol. 19(1):38-44. Ref. Mar. 1966. 464.8 In2
- 25028 SCHMIDT, H. E. Virus diseases of hop stands in the German Democratic Republic. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 19(4):85-89, map. Ref. 1965. 464.9 N11
English summary.
- 25029 TIKHONENKO, A. S., and ZAVARSINA, N. B. Morphology of the Chlorella pyrenoidosa lytic agent. (Rus) Mikrobiologiya 35(5):850-852. Sept./Oct. 1966. 448.3 M582
English summary.
Causing virus disease.

Virus Diseases - Field Crops

- 25030 BABOVIC, M. Virus diseases of alfalfa in Yugoslavia. (Se) Agrohemija 12:701-707. Ref. 1965. 385 Ag87
English summary.
- 25031 COOPER, R. L., and KENNEDY, B. W. Soybean mosaic linked to seedcoat mottling. Crops Soils 19(1):10. Oct. 1966. 6 W55

- 25032 DUDMAN, W. F. Behaviour of tobacco mosaic virus in agar and gelatin gels. *Biochim. Biophys. Acta* 126(2):405-408. Oct. 10, 1966. 381 B522
- 25033 DUDMAN, W. F. Precipitation of tobacco mosaic virus by macromolecules: a method for estimating molecular volumes. *Nature* [London] 211(5053):1049-1050, 1067. Ref. Sept. 3, 1966. 472 N21
- 25034 GORDON, D. T. Effects of barley stripe mosaic virus infection on the respiratory metabolism of barley leaves. *Diss. Abstr.*, Sect. B, 27(4):1017B. Oct. 1966. Z5055.U49D53
- 25035 KRISTENSEN, H. R., and ENGBERG, B. Soil-borne viruses. I. Rattle virus. (Da) *Tidsskr. Planteavl* 70(3):353-379. Ref. 1966. 11 T439
English summary.
Field crops.
- 25036 KUPREVICH, V. F., SEROVA, Z. YA., and TOLMACHEVA, E. A. Some biochemical indices of broadbeans (*Vicia faba* L.) affected by common pea mosaic virus. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 10(6):414-416. June 1966. 511 M663D
- 25037 LATCH, G. C. M., and PROCTER, C. H. Incidence of some viruses on *Trifolium pratense* L. in New Zealand pastures. *New Zeal. J. Agr. Res.* 9(3):726-728. Aug. 1966. 23 N492
Survey of red clover for presence of white clover mosaic, pea mosaic, and lucerne mosaic viruses.
- 25038 LIMASSET, P., and TUFFAUT, L. Study of the inhibiting effect of two glycoprotein hormones on tobacco mosaic virus. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Heb. Seances* 52(11):785-792. June 15/22, 1966. 14 P215Bc
Obtained from mollusks.
- 25039 LINDSTEN, K. Are grain viruses also in southern Sweden? (Sw) *Nord. Jordbrugsforsk.* 47(3):145-146. 1965. 11 N752
- 25040 OFFORD, R. E. Electron microscopic observations on the substructure of tobacco rattle virus. *J. Mol. Biol.* 17(2):370-375. Ref. June 1966. 442.8 J8224
- 25041 PIZARRO, A. C. Relation of barley yellow-dwarf virus infection to rhizosphere fungi in barley and oats with emphasis on a *Cryptomela* isolate. *Diss. Abstr.*, Sect. B, 27(4):1017B-1018B. Oct. 1966. Z5055.U49D53
- 25042 SCHACHTER, E. M. Orientation of the nucleic acid in tobacco mosaic virus. *Diss. Abstr.*, Sect. B, 27(3):730B-731B. Sept. 1966. Z5055.U49D53
- 25043 SLYKHUIS, J. T., and BELL, W. Differentiation of Agropyron mosaic, wheat streak mosaic, and hitherto unrecognized Hordeum mosaic virus in Canada. *Can. J. Bot.* 44(9):1191-1208. Ref. Sept. 1966. 470 C16C
- 25044 STEWART, J. M., and others. Immunochemical studies on tobacco mosaic virus protein. IV. *Biochemistry* 5(11):3396-3400. Nov. 1966. 381 B523
J. D. Young, E. Benjamini, M. Shimizu, and C. Y. Leung, joint authors.
- 25045 STUBBS, J. D. The chemical characterization of the protein subunit of bromegrass mosaic virus and the effects of bromegrass mosaic virus ribonucleic acid on a cell free *Escherichia coli* amino acid incorporating system. *Diss. Abstr.*, Sect. B, 27(4):1070B. Oct. 1966. Z5055.U49D53
- 25046 THOMPSON, S. S. Tobacco mosaic and its control. *Ga. Univ. Ext. Leaf.* 53, 8 p.-folder. May 1966. 275.29 G29L
- 25047 TOLER, R. W., and HOBBS, C. D. Corn virus hits Texas crops. *Tex. Agr. Progr.* 12(4):15, map. Fall 1966. 100 T31Te
Dwarf mosaic.
- 25048 TOLMACHEVA, E. A. Peculiarities of formation of virus inclusions in epidermis of legumes affected by the ordinary mosaic virus of peas. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 10(3):202-205. Mar. 1966. 511 M663D
Tests with broadbeans.
- 25049 TOMIOKA, T. Study of virus inhibitors attacking plants. (Por) *Biologico* 32(7):164-166. July 1966. 442.8 B529
Blasticidin and thiouracil inhibitors of tobacco mosaic.
- Virus Diseases - Horticultural Crops
- 25050 BOVEY, R. Especially dangerous diseases forming the object of special plant sanitation prescriptions. (Fr) *Agr. Romande (ser.A)* 5(6):71-72. (Cont.) June 1966. 17 Ag8
Pierce's disease of grapes (virus-caused) and "sharka" of plums (virus-caused).
- 25051 CARTER, W. Susceptibility of coconut palm to lethal yellowing disease. *Nature* [London] 212(5059):320. Oct. 15, 1966. 472 N21
Yellow mosaic.
- 25052 DENMARK. STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Influence of carnation mottle virus on yield and quality of carnations. (Da) *Tidsskr. Planteavl* 70(3):415-416. 1966. 11 T439
- 25053 DENMARK. STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Rubbery world of apples. (Da) *Tidsskr. Planteavl* 70(2):261-263. 1966. 11 T439
- 25054 FINCH, J. T., and KLUG, A. Arrangement of protein subunits and the distribution of nucleic acid in turnip yellow mosaic virus. II. Electron microscopic studies. *J. Mol. Biol.* 15(1):344-364. Ref. Jan. 1966. 442.8 J8224
- 25055 FRANCKI, R. I. B. Isolation, purification, and some properties of two viruses from cultivated *Cymbidium* orchids. *Australian J. Biol. Sci.* 19(4):555-564. Aug. 1966. 442.8 Au72
Tobacco and *Cymbidium* mosaic.
- 25056 FRIST, R. H. A study of cucumber virus 4 protein. *Diss. Abstr.*, Sect. B, 27(3):700B. Sept. 1966. Z5055.U49D53
- 25057 GEORGE, J. A., and DAVIDSON, T. R. Virus assay of seeds from selected Montmorency cherry trees. *Can. J. Plant Sci.* 46(5):501-505. Ref. Sept. 1966. 450 C16
Necrotic ring spot and yellows.
- 25058 JERMOLJEV, E., and ALBRECHTOVA, L. Preparation of an antiserum against the virus of black ring spot of cabbage. (Cz) *Sb. UVTI (Ustav Vedeckotech. Inform.) Ochrana Rostlin* 2(2):159-160. May 1966. 464.8 B55
English summary.
- 25059 EL-KANDELGY, S. M. Effect of red clover flower extract and sugars on infection of *Gomphrena globosa* by red clover vein-mosaic virus. *Diss. Abstr.*, Sect. B, 27(3):666B-667B. Sept. 1966. Z5055.U49D53
- 25060 KLUG, A., LONGLEY, W., and LEBERMAN, R. Arrangement of protein subunits and the distribution of nucleic acid in turnip yellow mosaic virus. I. X-ray diffraction studies. *J. Mol. Biol.* 15(1):315-343. Ref. Jan. 1966. 442.8 J8224
- 25061 LOESCHCKE, V., and STEGEMANN, H. Proteins of potato tubers in relation to variety and viruses. (Polyacrylamide electrophoresis). (Ge) *Phytochemistry* 5(5):985-991. Ref. Sept. 1966. 450 P5622
English summary.
- 25062 MISRA, S. C., and CHENULU, V. V. A mosaic disease of Petunia. *Indian Phytopathol.* 19(1):19-25. Ref. Mar. 1966. 464.8 In2
Caused by tobacco mosaic.
- 25063 MONASTERIOS DE LA TORRE, T. Presence of viruses in Bolivian potatoes. *Turrialba* 16(3):257-260. Ref. July/Sept. 1966. 8 T86
- 25064 MUKHOPADHYAY, S. Some properties of leaf proteins in virus susceptible and tolerant clones of apple. *Diss. Abstr.*, Sect. B, 27(4):1017B. Oct. 1966. Z5055.U49D53
- 25065 RYDEN, K. Skim milk as a plant protection preparation. (Sw) *Swed. Statens Vaxtskydsanst. Vaxtskydsnotiser* 29(1):12-16. 1965. 464.9 Sw3V
Chiefly to prevent transmission of tobacco mosaic-virus to tomatoes; Review.
- 25066 SASTRY, K. S., and GORDON, M. P. The photodynamic inactivation of tobacco mosaic virus and its ribonucleic acid by acridine orange. *Biochim. Biophys. Acta* 129(1):32-41. Ref. Oct. 24, 1966. 381 B522
- 25067 SILBERSCHMIDT, K. M. On a potato virus disease carried on imported tubers. (Por) *Biologico* 31(8):176-177. Aug. 1965. 442.8 B529

- 25069 VIRUS diseases of fruit trees. (Ge) Obstrundschau 25(4), 4 p. Apr. 30, 1965. 80 Ob74
Text also in French.
Includes control.
- 25069 WANG, C. L., and others. The influence of some viruses on the development of black rot of sweet potato. (Ch) Acta Phytophylacica Sinica 4(3):284. Aug. 1965. Not in Libr.
Y. M. Chang, H. M. Chai, A. H. Niu, and L. C. Chang, joint authors.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 48:12. Mar. 3, 1966. [JPRS 34,392; TT 66-30832] 241.7 Un34C
Issued by CFSTI.
- Physiological Diseases
- 25070 CHEN, R. A. Nutritional aspects of lethal yellowing in coconuts. Trop. Agr. [St. Augustine] 43(3):211-218. Ref. July 1966. 26 T754 Jamaica.
- 25071 GAGNON, J. D. Nitrogen deficiency in the York River burn, Gaspe, Quebec. Plant Soil 23(1):49-59. Ref. Aug. 1965. 450 P696
Nutritional deficiency of Picea mariana.
- 25072 GREENWOOD, E. A. N., GOODALL, D. W., and TITMANIS, Z. V. The measurement of nitrogen deficiency in grass swards. Plant Soil 23(1):97-116. Aug. 1965. 450 P696
Lolium rigidum.
- 25073 KELLER, T. Experiments for controlling winter needle discoloration on spruce shoots in forest nurseries. (Ge) Schweiz. Z. Forstwesen 117(10):706-719. Ref. Oct. 1966. 99.8 J82
French summary.
Nutritional deficiencies, controlled with mineral fertilizers.
- 25074 KIELY, T. Exanthema of citrus. Agr. Gaz. New S. Wales 77(5):289-292. May 1966. 23 N472
Caused by copper deficiency.
- 25075 MORETTINI, A. Olive cankers; research on the origin and recent methods of control based on renewal of the tree. (It) Ital. Agr. 103(6):559-576. Ref. June 1966. 16 I11
Based on the hypothesis that the disease is caused by physiological changes in the duramen.
- 25076 PAL, N. L., BANGARAYYA, M., and NARASIMHAMURTHY, Y. C. Interrelation of potassium and chlorine supply on the burn of flue-cured tobacco. Soil Sci. 102(5):346-352. Ref. Nov. 1966. 56.8 S03
- 25077 PIRSON, H. Water deficiency diseases of beans and peas. (Ge) Saatgut-Wirtsch. 18(7):240-243. July 1966. 61.8 S11
Includes germination.
- 25078 SCHUMACHER, R. Rotel control in young trees. (Ge) Schweiz. Z. Obst-Weinbau 102(9):230-232. Apr. 30, 1966. 80 Sch9
Nutritional deficiencies in cherries with naphthyl acetamide.
- 25079 STEINBECK, K., MAY, J. T., and MCCREERY, R. A. Growth and needle color abnormalities of slash pine seedlings caused by nutrient treatments. Ga. Forest Res. Council. Ga. Forest Res. Pap. 38, 9 p. Ref. June 1966. 99.9 G299G
- 25080 WIDOWSON, J. P. Zinc deficiency on the shallow soils of Nieu. II. Effects of zinc sulphate on the yield and nutrient composition of crotalaria and sweet corn. New Zeal. J. Agr. Res. 9(3):748-770. Ref. Aug. 1966. 23 N4892
- 25081 WILL, G. M. Magnesium deficiency: the cause of spring needle-tip chlorosis in young pines on pumice soils. New Zeal. J. Forest. 11(1):88-94. 1966. 99.8 C162
- Injuries
- 25082 ANGERMANN, R. The role of check periods in the practical plant protection. (Ge) Nachrichtentbl. Deut. Pflanzenschutzdienst (n.s.) 19(5):136-139. 1965. 464.9 N11
English summary.
Toxicity of economic poisons.
- 25083 BERAN, F. Air pollution, a phytopathological problem also. (Ge) Pflanzenarzt 18(11):112-114. Nov. 1, 1965. 464.9 P482
- 25084 BOER, W. DEN. Control of snails on diversified holdings. (Du) Groenten Fruit 22(15):607. Oct. 19, 1966. 80 G89
In connection with injuries to vegetables.
- 25085 BOSENBERG, K. Proposals for warding off fruit and grape injuries by starlings. (Ge) Nachrichtentbl. Deut. Pflanzenschutzdienst 19(6):178-179. 1965. 464.9 N11
- 25086 CHESNESS, J. L. A study of a leaf model used in the sprinkling method of freeze protection of plants. Diss. Abstr., Sect. B, 27(4):1128C. Oct. 1966. Z5055.U49D53
- 25087 CODRINGTON, C. DE B. Avoiding potato damage. Great Brit. Min. Agr. Fish. Food. Agr. 73(10):462-464. Oct. 1966. 10 G79J
- 25088 THE CONTROL of mice in the fruit stands. (Ge) Obstrundschau 25(6), 4 p. June 25, 1966. 80 Ob74
Text also in French.
- 25089 ENDRIEN and the control of voles. (Ge) Obstrundschau 25(10), 4 p. Oct. 29, 1965. 80 Ob74
Text also in French.
As fruit pests.
- 25090 ERDOS, L. Protection of legumes and fall crops against field vole. (Hu) Magyar Mezőgazdaság 21(44):13. Nov. 2, 1966. 19 M27
Biological and chemical.
- 25091 GARTEL, W. Heavy losses in a production vineyard due to the faulty tillage. (Ge) Weinberg Keller 13(8):361-364. Aug. 1966. 95.8 W435
Injuries.
- 25092 GREENHAM, C. G. The stages at which frost injury occurs in alfalfa. Can. J. Bot. 44(11):1471-1483. Ref. Nov. 1966. 470 C16C
- 25093 GUSTAFSSON, N. Risks for necrosis of vascular bundle of potatoes in vine killing in connection with drought. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(2):28-30. 1966. 464.9 Sw3V
- 25094 HUNT, G. S. The direct effects on some plants and animals of pollution in the Great Lakes. BioScience 15(3):181-186. Ref. Mar. 1965. 500 Am322A
- 25095 KLEIN, E. Study of shrinkage of sugar beet roots especially with regard to CIPC and Carbyne. (Ge) Gesunde Pflanzen 18(4):68-74. Apr. 1966. 464.8 G33
- 25096 LEVKOVICH, B. A., BOLDINSKII, G. I., and ABDURAZAKOV, E. M. A new method in determining cotton seed injuries. (Rus) Khlopkovodstvo 9:34. Sept. 1966. 72.8 K522
- 25097 MANNINGER, G. A., and ERDELYI, CS. Measuring field vole infestation and methods of control. (Hu) Magyar Mezőgazdaság 21(45):13-14. Nov. 9, 1966. 19 M27
Pest of field crops.
- 25098 ROWBOTHAM, J. C. Fence out those rabbits. West. Australia. Dep. Agr. J. (ser. 4) 6(10):611. Oct. 1965. 23 W52J
Causing damage to fruit.
- 25099 SINGLE, W. V. Studies on frost injury to wheat. III. Screening of varieties for resistance to ear and stem frosting. Australian J. Agr. Res. 17(5):601-610. Sept. 1966. 23 Au783
- 25100 SOULAGE, G. Hail prevention; the present state of the problem. (Sp) Argent. Inst. Nac. Vitivinicult. Inform. 1(1):38-59, map. Jan./Mar. 1965. 95.9 Ar3
Chiefly on experiments carried out in France.
- 25101 TROLL, R. Parasitic amoebae and associated micro-organisms in laticiferous plants. Diss. Abstr., Sect. B, 27(4):1336B. Oct. 1966. Z5055.U49D53
- 25102 WHALIN, B. Some experiments with blue colored seed grain. (Sw) Swed. Statens Vaxtskyddsanst. Vaxtskyddsnotiser 30(3):34-37. 1966. 464.9 Sw3V
As protection against birds.

SYSTEMATIC AND GEOGRAPHIC BOTANY

- 25103 BAUDIERE, A., and BONNET, A. L. M. Phytogeographic study of the Haute-Vallee de Carenca (Pyrenees-Orientales); second floristic survey. (Fr) Vie Milieu, Ser. C, Biol. Terrestre 16(1):599-630. Ref. 1965. QH301.V5
English summary.
- 25104 CRONKVIST, A., TAKHTA, A., and TSIMMER-MANN, W. The higher taxa of Embryobionta. (Russ) Bot. Zhur. [Moscow] 51(5):629-634. Ref. May 1966. 451 R923
English summary.
- 25105 HANSEN, A. New floristic finds and observations, mostly from 1965. (Da) Bot. Tidsskr. 61(4):304-308. 1966. 450 B654
English summary.
- 25106 HOFFMAN, G. R., and TOMLINSON, G. J. A bibliography of vegetational studies of Colorado. Southwest. Natur. 11(2):228-237. June 30, 1966. 409.6 S08
- 25107 HUMBLE, J. Indiana plant distribution records. XIX. 1965-65. Ind. Acad. Sci. Proc. 75: 231-232. 1965, pub. 1966. 500 In2
- 25108 MOSQUIN, T., and HAYLEY, D. E. Chromosome numbers and taxonomy of some Canadian arctic plants. Can. J. Bot. 44(9):1209-1218. Ref. Sept. 1966. 470 C16C
- 25109 PENZES, A. Get acquainted with aquatic plants. (Hu) Halaszat 12(3):68. May/June 1966. 414.8 H12
- 25110 RAJU, D. C. S. Plants of Papi hill in Andhra Pradesh. Indian Forest. 92(7):482-492. Ref. July 1966. 99.8 In2
- 25111 TOLMATCHEV, A. I. Evolution of plants in the arctic Eurasia during and after the Quaternary glaciation. (Ge) Bot. Tidsskr. 62(1):27-36. Ref. 1966. 450 B654
- Spermatophytes
- 25112 AALDERS, L. E., and HALL, I. V. A cytotoxic survey of the native blackberries [Rubus] of Nova Scotia. Can. J. Genet. Cytol. 8(3):528-532, map. Ref. Sept. 1966. 443.8 C16
- 25113 AYENSU, E. S. Taxonomic status of Trichopus: anatomical evidence. Linn. Soc. London, J. Bot. 59(380):425-430. July 1966. 451 L64J
- 25114 BALAKRISHNAN, N. P. A new species of *Listera* from Nepal (Orchidaceae). Blumea 14(1): 237-239. 1966. 450 B62
Listera nepalensis.
- 25115 BARNEBY, R. C. New sorts of Lesquerella, Euphorbia, and Viguiera from Kane County, Utah. Leaf. West. Bot. 10(16):313-317. Nov. 23, 1966. 450 L47
Euphorbia nephradenia, n. sp., Viguiera soli-
ceps, n. sp.
- 25116 BISSET, N. G., and others. Chemotaxonomic studies of the family Dipterocarpaceae. II. Constituents of the genus Dipterocarpus Gaertn. F. Chemotaxonomic classification study. (Fr) Phytochemistry 5(5):865-880. Ref. Sept. 1966. 450 P5622
M. A. Diaz, C. Ehret, G. Ourisson, M. Pal-
made, F. Patil, P. Pesnelle, and J. Streith,
joint authors.
English summary.
- 25117 BOCHER, T. W. Experimental and cytological studies on plant species. X. *Sisyrinchium* with special reference to the Greenland representa-
tive. Bot. Tidsskr. 61(4):273-290. Ref. 1966. 450 B654
Includes n. sp.
- 25118 BOLMAN, H. Abutilon theophrasti Med. (Du) Natura [Heemstede] 63(8):111-113. Sept. 1966. 410 N2192
- 25119 BRENNAN, J. P. M. The classification of Com-
melinaceae. Linn. Soc. London, J. Bot. 59(380):
349-370. Ref. July 1966. 451 L64J
- 25120 BUINING, A. F. H. *Arthrocreus rondonianus* Backg. et Voll. (Du) Succulenta 45(10):154-155. Oct. 1966. 450 Su12
- 25121 BUINING, A. F. H. *Cleistocactus vulpis-cauda* Ritter et Cullman. (Du) Succulenta 45(10):147. Oct. 1966. 450 Su12
- 25122 BUNTING, G. S. *Philodendron domesticum*, a new name for *P. hastatum* Hort. [Araceae]. Baileya 14(3):89-91. Sept. 1966. 80 B15
- 25123 CHRTEK, J. Notes on the *Cerastium alpinum* L. in Babia Gora. (Cz) Biologia [Bratislava] 21(7):549-550. 1966. 442.8 B5265
- 25124 CONSTANCE, L. *Oenanthe pimpinelloides* L. in North America. Leaf. West. Bot. 10(16):326. Nov. 23, 1966. 450 L47
- 25125 DEB, D. B. An undescribed species of *Mycetia* Reinw. (Rubiaceae) from India. Blumea 14(1): 241-243. 1966. 450 B62
Mycetia listeri.
- 25126 DECKER, J. M. Wood anatomy and phylogeny of Luxemburgieae (Ochnaceae). Phytomorphology 16(1):39-55. Ref. Mar. 1966. 450 P566
Taxonomic study.
- 25127 DVORAKOVA, M. On the taxonomy and distribution of *Thlaspi silvestre* Jord. subsp. *tatrense* Zapal. Dvorakova. (Cz) Biologia [Bratislava] 21(7):512-521, map. 1966. 442.8 B5265
German summary.
- 25128 EDLIN, H. L. A modern sylvia or a discourse of forest trees. 19. Hazel, *Corylus avellana*, L., and hornbeam, *Carpinus betulus* L. Quart. J. Forest. 60(4):282-289. Oct. 1966. 99.8 Q2
- 25129 ERDTMAN, H., KIMLAND, B., and NORIN, T. Wood constituents of *Ducampopinus krempfii* (Lecomte) Chevalier (*Pinus krempfii* Lecomte). Phytochemistry 5(5):927-931. Ref. Sept. 1966. 450 P5622
Chemotaxonomy.
- 25130 FAIRBROTHERS, D. E. Torreya. An annotated bibliography of the floristic publication of New Jersey from 1962-1965. Torrey Bot. Club. Bull. 93(5):352-356. Sept./Oct. 1966. 451 T63B
- 25131 FERAKOVA, V. A contribution to the distribution and karyology of *Iva xanthifolia* Nutt. (Cz) Biologia [Bratislava] 21(8):612-616. 1966. 442.8 B5265
German summary.
- 25132 FLEISCHMANN, C. Contribution to the origin of Japanese *Azalea*. (Ge) Deut. Baumschule 18(5):134-138. May 1, 1966. 80 D486
Hybrids, varieties and nomenclature.
- 25133 FREDSKILD, B. Two new finds of *Sisyrinchium* [groenlandicum] in Greenland. (Da) Bot. Tidsskr. 61(4):291-294, map. 1966. 450 B654
English summary.
- 25134 GANKIN, R. A new species of *Arctostaphylos* from Glenn County, California. Leaf. West. Bot. 10(16):329-331. Nov. 23, 1966. 450 L47
Arctostaphylos rooii.
- 25135 GHOSH, R. B. Karyotype study of somatic chromosomes in *Garuga pinnata* Roxb. as an aid to its discussion in phylogeny. Caryologia 19(2):151-155. Ref. Apr./June 1966. 442.8 C25
- 25136 GOVINDARAJALU, E. The systematic anatomy of South Indian Cyperaceae: *Bulbostylis* Kunth. Linn. Soc. London, J. Bot. 59(379):289-304. Ref. Feb. 1966. 451 L64J
- 25137 HALLECK, D. K., and WIENS, D. Taxonomic status of *Claytonia rosea* and *C. lanceolata* (Portulacaceae). Mo. Bot. Gard. Ann. 53(2): 205-212. Ref. 1966. 451 M69
- 25138 HANSEN, C. *Isotetes echinospora* Durieu and the *Flora Danica* illustrations. Bot. Tidsskr. 62(1):37-42. 1966. 450 B654
Taxonomy.
- 25139 HARDHAM, C. B. Two more diploid segregates of the *Monardella villosa* complex. Leaf. West. Bot. 10(16):320-326. Nov. 23, 1966. 450 L47
- 25140 HARLAN, J. R., and ZOHARY, D. Distribution of wild wheats and barley. Science 153(3740): 1074-1080, map. Ref. Sept. 2, 1966. 470 Sci2

- 25141 HEGNAUER, R. Chemotaxonomie der Pflanzen: eine Übersicht über die Verbreitung und die systematische Bedeutung der Pflanzenstoffe, Band 4, Dicotyledoneae: Daphniphyllaceae—Lythraceae [Chemotaxonomy of plants; a survey of the distribution and the systematic importance of plant compounds. Volume 4, Dicotyledoneae: Daphniphyllaceae—Lythraceae]. Stuttgart, Birkhäuser Verlag Basel, 1966. 551 p. Ref. (Lehrbücher und Monographien aus dem Gebiete der exakten Wissenschaften, Chemische Reihe, v.19) 463.2 H362
- 25142 HOOVER, R. F. Miscellaneous new names for California plants. Leaf. West. Bot. 10(16):337-350. Nov.23,1966. 450 L47
Spermatophyta.
- 25143 HOUK, R. D. An experimental taxonomic study of the Sagittaria subulata complex. Diss. Abstr., Sect. B, 27(4):1048B. Oct.1966. Z5055.U49D53
- 25144 HOWELL, J. T. Concerning two Asiatic elms. Leaf. West. Bot. 10(16):328-329. Nov.23,1966. 450 L47
Ulmus parvifolia and *U. pumila*.
- 25145 HOWELL, J. T. Plantae galapaganae excerptae, Leaf. West. Bot. 10(16):351-352. Nov.23,1966. 450 L47
Text in English.
Includes *Sesuvium eastwoodianum* n. sp.
- 25146 INGRAM, J. Notes on the cultivated Liliaceae. 4. Lachenalia. Baileya 14(3):123-132. Sept. 1966. 80 B15
Taxonomy.
- 25147 JENSEN, N. Atriplex sabulosa found in Zealand. (Da) Bot. Tidsskr. 61(4):304. 1966. 450 B654
- 25148 JOHRI, M. M. The style stigma and pollen tube. II. Some taxa of the Liliaceae and Trilliacae. Phytomorphology 16(1):92-109. Mar. 1966. 450 P566
- 25149 JOVET, P., and BRUNERY, L. Three rare plants in the area of Chateau-Thierry (Aisne). (Fr) Cah. Natur. (n.s.)22(2):46-48. 1966. 410 F432
Cicerbita alpina, *Senecio fuchsii* and *Lathraea squamaria*.
- 25150 KAPOOR, B. M., and BEAUDRY, J. R. Studies on Solidago. VII. The taxonomic status of the taxa Brachychaeta, Brintonia, Chrysoma, Euthamia, Oligoneuron and Petradoria in relation to Solidago. Can. J. Genet. Cytol. 8(3):422-443. Ref. Sept.1966. 443.8 C16
- 25151 KÄPPUS, A. Oenothera oshkensis, a new wild species from the Upper Rhine. (Ge) Z. Vererbungslehre 97(4):370-374. 1966. 442.8 Z34
- 25152 KHOSHOO, T. N. Biosystematics of Sisymbrium irio complex. XII. Distributional pattern. Caryologia 19(2):143-150, map. Ref. Apr./June 1966. 442.8 C25
- 25153 KOSTERMANS, A. J. G. H. Miscellaneous botanical notes. 4. Lauraceae. Reinwardtia 7(2):141-146. Dec.1965. 450 R272
- 25154 LAEGAARD, S. Ranunculus ficaria ssp. fertilis in Denmark. Bot. Tidsskr. 61(4):295-297. Ref. 1966. 450 B654
- 25155 LEENHOUTS, P. W. A new *Strychnos* from Borneo (Loganiaceae). Blumea 14(1):230. 1966. 450 B62
Strychnos mainyayi borneensis.
- 25156 LEVIN, D. A., and SMITH, D. M. Hybridization and evolution in the *Phlox pilosa* complex. Amer. Natur. 100(913):289-302, map. Ref. July/Aug.1966. 470 Am36
Chiefly history of the taxonomy.
- 25157 LEWIS, W. H. Addendum: Schlechter's New Guinea duplicates of *Liparis* (Orchidaceae) at the Missouri Botanical Garden. Mo. Bot. Gard. Ann. 53(2):259-260. 1966. 451 M69
- 25158 LEWIS, W. H. *Claytonia caroliniana* var. *spatulifolia* (Salisbury) Lewis, stat. nov. (Portulacaceae). Mo. Bot. Gard. Ann. 53(2):258-259. 1966. 451 M69
- 25159 LINDENBEIN, W. What is highland bent and what chewing fescue? (Ge) Saatgut-Wirtsch. 18(8):273-274. Aug.1966. 61.8 Sal
Highland bent is a name for *Agrostis tenuis*, and chewing fescue is *Festuca rubra commutata*.
- 25160 MARROQUIN, J. S. Geographical distribution of species of *Mahonia* (Berberidaceae) in North Mexico. (Sp) Southwest. Natur. 11(2):238-244, map. Ref. June 30,1966. 409.6 So8
Mahonia trifoliolata glauca and *M. pinifolia*.
- 25161 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. II. Phytologia 13(7):466-506. Oct.1966. 450 P563
- 25162 MORTON, C. V. A new name for a Mexican grass. Leaf. West. Bot. 10(16):327. Nov.23, 1966. 450 L47
From *Fourniera mexicana* to *Soderstromia mexicana*.
- 25163 NOWICKE, J. W. Pollen morphology and classification of the Pyrolaceae and Monotropaceae. Mo. Bot. Gard. Ann. 53(2):213-219. Ref. 1966. 451 M69
- 25164 OBERMEYER-MAUVE, A. A. A note on two rarely seen minute flowering plants, *Wolffiella denticulata* and *W. welwitschii* (Lemnaceae). S. Afr. J. Sci. 62(8):277-278. Aug.1966. 515 So84
- 25165 OCHOA, C. A new species of wild potato of the polytopic *Cuneolata* series. (Sp) An. Cient. 2(4):391-395. Oct./Dec.1964. 9.8 An1
Solanum anamatophilum Ochoa n. sp.
- 25166 ORNDUFF, R. *Impatiens capensis* in Oregon: native or naturalized? Leaf. West. Bot. 10(16):317-319. Nov.23,1966. 450 L47
- 25167 PARUPS, E. V., and others. A number-taxonomic study of some species of *Trifolium* section *Lupinaster*. Can. J. Bot. 44(9):1177-1182. Ref. Sept.1966. 470 C16C
J. R. Proctor, B. Meredith, and J. M. Gillett, joint authors.
- 25168 PAULEY, S. S., and JOHNSON, A. G. Check list of major North American tree species native in Minnesota. Minn. Forest. Notes 175, 2 p. July 15,1966. 99.8 M662
- 25169 PEDERSEN, A. *Calitriche platycarpa* in Denmark. (Da) Bot. Tidsskr. 61(4):298-303. 1966. 450 B654
English summary.
- 25170 PFEIFER, H. W. Revision of the North and Central American hexandrous species of *Aristolochia* (Aristolochiaceae). Mo. Bot. Gard. Ann. 53(2):115-196, map. Ref. 1966. 451 M69
Includes n. spp. in *Aristolochia*.
- 25171 POLATSCHEK, A. Cytotaxonomic contribution to the flora of the eastern Alps. I. (Ge) Osterr. Bot. Z. 113(1):1-46. Ref. 1966. 450 Os7
Chiefly chromosome numbers in Angiospermaceae.
- 25172 POLATSCHEK, A. Cytotaxonomic contribution to the flora of the eastern Alps. II. (Ge) Osterr. Bot. Z. 113(1):101-147. Ref. 1966. 450 Os7
Spermatophyta.
- 25173 POWELL, A. M., and TSANG, H. S. Preliminary chromatographic studies of *Laphamia* and related genera of Compositae. Southwest. Natur. 11(2):190-195. June 30,1966. 409.6 So8
Taxonomic study, includes *Perityle* and *Pericome*.
- 25174 RAO, R. S., and KAMMATHY, R. V. Notes on Indian Commelinaceae. V. Linn. Soc. London. J. Bot. 59(379):305-308. Feb.1966. 451 L64J
Includes *Amischophacelus* n. g., and *Cyanotis cerifolia* n. sp.
- 25175 RECHINGER, K. H. Contribution to the study of *Rumex*. XVI. Lectotypes for certain North American taxa of *Rumex*. Leaf. West. Bot. 10(16):332-333. Nov.23,1966. 450 L47
- 25176 RESNER, V. The find of *Loiseleuria procumbens* L. Desv. in the High Tatra. (Cz) Biologia [Bratislava] 21(8):617-618. 1966. 442.8 B5265
- 25177 REVEAL, J. L. Notes on *Eriogonum*. I. Leaf. West. Bot. 10(16):334-335. Nov.23,1966. 450 L47
Nomenclature.
- 25178 RIEDL, H. What is *Heliotropium bacciferum* Forsk? (Ge) Osterr. Bot. Z. 113(1):165-167. 1966. 450 Os7
Nomenclature.

- 25179 ROBERTSON, K. R. The genus *Erythronium* (Liliaceae) in Kansas. Mo. Bot. Gard. Ann. 53(2):197-204. Ref. 1966. 451 M69
- 25180 RODIN, R. J. Leaf structure and evolution in American species of *Gnetum*. Phytomorphology 16(1):58-68. Ref. Mar. 1966. 450 P566
Cytotaxonomy.
- 25181 ROEKMOEWATI-HARTONO. A monograph of the genus *Schoutenia* Korth. (Tiliaceae). Reinwardtia 7(2):91-138. Dec. 1965. 450 R272
Includes *Schoutenia kostermansii*, *S. corneri*, and *S. curtisii*, n. spp.
- 25182 ROSSO, S. W. The vegetative anatomy of the Cypripedioideae (Orchidaceae). Linn. Soc. London. J. Bot. 59(379):309-341. Ref. Feb. 1966. 451 L64J
In relation to taxonomy.
- 25183 SAXENA, H. O. *Utricularia arenaria* A.D.C. — a new record for India from Pachmarhi (Madhya Pradesh). Indian Forest. 92(7):493. July 1966. 99.8 In2
- 25184 SCHOTSMAN, H. D. Note on *Callitriche fastettii* Schotsm. nov. spec. (Fr) Acta Bot. Neer. 15(2):477-483. Sept. 1966. 450 Ac822
- 25185 SHOPOVA, M. The nature and behaviour of supernumerary chromosomes in the Rhizirideum group of the genus *Allium*. Chromosoma 19(2):149-158. 1966. 442.8 C46
Cytotaxonomic study.
- 25186 SHOPOVA, M. Studies in the genus *Capsicum*. I. Species differentiation. Chromosoma 19(3):340-348. Ref. 1966. 442.8 C46
Cytotaxonomy.
- 25187 SKVARLA, J. J., and TURNER, B. L. Systematic implications from electron microscopic studies of Compositae pollen. A review. Mo. Bot. Gard. Ann. 53(2):220-244. Ref. 1966. 451 M69
- 25188 SMITH, L. B. Notes on Bromelaceae. XXIV. Phytologia 13(7):454-465. Oct. 1966. 450 P563
Includes n. spp. in *Pitcairnia*, *Gregia*, *Guzmania*, *Aechmea*, *Bromelia*, and *Orthophytum*.
- 25189 SOUKOP, J. Aizoaceae, Portulacaceae and Basellaceae, their genera and list of species. (Sp) Biota 5(44):375-383. Sept. 1965. 442.8 B5293
- 25190 STEINMETZ, E. F. *Parnassia palustris* herba. Acta Phytotherap. 13(7):121-123. July 1966. 450 Ac88
Text in English.
- 25191 TOLMACHEV, A. I. Identification of firs growing on Sakhalin island. 9 p. Ref. (TT 65-51078) Transl. 1621
Translation from Akademiya Nauk SSSR. Botanicheskii Institut imeni V. L. Komarova. Gernarii. Botanicheskie Materialy 16:29-38. 1954. CFSTI: \$1.00.
- 25192 TOMLINSON, P. B. Anatomical data in the classification of Commelinaceae. Linn. Soc. London. J. Bot. 59(380):371-395. Ref. July 1966. 451 L64J
- 25193 TULEY, P., and RUSSEL, T. A. The *Raphia* palms reviewed. Nigerian Field 31(2):54-65. Apr. 1966. 410 N56
- 25194 UNAR, J., and UNAROVA, M. The find of *Luzula slovaca* Smejskal and Vicherek in Liptovský Tatrá Mountains. (Cz) Biologia [Bratislava] 21(7):551. 1966. 442.8 B5265
- 25195 VAN DER MEYDEN, R. Two new mountain plants from eastern New Guinea. Blumea 14(1):245-247. 1966. 450 B62
Ammannia uniflora, n. sp. and *Myriophyllum pedunculatum*.
- 25196 VLIET, D. J. VAN. *Notocactus* and relations. (Du) Succulenta 45(10):148-151. (Cont.) Oct. 1966. 450 Su12
- 25197 WATSON, L., WILLIAMS, W. T., and LANCE, G. N. Angiosperm taxonomy: a comparative study of some novel numerical techniques. Linn. Soc. London. J. Bot. 59(380):491-501. Ref. July 1966. 451 L64J
- 25198 WOODSON, R. E. *Mesechites pilosissima* Woodson (Apocynaceae) new to Peru. Mo. Bot. Gard. Ann. 53(2):260-261. 1966. 451 M69
- 25199 YAKOVLEV, G. P., and YATZENKO-KHMELEVSKII, A. A. The main tree species of Dike-forest (the Republic of Guinea) and the characteristics of their wood. (Rus) Rastitel. Resursy 1(2):206-218. 1965. 450 R18
- 25200 YUNCKER, T. G. *Piper* and *Peperomia* (Piperaceae) new to Panama. Mo. Bot. Gard. Ann. 53(2):261-264. Ref. 1966. 451 M69
Includes n. spp. in *Piper* and *Peperomia*.
- 25201 ZELTNER, L. Some new or unrecognized taxa of the genera of Blackstonia Huds., and Centaureum Hill. (Fr) Soc. Neuchâteloise Sci. Natur. Bull. (ser.3)89:61-73. Ref. 1966. 508 N39
English summary.
Number of chromosomes.

Pteridophytes

- 25202 HOLTUM, R. E. The genera *Lomariopsis*, *Teratophyllum*, and *Lomagramma* in the islands of the Pacific and Australia. Blumea 14(1):215-223. 1966. 450 B62
Includes *Lomagramma tahitensis*, n. sp.
- 25203 HOLTUM, R. E. Two new species of *Lomagramma* from New Guinea. Blumea 14(1):224. 1966. 450 B62
Lomagramma leucocolepis and *L. brassii*.
- 25204 LANG, F. A. A cytotoxic study of the *Polypodium vulgare* complex in northwestern North America. Diss. Abstr., Sect. B, 27(3):703B-704B. Sept. 1966. Z5055,U49D53
- 25205 MILLER, C. N. The evolution of the fern family *Osmundaceae*. Diss. Abstr., Sect. B, 27(2):375B-376B. Aug. 1966. Z5055,U49D53

Bryophytes

- 25206 BARKMAN, J. J. Varieties of *Hypnum cupressiforme* Hedw. in Netherlands. (Du) Buxbaumia 20(1/2):1-6. Sept. 1966. 450 B98
English summary.
- 25207 VETH, J. A. C., and KOOPMANS, A. N. Moss finds on a brick bridge. (Du) Buxbaumia 20(1/2):31-33. Sept. 1966. 450 B98
English summary.
- 25208 ZANTEN, B. O. VAN. *Cynodontium polycarpum* (Hedw.) Schimp.; a new acquisition to the Dutch moss flora. (Du) Buxbaumia 20(1/2):27-28. Sept. 1966. 450 B98
English summary.
- 25209 ZUTTERE, P. DE. The section *Cuspidata* Schlieph. of the genus *Sphagnum* in Belgium. (Fr) Buxbaumia 20(1/2):15-26. Sept. 1966. 450 B98
English summary.

Algae

- 25210 COX, E. R. Taxonomic, morphological, and physiological studies of the algal genus *Stigeoclonium*. Diss. Abstr., Sect. B, 27(2):373B-374B. Aug. 1966. Z5055,U49D53
- 25211 DRUEHL, L. D. On the taxonomy, distribution, and ecology of the brown algal genus *Laminaria* in the Northeast Pacific. Diss. Abstr., Sect. B, 27(3):702B-703B. Sept. 1966. Z5055,U49D53
- 25212 GETTLER, L. The *Chlorococcaceae*, *Dictyochloris* and *Dictyochloropsis* n. g. (Ge) Osterr. Bot. Z. 113(1):155-164. Ref. 1966. 450 Os7
- 25213 KESSLER, E., and CZYGAN, F. C. Physiological and biochemical contributions to the taxonomy of the genus *Chlorella*. II. Study of mutants. (Ge) Arch. Mikrobiol. 54(1):37-45. Ref. 1966. 442.8 Ar26
English summary.
- 25214 LOUIS, A., and OLBRECHTS, M. Floristic and ecological data on the algae of a dystrophic biotope. (Du) Biol. Jaarb. 33:92-155. 1965. 410 B52
Bibliography, p.148-153.
Includes taxonomy.
- 25215 NAIDENOV, V. Distribution and dynamics of zooplankton of the Danube River between 845 and 375 river kilometer. (Bu) Bulg. Akad. Nauk. Zool. Inst. Mus. Izv. 20:5-53. Ref. 1966. 410.9 B872I
German summary.
Includes Diatomaceae.

- 25216 RENOUX-MEUNIER, A. Study of algae vegetation of Cap Saint-Martin (Biarritz). (Fr) Biarritz. Cent. Etud. Rech. Sci. Bull. 5(4):379-557. Ref. 1965. 410.9 B47
- 25217 TAYLOR, S. A. E. Phaeophyta of the eastern Gulf of Mexico. Diss. Abstr., Sect. B, 27(2): 376B-377B. Aug. 1966. Z5055.U49D53
Taxonomy, distribution, and ecology.
- 25218 VAN DEN HOEK, C. Jaoa and Jaosaccion (Chlorophyceae, Ulotrichales). Blumea 14(1): 236. 1966. 450 B62
Nomenclature.
- 25219 VINYARD, W. C. Additions to the algal flora of Oklahoma. Southwest. Natur. 11(2):196-206. June 30, 1966. 409.6 So8
- Fungi (Including Lichens)
- 25220 BHATNAGAR, M. K., and KOTHARI, K. L. A new species of Microsphaera on Hamiltonia suaveolens Roxb. Cur. Sci. 35(14):370. July 20, 1966. 475 Sc123
Microsphaera prasadii n. sp.
- 25221 CEJP, K. The occurrence of some Phyllosticta on ornamental plants and shrubs. II. Ceska Mykol. 20(4):205-214. Oct. 1966. 450 C333
Includes Phyllosticta petrakii n. sp. and Phyllosticta monardicola n. sp.
- 25222 CLARE, B. G. Ampelomyces quisqualis (Clarinobolus cesatii) on Queensland Erysiphaeae. Queensland. Univ. Dep. Bot. Pap. 4 (10/11):145-149. 1964. 442.9 Q33
- 25223 CLARE, B. G. Erysiphaeae of South-Eastern Queensland. Queensland. Univ. Dep. Bot. Pap. 4(10/11):109-144. Ref. 1964. 442.9 Q33
Taxonomy.
- 25224 CORNER, E. J. H. A monograph of canthareloid fungi. London, Oxford University Press, 1966. 255 p. Ref. (Annals of Botany Memoirs, No. 2) QK603.C6
Includes n. spp. in Cantharellus, Gomphus, Leptoglossum, Pseudocaterellus, Trogia, Dichantharellus n. g. and Pterygellus n. g.
- 25225 FEHSE, F. A contribution to the biology of fungus Zoophagus insidians (Sommerstorfii) predaceous on rotifers. (Ge) Hamburg. Naturwiss. Ver. Abhandl. Verhandl. (n.s.) 9:55-59. Ref. 1964. pub. 1965. 509 H173Ab
- 25226 FUNK, A., and PARKER, A. K. Scirrhia pini n. sp., the perfect state of Dothistroma pini Hulbary. Can. J. Bot. 44(9):1171-1176. Ref. Sept. 1966. 470 C16C
Cause of needle blight of pines.
- 25227 GEESTERANUS, R. A. M. On Helvella platypus DC. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(2):191-203. Ref. 1966. 442.9 Am8
- 25228 GRIFFIN, H. D. The genus Ceratocystis in Ontario. Diss. Abstr., Sect. B, 27(4):1047B-1048B. Oct. 1966. Z5055.U49D53
- 25229 HANLIN, R. T. The Basidiomycetes of Georgia. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 257, 36 p. July 1966. 100 G293M
- 25230 HANSEN, L., and LANGE, M. The distribution of the Macromycetes in Europe. Bot. Tidsskr. 62(1):46-49, map. 1966. 450 B654
- 25231 HANUS, L. Amanita verna Bullard ex Fries. (Cz) Mykol. Sb. 43(5/6):81-83. July/Aug. 1966. 450 C27
- 25232 HLAVACEK, and SMOTLACHA. Survey of fungi. (Cz) Mykol. Sb. 43(5/6):71-78. (Cont.) July/Aug. 1966. 450 C27
Taxonomy.
- 25233 KOTLABA, F. Distribution of Leucopaxillus gentianeus (Quel.) comb. nov. in Czechoslovakia and notes on its nomenclature. (Cz) Ceska Mykol. 20(4):229-236, map. Ref. Oct. 1966. 450 C333
English summary.
- 25234 KUNC, K. Clitocybe nebularis var. alba Lange. (Cz) Mykol. Sb. 43(5/6):81. July/Aug. 1966. 450 C27
- 25235 KUPKA, J. The find of Geastrum spp. at Bilina. (Cz) Mykol. Sb. 43(5/6):83-84. July/Aug. 1966. 450 C27
- 25236 KUTHAN, J. Volvariella bombycina Schaeff. ex Fr. Singer, a pit mushroom. (Cz) Mykol. Sb. 43(5/6):65-68. July/Aug. 1966. 450 C27
- 25237 LOHWAG, K. Helvella fastigiata Krbh. (Ge) Forsch. Fortsch. 40(7):193-195. July 1966. 474 F772
Synonym of Neogyromitra carolinia.
- 25238 MORAVEC, J. Geoglossum ophioglossoides L. (Cz) Mykol. Sb. 43(5/6):80-81. July/Aug. 1966. 450 C27
- 25239 MORAVEC, J. Lectia gelatinosa Hill. (Cz) Mykol. Sb. 43(5/6):79-80. July/Aug. 1966. 450 C27
- 25240 NANNENGA-BREMEKAMP, N. E. Notes on Myxomycetes. XI. Some new species of Stemonitis Comatricha, Badhamia, Physarum, Diderma and Didymium. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(3): 350-363. 1966. 442.9 Am8
- 25241 PILAT, A., and USAK, O. Pilz-Taschenatlas (Fungus pocket atlas). Ed. 4. Hanau/M, Dausien, 1966. 117 p. QK617.P5
Includes illustrations and identification of edible and poisonous species.
- 25242 PITT, J. I. Two new species of Chrysosporium. Brit. Mycol. Soc. Trans. 49(3):467-470. Sept. 1966. 451 B76
From Australia.
- 25243 POUZAR, Z. Scytinostroma hemidichophyllum Pouz. spec. nov., a new species of resupinate Hymenomycetes. Ceska Mykol. 20(4):217-220. Oct. 1966. 450 C333
- 25244 RAO, R. A new species of Niesslia from India. Cur. Sci. 35(15):395. Aug. 5, 1966. 475 Sc123
Niesslia muelleri n. sp.
- 25245 SARBHOY, A. K., WILLIAMSON, D., and BHARGAVA, S. N. The genus Paecilomyces from India. Cur. Sci. 35(15):396. Aug. 5, 1966. 475 Sc123
Paecilomyces puntonii and P. roseolus.
- 25246 SAVILE, D. B. O. The rusts of Erigeronum, Chorizanthe, and Oxypetala. Can. J. Bot. 44(9): 1151-1170, map. Ref. Sept. 1966. 470 C16C
Includes Uromyces bisbyi n. sp.
- 25247 SCARR, M. P., and ROSE, D. Study of osmophilic yeasts producing invertase. J. Gen. Microbiol. 45(1):9-16. Ref. Oct. 1966. 448.3 J823
New sp. in Torulopsis.
- 25248 SEBEK, S. Amanita echinocephala Vitt. Quel. found in the area of the central Elbe River. (Cz) Ceska Mykol. 20(4):237-241. Oct. 1966. 450 C333
German summary.
- 25249 SHOME, S. K., and MUSTAFEE, T. P. Alternaria tagetes sp. nov. causing blight of marigold (Tagetes sp.). Cur. Sci. 35(14):370-371. July 20, 1966. 475 Sc123
- 25250 SINGH, R. D., PRASAD, N., and MATHUR, R. L. On the taxonomy of the fungus causing anthracnose of Dioscorea alata L. Indian Phytopathol. 19(1):65-71. Ref. Mar. 1966. 464.8 In2
Caused by Colletotrichum.
- 25251 SUBRAMANIAN, C. V., and JAIN, B. L. A revision of some graminicolous Helminthosporia. Cur. Sci. 35(14):352-355. Ref. July 20, 1966. 475 Sc123
- 25252 SUKAPURE, R. S., and THIRUMALACHAR, M. J. Studies of Cephalosporium species from India. II. Torrey Bot. Club. Bull. 93(5):305-311. Sept./Oct. 1966. 451 T63B
Includes Cephalosporium candidum and Cephalosporium purpurascens n. spp.
- 25253 SVRCEK, M. Verpatinia calthicola Whetzel found in Czechoslovakia. (Cz) Ceska Mykol. 20(4):226-228. Oct. 1966. 450 C333
German summary.
- 25254 THIRUMALACHAR, M. J. Conspectus of our knowledge in the genera of Ustilaginales. Indian Phytopathol. 19(1):3-13. Ref. Mar. 1966. 464.8 In2
Review of the literature.
- 25255 WICHANSKY, E. Amanita strobiliformis (Vitt.) Quel. (Cz) Mykol. Sb. 43(5/6):81. July/Aug. 1966. 450 C27

- 25256 WICHANSKY, E. *Coprinus patouillardi* and *Galactinia cerea* (Sow. ex Fr.) Sveck. (Cz) Mykol. Sb. 43(5/6):70. July/Aug. 1966. 450 C27
- 25257 WICHANSKY, E. *Lepiota areolata* Wich. n. sp. (Cz) Mykol. Sb. 43(5/6):68-69. July/Aug. 1966. 450 C27
- 25258 WICHANSKY, E. *Russula heterophylla* Fr. var. *virginica* Cke Mass., *Coprinus niveus* (Pers. ex Fr.) Fr. and *Coprinus hiascens* (Fr.) Quel. (Cz) Mykol. Sb. 43(5/6):69. July/Aug. 1966. 450 C27
- 25259 WILLIAMS, O. C. A comparative study of the filamentous yeast genus *Endomycopsis*. Diss. Abstr., Sect. B, 27(3):708B-709B. Sept. 1966. Z5055.U49D53
- Weeds - Biology
- 25260 BANTING, J. D. Factors affecting the persistence of *Avena fatua*. Can. J. Plant Sci. 46(5): 469-478. Ref. Sept. 1966. 450 C16
Seed dormancy study.
- 25261 BLYDENSTEIN, J. Study of the effect of cutting at different intervals on the development of *Paspalum fasciculatum*. (Sp) Turrialba 16(3):217-220. July/Sept. 1966. 8 T86
English summary.
Weed.
- 25262 CALVIN, C. L. On the anatomy of the mistletoe (*Phoradendron flavescens*). Diss. Abstr., Sect. B, 27(3):701B. Sept. 1966. Z5055.U49D53
- 25263 HILLMAN, W. S. Photoperiodism in *Lemna*; reversal of night-interruption depends on color of the main photoperiod. Science 154(3754): 1360-1362. Dec. 9, 1966. 470 Sc12
Lemna perpusilla.
- 25264 HULL, R. J. Studies on the physiology of mistletoe parasitism (*Arceuthobium* and *Phoradendron*). Diss. Abstr., Sect. B, 27(2):374B-375B. Aug. 1966. Z5055.U49D53
- 25265 KUHNEL, W. Ecological study of the occurrence of wild oats in the Odenwald region. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst 19(6):145-149. 1965. 464.9 N11
English summary.
- 25266 MARKS, G. C. *Polygonum cuspidatum* and introduced weed in Porter county. Ind. Acad. Sci. Proc. 75:233-234. 1965, pub. 1966. 500 In2
- 25267 MIKKELSEN, V. M., and LAURSEN, F. Field weeds in Denmark in the beginning of the 1960s. (Da) Bot. Tidsskr. 62(1):1-26. 1966. 450 B654
English summary.
- 25268 RUBTZOFF, P. A new *Cuscuta* from California. Leaf. West. Bot. 10(16):335-337. Nov. 23, 1966. 450 L47
Cuscuta howelliana.
- 25269 SUBRAMANIAN, S. S., and NAIR, A. G. R. Occurrence of mangiferin in *Cuscuta reflexa* growing on *Mangifera indica*. Indian J. Chem. 4(7):335-336. July 1966. 385 In294
- 25270 WUTHENOW, K., and SCHWAR, C. Study on the dissemination of weeds from straw stacks and waste land into the neighboring cultivated fields. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 19(5):117-124. 1965. 464.9 N11
English summary.
- Weed Control
- 25271 GREEN, J. R., and WHITTET, J. N. Laws designed to stop the spread of weeds. Agr. Gaz. New S. Wales 77(7):399-403. July 1966. 23 N472
- 25272 KOZACHKOV, L. I. Analysis of sugar manufacturing waste. (Rus) Zemledelie 9:65-66. Sept. 1966. 20 Z44
For content of weed seeds; intended to be used as liming material.
- 25273 LUX, H. Effective marsh horsetail [*Equisetum palustre*] control in sight? (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 122:3-6. Nov. 15, 1964. 281.8 B462
Grassland pest.
- 25274 MASRUR, A. Mesquite and some methods of its control. Pakistan J. Forest. 16(3):238-250. July 1966. 99.8 P17
- 25275 METZ, R. The bog horsetail (*Equisetum palustre* L.) and its control on tilled land. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):311-317. Ref. 1966. 509 B453
English summary.
Weed control of forage plants.
- 25276 SMITH, R. J., and SHAW, W. C. Weeds in rice and how to control them. II. Water, fertilizers, and cultivation. World Farming 8(9):16-18, 45. Sept. 1966. 30.08 W89
In combination with several herbicides.
- 25277 SOUTHERN WEED CONFERENCE, 19th, 1966. Research report prepared for the nineteenth annual meeting, January 1966. n.p., 1966. 250 p. 79.9 S08
A summary of weed control and herbicide research.
- Weed Control - Chemical
- 25278 ALLEY, H. P., and others. Weed control in sugar beets (1965 progress report). Wyo. Agr. Exp. Sta. Mimeogr. Circ. 207R, 34 p. Dec. 1965. 100 W99M
G. A. Lee, G. L. Costel, C. F. Becker, and A. Gale, joint authors.
Chemical control.
- 25279 BADEA, I., and NICOLAESCU, N. Effectiveness of the herbicide Stam F-34 in the weed control of rice culture. (Rum) Rev. Gosp. Agr. Stat 18(6):14-17. June 1966. 21 R32
- 25280 BOUGARD, M. Chemical equipment. (Fr) Soc. Roy. Forest. Belg. Bull. 73(6,sup.):9-15. June 1966. 99.9 B83
Equipment for the spraying of herbicides in forest weed control.
- 25281 BUCHANAN, G. A. Weeds in peanuts controlled by herbicides. Highlights Agr. Res. [Ala. Sta.] 13(4):4. Winter 1966. 100 ALIH
- 25282 DANDA, K. New ways of weed control in forest cultures. (Ge) Allg. Forstzeitung 77(9): 192-195. Sept. 1966. 99.8 AL53
With gramoxone, reglone and downpon.
- 25283 DAY, H. M. Eptam—a new herbicide for ornamentals. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:147. 1966. 307.9 C42
- 25284 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Chemical control of weeds of roses. (Da) Tidsskr. Planteavl 70(3):417-420. 1966. 11 T439
- 25285 DIMITROV, S. Results from herbicidal tests with potatoes. (Bu) Rasteniuvudni Nauk. 2(6): 129-138. Ref. 1965. 64.8 R18
English summary.
Chiefly effects on potatoes.
- 25286 ERNER, L. The decomposition of Patoran in soils. (Ge) Kartoffelbau 17(6):183-184. June 1966. 75.8 K145
Residual effectiveness.
- 25287 EDDOWES, M. Chemical weed control in potatoes. J. Agr. Sci. [London] 67(2):239-242. Oct. 1966. 10 J822
- 25288 FEYRABEND, C. Desherbants chimiques des cultures fourragères; toxicité, mode d'action et utilisation [Chemical herbicides for forage crops—toxicity—mode of action and utilization]. Alfort. Ecole Nat. Vet. These 55, 75 p. Ref. 1965. 41.2 AL23
- 25289 FRIDRIHSONS, E., and others. Selectivity of the effect of herbicide phenazone [1-phenyl-4-amino-5-chloro-pyridazine-6] on weeds and cultural plants. (Rus) Latv. PSR Zinat. Akad. Vestis 11:85-92. 1965. 511 R442
E. Petersons, A. Spolitis, O. Romanovskaya, and O. Straume, joint authors.
English summary.

- 25290 GRANSTROM, B. Weeds in specialty crops. (Sw) Svensk Frotidn. 35(4):61-62. Apr. 15, 1966. 61,8 Sv2
Chemical weed control.
- 25291 HACK, H., GROSSMANN, F. K., and EUE, L. Chemical weed control in potatoes with new herbicides. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:195-198. 1965. 464,8 Z33
English summary.
N-3-(4-dichlorophenyl)-O-N-trimethylisourea (Bayer 5395) and 1-phenyl-3-methyl-5-allyl-hexahydrotriazinone-2 (Bayer 5398).
- 25292 HATTINGH, I. D. Weeds in maize, know them to combat them. Farming S. Afr. 42(5):35,37, 39,41. Aug. 1966. 24 So842
Chiefly chemical control.
- 25293 JAMES, B. L. Weed control in ornamentals. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:144-146. 1966. 307,9 C42
Chiefly with Herban.
- 25294 JOJIMA, T., and TAMURA, S. Syntheses and herbicidal activities of phenoxypyrimidines and phenoxytiazines. Agr. Biol. Chem. 30(9): 896-905. Ref. Sept. 1966. 385 Ag8B
- 25295 KAR, K., and SINGH, R. P. The use of Eptam and Tillam as weedkillers in sugarcane fields. Indian Sugar [Calcutta] 16(3):257-261. June 1966. 65,8 In26
- 25296 KARNATZ, H. On the effect of some herbicides on the growth and yield of apple trees. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:149-155. 1965. 464,8 Z33
English summary.
- 25297 KARNATZ, H. Results of the research in the field of chemical weed control in 1965. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(2): 43-49. Feb. 1966. 85 J76
Fruit.
- 25298 KAY, B. L. Paraquat for range seeding without cultivation, a progress report. Calif. Agr. 20(10):2-4. Oct. 1966. 100 C12Cag
- 25299 KEARL, W. G. A survey of big sagebrush-control in Wyoming, 1952-1964. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 217, 42 p., map. Ref. Nov. 1965. 100 W99M
Chemical control.
- 25300 KISPATIC, J. Weed control in sugar beet stands. (Se) Biljna Zastita 10(2/3):37-40. Feb./Mar. 1966. 464,8 B49
With pyrimin.
- 25301 KOULA, V. Determination of the secondary effects of aerosols containing butylester of 2-methyl-4-chlorophenoxyacetic acid [MCPA] on the technological value of flax stems. (Cz) Sb. UVTI (Ustav Vedeckotech. Inform.) Ochrana Rostlin 2(2):151-158. May 1966. 464,8 Sb5
English summary.
- 25302 KRÜGER, H., and ERFURT, G. Greenhouse and field tests of the control of wild oats with trichloroacetaldehyde hydrate as compared to TCA sodium salt. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.) 19(5):124-127. 1965. 464,9 N11
English summary.
- 25303 LEE, W. O. Effect of annual applications of diuron on seed yields of perennial grasses in Oregon. U. S. D. A. Tech. Bull. 1358, 23 p. July 1966. 1 Ag84Te
Oregon Agricultural Experiment Station, co-operating.
Weed control.
- 25304 LEIDERMAN, L., SANTOS, C. A. L., DOS, and SILVEIRA, R. I. Application of herbicides in cotton stands in three areas of the Sao Paulo state. (Por) Biologico 31(8):168-175. Ref. Aug. 1965. 442,8 B529
English summary.
- 25305 LEIDERMAN, L., and others. Control of noxious weeds of cotton with trifluralin and diuron compounds in four places of Sao Paulo. (Por) Biologico 32(7):158-163. July 1966. 442,8 B529
C. A. L. dos Santos, P. Figueiredo, and R. I. Silveira, joint authors.
- 25306 LEONARDI, M. Possibilities of using herbicides in vineyards. (Sl) Soc. Kmetijstvo Gozdarstvo 16(18):456-457. Dec. 1965. 21,5 So14
- 25307 LIPECKI, J. The effect of applying herbicides on a plantation of black currants. (Pol) Roczn. Nauk Roln. 91-A-3:641-658. Ref. 1966. 20,5 R59
English summary.
- 25308 LONG, J. D., and MATTHEWS, W. A. Herbicide use in sweet potato production. Del. Board Agr. Bull. 55(5):7-12. 1965. 2 D37B
- 25309 LUTZ, P. Using herbicides in potato growing. (Ge) Kartoffelbau 17(5):159-160. May 1966. 75,8 K145
Aresin.
- 25310 MAES, E., and STRYCKERS, J. The possible influence of herbicides on the baking quality of wheat. (Ge) Getreide Mehl 16(8):81-83. Aug. 1966. 298,8 G332
- 25311 MAKEEVA-GUR'YANOVA, L. T., and CHKANIKOV, D. I. Conduct of herbicides-derivatives of phenylidimethylurea in plants. (Rus) Agrokhiimiya 9:103-108. Ref. Sept. 1965. 385 Ag89
Fenuron, monuron and diuron in peas.
- 25312 MAXWELL, J. W. AZAK—a new crabgrass herbicide. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:146. 1966. 307,9 C42
- 25313 MEISSNER, R. Chemical weedkillers, uses and applications. Farming S. Afr. 42(5):29,31, 33,45. Aug. 1966. 24 So842
- 25314 MITCHELL, E. W. Why custom spraying is profitable. Feed Farm Supplier 40(11):32-34. Nov. 1966. 47,8 H28
Weed control.
- 25315 MONTEJARO, J., and MARVEL, M. E. Chemical weed control for Florida vegetable crops. Fla. Univ. Ext. Circ. 196B, 16 p. June 1966. 275,29 F66C
Published jointly with Florida Agricultural Experiment Stations.
- 25316 MÜLLER, E. W. Actual plant protection. (Ge) Obstbau [Berlin] 6(4):62-63. Apr. 1966. 80 Ob79
Chemical fruit weed control.
- 25317 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. Bericht over onkruidbestrijdingsmiddelen [Report on herbicides]. Neth. Plantenziektenkundige Dienst. Ber. 1672, 43 p. June 29, 1966. 464,9 N38
- 25318 NETHERLANDS, PLANTENZIEKTENKUNDIGE DIENST. Chemische onkruidbestrijding in de stoppel [Chemical control of weeds in stubble]. Neth. Plantenziektenkundige Dienst. Ber. 1673, 4 p. July 15, 1966. 464,9 N38
- 25319 NEUMANN, G. Experiences with maleic hydrazide (MH 30) as a growth inhibitor of vegetation on roadsides. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:351-355. 1965. 464,8 Z33
English summary.
- 25320 NISHIO, T., and ISHIWAKI, I. The effect of PCP on tiller production and the control of weeds in rice sown directly and without irrigation. 9 p. Transl. 15081
Translation from Chugoku Agricultural Research 24:40-42. n.d.
- 25321 NOVAKOVA, V. New herbicide for forage cabbage. (Cz) Za Vysokou Urodu 14(7):251. July 1966. 64,8 Z12
Semeron.
- 25322 ORTH, H. Experiences with herbicides in the culture of Brassica crops. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:305-307. 1965. 464,8 Z33
English summary.
Vegadex, Semeron, and Ramrod.
- 25323 PATZOLD, C. Effects of chemical weed control on weeds and on potatoes in potato stands in various sites. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:189-193. 1965. 464,8 Z33
English summary.
- 25324 PULLMAN, L., and VANEK, G. Atlas burin a ich nicenie [Tables of weeds and their control]. [Bratislava] Slovenske Vydavateľstvo Podhodopodarskej Literatúry, 1966. 247 p. Ref. SB613.C95P8
With herbicides.

- 25325 RATAJ, K. The effect of herbicide A1114 on the flax. (Cz) Len Konopi 5:33-39. 1965. 73.8 L543
English summary.
- 25326 RATAJ, K. Metachloral in the control of couch grass in flax stands. (Cz) Len Konopi 5:183-195. 1965. 73.8 L543
English summary.
- 25327 ROGERS, B. L. Some short- and long-term effects of herbicides around newly-planted and mature peach and apple trees. Del. Board Agr. Bull. 55(5):56-62. 1965. 2 D37B
- 25328 SAJO, Z. Chemical weed control experiments with DPA in rice. (Hu) Kiserletugyi Közlemenyek 58/A(1):27-45. Ref. 1965, pub. 1966. 105.9 H89
English summary.
- 25329 SANCHEZ E., O., NARANJO H., N., and GOMEZ A., R. Comparative test with 6 herbicides in pre-emergence use on sugarcane. (Sp) Agr. Trop. 22(5):263-266. May 1966. 26 Ag8
Colombia.
- 25330 SCHNEIDER, G., and FLEMMING, H. Aniten, a new broad spectrum grain herbicide. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:231-239. 1965. 464.8 Z33
English summary.
Aniten, a mixture of Flurenol plus MCPA.
- 25331 SCHOLL, S. Experimental herbicide 634, a new herbicide for selective weed control in sugar beets. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:199-206. 1965. 464.8 Z33
English summary.
3-Cyclohexyl-5, 6-trimethyleureacil (Duponit).
- 25332 SCHULZ, K. L., FIELDS, R. W., and CROWL, R. N. Weed control in turf with Banvel D (dicamba). CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:141-143. 1966. 307.9 C42
- 25333 SCHWAR, C., WUTHENOW, K., and FEYERBEND, G. Study of the dissemination of weeds from silage clamps, compost pits and manure heaps onto the neighboring field crops stands as well as the possibility of their control with herbicides. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)19(4):89-96. Ref. 1965. 464.9 N11
English summary.
- 25334 SEIWERTH, V. Factors affecting the effectiveness of herbicides used in the pre-emergence cases, through the soil. (Se) Biljna Zastita 10 (2/3):40-46. Feb./Mar.1966. 464.8 B49
- 25335 SMITH, R. J., and SHAW, W. C. Weeds in rice and how to control them. World Farming 8(8):20-22, 52, 60-61. Ref. Aug. 1966. 30.06 W89
Chemically and culturally.
- 25336 SNEVA, F. A., and HYDER, D. N. Control of big sagebrush associated with bitterbrush in ponderosa pine. J. Forest. 64(10):677-680. Oct. 1966. 99.8 P768
With 2,4-D.
- 25337 STAUD, J. The effect of zeapron on the growth of flax and its technologic features. (Cz) Len Konopi 5:75-92. 1965. 73.8 L543
English summary.
- 25338 UELIN, R. L. Selective weed control. (Bu) Sel-skostopanska Nauk. 5(2):15-26. Ref. 1966. 21 Se492
- 25339 WILCOX, M. Separation of derivatives of 3,6-dichloro-o-anisic and 3,6-dichlorosalicylic acids and their acetic homologs by gas chromatography. Anal. Biochem. 16(2):253-259. Ref. Aug. 1966. 381 An13
Includes chemistry of dicamba.
- 25340 WURZER, B. Chemical weed control and reduced soil cultivation on potatoes in 1964-1965. (Ge) Kartoffelbau 17(5):156-158. Ref. May 1966. 75.8 K145
Camparol used.
- 25341 ZAYTSEV, V. S. Effectiveness of the use of herbicides in corn plantings under the conditions of Azerbaidzan. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:12-19. (JPRS 27,230; TT 64-51485) 173 J663Uc
Simazine, atrazine, 2,4-D.
Translation from Khimiya v Sel'skom Khozyaistve 8:35-37. 1964.
Issued by CFSTI.
- 25342 ZEMANEK, J., and MYDLLOVA, E. Study of the tolerance of some varieties of barley and wheat to the herbicide triallate under laboratory conditions. (Cz) Sb. UVITI (Ustav Vedec-kotech, Inform.) Ochrana Rostlin 2(2):99-106. Ref. May 1966. 464.8 Sb5
English summary.
- 25343 ZWEEP, W. VAN DER. Laboratory tests on the interaction between ammonium thiocyanate, i.e., N⁶-benzyladenine and amitrol. (Ge) Z. Pflanzenkrankh. (Pflanzenpathol.) Pflanzenschutz. Sonderheft 3:123-127. Ref. 1965. 464.8 Z33
English summary.
Tested on Agropyron repens.

SOILS AND FERTILIZERS

SOIL SCIENCE

- 25344 IONESCU-SISESTI, G. Culegere din lucrările stiintifice [Collection of scientific works]. Bucuresti, Editura Academiei Republicii Socialiste Romania, 1966. 618 p. Ref. S469.R8155
Research of soils, including types, fertility and erosion.
- 25345 MUCKENHAUSEN, E. Soil science in the Federal Republic Germany. (Rum) Stint. Solului 4(2):12-21. 1966. 56.8 St5
- 25346 SILLANPAA, M. Some problems of soil science and agrochemistry research in Finland. (Hu) Agrokem. Talajtan 15(1):171-180. Jan.1966. 385 Ag83
- 25347 SOIL AND CROP SCIENCE SOCIETY OF FLORIDA. Proceedings; twenty-fifth annual meeting, Jacksonville, Florida, October 19, 20 and 21, 1965. n.p., 1966. 436 p.,map. Ref. 56.9 So32
- 25348 SZEGI, J., and KLIMES-SZMIK, A. The status of soil science and agrochemistry research in Cuba. (Hu) Agrokem. Talajtan 15(1):153-156. Jan.1966. 385 Ag83
- 25349 VLADYCHENSKI, S. A. On education of soil science personnel. (Rus) Pochvovedenie 10:85-86. Oct.1966. 57.8 P34
English summary.
- Soil Physics**
- 25350 AYLMOORE, L. A. G., and QUIRK, J. P. Adsorption of water and electrolyte solutions by kaolin clay systems. Soil Sci. 102(5):339-345. Ref. Nov.1966. 56.8 So3
- 25351 BENZ, L. C., and others. Soil water translocation in a high water table area. Amer. Soc. Agr. Eng. Pap. 226,24 p. Ref. 1966. 290.9 Am32P
W. O. Willis, F. M. Sandoval, and R. H. Mickelson, joint authors.
Study of soil water, water table, and soil temperature in a saline soil area.
- 25352 BOTZAN, M., CANARACHE, A., and BALLY, R. J. Current trends in the scientific research of soils. (Rum) Stint. Solului 4(2):4-11. 1966. 56.8 St5
Chiefly in soil physics, chemistry and biology.
- 25353 CARDER, A. C., and HENNIG, A. M. F. Soil moisture regimes under summerfallow, wheat and red fescue in the upper Peace River region. Agr. Meteorol. 3(5/6):311-331. Ref. Aug.1966. 340.8 Ag8
- 25354 CEA CAMPO, R. A. How to take soil samples. (Sp) Credito Rural 2(2):152-12. Feb.1965. 264.28 C863
- 25355 CHANCELLOR, W. J. Combined hypotheses for anticipating soil strains beneath surface impressions. Amer. Soc. Agr. Eng. Pap. 146,23 p. Ref. 1966. 290.9 Am32P
Studies in connection with avoiding soil compaction.
- 25356 CHRISTENSON, D. R., and FERGUSON, H. The effect of interactions of salts and clays on unsaturated water flow. Soil Sci. Soc. Amer. Proc. 30(5):549-553. Ref. Sept./Oct.1966. 56.9 So3
- 25357 COHEN, O. P., and TADMOR, N. H. A comparison of neutron moderation and gravimetric sampling for soil-moisture determination with emphasis on the cost factor. Agr. Meteorol. 3(1/2):97-102. Feb.1966. 340.8 Ag8
- 25358 COOPER, A. W., and GILL, W. R. Characterization of soil related to compaction. Grundforbattering 19(1):77-88. Ref. 1966. 54.8 G92
- 25359 CUCUTA, A. Variations in physical and chemical properties of heavily leached pseudo Rendzina soils in relation to their utilization. (Rum) Stint. Solului 3(4):397-407. 1965. 56.8 St5
English summary.
- 25360 DEBANO, L. F. The effect of hydrophobic substances on soil moisture movement in burned brushland soils. Diss. Abstr., Sect. B, 27 (3):649B-650B. Sept.1966. Z5055.U49D53
California.
- 25361 DE-HEER-AMISSAH, A. N. Energy budget over an inland watershed. Diss. Abstr., Sect. B, 27(4):1242B. Oct.1966. Z5055.U49D53
Radiation and evapotranspiration.
- 25362 DIAMOND, R. B., and FISKELE, J. G. A. Amendment of sandy soil with a phosphatic clay. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:190-202. 1965,pub.1966. 56.9 So32
Effects of soft rock phosphate on physical and chemical properties and leaching of soils.
- 25363 DIXON, R. M. Water infiltration responses to soil management practices. Diss. Abstr., Sect. B, 27(4):1011B-1012B. Oct.1966. Z5055.U49D53
- 25364 DOUGLASS, J. E. Volumetric calibration of neutron moisture probes. Soil Sci. Soc. Amer. Proc. 30(5):541-544. Ref. Sept./Oct.1966. 56.9 So3
- 25365 FARRELL, D. A., GREACEN, E. L., and GURR, C. G. Vapor transfer in soil due to air turbulence. Soil Sci. 102(5):305-313. Ref. Nov.1966. 56.8 So3
- 25366 GAL'DIN, G. B. Water-physical constants of leached Chernozems in Penza Region. (Rus) Pochvovedenie 10:35-45. Ref. Oct.1966. 57.8 P34
English summary.
- 25367 GALLO, S., and POP, V. Equipment for the separation of undecomposed organic matter from soil samples. (Rum) Stint. Solului 4(2):22-24. 1966. 56.8 St5
English summary.
- 25368 GRIFFIN, D. M. Soil water terminology in mycology and plant pathology. Brit. Mycol. Soc. Trans. 49(3):367-368. Sept.1966. 451 B76
- 25369 HANKS, R. J. Evapotranspiration measurements under dryland conditions. Amer. Soc. Agr. Eng. Pap. 231,21 p. 1966. 290.9 Am32P
- 25370 HARRIS, R. F., CHESTERS, G., and ALLEN, O. N. Dynamics of soil aggregation. Advances Agron. 18:107-169. 1966. 30 Ad9
Review of the literature.
- 25371 JAMES, P. E., and WILKINS, D. E. Determining soil mixing with radioactivity. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):372-373. 1966. 290.9 Am32T
Tracing of soil movements during field operations.
- 25372 KECECIOGLU, G. On the shearing strength of arable soils. (Ge) Grundforbattering 19(1):105-109. 1966. 54.8 G92
- 25373 KEMPER, W. D., and ROLLINS, J. B. Osmotic efficiency coefficients across compacted clays. Soil. Sci. Soc. Amer. Proc. 30(5):529-534. Ref. Sept./Oct.1966. 56.9 So3
- 25374 KNOBEL, P. C. Soils tests computer programs U. S. Bur. Reclam. Water Resources Tech. Publ. Res. Rep. 3,144 p. 1966. 156.84 W29
Physical properties.
- 25375 KONONOV, K. E. Ecological conditions of meadows of Lena River flood-plain in southwestern Yakutia (water regime of soils). (Rus) Leningrad. Univ. Vestnik Ser. Geol. Geogr. 2:73-82. Ref. 1966. 403 L54
English summary.
- 25376 KUIPERS, H., OUWERKERK, C. VAN, and POESSE, G. J. The characterization of soil structure changes produced by tillage operations. Grundforbattering 19(1):59-75. Ref. 1966. 54.8 G92
- 25377 LUPINOVICH, I. S., and AFANAS'EV, N. I. Permeability of water-logged soils in Belorussian SSR. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 10(8):590-594. Aug.1966. 511 M663D
- 25378 LUPPI, G. Employment possibilities of the methods for determining soil moisture in the field. (It) Irrigazione 13(2/3):2-12. June/Sept.1966. 55.8 Ir733
English summary.
- 25379 LVOVICH, M. I. Water balance and soil cover. (Rus) Pochvovedenie 9:43-55, map. Ref. Sept.1966. 57.8 P34
English summary.

- 25380 MACK, A. R., and BRACH, E. J. Soil moisture measurement with ultrasonic energy. *Soil Sci. Soc. Amer. Proc.* 30(5):544-548. Sept./Oct. 1966. 56.9 So3
- 25381 MILLER, W. F. Volume changes in bulk density samples. *Soil Sci.* 102(5):300-304. Nov. 1966. 56.8 So3
- 25382 MITCHELL, P. K. Field measurements of potential evapotranspiration in Malta. *Agr. Meteorol.* 3(3/4):247-255. Ref. May 1966. 340.8 Ag8
- 25383 PERSSON, S. P. E., and CHANG, B. S. Viscous properties of a slippery soil surface. *Amer. Soc. Agr. Eng. Pap.* 145,11 p. 1966. 290.9 Am32P
- 25384 PETRASOVITS, I. Application of methods for soil moisture determination and for agroradiology in France. (Hu) *Agrokem. Talajtan* 15(1):169-170. Jan.1966. 385 Ag83
- 25385 PIERCE, L. T. A method for estimating soil moisture under corn, meadow, and wheat. *Ohio Agr. Res. Develop. Center. Res. Bull.* 988,18 p.,map. Ref. Sept.1966. 100 Oh38
- 25386 PREOBRAZHENSKI, K. I. Effect of tillage on water and the aeration regime in soils. (Rus) *Zemledelie* 9:17-19. Sept.1966. 20 Z44
- 25387 RAWLINS, S. L. Theory for thermocouple psychrometers used to measure water potential in soil and plant samples. *Agr. Meteorol.* 3(5/6):293-310. Ref. Aug.1966. 340.8 Ag8
- 25388 REPLOGLE, J. A. Rapid mechanical, low-pressure measurements in liquid flows. *Amer. Soc. Agr. Eng. Pap.* 310,11 p. 1966. 290.9 Am32P
Use of manometer for water flow.
- 25389 RUMER, R. R. Sea water intrusion. *Amer. Soc. Agr. Eng. Pap.* 202,14 p. 1966. 290.9 Am32P
- 25390 RUSU, L. Equipment for the determination of soil cohesion. (Rum) *Stint. Solului* 3(4):364-368. 1965. 56.8 St5
English summary.
- 25391 SALAZANOV, V. V. Dynamics of soil thawing. (Rus) *Meteorol. Gidrol.* 6:40-44. Ref. June 1966. 345 M56
- 25392 SCHAFFER, G., and COLLINS, H. J. A method of measuring the infiltration in fields. (Ge) *Z. Kulturtech. Flurbereinigung* 7(4):193-199. Ref. July/Aug.1966. S605.A124
English summary.
- 25393 SINGHAL, J. P., and MALIK, W. M. Electrometric studies on the permeability characteristic of moulded "Aki" bentonite membranes. (Hu) *Agrokem. Talajtan* 15(1):61-66. Jan.1966. 385 Ag83
English summary.
In relation to soil research.
- 25394 STAPLE, W. J. Infiltration and redistribution of water in vertical columns of loam soil. *Soil Sci. Soc. Amer. Proc.* 30(5):553-558. Ref. Sept./Oct.1966. 56.9 So3
- 25395 STEINHARDT, R., and HILLEL, D. A portable low-intensity rain simulator for field and laboratory use. *Soil Sci. Soc. Amer. Proc.* 30(5):661-663. Ref. Sept./Oct.1966. 56.9 So3
For infiltration-runoff tests.
- 25396 SWARTZENDRUBER, D. Soil-water behavior as described by transport coefficients and functions. *Advances Agron.* 18:327-370. 1966. 30 Ad9
Review of the literature.
- 25397 TAIMURAZOVA, L. KH. The electron-microscopic study of aggregation of some minerals and soils under interrelation with polymers. (Rus) *Moscow. Univ. Vestnik. Ser. 6. Biol.* Pochvoved. 1:121-126. Ref. Jan./Feb.1966. 442.9 M854
- 25398 TAYLOR, J. H. An annular shear device. *Amer. Soc. Agr. Eng. Pap.* 307,7 p. 1966. 290.9 Am32P
For testing soil properties as affected by tillage equipment.
- 25399 THOMAS, F. H. Subsidence of peat and muck soils in Florida and other parts of the United States—a review. *Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:*153-160. Ref. 1965, pub.1966. 56.9 So32
- 25400 VUCIC, N. Determination of pF value and formation of pF curves. (Se) *Agrohemijska* 12:695-700. 1965. 385 Ag87
- 25401 WIJK, W. R. VAN, and DERKSEN, W. J. Thermal properties of soil near the surface. *Agr. Meteorol.* 3(5/6):333-342. Aug.1966. 340.8 Ag8
- 25402 WILLIAMS, W. A. Management of nonleguminous green manures and crop residues to improve the infiltration rate of an irrigated soil. *Soil Sci. Soc. Amer. Proc.* 30(5):631-634. Sept./Oct.1966. 56.9 So3
- 25403 YANOVSKI, D. M. Precipitation, accumulation and storage of the soil moisture. (Rus) *Zemledelie* 9:14-16. Sept.1966. 20 Z44

Soil Chemistry and Mineralogy

- 25404 ABRISQUETA, C., and LAX, A. Study of interference from BaCl₂ and triethanolamine on sodium determination by flame photometry in soils extracts. (Sp) *An. Edafol. Agrobiol.* 25(1/2):31-44. Ref. Jan./Feb.1966. 506 Sp12
English summary.
- 25405 AGAEV, N. A. Content of free copper in the basic types of soils in the Zakataly District. (Rus) *Akad. Nauk Azerb. SSR. Dokl.* 22(6):58-61, map. 1966. 511 Ak147D
- 25406 AHLRICHS, J. L., and others. Infrared spectroscopy of clay mineral systems. *Ind. Acad. Sci. Proc.* 75:247-255. 1965, pub.1966. 500 In2
J. R. Russell, R. D. Harter, and R. A. Weismiller, joint authors.
- 25407 AHLRICHS, L. E. Ammonium fixation and release on some Minnesota soils. *Diss. Abstr.*, Sect. B, 27(3):661B. Sept.1966. Z5055.U49D53
- 25408 AKSOY, N. Influence of moisture and aeration on the levels of extractable manganese, zinc, iron and copper in sixteen Nebraska soils. *Diss. Abstr.*, Sect. B, 27(2):339B. Aug.1966. Z5055.U49D53
- 25409 ALLISON, F. E. The fate of nitrogen applied to soils. *Advances Agron.* 18:219-258. Ref. 1966. 30 Ad9
Review of the literature.
- 25410 ANDERSON, C. A. Flatwoods soils with high levels of available phosphorus in the profile. *Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:*218-225. Ref. 1965, pub.1966. 56.9 So32
- 25411 ARSIAD, S. The effect of drying and wetting cycles on the decomposition of soil organic matter. *Diss. Abstr.*, Sect. B, 27(2):346B-347B. Aug.1966. Z5055.U49D53
- 25412 BARANOVSKAYA, V. A. A comparative study and statistical evaluation of methods for soil humus composition determination. (Rus) *Pochvovedenie* 10:66-69. Oct.1966. 57.8 P34
English summary.
- 25413 BARBIER, G., BILAU, J., and BONIFACE, R. Influence of soil reaction (pH) on the mobility of the phosphoric ions which it retains. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(10):738-745. June 1/8, 1966. 14 P215Bc
Includes discussion.
- 25414 BARROWS, H. L. Effect of surface coatings on the dissolution rate of limestone particles. *Soil Sci. Soc. Amer. Proc.* 30(5):603-606. Sept./Oct.1966. 56.9 So3
- 25415 BEL'CHIKOVA, N. P. Humus composition of middle Siberian taiga soils developing on basic rocks. (Rus) *Pochvovedenie* 10:46-55. Ref. Oct.1966. 57.8 P34
English summary.

- 25416 BIRRELL, K. S. Determination of clay contents in soils containing allophane. 1. Sub-soils. New Zeal. J. Agr. Res. 9(3):554-564. Ref. Aug.1966. 23 N4892
- 25417 BLANARU, V. Graphical method for the determination of ions of aluminium and hydrogen as components of the exchange of acids of acid soils. (Rum) Stint. Solului 4(2):39-47. 1966. 56.8 St5
English summary.
- 25418 BLANKFEL'D, YU. I., and BOGDANOVICH, E. F. Studying gas exchange in the soil by using radioactive C^{14} . (Rus) Pochvovedenie 10:32-35. Oct.1966. 57.8 P34
English summary.
- 25419 BOLTON, J. Exchange equilibria of sodium on some British soils. Nature [London] 212(5061): 549. Ref. Oct.29,1966. 472 N21
- 25420 BOTTEZ, A. Possibilities of increasing the solubility of phosphates in various types of soils. (Rum) Stint. Solului 3(4):369-379. Ref. 1965. 56.8 St5
English summary.
- 25421 BREDELL, G. S. Exchangeability and biological availability of fixed ammonium. Diss. Abstr., Sect. B, 27(2):339B-340B. Aug.1966. Z5055.U49D53
In soils.
- 25422 BRELAND, H. L., and NESMITH, J. Effects of reagent concentrations on the molybdenum blue method for determining phosphorus. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting: 211-218. 1965, pub.1966. 56.9 So32
- 25423 BREMNER, J. M., and KEENEY, D. R. Determination and isotope-ratio analysis of different forms of nitrogen in soils. 3. Exchangeable ammonium, nitrate, and nitrite by extraction-distillation methods. Soil Sci. Soc. Amer. Proc. 30(5):577-582. Ref. Sept./Oct.1966. 56.9 So3
- 25424 BROADBENT, F. E. The characterization of soil humus. Biol. Colloq. [Proc.], 25th Annu. Colloq.:59-76. Ref. 1964, pub.1965. 442.9 B524
- 25425 CARPENA, O., and others. Hydrolysis and nitrification of urea in soils. (Sp) Agrochimica 10(4):305-321. Sept.1966. 385 Ag84
A. Ortuno, F. Costa, and S. Llorente, joint authors.
English summary.
- 25426 COOK, M. G. All that glitters is not gold. Res. Farming [N. C. Sta.] 24(4):10. Spring 1966. 100 N81R
Mica in soils and its influence on soil properties.
- 25427 COREY, J. C. Miscible displacement of nitrate and chloride through soil columns. Diss. Abstr., Sect. B, 27(4):1018B-1019B. Oct.1966. Z5055.U49D53
- 25428 CREMERS, A. E., and LAUDELOUT, H. Surface mobilities of cations in clays. Soil Sci. Soc. Amer. Proc. 30(5):570-576. Ref. Sept./Oct.1966. 56.9 So3
- 25429 CULLMORE, D. R. A qualitative method of assessing the available nitrogen, potassium and phosphorus in the soil. J. Sci. Food Agr. 17(7):321-323. July 1966. 382 So12
- 25430 DKHIR, R. P., and TSYURUPA, I. G. Mobility of iron and aluminum in soils of altitudinal belts of north-western Himalayas. (Rus) Pochvovedenie 10:21-31. Ref. Oct.1966. 57.8 P34
English summary.
- 25431 DU PLESSIS, M. C. F. Chemisorption of ammoniacal nitrogen by clays. Diss. Abstr., Sect. B, 27(4):1012B. Oct.1966. Z5055.U49D53
- 25432 DURASOV, A. M., and MARCHENKO, V. F. Humus group composition of Dark-Chestnut soils of different provinces and carbon-total nitrogen ratio. (Rus) Pochvovedenie 10:56-63. Ref. Oct.1966. 57.8 P34
English summary.
- 25433 DZHAFAROV, M. I. Forms of mineral phosphates in some soils of Azerbaijan. (Rus) Agrokimiya 10:141-143. Oct.1965. 385 Ag89
- 25434 DZHANGALIEV, A. D., UVAROV, YU. P., and ANDREEV, G. E. Content of the total forms of minor elements in the soils of vegetable growing zones in central part of the Zailiyski Ala-Tau. (Rus) Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk 4:13-18. July/Aug.1966. 442.8 A16
- 25435 ELGALA, A. M. A. The chemical behavior of certain synthetic metal chelates in soils. Diss. Abstr., Sect. B, 27(4):1013B. Oct.1966. Z5055.U49D53
- 25436 ELRICK, D. E., and MACLEAN, A. H. Movement, adsorption and degradation of 2,4-dichlorophenoxyacetic acid in soil. Nature [London] 212(5057):102-104. Oct.1,1966. 472 N21
- 25437 ENWEZOR, W. O., and MOORE, A. W. Phosphorus status of some Nigerian soils. Soil Sci. 102(5):322-326. Ref. Nov.1966. 56.8 So3
- 25438 FABRY, MRS. GY. Investigations of solution and binding of phosphorus in Brown Forest soils of Baranya County. (Hu) Agrokem. Tájékozt. 15(1):85-96. Ref. Jan.1966. 385 Ag83
English summary.
Phosphoric acid.
- 25439 FALLER, N. Sulfur in some soils of the eastern Slavonia and Baranja. (Se) Agrohemija 1:271-76. 1966. 385 Ag87
- 25440 FASSBENDER, H. W. Physical and chemical description of the phosphate-soil-plant fertilizing system. (Sp) Turrialba 16(3):237-246. Ref. July/Sept.1966. 8 T86
English summary.
Soil analysis.
- 25441 FISKELL, J. G. A. The nature of soil acidity released by several fertilizer materials and fertilizers near the zone of placement. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting: 173-190. Ref. 1965, pub.1966. 56.9 So32
- 25442 GLEBOVA, G. I. Characteristics of humus of Brown Forest soils of southwestern Smolensk Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved. 2:105-115. Mar./Apr.1966. 442.9 M354
Composition.
- 25443 GUPTA, U. C. A modified procedure for the determination of total boron from soil fused with sodium carbonate. Soil Sci. Soc. Amer. Proc. 30(5):655-658. Sept./Oct.1966. 56.9 So3
- 25444 HARRIS, C. R., SANS, W. W., and MILES, J. R. W. Exploratory studies on occurrence of organochlorine insecticide residues in agricultural soils in southwestern Ontario. J. Agr. Food Chem. 14(4):398-403, map. Ref. July/Aug.1966. 381 J8223
- 25445 HENRIKSEN, A. A comparison of methods for the determination of soluble magnesium in soil. (Da) Nord. Jordbrugsforsk. 47(3):223-227. 1965. 11 N752
- 25446 HENRIKSEN, A. Magnesium determinations in soil, with some remarks on a previously unnoticed source of error. (Da) Tidsskr. Planteavl 70(3):333-336. 1966. 11 T439
English summary.
- 25447 ILTN, I. R. Presenting results of agricultural soil analysis. (Rus) Pochvovedenie 8:62-65. Aug.1966. 57.8 P34
English summary.
- 25448 JUNG, L., and ROHMER, W. Comparative experiments concerning the suitability of $Na_4P_2O_7$ and Calgon as dispersion agents in soils containing $CaCO_3$ as well as high clay contents. (Ge) Z. Kulturtech. Flurbereinigung 7(5):268-273. Sept./Oct.1966. S605.A124
English summary.
- 25449 JURINAK, J. J. Surface chemistry of hematite: anion penetration effect on water adsorption. Soil Sci. Soc. Amer. Proc. 30(5):559-562. Ref. Sept./Oct.1966. 56.9 So3
- 25450 KALPAGE, F. S. C. P. Redox potential trends in a submerged rice soil. Plant Soil 23(1):129-136. Ref. Aug.1966. 450 P696
- 25451 KARPENKO, N. P., and KARAAEV, N. M. A method for extraction of humic acids by freezing. (Rus) Pochvovedenie 10:64-66. Ref. Oct.1966. 57.8 P34
English summary.

- 25452 KEENEY, D. R., and BREMNER, J. M. Determination and isotope-ratio analysis of different forms of nitrogen in soil. 4. Exchangeable ammonium, nitrate, and nitrite by direct-distillation methods. *Soil Sci. Soc. Amer. Proc.* 30 (5):583-587. Ref. Sept./Oct. 1966. 56.9 So3
- 25453 KEMPER, W. D., and VAN SCHAICK, J. C. Diffusion of salts in clay-water systems. *Soil Sci. Soc. Amer. Proc.* 30(5):534-540. Sept./Oct. 1966. 56.9 So3
- 25454 KERESZTENY, B. A simplified method to determine the hot water soluble boron content of soils with quinalizarin reagent. (Hu) *Agrokem. Talajtan* 15(1):131-140. Jan. 1966. 385 Ag83
English summary.
- 25455 KHARITONOVA, E. P. Quantitative analysis of soil manganese by electron paramagnetic resonance technique. (Rus) *Pochvovedenie* 10:70-71. Oct. 1966. 57.8 P34
- 25456 KITTRICK, J. A. The free energy of formation of gibbsite and $Al(OH)_4^-$ from solubility measurements. *Soil Sci. Soc. Amer. Proc.* 30(5):595-598. Ref. Sept./Oct. 1966. 56.9 So3
- 25457 LEVESQUE, M., and HANNA, W. J. Chemical properties of a New Jersey Podzol as affected by leaching with various agents. *Soil Sci.* 102 (5):333-338. Ref. Nov. 1966. 56.8 So3
- 25458 LOTSCHERT, W. New investigations on the seasonal changes of hydrogen-ion concentration in soils. (Ge) *Umschau* 66(2):62. Jan. 15, 1966. 474 Um7
- 25459 MALQUORI, A., and RADAELLI, L. Reactions between soil and condensed phosphates. I. (It) *Agrochimica* 10(4):354-370. Ref. Sept. 1966. 385 Ag84
English summary.
- 25460 MARIN MORALES, G. Soil analysis; aspects of soil analysis. II. Types of analysis and procedures. (Sp) *Agr. Trop.* 22(5):255-262. Ref. May 1966. 26 Ag8
Colombia.
- 25461 MARTIN, J. K., and WICKEN, A. J. Soil organic phosphorus. IV. Fractionation of organic phosphorus in alkaline soil extracts and the identification of inositol phosphates. *New Zeal. J. Agr. Res.* 9(3):529-535. Ref. Aug. 1966. 23 N4892
- 25462 MCLEAN, G. W. Retention and release of nickel by clays and soils. *Diss. Abstr.*, Sect. B, 27(2):341B. Aug. 1966. Z5055.U49D53
- 25463 MEL'NIKOV, M. K., and PROKHOROV, V. M. Effects of moistening on adsorption and desorption of Sr^{90} by soil. (Rus) *Zh. Prikladnoi Khim.* 39(8):1693-1696. Aug. 1966. 385 Z64
- 25464 MOREL, R. The development of soil organic matter and nitrogen at Grignon since Deherain. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(10):728-738. June 1/8, 1966. 14 P215Bc
Includes discussion.
- 25465 MUKHOPADHYAY, A. K. Phosphate transformations in and some electrochemical properties of waterlogged soils. *Diss. Abstr.*, Sect. B, 27(4):1004B-1005B. Oct. 1966. Z5055.U49D53
- 25466 MURTI, G. S. R. K., VOLK, V. V., and JACKSON, M. L. Colorimetric determination of iron of mixed valency by orthophenanthroline. *Soil Sci. Soc. Amer. Proc.* 30(5):663-664. Sept./Oct. 1966. 56.9 So3
- 25467 ORLOV, D. S., and AL'ZUBAIDI, A. On the dissociation of absorbed cations. (Rus) *Moscow. Univ. Vestnik. Ser. 6, Biol. Pochved.* 1:113-120. Ref. Jan./Feb. 1966. 442.9 M854
In soils.
- 25468 PARFENOVA, E. I., and YARILLOVA, E. A. Mineralogical investigations in soil science. 178 p. S593.P33
Bibliography, p. 162-175.
Translation of *Mineralogicheskie Issledovaniya v pochvovedeni.*
CFSTI: \$5.00.
- 25469 PETERSEN, G. W., and COREY, R. B. A modified Chang and Jackson procedure for routine fractionation of inorganic soil phosphates. *Soil Sci. Soc. Amer. Proc.* 30(5):563-565. Sept./Oct. 1966. 56.9 So3
- 25470 PRASAD, R., TURKHEDE, B. B., and DAS, U. K. 2-Chloro-6 (trichloromethyl) pyridine for reducing nitrogen losses from upland paddy soils. *Curr. Sci.* 35(12):312-313. June 20, 1966. 475 Sci23
- 25471 REYES, E. D. The mechanism of molybdate absorption on hematite. *Diss. Abstr.*, Sect. B, 27(3):652B-653B. Sept. 1966. Z5055.U49D53
- 25472 SANCHEZ CAMAZANO, M., and GONZALEZ GARCIA, S. Interlayer complexes of kaolinite and halloysite with polar liquids. (Sp) *An. Edafol. Agrobiol.* 25(1/2):9-25. Ref. Jan./Feb. 1966. 506 Sp12
English summary.
Dimethyl sulfoxide.
- 25473 SAWHNEY, B. L. Kinetics of cesium sorption by clay minerals. *Soil Sci. Soc. Amer. Proc.* 30(5):565-569. Ref. Sept./Oct. 1966. 56.9 So3
- 25474 SCHMITT, L., and BRAUER, A. Results of field trials for the verification of limit values in the chemical analysis of soils. (Ge) *Landwirt. Forsch.* 19(1):1-9. 1966. 18 L2333
English summary.
- 25475 SILVA, J. A., and BREMNER, J. M. Determination and isotope-ratio analysis of different forms of nitrogen in soils. 5. Fixed ammonium. *Soil Sci. Soc. Amer. Proc.* 30(5):587-594. Ref. Sept./Oct. 1966. 56.9 So3
- 25476 SINGH, R. N., MARTENS, D. C., and OBENS-HAIN, S. S. Plant availability and form of residual phosphorus in Davidson clay loam. *Soil Sci. Soc. Amer. Proc.* 30(5):617-620. Ref. Sept./Oct. 1966. 56.9 So3
- 25477 STEVENSON, F. J., and HARRISON, R. M. Nitrosation of soil organic matter. II. Gas chromatographic separation of gaseous products. *Soil Sci. Soc. Amer. Proc.* 30(5):609-612. Ref. Sept./Oct. 1966. 56.9 So3
- 25478 STORRIER, R. R. The pre-treatment and storage of soil samples for nitrogen analyses. *Australian Inst. Agr. Sci. J.* 32(2):106-113. June 1966. 23 Au74
Review of the literature.
- 25479 SZABOLCS, I., and DARAB, K. The effect of the kind of anions on the calcium-sodium ion exchange in soils. *Agrochimica* 10(4):344-353. Sept. 1966. 385 Ag84
- 25480 TAHOUN, S. A., and MORTLAND, M. M. Complexes of montmorillonite with primary, secondary, and tertiary amides: II. Coordination of amides on the surface of montmorillonite. *Soil Sci.* 102(5):314-321. Ref. Nov. 1966. 56.8 So3
- 25481 THOMAS, R. E., SCHWARTZ, W. A., and BENDIXEN, T. W. Soil chemical changes and infiltration rate reduction under sewage spreading. *Soil Sci. Soc. Amer. Proc.* 30(5):641-646. Ref. Sept./Oct. 1966. 56.9 So3
- 25482 VAN WILK, C. L. Organic matter and soil fertility. *Queensland Agr. J.* 92(9):548-550. Sept. 1966. 23 Q33
- 25483 VELASCO, F., and ALBAREDA, J. M. A study of the changes caused by culture in the adsorbent complex and the composition and nature of humic substances in a forestal soil under *Quercus ilex*, *Quercus coccifera* and *Juniperus thurifera*. (Sp) *An. Edafol. Agrobiol.* 25(1/2):1-8. Ref. Jan./Feb. 1966. 506 Sp12
English summary.
- 25484 VICENTE, J., PASCUAL, J. J. A., and ARROYO, Y. G. F. The presence of halloysite in the kaolin at Lage. (Sp) *An. Edafol. Agrobiol.* 25(1/2):27-29. Jan./Feb. 1966. 506 Sp12
English summary.
- 25485 VOLK, G. M. Transformations and mobility of band-placed urea. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:202-211. Ref. 1965, pub. 1966. 56.9 So32

- 25486 WEIR, C. C. The phosphorus and potassium status of some Trinidad soils. *Trop. Agr. [St. Augustine]* 43(4):315-321. Ref. Oct.1966. 26 T754
- 25487 YUAN, T. L. A survey of aluminum status in Florida soils. *Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:143-152. Ref. 1965, pub. 1966. 56.9 So32*
- Soil Biology**
- 25488 ALEKSANDROVA, E. I. Mycorrhiza and the yields. (Rus) *Zemledelie* 9:64-65. Sept.1966. 20 Z44
Effects of mineral fertilizers on development of mycorrhiza and yields of barley.
- 25489 BABABEKOVA, L. A. Characteristics of the fauna of the basic soil types in the Lenkoran subtropical zone. (Rus) *Akad. Nauk Azerb. SSR. Dokl.* 22(6):63-68. 1966. 511 Ak147D
- 25490 BALLONI, W., and MATERASSI, R. Studies on the influence of chemical fertilizers on the soil microflora. II. Influence on the rhizosphere effect. (Fr) *Inst. Pasteur. Ann.* 111 (3,sup.):39-48. Ref. Sept.1966. 448.3 An75 English summary.
- 25491 BIOLOGY COLLOQUIUM, 25, CORVALLIS. Microbiology and soil fertility; papers, edited by C. M. Gilmour, and O. N. Allen. Oregon State University Press, 1965. 164 p. Ref. 442.9 B524
- 25492 BURTON, J. C. The Rhizobium-legume association. *Biol. Colloq. [Proc.], 25th Annu. Colloq.:107-134. Ref. 1964, pub.1965. 442.9 B524*
- 25493 CALLAO, V., and others. Antagonistic effect of *Myxococcus xanthus* on Azotobacter. (Sp) *Microbiol. Espan.* 19(1):45-51. Jan./Mar.1966. 448.3 M583
R. Alvarado, A. Sedano, J. Olivares, and E. Montoya, joint authors.
English summary.
- 25494 CULLIMORE, D. R. The assessment by bioassay using algae of the plant-available sulphur in the soil. *J. Sci. Food Agr.* 17(7):323-326. July 1966. 382 S012
- 25495 CULLIMORE, D. R. Studies on the algal bioassay of soil potassium using Tchan's methods. *Plant Soil* 23(1):34-42. Ref. Aug.1965. 450 P696
- 25496 DAVIS, R. A. Effects of fungicide treatment of soil on certain components of the soil microflora. *Diss. Abstr., Sect. B, 27(3):666B. Sept. 1966. Z5055.U49D53*
- 25497 DELWICHE, C. C. The cycling of carbon and nitrogen in the biosphere. *Biol. Colloq. [Proc.], 25th Annu. Colloq.:29-58. Ref. 1964, pub.1965. 442.9 B524*
- 25498 DURAND, G. Contribution a l'etude de la biologie du sol: sur le catabolisme des acides nucleiques et de leurs derives [Contribution to the study of soil biology: on the catabolism of nucleic acids and their derivatives]. *Ecole Nat. Super. Agron. Ann.* 13,233 p. 1966. 105.3 T64
Bibliography, p.213-222.
- 25499 FUSTEC-MATHON, E., NEUVILLE, D., and DASTE, P. Observations concerning the presence of Azotobacter in Atlantic coastal soils of mid-western France. (Fr) *Acad. Sci. Compt. Rend. Ser. D, 263(3):304-307. Ref. July 18,1966. 505 P21*
- 25500 GOSS, O. M., and SHIPTON, W. A. Nodulation of legumes on new light land. 1-2. West. Australia. *Dep. Agr. J. (ser.4)6(10):616-621,623-626. Ref. Oct.1965. 23 W52J*
I. Survival of rhizobia on inoculated pelleted seed held for varying periods before sowing into dry soil; 2. Protection of rhizobia from toxic action of superphosphate and trace elements.
- 25501 GRIFFITHS, E., and JONES, D. Microbiological aspects of soil structure. I. Relationships between organic amendments, microbial colonization, and changes in aggregate stability. *Plant Soil* 23(1):17-33. Ref. Aug.1966. 450 P696
- 25502 HEATH, G. W., ARNOLD, M. K., and EDWARDS, C. A. Studies in leaf litter breakdown. I. Breakdown rates of leaves of different species. *Pedobiologia* 6(1):1-12. Ref. 1966. 56.8 P343
Through the activity of microorganisms and soil fauna.
- 25503 HENNEQUIN, J. R., and BLACHER, H. Studies on synthesis of phytohormones and phenolic compounds by Azotobacter and rhizosphere bacteria. (Fr) *Inst. Pasteur. Ann.* 111 (3,sup.):89-102. Ref. Sept.1966. 448.3 An75 English summary.
- 25504 JACKSON, R. M., and BROWN, M. E. Behaviour of Azotobacter chroococcum introduced into the plant rhizosphere. *Inst. Pasteur. Ann.* 111(3,sup.):103-112. Ref. Sept.1966. 448.3 An75
- 25505 JONES, J. P. Genera of fungi associated with the sandy soils of south west Florida. *Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting: 232-238. 1965, pub.1966. 56.9 So32*
- 25506 KARG, W. Current knowledge on the effect of plant protection materials on soils. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienst (n.s.)* 19(4):97-105. Ref. 1965. 464.9 N11 English summary.
Chiefly effect on biological activity of microorganisms in soils.
- 25507 KARPOVA, E. S. Effect of long use of fertilizers on soil microflora. (Rus) *Mikrobiologiya* 35(5):878-884. Ref. Sept./Oct.1966. 448.3 M582 English summary.
- 25508 KICK, H. Pot and field experiments for testing the effectiveness of legume inoculants. (Ge) *Landwirt. Forsch.* 19(1):10-17. 1966. 18 L2333 English summary.
- 25509 LEES, H. Mineralization and immobilization of soil nutrients. *Biol. Colloq. [Proc.], 25th Annu. Colloq.:17-28. Ref. 1964, pub.1965. 442.9 B524*
- 25510 MAKAROV, B. N. Biological activity of soil as influenced by the decomposition of organic matter. (Rus) *Agrokimiya* 10:78-81. Oct.1965. 385 Ag69
- 25511 MAYLAND, H. F., and MCINTOSH, T. H. Distribution of nitrogen fixed in desert alkaline crusts. *Soil Sci. Soc. Amer. Proc.* 30(5):606-609. Ref. Sept./Oct.1966. 56.9 S03
- 25512 MICHOUTINE, E. N. Action of Azotobacter on superior plants. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):121-135. Ref. Sept.1966. 448.3 An75 English summary.
- 25513 MOODIE, C. D. Sites of nutrient exchange in soils. *Biol. Colloq. [Proc.], 25th Annu. Colloq.:1-16. Ref. 1964, pub.1965. 442.9 B524*
Plant roots and microorganisms.
- 25514 MURILLO, B. Earthworm influence in soil aggregates stability under different treatments with organic matter. (Sp) *Ann. Edafol. Agro-biol.* 25(1/2):91-99. Ref. Jan./Feb.1966. 506 Sp12 English summary.
- 25515 NITA, L., and GROSU, R. Specific composition of the cellulose decomposing aerobic bacteria in various types of soils in Rumania. (Rum) *Stint. Solului* 4(1):18-28. 1966. 56.8 St5 English summary.
- 25516 OLINS, A. L. Physical chemical studies of lipopolysaccharide subunits from Azotobacter vinelandii. *Diss. Abstr., Sect. B, 27(3):726B. Sept. 1966. Z5055.U49D53*
- 25517 RAGHU, K., and MACRAE, I. C. Biodegradation of the gamma isomer of benzene hexachloride in submerged soils. *Science* 154 (3748):263-264. Oct.14,1966. 470 Sc12
- 25518 REMACLE, J. Evolution of an Azotobacter chroococcum population in barley rhizosphere in presence of a pectinolytic bacillus. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):149-154. Sept. 1966. 448.3 An75 English summary.

- 25519 SIEGEL, O., and SCHMIDT, H. L. Laboratory experiments and results of field trials on inoculation with *Azotobacter chroococcum*. (Ge) Landwirt. Forsch. 19(1):18-28. 1966. 18 L2333
English summary.
Sunflowers.
- 25520 SZABO, I., and MARTON, M. Selection and succession of microbial associations in different soil types, on the root surface of plants and in the intestine of soil animals. *Inst. Pasteur. Ann.* 111(3,sup.):178-196. Ref. Sept. 1966. 448.3 An75
- 25521 TIMONIN, M. Interaction of higher plants and soil microorganisms. *Biol. Colloq. [Proc.]*, 25th Annu. Colloq.:135-158. Ref. 1964,pub.1965. 442.9 B524
- 25522 TUITROSOMO, S. The microfungi of forest and prairie soils in east-central Illinois. *Diss. Abstr.*, Sect. B, 27(3):707B-708B. Sept.1966. Z5055,U49D53
- 25523 VOETS, J. P., and DEDEKEN, M. Observations on the microflora and the enzymes in the rhizosphere. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):197-207. Ref. Sept.1966. 448.3 An75
English summary.
- Soil-Plant-Animal Relationships**
- 25524 CHEPURKO, N. L. Some materials concerning the study of circulation of minerals in the low-bush tundra of Khibiny Mountains. (Rus) *Moscow Univ. Vestnik. Ser. 6, Biol. Pochvoved. 2*: 116-126. Mar./Apr.1966. 442.9 M854
- Soil Genesis, Formation, Classification, and Mapping**
- 25525 ANDREI, G. Contributions to the knowledge of soils in NE Transylvania. (Ru) *Romania. Comitetul Geol. Darl Seama Sedintelor* 52:407-424, map. Ref. 1966. 403 R86
English summary.
- 25526 ASVADUROV, H., and GATA, E. Sandy soils of the Forest Valea lui Mihai. (Ru) *Romania. Comitetul Geol. Darl Seama Sedintelor* 52:425-441, map. Ref. 1966. 403 R86
English summary.
- 25527 BUCUR, N., and others. A contribution to the study of Lacoviste clay soils in the Somuzel valley (Falticeni-Suceava). (Rum) *Stiint. Solului* 3(4):387-396, map. 1965. 56.8 St5
C. Tesu, E. Merlescu, and R. Hirjoaba, joint authors.
English summary.
- 25528 CANADA. DEPT. OF FORESTRY. The Canada land inventory report No. 2, 1965; soil capability classification for agriculture. Ottawa, 1965. 16 p. SD13.A3
- 25529 CANARACHE, A. Comparison of textural classes of soils of various classification systems. (Rum) *Stiint. Solului* 3(4):356-363. 1965. 56.8 St5
English summary.
- 25530 CONEA, A. American system of classification applied to some soils in Rumania. (Rum) *Stiint. Solului* 4(2):62-71. 1966. 56.8 St5
- 25531 COOKE, G. W. Soils and fertilizers. *Roy. Agr. Soc. Engl. J.* 126:154-174. 1965. 10 R81
Review of the literature.
Use of soil surveys for planning fertilizer use.
- 25532 DINIZ, A. C., and AGUIAR, F. Q. DE B. Geomorfologia, solos e ruralismo da regio central Angolana [Geomorphology, soils and ruralism of the central zone of Angola]. *Nova Lisboa*, 1966. 64 p., map. Ref. S599.A515
English summary.
- 25533 FINNEY, H. R. Some characteristics of four raised bogs in northern Minnesota: stratigraphic relationships and mineralogical properties of the inorganic fraction. *Diss. Abstr.*, Sect. B, 27(3):650B. Sept.1966. Z5055,U49D53
- 25534 FLOREA, N. Additions and changes of the "7-th Approximation." (Rum) *Stiint. Solului* 4(2):54-61. 1966. 56.8 St5
- 25535 FLOREA, N. Genetic and geographic classification of soils of Rumania. (Rum) *Stiint. Solului* 3(4):408-413. Ref. 1965. 56.8 St5
English summary.
- 25536 FOSS, J. E. Soil genesis study of a lithologic discontinuity observed in glacial drift in western Wisconsin. *Diss. Abstr.*, Sect. B, 27(3): 663B. Sept.1966. Z5055,U49D53
- 25537 GANSSEN, R., and HADRICHE, F. Atlas zur Bodenkunde [Soil science map]. Mannheim, Bibliographisches Institut, 1965. 85 p., map. Ref. (Meyers Grosser Physischer Weltatlas, v. 1) 5598.G3
- 25538 GATTA, L., DELLA, LOPEZ, G., and PERNIO-LA, M. The agrarian soils of the Basentello Valley in the Province of Matera. (It) *Ann. Sperim. Agr. (n.s.)* 18(5/6):549-607, map. Ref. 1964,pub.1966. 16 An76
English summary.
- 25539 GHITULESCU, N. Diagnostic horizons. (Rum) *Stiint. Solului* 4(2):48-53. 1966. 56.8 St5
- 25540 GILE, L. H. Coppice dunes and the Rotura soil. *Soil Sci. Soc. Amer. Proc.* 30(5):657-660. Sept./Oct.1966. 56.9 So3
New Mexico.
- 25541 HANSON, L. D. Soil characteristics and changes in Minnesota agricultural land use. *Diss. Abstr.*, Sect. B, 27(3):855B. Sept.1966. Z5055,U49D53
- 25542 JONES, R. L., and BEAVERS, A. H. Weathering in surface horizons of Illinois soils. *Soil Sci. Soc. Amer. Proc.* 30(5):621-624, map. Sept./Oct.1966. 56.9 So3
- 25543 JONGEN, P., and JAMAGNE, M. Carte des sols et de la vegetation du Congo, du Rwanda et du Burundi. 20. Region Tshuapa-Equateur. A. Notice explicative de la carte des sols [Soil and vegetation maps of Congo, Rwanda and Burundi. 20. Tshuapa-Equator region. A. Explanatory note to soil map]. Bruxelles, 1966. 82 p., map. Ref. 56.27 In7
- 25544 KILIAN, J. Soil study of the Ankazomanga Basin; research on peanut soils. (Fr) *Agron. Trop. [Paris]* 21(5):633-658, map. May 1966. 26 Ag86
English summary.
Classification.
- 25545 KLINGEBIEL, A. A. Costs and returns of soil surveys. *Agr. Banking Financ.* 8(6):44-47. Nov./Dec. 1966. 284.8 B22
- 25546 KOWALKOWSKI, A. Project of nomenclature of soil horizons. 18 p. Ref. (TT 65-50318) Transl. 16240
Translation from *Roczniki Gleboznawcze* 9(1): 67-88. 1960.
CFSTI: \$1.00.
- 25547 KUZNETSOV, V. V. Collection and systematization of soil survey materials on cards with perforated margins. (Rus) *Pochvovedenie* 10: 10-20. Ref. Oct.1966. 57.8 P34
English summary.
- 25548 LAG, J. Some general characteristics of the Norwegian soils. *Grundforbattering* 19(1):3-12. 1966. 54.8 G92
- 25549 LARSEN, L. S., and others. Soil survey of Elbert County, Colorado, eastern part. U. S. Soil Conserv. Serv. *Soil Surv. Ser.* 1960(31), 79 p., map. July 1966. 1 So32F
T. G. Barber, E. L. Wesswick, D. E. McCoy, and J. B. Harman, joint authors.
Colorado Agricultural Experiment Station, co-operating.
- 25550 MIHNEA, I. Zoning of land with excess moisture in the low plain of the lower Somes. (Rum) *Stiint. Solului* 3(4):414-426, map. 1965. 56.8 St5
English summary.
- 25551 MYERS, V. I., CARTER, D. L., and RIPPET, W. J. Remote sensing for estimating soil salinity. *Amer. Soc. Civil Eng. J.* 92(IR4,proc. pap.5040):59-68. Ref. Dec.1966. 290.9 Am3Ps
Use of aerial photography.

- 25552 PARICHI, M., and ANDREI, G. A contribution to the study of the soils of hilly region of the Transylvanian Bistritza. (Rum) Stint. Solului 4(2):23-38, map. 1966. 56.8 St5
English summary.
Chiefly classification and types.
- 25553 PETTRY, D. E., CARLISLE, V. W., and CALDWELL, R. E. Spodic horizons in selected Leon and Immokalee soils. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:160-172, map. Ref. 1965, pub. 1966. 56.9 So32
- 25554 POPP, N. Submerged formations of the Danube Delta and the use of reed vegetation. (Rum) Stint. Solului 4(1):42-51, map. 1966. 56.8 St5
English summary.
- 25555 RODE, A. A., and RASEVSKAIA, I. M. Genetical peculiarities of a profile of Brown Forest soils podzolized with pseudogley soils. (Rum) Stint. Solului 4(1):29-41. 1966. 56.8 St5
English summary.
- 25556 ROMASHEVICH, A. I. The fabric of Krasnozems on zebra-like clays. (Rus) Pochvovedenie 9:27-34. Sept. 1966. 57.8 P34
- 25557 RUNGE, E. C. A., and RIECKEN, F. F. Influence of natural drainage on the distribution and forms of phosphorus in some Iowa prairie soils. Soil. Sci. Soc. Amer. Proc. 30(5):624-630. Ref. Sept./Oct. 1966. 56.9 So3
Evaluation of pedogenetic effects of natural drainage on the profile distribution of various forms of phosphorus.
- 25558 SOBOLEV, L. N. Some problems of ecological soil science. (Rus) Pochvovedenie 10:1-10. Ref. Oct. 1966. 57.8 P34
English summary.
- 25559 STRZEMSKI, M. Organization of soil mapping in Poland. (Rus) Pochvovedenie 10:86-88. Oct. 1966. 57.8 P34
- 25560 STRZEMSKI, M. Present state of soil systematizations in Europe. 31 p. Ref. (TT 65-50323) Transl. 16258
Translation from Roczniki Gleboznawcze 9: 49-88. 1960.
CSTI: \$2.00.
- 25561 U. S. SOIL CONSERVATION SERV. Soil survey of Clinton County, Pennsylvania, by W. J. Steputis, R. E. Matticks, R. Zimmerman, and R. Henry. Washington, 1966. 141 p., map. Ref. a5591.A387
Pennsylvania State University, College of Agriculture and Agricultural Experiment Station, and Pennsylvania Department of Agriculture, State Soil and Water Conservation Commission, cooperating.
- 25562 VARALLYAY, GY., and SZABOLCS, I. The Transdanubian alkali soils. III. Alkali soils of Mezofold. (Hu) Agrokem. Talajtan 15(1):1-42, map. Ref. Jan. 1966. 385 Ag83
English summary.
- 25563 WARD, W. T. Geology, geomorphology, and soils of the south-western part of County Adelaide, South Australia. Australia. Commonwealth Sci. Indus. Res. Organ. Soil Publ. 23, 115 p., map. Ref. 1966. 56.9 Au72
- 25564 ZACHARY, A. L. Mineralogical and chemical study of the genesis of Miami, Russell, and Avonburg soils. Diss. Abstr., Sect. B, 27(2): 558B. Aug. 1966. Z5055.U49D53
Profile studies in Indiana.
- SOIL MANAGEMENT**
- 25565 FERGUSON, J. A., and others. The effect of summer fallow tillage methods on the vertical energy balance. Amer. Soc. Agr. Eng. Pap. 230, 20 p. 1966. 290.9 Am32P
E. Dowding, C. F. Becker, and R. D. Burman, joint authors.
Based upon soil moisture conservation.
- 25566 KORCHAGINA, Z. A., and KUZNETSOV, M. S. Experience in complex improvement of Solonetz soils of light Chestnut subzone of Volgograd Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, Biol. Pochvoved. 1:101-112. Jan./Feb. 1966. 442.9 M854
Soil management.
- 25567 LAWES, D. A. Rainfall conservation and the yields of sorghum and groundnuts in northern Nigeria. Exp. Agr. 2(2):139-146. Apr. 1966. 10 Ex72
Effects of leaching and mulching on moisture conservation and yields.
- 25568 MOORES, E. A. Regional drainage basin morphometry. Diss. Abstr., Sect. B, 27(4):1191B. Oct. 1966. Z5055.U49D53
Smoky Hill River area.
- Soil Fertility**
- 25569 ABRAHAM, L., and CZUKOR, MRS. J. Investigation of the ameliorating effect of sugar factory waste on alkali soils in pot experiments. (Hu) Agrokem. Talajtan 15(1):43-50. Jan. 1966. 385 Ag83
English summary.
- 25570 AFENDULOV, K. P., and PODURAZHNYI, K. P. Differentiated rates and ratios of fertilizers applied under corn on soils of the Chervigov Region. (Rus) Agrokimiya 10:50-57. Oct. 1965. 385 Ag89
Minerals.
- 25571 AKEHURST, B. C., and SREEDHARAN, A. Application of mineral fertilizers to flue-cured tobacco in the Iringa District of Tanzania. Exp. Agr. 2(4):265-277. Ref. Oct. 1966. 10 Ex72
- 25572 ALYAMOVSKII, N. I. Izvestkovye udobreniya v SSSR [Liming fertilizers in USSR]. Moskva, Kolos, 1966. 255 p. Ref. S643.A4
- 25573 ARANY, S. Improvement possibilities for Solonchak and Solonchak-Solonetz soils with special emphasis on lignite dust application. (Hu) Agrokem. Talajtan 15(1):157-168. Ref. Jan. 1966. 385 Ag83
- 25574 ARTYUSHIN, A. M., and YAKOVLEVA, M. E. The dosage of the lime fertilizers. (Rus) Zemledelie 9:31-33. Sept. 1966. 20 Z44
- 25575 ASHBY, D. L. Partially acidulated rock phosphate as a phosphorus source for crops. Diss. Abstr., Sect. B, 27(4):1003B-1004B. Oct. 1966. Z5055.U49D53
Tests with ryegrass.
- 25576 AUSTIN, R. B., and LONGDEN, P. C. The effects of manurial treatments on the yield and quality of carrot seed. J. Hort. Sci. 41(4):361-370. Oct. 1966. 80 J825
- 25577 BANDEL, V. A., SHAFFNER, C. S., and HUNTER, H. A. Poultry manure is valuable fertilizer. Md. Univ. Ext. Fact Sheet 39, rev., 4 p. May 1966. 275.29 M36Fa
On field crops, vegetables, and fruit trees.
- 25578 BHAUMIK, H. D. Potassic fertilisers give higher paddy yields in Thanjavur District. Fert. News 11(9):7-8. Sept. 1966. 57.8 F4123
- 25579 BREDERO, T. Y. Fertilizer responses in swamp rice (Oryza sativa L.) in Northern Nigeria. Exp. Agr. 2(1):33-43. Ref. Jan. 1966. 10 Ex72
- 25580 BREUNIG, W., and SCHNIEDER, E. The soil fertility test made at Thyrow. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(2):195-210. Ref. 1966. 509 B453
English summary.
- 25581 BRZESKA, J. The influence of fertilization and crop rotation upon the magnesium content in soil. (Pol) Roczn. Nauk Roln. 91-A-2:235-244. Ref. 1966. 20.5 R59
English summary.

- 25582 CHANTURIYA, I. A. Effect of long term mineral fertilizer application under tea on the humus content in subtropical podzolic soils. (Rus) *Agrokhimiya* 10:73-77. Oct.1965. 385 Ag89
- 25583 CHONG, H. P. Studies on the bamboo in Korea. 7. On the fertilizer application test of *Sasamorpha purpurascens* var. *borealis*. (Ko) *Chuncheon Nongkwa Taehak. Yong'u Nonmunjip*. J. 1: 105-110. Ref. July 1965. \$19.C5
English summary.
- 25584 COLIBAS, L. and COLIBAS, M. The effect of phosphorus-gypsum and some fertilizers on the yields of Sudangrass, sorghum and wheat grown on the Solonetz soils of Socodor. (Rum) *Stint. Solului* 3(4):380-386. 1965. 56.8 St5
English summary.
- 25585 CONSIDERATIONS on the subject of fertilizers for fruit trees. (Ge) *Obstrundschau* 25(2), 4 p. Feb.26,1965. 80 Ob74
Text also in French.
- 25586 CROFTS, F. C., and BLAIR, G. J. Sulphur responses in nitrogen-treated oats on a virgin basaltic soil. *Australian Inst. Agr. Sci. J.* 32 (2):142. June 1966. 23 Au74
Fertilizer.
- 25587 DAJI, J. A. Manuring of rice in India. 9. Mysore. *Fert. News* 11(10):28-30. Oct.1966. 57.8 F4123
- 25588 DARDZHONOV, T. Use of trace element composition of a plant as indicator for supplying trace elements. (Bu) *Zhivotnovodni Nauk.* 3 (2):175-184. Ref. 1966. 49 Z65
German summary.
Foliar diagnosis of alfalfa.
- 25589 DATTA, S. K. DE, and others. Phosphorus supplying capacity of lowland rice soils. *Soil Sci. Soc. Amer. Proc.* 30(5):613-617. Ref. Sept./Oct.1966. 56.9 3o3
J. C. Moomaw, V. V. Racho, and G. V. Simsiman, joint authors.
- 25590 DAVIDSON, H. Fertilizing plants: what and how much. *Mich. Forest. Park Ass. Proc.*, 40th Annu. Conf.:40-42. 1966. 99.9 M586
- 25591 DENMARK, STATENS FORSGSVIRKSMHED I PLANTEKULTUR. Soil types, nitrogen fertilizing and watering of *Asparagus plumosus*. (Da) *Tidsskr. Planteavl* 70(3):403-406. 1966. 11 T439
- 25592 DERZHAVIN, L. M., and SHIL'NIKOV, I. A. Practices of the soil liming in the German Democratic Republic. (Rus) *Zemledelie* 9:69-73. Sept.1966. 20 Z44
- 25593 DIDYCHENKO, A. P., and BRUSHKOVSKAYA, N. A. Application methods for mineral fertilizers. (Rus) *Sakharn. Svekla* 10:29-30. Oct. 1966. 66.8 Su393
Sugar beets.
- 25594 DOVRAT, A. Responses of Rhodes grass [*Chloris gayana*] and overseeded legumes to nitrogen and potash fertilizers and to the availability of soil potassium in Israel. *Exp. Agr.* 2 (4):255-263. Ref. Oct.1966. 10 Ex72
- 25595 DOYLE, J. J. The response of rice to fertilizer. *Food Agr. Organ. UN. FAO Agr. Stud.* 70, 69 p., map. Ref., p.67-69. 1966. 28 F73
- 25596 EBY, H. J. Two billion tons of what! Compost Sci. 7(2):7-10. Autumn 1966. 57.8 C734
Manure and sewage as fertilizer for grasses.
- 25597 EPMATOV, U. I. Effect of nitrogen nutrition on fiber yields. (Rus) *Khlopkovodstvo* 9:41-42. Sept.1966. 72.8 K522
Cotton.
- 25598 FATARE, I. Changes in yields and botanical composition of meadow coenoses under the effect of copper fertilizer. (Rus) *Lav. PSR Zinat. Akad. Vestis* 3:48-57. Ref. 1966. 511 R442
English summary.
- 25599 FAYEMI, A. A. Effects of time of nitrogen application on yield of maize in the Tropics. *Exp. Agr.* 2(2):101-105. Ref. Apr.1966. 10 Ex72
Fertilizer.
- 25600 FILIMONOVA, V. A. Use of silty lacustrine deposits of the Volga Akhtuba flood plain to improve soil fertility. (Rus) *Pochvovedenie* 9: 80-86. Sept.1966. 57.8 P34
English summary.
- 25601 FINN, R. F., and WHITE, D. P. Commercial fertilizers increase growth in a yellow-poplar plantation. *J. Forest.* 64(12):809-810. Dec. 1966. 99.8 F768
Nitrogen, phosphorus and potassium.
- 25602 FISKEILL, J. G. A., and others. Micronutrient fertilization and rates used for Florida crops. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:95-107. Ref. 1965, pub.1966. 56.9 So32
C. E. Hutton, L. G. Thompson, and P. H. Everett, joint authors.
- 25603 FISKEILL, J. G. A., and BRAMS, E. A. Root desorption analysis as a diagnostic technique for measuring soil-plant relationships. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting: 128-142. Ref. 1965, pub.1966. 56.9 So32
In relation to soil fertility and fertilizer evaluation.
- 25604 FLORESCU, M., BILAU, I., and MUNTEAN, E. Evaluation of the effects of phosphorus fertilizers by the Neubauer-Schneider method. (Rum) *Stint. Solului* 4(1):4-17. Ref. 1966. 56.8 St5
English summary.
Effects on rye.
- 25605 GARNER, H. V. Comparisons of farmyard manure, sewage sludge, and other organic manures tested on potatoes and a succeeding cereal crop at Rothamsted. *J. Agr. Sci. [London]* 67(2):267-280. Oct.1966. 10 J822
- 25606 GARNER, H. V. Experiments on the direct, cumulative and residual effects of town refuse manures and sewage sludge at Rothamsted and other centres, 1940-1947. *J. Agr. Sci. [London]* 67(2):223-233. Oct.1966. 10 J822
For fertilizer on field crops and vegetables.
- 25607 GERALDSON, C. M., OVERMAN, A. J., and JONES, J. P. Combination of high analysis fertilizers, plastic mulch and fumigation for tomato production on old agricultural land. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:18-24. 1965, pub.1966. 56.9 So32
- 25608 GIDLEY, V. Progress with sulphur fortified superphosphates. *Power Farming Australia New Zeal. Better Farming Dig.* 75(8):53. Aug. 1966. 58.8 P87
Pasture fertilizer.
- 25609 GIL FLORES, J. Fertility studies in volcanic soils of the Sierra Tarasca, Mexico. *Diss. Abstr.*, Sect. B, 27(3):670B-671B. Sept. 1966. Z5055,U49D53
- 25610 GIORDANO, P. M., and MORTVEDT, J. J. Zinc availability for corn as related to source and concentration in macronutrient carriers. *Soil Sci. Soc. Amer. Proc.* 30(5):649-653. Sept./Oct.1966. 56.9 So3
- 25611 GROS, A. Nitrogen fertilizers in France. *Stokstaf* 10:8-19, map. Aug.1966. 57.9 St52Ae
- 25612 HAGIN, J., and KOYUMJISKY, H. Effects of potassium fertilizer on peanuts in Israel. *Exp. Agr.* 2(4):295-298. Oct.1966. 10 Ex72
- 25613 HARDY, F., and BAZAN, R. The maize micro-plot method of soil testing. *Turrialba* 16(3): 267-270. July/Sept.1966. 8 T86
- 25614 HARRIS, H. C. Micronutrient and major element experiments effectively conducted with home-made facilities. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:112-116. 1965, pub. 1966. 56.9 So32
Effects on yields of oats and clover.
- 25615 HARTWIG, E. E. Molybdenum for soybeans on Delta soils. *Miss. Agr. Exp. Sta. Inform. Sheet* 918, 1 p. Mar.1966. 100 M69H
U. S. Department of Agriculture, cooperating.
- 25616 HAWORTH, F., CLEAVER, T. J., and BRAY, J. M. The effects of different manural treatments on the yield and mineral composition of carrots. *J. Hort. Sci.* 41(4):299-310. Ref. Oct.1966. 80 J825

- 25617 HIMELICK, E. B., and NEELY, D. Tree fertilization. Amer. Nurseryman 124(9):11,36,38, 40,42-44. Nov.1,1966. 80 Am371
Shade trees.
- 25618 HOFFMANN, F., and ORTMANN, C. Effect of a fertilization with nitrogen and potassium on yield and quality of *Salix americana* Hort. (Ge) Arch. Forstwesen 15(4):453-461. 1966. 99.8 Ar22
English summary.
- 25619 HOLLAND, D. A. The interpretation of leaf analyses. J. Hort. Sci. 41(4):311-329. Ref. Oct.1966. 80 J825
Fruit.
- 25620 HOLLOWAY, P. Remember the peelings when fertilizing your plants. Org. Gard. Farming 14 (1):60-63. Jan.1967. 57.8 Or32
Vegetables, fruit and ornamentals.
- 25621 HORTENSTINE, C. C. Effects of ammoniating superphosphate on yields and phosphorus contents of sorghum plants. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:63-69. 1965, pub.1966. 56.9 So32
- 25622 HOUGH, H., and others. Summary of 1964 fertilizer studies in Wyoming. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 202R, 28 p. June 1965. 100 W99M
L. I. Painter, P. Singleton, W. Seamans, J. Partridge, C. Moine, and G. Robbins, joint authors.
Chiefly on forage plants, grain and sugar beets.
- 25623 ILKOV, D., and STERIKOV, G. Liming of dark-Gray Forest soil. (Bu) Rastenievudni Nauk. 2 (11):33-40. Ref. 1965. 64.8 R18
English summary.
- 25624 JANSSON, S. L. Nitrogen fertilization and nitrogen requirements in Swedish agriculture. Stikstof 10:94-101, map. Aug.1966. 57.9 St52Ae
- 25625 JOHANSSON, B., and AHGREN, A. Effect of fertilizing and date of application. (Sw) Skogen [Stockholm] 53(5):111-113,126. Mar.1966. 99.8 Sk51
- 25626 JOHANSSON, O. Rapport från pagaende vaxt-näringsforsök med potatis [Report on present potato fertilizer trials]. Uppsala. Lantbruks-hogsk. Aktuellt Lantbrukshogsk. 93,24 p. 1966. 11 Up62A
- 25627 JOHNSON, A. Fertilizers as a factor in soil management. Agr. Gaz. New S. Wales 77(9): 471-474. Aug.1966. 23 N472
- 25628 JOHNSON, J. R., and LIVINGSTON, R. L. Fertilizer recommendations for Georgia. Ga. Univ. Ext. Circ. 371, rev., 8 p.-folder. Apr. 1966. 275.29 G29C
Field crops, vegetables, and fruits.
- 25629 JONSSON, L., and BONDESSON, L. Forsök med delad tillförsel av kväve till höstads. Field trials with split nitrogen dressings to winter cereals. Uppsala. Lantbrukshogsk. Medd. Ser. A, 57,30 p. 1966. 11 Up62
English summary.
- 25630 JUNACK, H. Ergebnisse von Kulturdüngungsversuchen des forstlichen Versuchsringses Niedersachsen [Results of cultivation fertilizing trials in the forestry experimental rings of Lower Saxony]. Aus Walde 11,186 p. Ref. 1966. 99.8 Au15
- 25631 JUNG, J., and RIEHLE, G. Foliar and needle analytical evaluations in several years of fertilizing pot experiments of forest plants. (Ge) Forstwiss. Centrabl. 85(9/10):295-305. Ref. Sept./Oct.1966. 99.8 F775
Minerals.
- 25632 KEMENESY, E. Some current organizational problems in soil producing capacity management. I. (Hu) Magyar Mezőgazdaság 21(41): 7-8. Oct.12,1966. 19 M27
Fertilizing and tillage, chiefly.
- 25633 KNICKMANN, E. Pflanzenernährung im Gartenbau: Gemüse, Zierpflanzen [Plant nutrition in horticulture: vegetables and ornamental plants]. Ed. 2. Stuttgart, Ulmer, 1966. 282 p. Ref. (Handbuch des Erwerbsgartners, v. 4) 80 H194
Fertilizers.
- 25634 KOVACEVIC-TATIC, R., and others. Results of tests of several years of the comparative effect of regular and granulated superphosphates. (Se) Agrohemijska 12:667-674. 1965. 385 Ag87
Z. Stojanovic, Z. Popovic, N. Markovic, and M. Jankovic, joint authors.
Effect on yields of field crops.
- 25635 KUNDLER, P. Trends in the international development of mineral fertilizing. (Ge) Deut. Landwirt. 17(9):439-441. (Cont.) Sept.1966. 18 D4822
- 25636 KURTEN, P. W. Fertilizing of winter rape with grain as preliminary crop. (Ge) Mitt. Deut. Landwirt.-Ges. 81(38):1424,1426,1428. Sept.22,1966. 18 N39
- 25637 LACHOVER, D., and FELDHAJ, H. The evaluation of potassium metaphosphate as a source of potassium for potatoes with special references to foliar diagnosis, yield and quality of tubers. J. Agr. Sci. [London] 67(2):281-285. Ref. Oct.1966. 10 J822
Use as fertilizer in Israel.
- 25638 LAG, S. Usage of nitrogen fertilizers in Norway. Stikstof 10:102-103, map. Aug.1966. 57.9 St52Ae
- 25639 LATKOVICS, MRS. GY. Application at low dosage rates of amelioration substances with calcium and nitrogen content on irrigated sod. III. (Hu) Agrochem. Talajtan 15(1):51-60. Jan. 1966. 385 Ag63
English summary.
Pastures.
- 25640 LEVY, SIR B. Towards the third million. N. Z. [New Zealand] Fert. J. 29:15-16. Dec. 1966. 57.8 N48
Pasture fertilizing.
- 25641 LIPSCOMB, R. W., ROBERTSON, W. K., and CHAPMAN, W. H. Fertilization and spacing of peanuts. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:329-334. 1965, pub.1966. 56.9 So32
- 25642 MAKI, T. E. Need for fertilizers in wood production. Unasylva 20(3):49-54. Ref. 1966. 99.8 Un1
- 25643 MAMEDOV, T. A. Field crops used for the reclamation of soils in Shirvan. (Rus) Khlokovodstvo 9:22-23. Sept.1966. 72.8 K522
Green manures for cotton.
- 25644 MAZEPIN, K. G. Application of fertilizers and the agrochemical services in the German Democratic Republic. (Rus) Sakharn. Svekla 10:36-38. Oct.1966. 66.8 Su393
Field crops.
- 25645 MAZUN, A. M. Fertilization of the sugar beets grown on Chernozem soils in the Cherkassy Region. (Rus) Sakharn. Svekla 10:19. Oct.1966. 66.8 Su393
- 25646 MCCALEB, J. E., and others. Response of pangolagrass (*Digitaria decumbens* Stent.) to different ratios and amounts of nitrogen and potassium. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:69-75. Ref. 1965, pub. 1966. 56.9 So32
E. M. Hodges, C. L. Dantzman, D. W. Jones, R. J. Bullock, and W. G. Kirk, joint authors.
- 25647 MEHROTRA, C. L. Relative efficiency of rock-phosphate as compared to superphosphate. Wheat fertilizing. Fert. News 11(9):10-12. Sept.1966. 57.8 F4123
- 25648 MERBITZ, H. The humus supply of soil is deteriorating! (Ge) Mitt. Deut. Landwirt.-Ges. 81(38):1430-1433. Sept.22,1966. 18 N39
Organic fertilizing.
- 25649 MISRA, N. M., and PRASAD, K. Effect of sulphur fertilisation on yield of onion. Fert. News 11(10):18-19, 33. Ref. Oct.1966. 57.8 F4123

- 25650 MOLEN, VAN DER. Nitrogen usage in Western Europe. *Stikstof* 10:2-7, map. Aug. 1966. 57.9 St52Ae
- 25651 MOSOLOVA, A. I., and DMITRIEV, E. A. Effectiveness of some polymers in relation to barley yields. (Rus) *Moscow Univ. Vestnik. Ser. 6, Biol. Pochvoved.* 2:93-104. Mar./Apr. 1966. 442.9 M854
- 25652 MULLER, H. Use of phosphoric acid in growing seed potatoes on heavy soils. (Ge) *Kartoffelbau* 17(2):48-50. Feb. 1966. 75.8 K145
- 25653 NEUMANN, S. Nitrogen fertilizers for pastures. (Ge) *Berlin Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe* 15(2):281-290. Ref. 1966. 509 B453
English summary.
- 25654 NORDESTCARD, A. Experiments on application of increasing quantities of calcium nitrate to summer rape 1961 to 1965. (Da) *Tidsskr. Planteavl* 70(3):340-345. 1966. 11 T439
English summary.
- 25655 OELKER, G. Nitrogen fertilization in Italy. *Stikstof* 10:31-39, map. Aug. 1966. 57.9 St52Ae
- 25656 OLDS, J. From Moscow to Haarlem via Tanzania. *Compost Sci.* 7(2):17-18. Autumn 1966. 57.8 C734
Sewage disposal including its use as fertilizer.
- 25657 OLSON, R. A. Profitable alfalfa production in Nebraska. *Plant Food Rev.* 12(3):7-9. Fall 1966. 57.8 P694
Fertilizing and irrigation.
- 25658 ORTH, P. G. Response by tomato plants to phosphate placed with the seed. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:24-28. 1965, pub. 1966. 56.9 So32
- 25659 OZAKI, H. Y., and ILEY, J. R. Magnesium, iron, manganese, and zinc ammonium phosphates as fertilizer sources for eggplant. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:123-128. 1965, pub. 1966. 56.9 So32
- 25660 OZAKI, H. Y., and ILEY, J. R. Strawberry fertilization trials on sandy soils of the Lower East Coast. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:344-351. Ref. 1965, pub. 1966. 56.9 So32
- 25661 PADMOS, L. Nitrogen fertilization in the Netherlands. *Stikstof* 10:56-65, map. Aug. 1966. 57.9 St52Ae
- 25662 PARKER, F. W., and NELSON, L. B. More fertilizers for more food. *Nat. Acad. Sci. Proc.* 56(2):382-388. Ref. Aug. 15, 1966. 500 N21P
Crop fertilizing and fertilizer supply.
- 25663 PARKS, W. L. Alfalfa fertilization; annual applications are a must on most soils. *Plant Food Rev.* 12(3):10-11. Fall 1966. 57.8 P694
- 25664 PEKARY, K., and KRAMER, M. Investigation of the residual effect of nitrogen fertilizer in cereals on Chernozem-Brown Forest soil of Kompolt. (Hu) *Agrokem. Talajtan* 15(1):97-108. Jan. 1966. 385 Ag83
English summary.
- 25665 PESSI, Y. Nitrogen usage and its future development in Finland. *Stikstof* 10:74-77, map. Aug. 1966. 57.9 St52Ae
- 25666 POHLMANN, H., and PATZKE, W. Liquid manure and liquid manure utilization. (Ge) (Extr.) *Betriebswirtsch. Mitt. Wirtschaftsberater* 122:17-20. Nov. 15, 1964. 281.8 B462
Denmark.
- 25667 POLYAKOVA, N. V., and CHURKIN, K. G. Fertilization of sugar beets in the Central Urals. (Rus) *Sakharn. Svekla* 10:27-28. Oct. 1966. 66.8 Su393
- 25668 PRITCHETT, W. L., LUNDY, H. W., and BRELAND, H. L. Response of flue-cured tobacco to micronutrients. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:116-122. 1965, pub. 1966. 56.9 So32
- 25669 PSHEBEL'S'KYI, V. V., and PETRENKO, A. F. Using fertilizers in sugar beet seed crop rotation on light humic Chernozems. (Uk) *Visnyk Sil's'kohospodar. Nauk.* 5:31-35. May 1965. 20 V82
Russian summary.
- 25670 QURESHI, I. M., and SRIVASTAVA, P. B. L. Foliar diagnosis and mineral nutrition of forest trees. *Indian Forest.* 92(7):447-460. Ref. July 1966. 99.8 In2
- 25671 ROBERTS, F. J., and others. The prospects for nitrogen fertilizers in Western Australia. *Australian Inst. Agr. Sci. J.* 32(2):72-92, map. Ref. June 1966. 23 Au74
E. N. Fitzpatrick, W. J. Toms, E. A. N. Greenwood, and G. Oliver, joint authors.
On field crops and pastures.
- 25672 ROBERTSON, W. K., LUNDY, H. W., and THOMPSON, L. G. Peanut response to calcium sources and micronutrients. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:335-343. Ref. 1965, pub. 1966. 56.9 So32
- 25673 ROSENAUER, H. Advantages of leaf and/or plant analysis. *Mother Earth* 14(4):283-285. Oct. 1966. 56.8 M85
- 25674 ROSZAK, W. Study of the effect of perennial plants on soil productivity based on their activity on some elements of soil fertility and on the following crops. II. (Pol) *Rocz. Nauk Roln.* 91-A:3:571-592. Ref. 1966. 20.5 R59
English summary.
- 25675 RUTTI, R. Fertilizer usage in Switzerland with particular reference to nitrogen. *Stikstof* 10:86-93, map. Aug. 1966. 57.9 St52Ae
- 25676 SCHUHLY, P. Situation and trend in nitrogen fertilization in Germany. *Stikstof* 10:40-48, map. Aug. 1966. 57.9 St52Ae
- 25677 SENGUPTA, K. Fertiliser; the need of the hour. *Fert. News* 11(10):9-12. Oct. 1966. 57.8 F4123
Fertilizing and irrigation of rice.
- 25678 SHARMA, K. C., and SINGH, V. Response of Mexican wheat to nitrogen. *Fert. News* 11(9):18-22. Sept. 1966. 57.8 F4123
- 25679 SHITKAN, YU. A., and KARELIS, U. A. Liming soils in Latvia. (Rus) *Zemledelie* 9:34-36. Sept. 1966. 20 Z44
- 25680 SKORSTENGAARD, J. Nitrogen fertilizers in Danish agriculture. *Stikstof* 10:49-55, map. Aug. 1966. 57.9 St52Ae
- 25681 SMIRNOVA, V. S., KARAVAEV, V. N., and LEBEDEV, B. A. Industrial wastes used as fertilizers. (Rus) *Zemledelie* 9:40-43. Sept. 1966. 20 Z44
Vegetables.
- 25682 SOWINSKI, J. The influence of nitrogen fertilization gradation on the yield and its structure of spring barley in the conditions of periodical soil drought. (Pol) *Rocz. Nauk Roln.* 91-A-1:167-186. 1966. 20.5 R59
English summary.
- 25683 STIVERS, R. K. Yield response of small grains to nitrogen fertilization. *Ind. Acad. Sci. Proc.* 75:256-261. 1965, pub. 1966. 500 In2
Wheat and oats.
- 25684 STRZHEMSKI, M. M. Rating of arable soils in Poland. (Rus) *Pochvovedenie* 8:26-32. Aug. 1966. 57.8 P34
- 25685 STURM, F. Nitrogen fertilization in Austria. *Stikstof* 10:66-73, map. Aug. 1966. 57.9 St52Ae
- 25686 SUTTON, P. Effect of nitrogen, phosphorus and potassium on squash yield. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:46-50. 1965, pub. 1966. 56.9 So32
- 25687 SWAN, H. S. D. Studies of the mineral nutrition of Canadian pulpwood species; the use of visual symptoms, soil and foliage analyses and soil bio-assays for the determination of the fertilizer requirements of forest soils. *Woodlands Res.* Index 179, 11 p. Ref. June 1966. 99.8 W855A

Soil Tillth and Tillage

- 25688 TANNER, C. C. Nitrogen fertilization in Britain; past, present and future. *Stikstof 10:20-30*, map. Aug. 1966. 57.9 St52Ae
- 25689 THOMPSON, L. Brown mud, a substitute for limestone. *Ark. Farm Res.* 15(5):9. Sept./Oct. 1966. 100 Ar42F
Waste by-product of aluminum industry.
- 25690 THOMPSON, L. G., and CHAPMAN, W. H. Fertilization of oats and rye for forage. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting: 263-270. 1965, pub. 1966. 56.9 So32
- 25691 ULRICH, B. Problem of the lime fertilizers. (Ge) *Kartoffelbau* 16(1):13-14. Jan. 1965. 75.8 K145
Potatoes.
- 25692 VAN HAERINGEN, J. Maize fertilizer investigations on the Atherton Tableland, Queensland. *Queensland J. Agr. Anim. Sci.* 22(4):485-495. Dec. 1965. 23 Q37
Nitrogen, phosphorus, and potassium.
- 25693 VERTIL, S. A., and MEL'NIKOV, N. I. Effect of rates and terms of application of nitrogen fertilizer on yield and baking quality of winter wheat. (Rus) *Agrokimiya* 10:13-12. Ref. Oct. 1965. 385 Ag89
- 25694 VINOGRADOV, G. N. The effect of fertilizers on the yield and quality of lettuce. U. S. Joint Publ. Res. Serv. [Transl.] *Plant Physiol. Effect Fert. Crops Build-up Radioact. Prod. USSR*, Dec. 22, 1964:18-30. Ref. (JPRS 27,940; TT 64-51982) 173 J663PL
Translation from *Vestnik Moskovskoe Universitet. Seriya VI. Biologiya, Pochvovedenie*, 5:70-79. Sept./Oct. 1964. CFTSI \$2.00.
- 25695 VISVANATHAN, T. R. Nitrophosphate; a new complex fertilizer; results of field trials on paddy. *Fert. News* 11(9):15-16, 30. Sept. 1966. 57.8 F4123
- 25696 VLASYUK, F. Chemicalization of plant growing. (Uk) *Visnyk Sil'skohospodar. Nauk.* 4: 3-8. Apr. 1965. 20 V82
Russian summary.
Application of fertilizers.
- 25697 VOINALOVICH, N. A. Nitrogen in soddy-podzolic soils, its dynamics and the effectiveness of nitrogen fertilizers under potatoes and corn. (Rus) *Agrokimiya* 10:18-23. Oct. 1965. 385 Ag89
- 25698 VOORSPOELS, F. J. Nitrogen fertilization in the Belgium/Luxemburg Economic Union. *Stikstof 10:78-85*, map. Aug. 1966. 57.9 St52Ae
- 25699 WALSH, L. M. 600 million forgotten acres? *Plant Food Rev.* 12(3):4-6, 15. Fall 1966. 57.8 P694
Fertilizing of hay and pasture lands.
- 25700 WATERS, W. E. Nutrient requirements of gladiolus cormels on sandy soils of Florida. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting: 59-63. 1965, pub. 1966. 56.9 So32
- 25701 WELCH, C. D. Fertilizers contribute to Texas agriculture. *Tex. Agr. Progr.* 12(4):16. Fall 1966. 100 T31Te
- 25702 WELLS, N., and WHITTON, J. S. The influence of dairy factory effluents on soil and plant composition. *New Zeal. J. Agr. Res.* 9(3):565-575. Aug. 1966. 23 N4892
As fertilizer on white clover and ryegrass.
- 25703 WHITTINGTON, J. Aqua ammonia for direct use. *Agr. Chem.* 21(11):14-17, 97-98. Nov. 1966. 381 Ag8
- 25704 YOUNGE, O. R., and PLUCKNETT, D. L. Quenching the high phosphorus fixation of Hawaiian latosols. *Soil Sci. Soc. Amer. Proc.* 30(5):653-655. Sept./Oct. 1966. 56.9 So3
Prevention of phosphorus fixation and low yields through heavy initial phosphorus application.
- 25705 ZLYDENNAYA, G. I. Liming of the soddy podzolic soils. (Rus) *Zemledelie* 9:37-40. Sept. 1966. 20 Z44
- 25706 ASLYNG, H. C. Tillage problems and tillage research in Denmark. *Grundforbattering* 19(1):13-16. 1966. 54.8 G92
- 25707 BATCHELDER, D. G., and PORTERFIELD, J. G. Application of mulches for improved seedling emergence. *Amer. Soc. Agr. Eng. Pap.* 161, 8 p. 1966. 290.9 Am32P
Cotton.
- 25708 DOWDING, E., FERGUSON, J. A., and BECKER, C. F. A comparison of four summer-fall tillage methods based on seasonal-tillage energy requirement, moisture conservation, and crop yield. *Amer. Soc. Agr. Eng. Pap.* 122, 15 p. 1966. 290.9 Am32P
- 25709 FEITSARENKO, A. M., and MARTYNOVICH, N. N. Fallows in the zone of unstable moisture. (Rus) *Sakharn. Svekla* 10:20-22. Oct. 1966. 66.8 Su393
Sugar beets.
- 25710 HAKANSSON, I. Model experiments in the field for studying soil tillage. *Grundforbattering* 19(1):111-116. 1966. 54.8 G92
- 25711 HAMMAR, O. Of interest just now: fall plowing. (Sw) *Jord Skog* 17(7):16-17, 44. 1965. 56.8 M373
- 25712 HEGYI, G. Stubble stripping and care. (Hu) *Mezőgazdasági Világtudomány* 8(5):388-391. Ref. 1966. 19 M577
Review of literature.
- 25713 HEINONEN, R. Tillage problems and tillage research in Sweden. *Grundforbattering* 19(1):27-30. 1966. 54.8 G92
- 25714 INTERNATIONAL CONFERENCE ON CHARACTERIZATION PROBLEMS IN SOIL TILLAGE, OCTOBER 5-9 1965, AAS, NORWAY. *Proceedings. Grundforbattering* 19(1):1-116. (Cont.) 1966. 54.8 G92
Organized by the Committee on Soil Tillage of the Scandinavian Agricultural Research Workers Association [Nordiska Jordbruksforskarens Forening. Jordbearbetningskomiteen].
- 25715 JOHNSON, A. The role of cultivation in soil management. *Agr. Gaz. New S. Wales* 77(9):532-535. Sept. 1966. 23 N472
- 25716 KAISER, G. Fall soil works on bound soils for grapes. (Hu) *Kerteszet Szolesz.* 15(20):18-19. Oct. 1966. 80 K474
Tillage.
- 25717 LUTRICK, M. C. Progress of mulch planting corn and soybeans in Florida. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting: 51-58. 1965, pub. 1966. 56.9 So32
- 25718 NJOS, A. Tillage problems and tillage research in Norway. *Grundforbattering* 19(1):21-25. 1966. 54.8 G92
- 25719 NORDESTGARD, A. Experiments with hoeing of opium poppy. (Da) *Tidsskr. Planteavl* 10(3):337-339. 1966. 11 T439
English summary.
- 25720 OOSTHOEK, J. Tillage of greenhouse soils. (Du) *Groenten Fruit* 22(20):809. Nov. 23, 1966. 80 G89
- 25721 OVERCASH, J. P. Organic mulches improve strawberry plant growth. *Miss. Agr. Exp. Sta. Bull.* 728, 7 p. July 1966. 100 M69
- 25722 PRETTENHOFER, I. Subsoiling on lime-deficient alkali soils of Tiszantul and on fixed pasture soils. (Hu) *Magyar Mezőgazdaság* 21(44):9. Nov. 2, 1966. 19 M27
- 25723 RITCHIE, W. F. Land preparation for tropical pastures. *Power Farming Australia New Zeal. Better Farming Dig.* 75(10):23, 25. Oct. 1966. 58.8 P87
- 25724 SHENYAVSKII, A. New methods in the soil tillage. (Rus) *Zemledelie* 9:74-79. Sept. 1966. 20 Z44
- 25725 SHULMEISTER, K. G. Basic cultivation of soils. (Rus) *Zemledelie* 9:10-13. Sept. 1966. 20 Z44

- 25726 VAN DEN BERG, G. E., and REAVES, C. A. Characterization of soil properties for tillage tool performance. *Grundforbattering* 19(1):49-58. 1966. 54.8 G92
- 25727 YAROVENKO, V. V. Preparing soil for cultivation of sugar beets in the Don River flood-plain. (Rus) *Sakharn. Svekla* 9:25-26. Sept. 1966. 66.8 Su393

Drainage, Irrigation, Water Supply, and Flood Control

- 25728 AMERMAN, C. R. Variable base runoff recession on a small wooded watershed. *Amer. Soc. Agr. Eng. Pap.* 206,25 p. Ref. 1966. 290.9 Am32P Ohio.
- 25729 ANDERSEN, S. A. Mechanical placing and packing of plastic drainage pipes. (Da) *Nord. Jordbrugsforsk.* 48(3):256-259. 1966. 11 N752
- 25730 BANDINI, A. Economic problem of irrigation canals: seepage losses. *Amer. Soc. Civil Eng. J.* 92(IR4,proc.pap.5034):35-57. Dec.1966. 290.9 Am3Ps
- 25731 BRINK, N., and JONSSON, B. Transport of soil material in plastic drain pipes. (Ge) *Z. Kulturb. Flurbereinigung* 7(5):291-299. Sept./Oct.1966. S605.A1Z4 English summary.
- 25732 BURFORD, J. B., and LILLARD, J. H. Relation of selected characteristics to hydrologic performance of two small watersheds. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(3):394-397, map. 1966. 290.9 Am32T Runoff.
- 25733 BUSCH, C. D., and TURNER, F. Sprinkler irrigation with high salt-content water. *Amer. Soc. Agr. Eng. Pap.* 217,9 p. 1966. 290.9 Am32P
- 25734 CARREKER, J. R., LONG, F. L., and DANIELS, J. M. Drainage properties of some soils in the Atlantic Coast Flatwoods. *Amer. Soc. Agr. Eng. Pap.* 228,11 p., map. 1966. 290.9 Am32P
- 25735 CARTER, W. H., and SARVER, R. D. Three-point power driven tractor ditcher. *Amer. Soc. Agr. Eng. Pap.* 141,17 p. 1966. 290.9 Am32P For drainage in sugarcane culture.
- 25736 CHALYI, V. P., and BURD, V. S. Investigating working parts of the furrow type irrigation equipment. (Rus) *Traktory Sel'khoz mashiny* 9:30-31. Sept.1966. 55.8 T68
- 25737 CHEBOTAREV, N. P. Theory of stream runoff. 464 p. (TT 65-50027) GB665.C48 Published pursuant to an agreement with the U. S. Department of Agriculture and the National Science Foundation, Washington, D. C. Bibliography, p.439-462. Translation of Uchenie o Stoke. CFSTI: \$7.72.
- 25738 CLUFF, C. B. Final report on research on evaporation reduction relating to small reservoirs, 1963-65 (Contract No. 14-06-D-5045). *Ariz. Agr. Exp. Sta. Tech. Bull.* 177,47 p. Ref. Oct.1966. 100 Ar4 Prepared for the Bureau of Reclamation, U. S. Department of the Interior.
- 25739 DEERING, R. E. Beets on the fallow land. *Farm Quart.* 21(5):38-41, 90. Fall 1966. 6 F22995 Irrigation.
- 25740 DEGAN, A., GINI, M., and ZOTTO, G. DAL. The permanent sprinkling systems for slow rain irrigation. (It) *Irrigazione* 13(2/3):24-32. June/Sept.1966. 55.8 Ir733 English summary.
- 25741 DENSLOW, S. O. Spatial aspects of water resource problems in the Saginaw River Basin: a case study. *Diss. Abstr.*, Sect. B, 27(4): 1131B. Oct.1966. Z5055.U49D53
- 25742 DOMINY, F. E. Design of desilting works for irrigation systems. *Amer. Soc. Civil Eng. J.* 92(IR4,proc.pap.4998):1-26. Dec.1966. 290.9 Am3Ps
- 25743 DUKHOVNIY, V. V. Some experience in construction and operation of water collectors in new irrigation zone of Golodnya Step. (Rus) *Gidrotekh. Melior.* 10:1-10. Oct.1966. 290.8 G362
- 25744 ELLIOTT, W. The peacock syndrome: barriers to economic development in Egypt. *Harvard Univ. Grad. Sch. Public Admin. Public Policy* 15:212-262. Ref. 1966. 280.9 H263 Includes reclamation projects and land reform.
- 25745 EPSTEIN, E., and GRANT, W. J. Rock and crop management; effects on runoff and erosion in the Aroostook potato producing area. *Amer. Soc. Agr. Eng. Pap.* 210,11 p. 1966. 290.9 Am32P Includes the rotation.
- 25746 ERDOS, L. Potential evaporation from different wet surfaces. (Hu) *Idojaras* 70(4):219-228. Ref. July/Aug.1966. 340.8 Id5 English summary. Includes soil evaporation.
- 25747 ERIKSSON, J. Flow rate in plastic and tile drains. (Sw) *Grundforbattering* 19(2):185-190. 1966. 54.8 G92
- 25748 ERIKSSON, J. Protection of plastic drains installation. (Sw) *Grundforbattering* 19(2):151-157. 1966. 54.9 G92
- 25749 EVANS, L. H. The Moira Irrigation Scheme, a co-operative effort by progressive farmers. *Agr. Gaz. New S. Wales* 77(7):386-391. July 1966. 23 N472
- 25750 FELITSANT, I. N. Regularity of capillary movement of water and of salt solutions in stratified soils; an experimental study. 88 p. Ref. (TT 66-51052) S594.F43 Translation of Opyt Izucheniya Zakonomernosti Kapillyarnogo Peredvizheniya Vody i Rastvorov Solei v Sloistnykh Gruntakh CFSTI: \$3.00.
- 25751 FEODOROFF, and GUYON. Remarks on the choice of a system of soil drainage adapted to conditions of the environment. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(10):754-760. June 1, 1966. 14 P215Bc
- 25752 FERRO, O., and DEGAN, A. The programming analysis to determine productive arrangement and for economical opportunity of irrigation plans. (It) *Irrigazione* 13(2/3):14-23. June/Sept.1966. 55.8 Ir733 English summary.
- 25753 FITTON, A. H. Farming the mosslands of Lancashire. *Roy. Agr. Soc. Engl. J.* 126:73-82, map. 1965. 10 R81 Reclamation.
- 25754 FITZGERALD, P. D., and LOBB, W. R. The effects of a roster system on irrigation frequency. *New Zeal. J. Agr. Res.* 9(3):729-737. Aug.1966. 23 N4892
- 25755 FREEMAN, A. M. Adjusted benefit-cost ratios for six recent reclamation projects. *J. Farm Econ.* 48(4,pt.1):1002-1012. Ref. Nov.1966. 280.8 J822
- 25756 CARTON, J. E. Designing an automatic cut-back furrow irrigation system. *Okl. Agr. Exp. Sta. Bull.* B-651,20 p. Oct.1966. 100 Ok4
- 25757 GLASS, L. J., and SMERDON, E. T. Effect of rainfall on the velocity distribution of shallow channel flow. *Amer. Soc. Agr. Eng. Pap.* 208, 17 p. Ref. 1966. 290.9 Am32P
- 25758 HAKANSSON, A. Investigations and tests with drainage pipes of plastic carried out in Sweden. (Sw) *Nord. Jordbrugsforsk.* 48(3):244-245. 1966. 11 N752
- 25759 HAKANSSON, A. Practical use of plastic drainage pipes in Sweden. (Sw) *Nord. Jordbrugsforsk.* 48(3):254-256. 1966. 11 N752
- 25760 HARILDSTAD, E. Plastic drainage pipes, testing and trials, Norway. (No) *Nord. Jordbrugsforsk.* 48(3):217-244. 1966. 11 N752

- 25761 HARILDSTAD, E. Use of plastic drainage pipes. (No) Nord. Jordbrugsforsk. 48(3):250-253. 1966. 11 N752
- 25762 HEARN, A. B., RIJKS, D. A., and WILCOX, D. E. Reclamation of ancient agricultural soils in Wahidi, South Arabia. Exp. Agr. 2(4):279-286. Oct. 1966. 10 Ex72
Irrigation of cotton.
- 25763 HORN, D. L. Method for determining minimum cum cost farm irrigation pipeline design. Amer. Soc. Agr. Eng. Pap. 215, 19 p. 1966. 290.9 Am32P
- 25764 HOUT, F. B. Ground Water Resources Institute: organization and objectives. Amer. Soc. Agr. Eng. Pap. 219, 8 p. 1966. 290.9 Am32P
- 25765 HUFSCHMIDT, M. M., and FIERING, M. B. Simulation techniques for design of water-resource systems. Cambridge, Harvard University Press, 1966. 212 p. Ref. TC409.H8
Includes irrigation and flood control benefits.
- 25766 HULPOI, N., PICU, I., and NEGOMREANU, V. Tests with soybeans grown under irrigation conditions. (Rum) Probl. Agr. [Bucharest] 17(5):40-50. May 1966. 21 R862
English summary.
- 25767 HULSHOF, H. J., and BERG, J. A. VAN DEN. Drainage in horticulture. (Du) Neth. Dir. Tuinbouw. Mededel. 29(6):253-257. Ref. June 1966. 86 N384
English summary, p.264.
- 25768 HUSEMANN, C. Historical development of the concept land improvement. (Ge) Z. Kulturtch. Flurbereinigung 7(4):225-227. July/Aug. 1966. S605.A1Z4
- 25769 IRWIN, R. W. Drainage problems with organic soils. Amer. Soc. Agr. Eng. Pap. 227, 6 p. Ref. 1966. 290.9 Am32P
- 25770 JANES, B. E., and BRUMBACH, J. J. Estimation of water available for plant growth in Connecticut in 1965. Conn. (Storrs) Agr. Exp. Sta. Bull. 397, 16 p., map. June 1966. 100 C765
- 25771 JOHNSON, K. L. An analysis of state regulations of surface-ground water development and use in Colorado. Diss. Abstr., Sect. A, 27(3):786A. Sept. 1966. Z5055.U49D5
- 25772 JORDAN, P. W., and BOWMAN, C. C. Measurement of snow-water equivalent from aircraft. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):379-381. 1966. 290.9 Am32T
In streamflow forecasts.
- 25773 KAITERA, P., and PERALA, T. Determination of thickness for plastic drainage pipes. (Sw) Nord. Jordbrugsforsk. 48(3):259-264. 1966. 11 N752
- 25774 KANE, H. E. Some aspects of the drainage geography and sedimentation of a portion of southeastern Texas. Ind. Acad. Sci. Proc. 75:197-201, map. 1965, pub. 1966. 500 In2
- 25775 KEARNS, J. T. Water conservation and its application to New England. Amer. Water Works Ass. J. 58(11):1379-1384. Nov. 1966. 292.9 Am32J
- 25776 KENT, K. M. Hydraulic predictions of downstream floods. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):347-351. 1966. 290.9 Am32T
- 25777 KLEINHENZ, A. F. Managing water in muck soils—Marsh Run Watershed Project. Amer. Soc. Agr. Eng. Pap. 229, 4 p. 1966. 290.9 Am32P
Includes drainage and irrigation.
- 25778 KNUDSEN, H., and GREGERSEN, A. Water and nitrogen for barley varieties, 1962-65. (Da) Tidsskr. Planteavl 70(3):346-352. 1966. 11 T439
- 25779 LANNE, P., LETOUBLON, J., and DIVOUX, R. Lessons of four years of study of overhead irrigation in Santerre. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):833-841. June 15/22, 1966. 14 P215Bc
Includes discussion.
- 25780 LAPIDOVSKII, K. M. Drainage of the water logged soils. (Rus) Zemledelie 9:3-7. Sept. 1966. 20 Z44
- 25781 LEBEDEV, B. M. Long distance overhead irrigation equipment with increased power output. (Rus) Traktory Sel'khoz mashiny 9:23-27. Sept. 1966. 58.8 T68
- 25782 LECROY, W. C., and THOMAS, F. H. Water control for sugarcane production on organic soils. Fla. Everglades Exp. Sta. Mimeo Rep. EES661-11, 3 p. Aug. 1966. 100 F663
- 25783 LEWIS, R. A. Early irrigation in west Turkestan. Ass. Amer. Geogr. Ann. 56(3):467-491, map. Ref. Sept. 1966. 500 As73
- 25784 MANSON, P. W., and BLAISDELL, F. W. Computing energy losses at drainline junctions. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):445-448. 1966. 290.9 Am32T
- 25785 MARSTON, R. H. A method for the hydraulic design of tide gates. Amer. Soc. Agr. Eng. Pap. 224, 15 p. 1966. 290.9 Am32P
- 25786 MCCOOL, D. K., and others. Spatially varied steady flow in a vegetated channel. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):440-444. 1966. 290.9 Am32T
W. R. Gwinn, W. O. Ree, and J. E. Garton, joint authors.
- 25787 MEYER, B., and HIPPE, H. Silage fodder pits as causes of saprophytic clogging and iron oxide deposits in drain pipes. (Ge) Z. Kulturtech. Flurbereinigung 7(5):300-303. Sept./Oct. 1966. S605.A1Z4
English summary.
- 25788 MILLS, W. C. Storm rainfall in central and southern Florida. Soil Crop Sci. Soc. Fla. Proc., 25th Annu. Meeting:311-319, map. 1965, pub. 1966. 56.9 So32
- 25789 MOHAMMAD, G. Development of irrigated agriculture in East Pakistan: some basic considerations. Pakistan Develop. Rev. 6(3):313-375. Autumn 1966. 280.8 P17
Bibliography, p.365-369.
- 25790 MULDER, C. E. G. Cotton under irrigation. Farming S. Afr. 42(6):41, 43. Sept. 1966. 24 So842
- 25791 MUSICK, J. T., and SLETTEN, W. H. Grain sorghum irrigation-water management on Richfield and Pullman soils. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):369-371, 373. 1966. 290.9 Am32T
- 25792 NORTH, J. J. Costs of irrigation. Farm Mech. 18(206):19-20. Oct. 1966. 58.8 B772
Equipment and labor.
- 25793 ORCELLET, R. Refining the water. II. Treatment of irrigation water. (Ge) Tech. Gartenbau 4:2-3. Apr. 1966. 80 T223
- 25794 PESTRONG, R. The development of drainage patterns on tidal marshes. Stanford, 1965. 87 p. Ref. p.85-87. (Stanford University. School of Earth Sciences. Stanford University Publications. Geological Sciences, v. 10, No. 2) GB621.P4
Technical report under the Office of Naval Research, Contract Nour-4430 (00).
- 25795 PHILLIPS, R. L., and JACOBSON, P. Tests of a slotted-flume outlet. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):433-436. 1966. 290.9 Am32T
Selection of culvert elevation for streams.
- 25796 PIOLANTI, G. Agricultural control of the Bouyoucos instrument of maize field. (It) Irrigazione 13(2/3):44-47. June/Sept. 1966. 55.8 Ir733
English summary.
Overhead irrigation.
- 25797 RAVELLI, F., NAPOLI, T., and FLORIS, F. Inquiry on the correlation between the coefficient of uniformity of the sprinkled water and the intensity of the wind in the Fortore District (Puglia). (It) Irrigazione 13(2/3):34-42. June/Sept. 1966. 55.8 Ir733
English summary.
- 25798 REGGIO, L. The sprinkling irrigation practice in Valle d'Aosta. (It) Irrigazione 13(2/3):56-67. June/Sept. 1966. 55.8 Ir733
English summary.

- 25799 RHOADES, E. D., and COX, M. B. Water intake and runoff rates of two small watersheds in relation to cropping treatment. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):340-342. 1966. 290.9 Am32T
Tillage and rotation.
- 25800 ROBERTSON, A. P., and others. Runoff from impervious surfaces under conditions of simulated rainfall. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):343-346,351. Ref. 1966. 290.9 Am32T
A. K. Turner, F. R. Crow, and W. O. Ree, joint authors.
- 25801 ROBINSON, A. R., and others. Irrigation notebook: what kind of ditches or pipelines should you have? World Farming 8(10):25-27,46. Oct. 1966. 30.08 W89
C. W. Lauritzen, D. C. Muckel, and J. T. Phelan, joint authors.
- 25802 ROBINSON, A. R. Water measurement in small irrigation channels using trapezoidal flumes. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):382-385,388. 1966. 290.9 Am32T
- 25803 ROGOWSKI, A. S., and others. Tile drainage experimentation on Webster soils: results of years 1954-1963. Iowa State J. Sci. 41(1):25-40. Ref. Aug. 1966. 470 I09
W. D. Shrader, H. P. Johnson, and D. Kirkham, joint authors.
- 25804 SAX, K. W. Water resources site preservation on Federal lands. Amer. Soc. Civil Eng. J. 92(HY,proc.pap.4976):81-94. Ref. Nov. 1966. 290.9 Am32Ps
- 25805 SCHADE, R. O. New sprinkler systems save irrigation labor costs; a study of hose-pipe and overhead systems in Tulare County, Calif. Agr. 20(10):10-11. Oct. 1966. 100 C12Cag
- 25806 SCHWAB, G. O., and others. Crop response from tile and surface drainage. Soil Sci. Soc. Amer. Proc. 30(5):634-637. Ref. Sept./Oct. 1966. 56.9 S03
G. S. Taylor, J. L. Fouss, and E. Stibbe, joint authors.
- 25807 SHEINKIN, G. YU., SURIN, V. A., and GORBU-NOVA, E. N. Orositel'naya sel's s zakrytyimi truboprovodami [Underground irrigation system]. Moskva, Kolos, 1965. 222 p. Ref. TC885.S5
Cotton.
- 25808 SHEYNKIN, G. Y., and SURIN, V. A. Polymers in irrigated agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov.5, 1964:49-57. (JPRS 27,230; TT 64-51485) 173 J663Uc
Polyethylene equipment.
Translation from Khimiya v Sel'skom Kho-zyaistve 8:52-56. Aug. 1964.
Issued by CFSTI.
- 25809 SHUBLADZE, K. Soil melioration program in the USSR. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:105-109. 1966. 20 M57
Irrigation and drainage policies.
- 25810 SHUMAKOV, B. A. Mekhanizatsiya rabot v oroshaemom zemledelii [Mechanizing work in irrigation farming]. Rostov-na-Donu Rostovskoe Knizhnoe Izdatel'stvo, 1965. 153 p. TC885.S55
- 25811 SHUMAKOV, B. B., and PARAMONOV, M. I. Selection of probability percentage of flows for basin irrigation systems. (Rus) Gidrotekh. Melior. 10:20-26. Oct. 1966. 290.8 G362
- 25812 SKOV, K. S. Investigations and test with plastic drainage pipes in Denmark. (Da) Nord. Jordbrugsforsk. 48(3):212-217. 1966. 11 N752
- 25813 SKOV, K. S. Standardization of plastic drainage pipes. (Da) Nord. Jordbrugsforsk. 48(3):246-250. 1966. 11 N752
- 25814 SMITH, S. T. The relationship of flooding and saline water tables. West. Australia. Dep. Agr. J. (ser.47)(8):334-335,338-340. Aug. 1966. 23 W52J
- 25815 SOBOLEVSKII, YU. A. Ustoichivost' otkosov meliorativnykh kanalov [Stability of the slopes of drainage canals]. Minsk, Urozhai, 1965. 212 p. Ref. TC978.W586
- 25816 SOLOGUBOV, N. YA. On the depth of drainage installations in Belorussia. (Rus) Gidrotekh. Melior. 10:38-39. Oct. 1966. 290.8 G362
- 25817 SRIVASTAVA, S. C., and MENON, R. G. A technique for maintaining a constant level of soil moisture in pot culture studies. Cur. Sci. 35(16):422-423. Aug. 20, 1966. 475 SC123
In relation to sugarcane.
- 25818 STEGMAN, E. C., ERICKSON, A. E., and KIDDER, E. H. Characterization of soil aeration during sprinkler irrigation. Amer. Soc. Agr. Eng. Pap. 214,18 p. Ref. 1966. 290.9 Am32P
- 25819 STRACK, H. Zum hydraulischen Verhalten von Leitungen aus Steinzeugrohren [Hydraulic behavior of conduction from stone pipes]. Bonn, Univ. Landwirt. Fak. Inaug.-Diss. 19, 119 p. 1965. 105.8 B644
Bibliography, p.5-11.
For drainage.
- 25820 STUCKY, G. E. Operational use of evapotranspiration values in the Northeast. Amer. Soc. Agr. Eng. Pap. 213,10 p. 1966. 290.9 Am32P
For irrigation purposes.
- 25821 SWANSON, N. P., and DEDRICK, A. R. Simulation of increased slope length on small runoff plots. Amer. Soc. Agr. Eng. Pap. 211,8 p. 1966. 290.9 Am32P
- 25822 TABUCHI, T. Experiment on suction drain from an ideal soil. Soil Sci. 102(5):329-332. Nov. 1966. 56.8 S03
- 25823 THIELE, H. Drainage technique. (Ge) Lohn-unternehmen Land-Forstwirtschaft. 21(11):265-267. Nov. 15, 1966. 58.8 D81
Equipment.
- 25824 TOVEY, R., and PAIR, C. H. Measurement of intake rate for sprinkler irrigation design. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):359, 363. 1966. 290.9 Am32T
- 25825 UGORCHINSKII, S. Irrigation of wheat and corn in Bulgaria. (Rus) Gidrotekh. Melior. 10:50-51. Oct. 1966. 290.8 G362
- 25826 UHDE, O. Fifty years of observations of drain pipe subsidences in raised bogs. (Ge) Z. Kulturtech. Flurbereinigung 7(4):200-206. July/Aug. 1966. 5805.A1Z4
English summary.
- 25827 UZUNOV, B. Cooperation in the field of melioration. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:103-105. 1966. 20 M57
Irrigation and drainage policies in the USSR block.
- 25828 VAIGNEUR, H. O., and JOHNSON, H. P. Drainage design based on moisture balance. Amer. Soc. Agr. Eng. Pap. 225,25 p. Ref. 1966. 290.9 Am32P
- 25829 VYRLEV, I. Mechanization and automation of self-fed irrigation. 5 p. Transl. 16216
Translation from Mezhdunarodnyi Sel'skokho-zyaistvennyi Zhurnal 8(2):97-100. 1964.
- 25830 WALKER, A. L., and others. The economic significance of Columbia Basin Project development. Wash. Agr. Exp. Sta. Bull. 669,62 p., map. Sept. 1966. 100 W27E
B. D. Parrish, H. O. Ward, J. W. Adams, O. L. Brough, and D. F. Schuy, joint authors.
Bureau of Reclamation, cooperating.
- 25831 WANG, W. L. L., DUNLOP, S. G., and MUNSON, P. S. Factors influencing the survival of Shigella in wastewater and irrigation water. Water Pollut. Contr. Fed. J. 38(11):1775-1781. Ref. Nov. 1966. 293.8 S68
- 25832 WEICHHOLD, R. Testing irrigation of greenhouse vegetables, by using Gela sprinkler. (Ge) Arch. Gartenbau 13(8):609-618. 1965. 80 Ar2
English summary.
- 25833 WEISENBORN, K. Inspecting and flushing drainage tiles on marshes. (Ge) Obstbauer-suchsring Alten Landes. Mitt. 21(4):126-129. Apr. 1966. 85 J76

- 25834 WILLARDSON, L. S., ARELLANO, M. T., and BECKER, E. R. Comparative laboratory tests of new drainage conduits. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):352-354, 358. 1966. 290.9 Am32T
- 25835 WOLFF, P. Fundamentals and problems of "Landeskultur" in Australia. (Ge) Z. Kultur-
tech. Flurbereinigung 7(5):274-290, map. Ref. Sept./Oct. 1966. S605.A1Z4
English summary.

Erosion and Erosion Control

- 25836 ALLEYNE, E. P., and PERCY, M. J. Run-off and soil loss on two small watersheds in the Northern Range, Trinidad. Trop. Agr. [St. Augustine] 43(4):323-326. Oct. 1966. 26 T754
- 25837 ASHWELL, I. Y. Glacial control of wind and of soil erosion in Iceland. Ass. Amer. Geogr. Ann. 56(3):529-450, map. Ref. Sept. 1966. 500 A873
- 25838 DENISENKO, I. Exchanging experience in control of soil erosion. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:116-118. 1966. 20 M57
USSR block.
- 25839 EPSTEIN, E., GRANT, W. J., and STRUCHTE-MEYER, R. A. Effects of stones on runoff, erosion, and soil moisture. Soil Sci. Soc. Amer. Proc. 30(5):638-640. Sept./Oct. 1966. 56.9 So3
- 25840 GOUVEIA, D. H. G. Let us conserve the natural resources. (Por) Gaz. Agr. Angola 11(9):1366-1367. Sept. 1966. 24 G252
Soil conservation.
- 25841 JOUBERT, P. W. B. Action programme against wind erosion. Farming S. Afr. 42(7):43, 45. Oct. 1966. 24 So842
- 25842 JOUBERT, P. W. B., and VORSTER, P. J. Why do we have dust-storms? Farming S. Afr. 42(7):45, 47. Oct. 1966. 24 So842
- 25843 JOUBERT, P. W. B. Windbreaks are invaluable. Farming S. Afr. 42(7):31, 33. Oct. 1966. 24 So842
Wind erosion control.
- 25844 KRUPENIKOV, I. A., and GODEL'MAN, YA. M. Necessity for soil studies in reclamation of slopes. (Rus) Sadovodstvo 9:10-12. Sept. 1966. 80 Sa13
Terracing in erosion control.
- 25845 LIEBENBERG, E. F. Arrest the wind—ere if is too late! Farming S. Afr. 42(7):33, 35-39. Oct. 1966. 24 So842
Review of literature on wind erosion.
- 25846 MYERS, V. I., and TOVEY, R. Accurate, rapid evaluation of erosion from irrigation furrows. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):404-405. 1966. 290.9 Am32T
- 25847 ORBAIZ, A. Soil conservation. (Sp) Soc. Rural Argent. An. 100(7):135, 137, 139. July 1966. 9 So1
- 25848 SCHWAAR, D. C. Development of environment between 1949 and 1963 in a test region of central Tunisia: detailed study carried out by photointerpretation. (Fr) Photogrammetria 21(4):105-114. Aug. 1966. 325.26 P562
English summary.
With application to soil erosion and vegetation research.
- 25849 SEWARD, C. L., and BOONE, J. D. Erosion craters Kimble County, Texas. Tex. J. Sci. 18(2):184-190, map. June 22, 1966. 470 T31
- 25850 SZABO, L. Soil erosion studies in Godollo. (Hu) Magyar Mezőgazdaság 21(45):11. Nov. 9, 1966. 19 M27
- 25851 VAN DER MERWE, J. P. Soil conservation—where do we stand? Farming S. Afr. 42(5):46-47. Aug. 1966. 24 So842
- 25852 VORSTER, P. J. Winter practices against wind. Farming S. Afr. 42(7):39, 41. Oct. 1966. 24 So842
Wind erosion control.

Sanitation

- 25853 COLBRAN, R. C. Soil sampling for nematodes. Queensland Agr. J. 92(8):449-450. Aug. 1966. 23 Q83
In connection with fumigation.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 25854 BASTISSE, E. M. Recent possibilities on the phosphorus fertilizing of soils and plants. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):810-815. June 15/22, 1966. 14 P215Bc
A list of phosphorus-containing products.
- 25855 MIKES, J., and GATI, F. Condensation compounds of carbamide as nitrogen fertilizer. (Hu) Agrokem. Talajtan 15(1):141-152. Jan. 1966. 385 Ag83
Review of literature.
- 25856 WEISER, H., and RIEDEL, V. The use of various methods for determining P_2O_5 in phosphate fertilizers. (Ge) Chem. Tech. 18(9):561-564. Ref. Sept. 1966. 384 C4283

Mineral Soil Amendments

- 25857 SZIGETHY, L. About mineral fertilizers. (Hu) Magyar Mezőgazdaság 21(43):10-11. Oct. 26, 1966. 19 M27

Fertilizer Technology and Statistics

- 25858 CHAVERRI, J. G., and BLACK, C. A. Theory of the solubility of phosphate rock. Iowa State J. Sci. 41(1):77-95. Ref. Aug. 1966. 470 I09
- 25859 DONATH, E. J. Fertiliser industry in Australia. Fert. News 11(10):13-15, 17. Oct. 1966. 57.8 F4123
- 25860 DUIS, J. H. Adding zinc to polyphosphate solutions. Fert. Solutions 10(6):24-25, 28. Nov./Dec. 1966. 57.8 So4
- 25861 FISHER, H. J. Report on inspection and analysis of commercial fertilizers, 1965. II. List of registrants, tonnages sold, and analyses. Conn. Agr. Exp. Sta. Bull. 679, 99 p. Oct. 1966. 100 C76St
- 25862 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fertilizers; an annual review of world production, consumption and trade, 1965. Rome, 1966. 213 p. 57.2 F73
- 25863 GRAY, R. C. The development, structure, and regulation of the fertilizer industry in Virginia. Diss. Abstr., Sect. A, 27(4):853A. Oct. 1966. Z5055.U49D3
- 25864 HOEPNER, P. H. Can you weather your fertilizer bill? Va. Polytech. Inst. Ext. Va. Farm Econ. 199:7-13. Sept./Oct. 1966. 275.29 V813
- 25865 KIANGSU PROVINCE, DEPT. OF LIGHT INDUSTRIAL CHEMICALS. DESIGNING OFF. Rapid and economical building of small-scale chemical fertilizer plants. (Ch) U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 310:1-10. Apr. 25, 1966. (JPRS 35,161; TT 66-31598) 173 J663Teco
Kiangsu Province, Dept. of Construction, Designing Institute, cooperating.
Translation from Chien Chu Hsueh Pao, 1:8-10. Jan. 20, 1966.
Issued by CFSITL.
- 25866 LEOPOLD, A. Determination of demand for fertilizers by agriculture. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:56-58. 1966. 20 M57
- 25867 MAMET, C. Maintenance in a nitrogenous fertilizer factory. (Fr) Chim. Indus. [Paris] 96(5):1308-1312. Nov. 1966. 383 C42
English summary.
- 25868 MATTHIASEN, G. C. Nitrogen. 1. Birth and background. Farm. Chem. 129(9):45-46, 48, 90, map. Sept. 1966. 57.8 Am3

- 25869 MATTHIESEN, G. C. Nitrogen solutions. II. Production and storage. *Farm Chem.* 129(10): 63-64,66,68. Oct.1966. 57.8 Am3
- 25870 MATTHIESEN, G. C. Nitrogen solutions. III. Marketing solutions. *Farm Chem.* 129(11):26, 28,70,72. Nov.1966. 57.8 Am3
- 25871 NELSON, L. B. Fertilizer forecast. *Agr. Chem.* 21(11):20-22,96-97. Nov.1966. 381 Ag8 Technology.
- 25872 OKLAHOMA. BOARD OF AGRICULTURE. SEED, FEED AND FERTILIZER DIV. Charts and maps showing fertilizers consumption in Oklahoma, 65-66. Oklahoma City, 1966. 12 p.,map. 57.9 Ok4
- 25873 PAPAI, M. J. Now your cooperative can make all the nitrogen you need. *Agway Coop.* 2(12): 12-13. Dec.1966. 280.28 Ag9
- 25874 PESTALOZZI, M. Simple—dual—or multi-mix fertilizers. (No) *Norsk Landbruk* 11:18-19. June 3,1966. 11 N8122
- 25875 PLUMMER, B. E. Commercial fertilizers, 1966. Maine. *Agr. Exp. Sta. Bull.*, Aug.1966, 62 p. 100 M28S Inspection.
- 25876 RIEDEL, V. Determination of phosphates in fertilizers in the presence of soluble silicic acid with ion exchangers. (Ge) *Chem. Tech.* 18(9):567. Sept.1966. 384 C4283
- 25877 SCHAUB, J. R. A study of a retail fertilizer market in a selected portion of Illinois, 1964. *Diss. Abstr.*, Sect. A, 27(3):567A. Sept.1966. Z5055.U49D5
- 25879 SPINKS, D. O. Micronutrients in fertilizer technology. *Soil Crop Sci. Soc. Fla. Proc.*, 25th Annu. Meeting:107-111. Ref. 1965,pub. 1966. 56.9 So32
- 25879 STRUIJS, L. C. Het kalkgebruik in Nederland van 1928 tot 1966 [Use of lime in the Netherlands from 1928-1966]. *Stichting Ned. Landbouw Kalk Bur. Voorlichtingsbl.* 3,8 p. 1966. 57.9 Sk5
- 25880 SUID, R. Reporting: Trials on a high pressure centrifuge compressor for ammoniac synthesis. (Fr) *Chim. Indus [Paris]* 96(5):1457-1460. Nov.1966. 383 C42 Fertilizer.
- Manures and Composts**
- 25881 KUPCHIK, G. J. The economics of composting municipal refuse. (Condensed.) *Public Works* 97(9):127-128,196,198. Sept.1966. 290.8 M922
- 25882 KUPCHIK, G. J. Economics of composting municipal refuse in Europe and Israel. *Amer. Soc. Civil Eng. J.* 92(SA6,proc.pap.5036):41-56. Dec.1966. 290.9 Am3Ps
- 25883 SCHMID, G. Spreading of superphosphate in stables with water-channel cleaning installation. (Ge) *Landwirt. Forsch.* 19(1):35-41. Ref. 1966. 18 L2333 English summary. Effects on phosphorus content of liquid manure.
- 25884 TAIGANIDES, E. P., and HAZEN, T. E. Properties of farm animal excreta. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(3):374-376. Ref. 1966. 290.9 Am32T Properties of manure as basis for handling and disposal.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 25885 APPLGATE, H. G. Pesticides at Presidio. I. General survey. *Tex. J. Sci.* 18(2):171-178. Ref. June 22, 1966. 470 T31
Toxicity to man.
- 25886 BALINTFFY, I., and HERCZEG, T. Experiences with the Raticate, a new selectively effecting rat-poison. (Hu) *Magyar Allatorv. Lapja* 21(10):452-454. Oct. 1966. 41.8 V644
English summary.
Agricultural pest control.
- 25887 BECKMANN, T. J. Chemistry for farmers. II. *Queensland Agr. J.* 92(8):469-471. Aug. 1966. 23 Q33
- 25888 BERMUDA. DIRECTOR OF AGRICULTURE AND FISHERIES. Annual report for the year 1965, n.p., 1966. 32 p. 8 B45
- 25889 BIBERGAL', A. V. Sources of gamma irradiation for biological experiments. (Rus) *Radio-biologiya* 5(4):612-615. Ref. 1965. 442.8 R11
Includes agricultural application.
- 25890 BREITENSTEDT, W. Plant protection preparations and nature. (Sw) *Tidskr. Lantman. Åndelsfolk* 1:12-15. Jan. 15, 1966. 20 T43
Toxicity to wildlife.
- 25891 CASON, J. Principles of modern organic chemistry. Englewood Cliffs, New Jersey, Prentice-Hall, 1966. 670 p. QD253.C3
Includes chapters of interest to agriculture.
- 25892 COMMONWEALTH AGRICULTURAL BUR. EXECUTIVE COUNCIL. Thirty-sixth annual report, 1964-65, including reviews of progress in the agricultural sciences. London, 1965. 82 p. 10 Im72
- 25893 CUNAT BROSETA, P. Current trends in the field of nematodes. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(4):417-420. Oct./Dec. 1965. 389.8 R324
- 25894 DENMARK. KEMKALIEKONTROLLEN. The Chemical Control Board in the fiscal year 1965-66. (Da) *Tidsskr. Planteavl* 70(3):380-396. 1966. 11 T439
- 25895 DURBIN, C. G. Comparative toxicology and current research needs in agriculture and medicine. *N. Y. Acad. Sci. Ann.* 139(1):6-7. Oct. 7, 1966. 500 N484
Economic poisons and drugs.
- 25896 FREDETTE, J. H. Aerosol and pressurized products survey-1965. Chemical Specialties Manufacturers Association, Inc. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 52d Mid-year Meeting:31-37. 1966. 307.9 C42
Includes insecticides, food and animal products.
- 25897 GÖTEBORGS OCH BOHUS LANS HUSHÅLLNINGSSÄLLSKAP. Årsbok (Yearbook of the Agricultural Society of Göteborg and Bohus Province), 1966. Uddevall, 1966. 119 p. 11 G712A
- 25898 HAMMER, O. H. The pesticide label; its development, its message, its use. *Mich. Forest. Park Ass. Proc.*, 40th Annu. Conf.:50-53. 1966. 99.9 M586
- 25899 HANSON, I. Evaluating enabling laws for special districts: a case study in Oklahoma. *U. S. D. A. Econ. Res. Serv. ERS-281*, 37 p. Ref. May 1966. A281.9 Ag3E
Conservation of natural resources.
- 25900 HAUGEN, A. O. Iowa's County Conservation Board program. *J. Soil Water Conserv.* 21(2):54-56. Mar./Apr. 1966. 56.8 J822
- 25901 IDAHO. STATE DEPT. OF AGRICULTURE. 24th biennial report, July 1, 1964-June 30, 1966. Boise, 1966. 72 p. 2 Id1
- 25902 INDIA. MINISTRY OF FOOD, AGRICULTURE, COMMUNITY DEVELOPMENT AND COOPERATION. Report on the activities of the Department of Agriculture, 1965-66. New Delhi, 1965. 52 p. 22 In227
- 25903 INDIANA ACADEMY OF SCIENCE. Proceedings, volume 75, 1965. Indianapolis, 1966. 336 p., map. Ref. 500 In2
- 25904 LEIB, E. Results of a new study of residues in U. S. (Ge) *Gesunde Pflanzen* 17(12):229-232. Dec. 1965. 464.8 G33
Chiefly in relation to recommendations for economic poison regulation and public health aspects in Germany.
- 25905 LUCAS, C. E. Fish farming--the intensive production of fish for human food. *Nutr. Soc. Proc.* 25(2):120-126. 1966. 389.9 N953
- 25906 MANITOBA. DEPT. OF AGRICULTURE AND CONSERVATION. Annual report for the year ended March 31st, 1965. Winnipeg, 1965. 219 p., map. 7 M315
- 25907 MATHIAS, C. M. The future of the Potomac. *Atlantic Natur.* 21(3):136-138. July/Sept. 1966. 413.3 W86
- 25908 MCCLURE, W. F., JOHNSON, W. H., and HASLER, F. J. An instrument for determining the spectrofluorometric properties of biological materials. *Amer. Soc. Agr. Eng. Pap.* 323, 14 p. Ref. 1966. 290.9 Am32P
- 25909 MONTANA ACADEMY OF SCIENCES. Proceedings, volume 25, twenty-fifth annual meeting. Billings, Montana 1966. 145 p. 500 M762
- 25910 MOORMAN, R. B., and KOWALSKI, R. E. Improved habitat means better hunting. *Iowa Farm Sci.* 21(5/6):6-8. Nov./Dec. 1965. 275.28 I94
- 25911 NARAIN, P. Homozygosity in a selfed population with an arbitrary number of linked loci. *J. Genet.* 59(3):254-266. June 1966. 442.8 J823
Includes agricultural application.
- 25912 NORTH CAROLINA. DEPT. OF AGRICULTURE. Biennial report for 1964-1966. Raleigh, 1966. 200 p., map. 2 N81R
- 25913 OBERTO, E. L., SODER, E. P., and FISKE, K. V. Thermal fogging; a means of making drift-free low-volume applications of pesticides. *Amer. Soc. Agr. Eng. Pap.* 101, 7 p. 1966. 290.9 Am32P
- 25914 RHODES, M. E. Flagellation as a criterion for the classification of bacteria. *Bacteriol. Rev.* 29(4):442-465. Ref. Dec. 1965. 448.3 B13
Includes bacteria of agricultural interest.
- 25915 SASKATCHEWAN. DEPT. OF AGRICULTURE. Sixtieth annual report for the twelve months ended March 31, 1965. Regina, 1965. 319 p., map. 7 Sa73
- 25916 SEN, S. N. Selection in a mixed population subjected to apartheid. *J. Genet.* 59(3):250-253. June 1966. 442.8 J823
Includes agricultural application.
- 25917 SHELBOURNE, J. E., and NASH, C. E. Sea fish culture in Britain. *Nutr. Soc. Proc.* 25(2):133-140. 1966. 389.9 N953
- 25918 SIMPSON, G. R. Handle toxic farm chemicals with care. *Power Farming Australia New Zeal. Better Farming Dig.* 75(8):2-4. Aug. 1966. 58.8 P87
- 25919 SMITH, J. W., and JUCHARTZ, D. D. Does your spray program meet the four-way test. *Mich. Forest. Park Ass. Proc.*, 40th Annu. Conf.:54-62. 1966. 99.9 M586
For proper application of pesticides.
- 25920 STEELE, J. H. Ecological problems of marine fish farming. *Nutr. Soc. Proc.* 25(2):126-129. 1966. 389.9 N953
- 25921 STOILOV, M. Heredity in the light of latest achievements in genetics. (Bu) *Selskostopanska Nauk.* 5(3):17-22. 1966. 21 Se492
- 25922 STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources: muskrats. *Penn. State Univ. Ext. Leaflet* 293, 2 p. Nov. 1966. 275.29 P38L

- 25923 STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources; snakes. Penn. State Univ. Ext. Leaf. 295, 4 p. Nov. 1966. 275.29 P38L
- 25924 SUSI, H., and ARD, J. S. Near infrared investigation of interamide hydrogen bonds in hydrogen-bonding solvents. Arch. Biochem. Biophys. 117(1):147-153. Oct. 1966. 381 Ar2
- 25925 TANARI kezikönyv az Elovilag című tantárgy tanításához; 6. osztály [Textbook to the teaching of the living world, 6th grade]. Ed. 2. Budapest, Tankönyvkiadó, 1966. 143 p. QH308.5.T3
- 25926 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The pesticide review, 1966, by H. H. Shepard, J. N. Mahan, and D. L. Fowler. Washington, 1966. 33 p. 1.956 M343P43
- 25927 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Department of Agriculture's role in resource conservation. U. S. D. A. PA 781,15 p. Oct. 1966. 1 Ag64Pro
- 25928 VIEWPOINTS in biology, 4, edited by J. D. Carthy and C. L. Duddington. London, Butterworth, 1965. 256 p. Ref. 442.8 V672
- 25929 VIRGINIA ACADEMY OF SCIENCE. Proceedings for the 1965-1966; minutes of the forty-fourth annual meeting May 4-7, 1966. Va. J. Sci. (n.s.)17(4),443 p. Nov. 1966. 470 V81
Abstracts of papers.
- 25930 VOSS, M. D. Regulations and control for radiation protection. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):421-423,427. 1966. 290.9 Am32T
Radioactive tracers in agricultural research.
- 25931 WARNICK, S. L. Pesticides in the aquatic environment as determined by gas chromatography. Diss. Abstr., Sect. B, 27(4):1336B-1337B. Oct. 1966. Z5055.U49D53
- 25932 WERMINGHAUSEN, B. What precautions should be observed in the use of plastic foil? (Ge) Mitt. Deut. Landwirt.-Ges. 81(42):1572, 1574,1576. Oct. 20, 1966. 18 N39
Agricultural uses and use of grades set up by the DLG.
- 25933 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Annual report for the year ended June 30, 1965. n.p., 1966. 82 p. 23 W522
- 25934 WEYER, E. M., ed. Axicen cultures and defined media. N. Y. Acad. Sci. Ann. 139(1),272 p. Ref. Oct. 7, 1966. 500 N464
Includes insects, livestock, and plant parasitic nematodes.
- BIOGRAPHY**
- 25935 ACAD. Prof. Dr. Kiril Pavlov, 1899-1965. (Bu) Zhivotnovudni Nauk. 2(5):641-642. 1965. 49 Z65
- 25936 AERNI, F. Chief forester Werner Studer, of Biel died. (Ge) Schweiz. Z. Forstwesen 117(10):747-749. Oct. 1966. 99.8 J82
- 25937 AFA honors Walt Disney. Amer. Forests 72(12):10. Dec. 1966. 99.8 F762
American Forestry Association Distinguished Service Award for contribution to conservation.
- 25938 AKE Karlsson†. (Sw) Btidingen 65(10):321. Oct. 1966. 424.8 B54
- 25939 AMERICAN FEED MANUFACTURERS' ASSOCIATION Award, 1966. J. Anim. Sci. 25(4):1298-1299. Nov. 1966. 49 J82
Given to S. L. Hansard for research on livestock nutrition.
- 25940 AMERICAN SOCIETY OF ANIMAL SCIENCE. Fellows, 1966. J. Anim. Sci. 25(4):1310-1312. Nov. 1966. 49 J82
Conferred upon D. S. Bell, J. O. Grandstaff, W. L. Henning, J. C. Miller, B. H. Schneider, L. V. Tirrell, O. S. Willham, and R. E. Hodgson.
- 25941 AMERICAN SOCIETY OF ANIMAL SCIENCE. Memorials. J. Anim. Sci. 25(4):1313-1316. Nov. 1966. 49 J82
For J. G. Archibald, G. R. Barrett, C. W. Carrick, A. C. Cook, B. F. Creech, R. L. Davis, H. H. Mitchell, W. D. Salmon, K. W. Scott, C. P. Thompson, and J. R. Wiley.
- 25942 AMERICAN Society of Animal Science Animal Breeding and Genetics Award, 1966. J. Anim. Sci. 25(4):1302-1303. Nov. 1966. 49 J82
Given to R. E. Comstock.
- 25943 AMERICAN Society of Animal Science Animal Physiology and Endocrinology Award, 1966. J. Anim. Sci. 25(4):1306-1307. Nov. 1966. 49 J82
Given to R. M. Melampy.
- 25944 AMERICAN Society of Animal Science Distinguished Teacher Award, 1966. J. Anim. Sci. 25(4):1304-1305. Nov. 1966. 49 J82
Given to R. W. Bray.
- 25945 AMERICAN Society of Animal Science Extension Award, 1966. J. Anim. Sci. 25(4):1300-1301. Nov. 1966. 49 J82
Given to M. D. Lacy.
- 25946 AMERICAN Society of Animal Science Meats Research Award, 1966. J. Anim. Sci. 25(4):1308-1309. Nov. 1966. 49 J82
Given to E. J. Briskey.
- 25947 AUSTRALIAN INSTITUTE OF AGRICULTURAL SCIENCE. Australian Medal of Agricultural Science Award for 1966; Dr. L. L. Stubbs. Australian Inst. Agr. Sci. J. 32(2):71. June 1966. 23 Au74
- 25948 AUSTRALIAN SOCIETY OF ANIMAL PRODUCTION. Fellowship, Helen Newton Turner. Australian Soc. Anim. Prod. Proc. 6:VII. 1966. 49.9 Au72
- 25949 AWARD distinction authorized for Prof. Oscar M. Newton. (Sp) Rev. Med. Vet. [Buenos Aires] 47(3):272-273. May/June 1966. 41.8 B86
From the Istituto Sperimentale Italiano "L. Spallanzani" per la Fecondazione Artificiale.
- 25950 B. SANDSMARK will be 90 years old. (No) Meieriposten 55(40):865-866. Oct. 8, 1966. 44.8 M47
- 25951 BAWDEN, F. C. John Bennet Lawes (December 28, 1814-August 31, 1900), Joseph Henry Gilbert (August 1, 1817-December 23, 1901). J. Nutr. 90(1):2-12. Sept. 1966. 389.8 J82
- 25952 BELA, A. In memoriam Gyula Mehes, 1881-1961. (Hu) Rovartani Közlemenyek (n.s.)19(1/19):1-8. 1966. 420 So12
Includes list of publications.
- 25953 BORSET, O. Per Thurmman-Moe in memoriam. (No) Skogteuren 5:23. May 1966. 99.81 Sk5
- 25954 BRUNO, R. In memory of Mario Ticchioni. (It) Ital. Forest. Mont. 21(3):152. May/June 1966. 99.8 R12
- 25955 CHIEF agricultural counselor Friedrich Weber of Ulm is 65 years old. (Ge) Tierzucht 18(15):545. Aug. 5, 1966. 49 T445
- 25956 CHIEF state forester Dr. G. D. Schmidt, new director of state forestry administration of Lower Saxony. (Ge) Forst- Holzwirt 21(18):412. Sept. 23, 1966. 99.8 F7724
- 25957 CHRISTIANSEN, M. S. Olaf Galloe, born 6.22. 1881-died 12.24. 1965. (Da) Bøt. Tidsskr. 61(4):309-312. 1966. 450 B654
- 25958 CITATION for Carl Russell Nelson, recipient of the National Dairy Products Teaching Award for 1966. J. Dairy Sci. 49(9):1168-1169. Sept. 1966. 44.8 J822
Given by the National Dairy Products Corporation through the American Dairy Association.
- 25959 CITATION for Dr. Arnold H. Johnson, recipient of the Distinguished Service Award for 1966. J. Dairy Sci. 49(9):1172-1173. Sept. 1966. 44.8 J822
Award of the American Dairy Science Association.
- 25960 CITATION for Dr. B. R. Baumgardt, recipient of the American Feed Manufacturers Award for 1966. J. Dairy Sci. 49(9):1171. Sept. 1966. 44.8 J822
- 25961 CITATION for Dr. James H. Hilton, recipient of the Distinguished Service Award for 1966. J. Dairy Sci. 49(9):1172. Sept. 1966. 44.8 J822
Award of the American Dairy Science Association.

- 25962 CITATION for Dr. Jay L. Lush, recipient of the Distinguished Service Award for 1966. J. Dairy Sci. 49(9):1173. Sept. 1966. 44.8 J822
Award of the American Dairy Science Association.
- 25963 CITATION for Professor Donald L. Murray, recipient of the DeLaval Award in Dairy Extension for 1966. J. Dairy Sci. 49(9):1169. Sept. 1966. 44.8 J822
- 25964 CITATION for Professor Harry Russell Conrad, recipient of the Borden Award in Dairy Production. J. Dairy Sci. 49(9):1170-1171. Sept. 1966. 44.8 J822
- 25965 CITATION for Professor Laurence G. Harmon, recipient of the Pfizer-Paul Lewis Award for 1966. J. Dairy Sci. 49(9):1169-1170. Sept. 1966. 44.8 J822
- 25966 CITATION for Professor W. M. Roberts, recipient of the Borden Award in Dairy Manufacturing for 1966. J. Dairy Sci. 49(9):1170. Sept. 1966. 44.8 J822
- 25967 DIATCHKOV, N. N. N. M. Sisakyan 1907-1966. (It) Agrochimica 10(4):303-304. Sept. 1966. 385 Ag84
- 25968 DR. AGR. Jens Nielsen will be 60 years old. (Da) Dansk Landbrug 85(10):296. Oct. 1966. 280.28 V91
- 25969 DR. A.W. S. May, Australian Inst. Agr. Sci. J. 32(2):152. June 1966. 23 Au74
- 25970 DR. HUGO Richarz died. (Ge) Landtechnik 21(21):710. Nov. 1, 1966. 58.8 L235
- 25971 DR. [IRA J.] Mitterling honored for 54 years' service in Pennsylvania. Amer. Vet. Med. Ass. J. 149(8):1119-1120. Oct. 15, 1966. 41.8 Am3
- 25972 DR. L. MEYER Jones to be Dean of Georgia Veterinary School. Amer. Vet. Med. Ass. J. 149(8):1116. Oct. 15, 1966. 41.8 Am3
- 25973 DR. MARGRET A. Ohlson named 1966 Copher awardee. Amer. Diet. Ass. J. 49(6):508-509. Dec. 1966. 389.8 Am34
For work in dietetics.
- 25974 DR. RICHARD J. Campana. Arborist's News 31(12):91-92. Dec. 31, 1966. 99.8 Ar14
- 25975 EMIL Pritschau. (Ge) Kartoffelbau 17(2):60. Feb. 1966. 75.8 K145
- 25976 ERICH Gens-55th anniversary. (Ge) Landesverband Gartenbau Landwirt. Berlin. Mitteilungsb. 17(4):6. Apr. 1966. 85 L233
- 25977 EXAMPLES to imitate. (It) Nuovo Prog. Vet. 21(12):576-577. June 30, 1966. 41.8 P942
Giovanni Berardi and Pietro Tedeschi.
- 25978 EZEKIEL, M. Henry A. Wallace, agricultural economist. J. Farm Econ. 48(4pt.1):789-802. Ref. Nov. 1966. 280.8 J822
- 25979 THE FACES of forestry. Forests People 16(4):24-25. Fourth Q. 1966. 99.8 F7628
Biographies of A. G. Curtis, W. E. Dietrich, J. S. McWilliams, and W. C. Postle.
- 25980 FEDERAL President 1966: Dr. E. M. Hutton. Australian Inst. Agr. Sci. J. 32(2):151. June 1966. 23 Au74
- 25981 FOREST supervisor Dr. h. c. Werner Hassenkamp died. (Ge) Forst- Holzwirt 21(15):344-345. Aug. 8, 1966. 99.8 F7724
- 25982 FORTY years of progress in W.A. animal industries; Chief Veterinary Surgeon [C. R. Toop] retires. West. Australia. Dep. Agr. J. (ser.4) 7(6):260-261, 263. June 1966. 23 W52J
- 25983 GAINES Award to Dr. [P. T.] Pearson. Iowa Vet. 37(5):11. Sept./Oct. 1966. 41.8 Io9
Awarded by the Gaines Dog Research Center.
- 25984 GEORGIEVA-TODOROVA, I. Prominent scientist-plant breeder (80th birthday anniversary of Vasilii S. Pustovoit. (Bu) Selskostopanska Nauk. 5(3):103-105. 1966. 21 Se492
- 25985 GLIGOR, V. Professor G. K. Constantinescu, genetist. (Rum) Rev. Zootech. Med. Vet. 16(10):82-85. Oct. 1966. 49 P943
- 25986 HABERMEHL, Prof. Dr. h. c. E. Seiferle is 65 years old. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(17):342-343. Sept. 1, 1966. 41.8 B45
- 25987 HANS Saaler of Forchheim retired. (Ge) Tierzuechter 18(16):573. Aug. 20, 1966. 49 T445
- 25988 HANSEN, A. S. M. Rasmussen, 1901-1966. (Da) Bot. Tidsskr. 61(4):312-313. 1966. 450 B654
- 25989 HANSSON, A. Professor Ludwig Ambruster is 80 years old. (Sw) Bildningen 65(10):320. Oct. 1966. 424.8 B54
- 25990 HERBERT Holscher-60th anniversary. (Ge) Kartoffelbau 17(5):163. May 1966. 75.8 K145
- 25991 HILF, H. H. Theodor Kunkele is 90 years old. (Ge) Forstarchiv 37(9):204-205. Sept. 1966. 99.8 F7723
Includes list of publications.
- 25992 HJALMAR Karlsson?, (Sw) Bildningen 65(10):321-322. Oct. 1966. 424.8 B54
- 25993 HJORNHOLM, E. P. C. Petersen. *10.26. 1893- 9.7.1966. (Da) Danske Dyrlegefor. Medlemsbl. 49(20):875. Oct. 15, 1966. 41.9 D23
- 25994 HUSEMANN, C. On the 65th birthday of Dr. Georg Sommerkamp. (Ge) Z. Kulturtech. Flurbereinigung 7(4):234-235. July/Aug. 1966. S605.A124
- 25995 IBRAGIM Valiakhmetovich Utei (70th birthday anniversary and 45th of scientific and educational activities). (Rus) Pochvovedenie 10:82-84. Oct. 1966. 57.8 P34
- 25996 IN MEMORIAM. Forests People 16(4):20. Fourth Q. 1966. 99.8 F7628
Ralph Wesley Hayes.
- 25997 IN MEMORIAM A. J. P. Van Neck, (Du) Vee-teelt Zuivelber. 9(4):157-158. Apr. 1966. 49 V51
- 25998 IN MEMORIAM Engr. Charles Laurent. (Fl) Tuinbouwberichten 29(11):467. Nov. 1965. 80 T817
- 25999 IN MEMORIAM, George Herbert Barker. Queensland Natur. 18(1/2):1-4. June 1966. 410 Q3
- 26000 IN MEMORY of Prof. Giulio Gagnard. (It) Nuovo Prog. Vet. 21(12):582. June 30, 1966. 41.8 P942
- 26001 INGE MORK in memoriam. (No) Meieriposten 55(44):949-950. Nov. 5, 1966. 44.8 M47
- 26002 INGE MORK is dead. (No) Meieriposten 55(44):931-932. Nov. 5, 1966. 44.8 M47
- 26003 INTRODUCING C. T. Mason, D.V.M. Southern Vet. 3(11):5. Nov. 1966. 41.8 S03M
From Arkansas.
- 26004 JAN NOSSARZEWSKI. (Pol) Med. Weter. 22(8):512. Aug. 1966. 41.8 M463
Obituary.
- 26005 JOHS. STOKKELAND will be 60 years old. (No) Meieriposten 55(41):885-886. Oct. 15, 1966. 44.8 M47
- 26006 KALNINS, A., and DOMBURGS, T. Varvara N. Sergeeva. (Rus) Latv. PSR Zinat. Akad. Vestis 11:126. 1965. 511 R442
- 26007 KERN, W. In memory of Herman Staudinger. (Ge) Holzforschung 20(4):136. Aug. 1966. 99.8 H74
- 26008 KLARE, H. On 70th birthday of Erich Correns. (Ge) Forsch. Fortschr. 40(5):155-157. May 1966. 474 F772
- 26009 KLOTH, W. Chief engineer Theodor Stoppel's 65 years. (Ge) Grundlagen Landtech. 16(3):122. 1966. 58.8 G92
- 26010 KOCH, S. O. Oluf Nielsen, *December 8, 1887-†September 8, 1966. (Da) Danske Dyrlegefor. Medlemsbl. 49(20):872-874. Oct. 15, 1966. 41.9 D23
- 26011 KRUYTZER, E. M. Leonhart Fuchs, author of the most beautiful German herbal died 400 years ago. (Du) Naturhist. Genoot. Limburg. Naturhist. Maandbl. 55(6):95-96. June 29, 1966. 409.6 N2123
- 26012 KUHN, W. Professor Dr. Otto Schneider-Orel-li died. (Ge) Schweiz. Z. Forstwesen 117(10):744-746. Oct. 1966. 99.8 J82
- 26013 LANGENBECK, W. 80th birthday of Karl Freudenberg. (Ge) Forsch. Fortschr. 40(1):29-30. Jan. 1966. 474 F772

- 26014 LAVOLLEY, Jose-Maria Albareda (1902-1966). (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(10):709-710. June 1/8, 1966. 14 P215Bc
- 26015 LOWE, H. The 100th birth anniversary of Felix Hoesch. (Ge) Tierzuechter 18(16):574. Aug.20,1966. 49 T445
- 26016 MAJERNIK, O. Prof. Dr. Ing. Eduard Baudys is 80 years old. (Cz) Biologia [Bratislava] 21(8):629-630. 1966. 442.8 B5265
- 26017 MARTIN, E. F. Arthur R. Pirsko (1921-1966). J. Forest. 64(10):683. Oct.1966. 99.8 F768
- 26018 MARX, H. Professor Dr. W. Bolz of Hohenheim is 65 years old. (Ge) Deut. Tierarztl. Wochenschr. 73(18):465-466. Sept.15,1966. 41.8 D482
- 26019 MATTHIES, H. J. Professor Dr. Ing. Georg Segler is 60 years old. (Ge) Grundlagen Landtech. 16(3):85-86. 1966. 58.8 C92
- 26020 MAX SCHADE—60th anniversary. (Ge) Kartoffelbau 17(2):60. Feb.1966. 75.8 K145
- 26021 MEET the State statistician—Joe Herman. Agr. Situation [Washington] 50(12):14. Dec. 1966. 1 Ec7Ag
- 26022 MILLER, E. Evelyn A. Carpenter, president, the American Dietetic Association. Amer. Diet. Ass. J. 49(5):429. Nov.1966. 389.8 Am34
- 26023 MINISTERIAL director Dr. Heuvel is 65 years old. (Ge) Forst- Holzwirt 21(20):451-453. Oct.23,1966. 99.8 F7724
- 26024 MORRISON Award, 1966. J. Anim. Sci. 25(4):1296-1297. Nov.1966. 49 J82
Given to W. Burroughs for livestock research.
- 26025 MR. R. Harley. West. Australia. Dep. Agr. J. (ser.4)7(5):198. May 1966. 23 W52J
- 26026 MULLER-THOMAS, H. Ministerial director Dr. Karl Heuvel is 65 years old. (Ge) Forsttech. Inform. 11:87. Nov.1966. 99.8 F7794
- 26027 NECROLOGY of Germain Carnat 1894-1966. (Fr) Acad. Vet. France. Bull. 39(4):135-136. Apr.1966. 41.9 R24
- 26028 NEW CHIEF Veterinary Surgeon [M. R. Gardiner]. West. Australia. Dep. Agr. J. (ser.4)7(6):263. June 1966. 23 W52J
- 26029 NEW SOUTH WALES, DEPT. OF AGRICULTURE. Senior Executive changes in Department of Agriculture. Agr. Gaz. New S. Wales 77(8):457-459. Aug.1966. 23 N472
R. M. Watts, F. C. Butler, and A. Pearson.
- 26030 NILS Korkman is 60 years old. (Sw) Farskotsel 46(3):101. Apr.1966. 45.9 Sv2
- 26031 ON THE retirement of chief forester Dr. Konrad Kalbhenn. (Ge) Deut. Forstmann [Dusseldorf] 6(10):25-26. Oct.1966. 99.8 D486
- 26032 ON THE 75th birthday of Karl Lorberg of Wickstadt. (Ge) Tierzuechter 18(15):544. Aug.5,1966. 49 T445
- 26033 ON THE 65th birthday of ministerial director Dr. Karl Heuvel of Rhineland-Palatinate. (Ge) Deut. Forstmann [Dusseldorf] 6(10):24. Oct. 1966. 99.8 D486
- 26034 OOSTSTROOM, S. J. VAN. In memoriam Th. J. Reichgelt. (Du) Gorteria 3(5):61-63. Sept.1, 1966. 450 G68
- 26035 PACHER, J. 100th birth anniversary of privy councillor prof. Dr. Hans Hausraath. (Ge) Forst- Holzwirt 21(20):448-449. Oct.23,1966. 99.8 F7724
- 26036 PEIRNE, B. P. Rochester Webb Smith 1901-1966. Can. Dep. Agr. Res. Br. Entomol. Newslett. 44(4):3. Apr.1,1966. 423.92 C16
- 26037 PERLEBERG, D. Chief veterinary councillor Dr. h. c. Arnold Maas (Dessau) in retirement. (Ge) Monatsh. Veterinarmed. 21(16):640. Aug.15,1966. 41.8 M742
- 26038 PFITZER-LOHSE, Walter Liebmann is 80 years old. (Ge) Entomol. Bl. 61(2):65-66. Oct.15,1965. 421 En833
Include incomplete list of his entomological publications.
- 26039 PILAT, A. In memoriam Rudolf Kovanda. (Cz) Ceska Mykol 20(4):248. Oct.1966. 450 C333
- 26040 PLOUGHELD, S. Herluf Hofman Hansen born 1/18,1902—died 7/5,1966. (Da) Dansk Skovfor. Tidsskr. 51(10):471-472. Oct.1966. 99.8 D23
- 26041 POUZAR, Z. Ing. Zdenek Schaefer is 60 years old. (Cz) Ceska Mykol. 20(4):244-247. Oct.1966. 450 C333
Includes list of publications.
- 26042 PROFESSOR Dr. Kollmann is 60 years old. (Ge) Forst- Holzwirt 21(19):434-435. Oct.8, 1966. 99.8 F7724
- 26043 PROFESSOR Dr. W. Langner is 60 years old. (Ge) Forst- Holzwirt 21(19):435-436. Oct.8, 1966. 99.8 F7724
- 26044 ROHRER, Deserving veterinarian Dr. med. vet. Fritz Fuchs of Riems Island died. (Ge) Monatsh. Veterinarmed. 21(18):720. Sept.15, 1966. 41.8 M742
- 26045 ROTINI, O. T. I. N. Antipov-Karataev 1888-1965. (It) Agrochimica 10(4):301-302. Sept. 1966. 385 Ag84
- 26046 SAULESCU, N. Nazareno Strampelli. (It) Ital. Agr. 103(6):577-588. June 1966. 16 It1
- 26047 STENBERG, H. G. L. Kronholm in memoriam. (Fi) Suomen Elainlaakarilehti 72(5):202. May 1966. 41.8 F49
- 26048 SVEN Hoflund will be 60 years old August 11, 1966. (Sw) Farskotsel 46(5):196. June 1966. 45.9 Sv2
- 26049 TODHUNTER, E. N. Biographical notes from the history of nutrition: Carl von Noorden—September 13, 1858—October 26, 1944. Amer. Diet. Ass. J. 49(3):190. Sept.1966. 389.8 Am34
- 26050 TODHUNTER, E. N. Biographical notes from the history of nutrition: Eduard Buchner—May 20, 1860—August 13, 1917. Amer. Diet. Ass. J. 49(6):501. Dec.1966. 389.8 Am34
- 26051 TODHUNTER, E. N. Biographical notes from the history of nutrition: Ernest Geiger—1896—June 3, 1959. Amer. Diet. Ass. J. 49(5):417. Nov.1966. 389.8 Am34
- 26052 TOWELL [William E.] succeeds Hornaday. Amer. Forests 72(12):4. Dec.1966. 99.8 F762
As head the American Forestry Association.
- 26053 A TRIBUTE to Simeon A. Tyler. Amer. Bee J. 106(7):261. July 1966. 424.8 Am3
- 26054 TUXEN, S. L. Ragnar Sparck, 5. August 1896—20. June 1965. (Da) Entomol. Meddeleiser 34(2):175-182. 1965. 421 En82
Includes list of works.
- 26055 ULBRICH, F. Professor Dr. Herbert Haupt is 80 years old. (Ge) Deut. Tierarztl. Wochenschr. 73(17):438-439. Sept.1,1966. 41.8 D482
- 26056 VSESOUYUZNOE OBSHCHESTVO POCHOVOVEDOV. Academician Yan Vol'demarovich Peive (60th birthday anniversary and 40th of scientific activity). (Rus) Pochovovedenie 10:80-81. Oct. 1966. 57.8 P34
- 26057 WEBER, A. In memoriam: Hofrat Dr. Ing. Friedrich Lorenz. (Ge) Allg. Forstzeitung 77(11):241-242. Nov.1966. 99.8 AL53
- 26058 WESTHUES, M. In memory of Oscar Seifried. (Ge) Deut. Tierarztl. Wochenschr. 73(17):413-414. Sept.1,1966. 41.8 D482
- 26059 WEXELS, W. Johan Nilsson will be 50 years old. (Sw) Vara Palsjud 37(10):483. Oct.15, 1966. 410 V42
- 26060 WIENEK, F. Professor Dr. Ing. Georg Segler is 60 years old. (Ge) Landtechnik 21(15):551. Aug.1,1966. 58.8 L235
- 26061 WOLFF, N. L. P. K. Nielsen, 5. November 1882—18. August 1965. (Da) Entomol. Meddeleiser 34(2):172-174. 1965. 421 En82

HISTORY

- 26062 BOSCA, L. Life in the Gironde. (It) Ital. Agr. 103(6):593-598, map. June 1966. 16 It1
Agricultural history.

- 26063 ERDEI, F. Experiences from production developments of twenty years. (Hu) Magyar Mezogazdasag 21(41):5-6. Oct.12,1966. 19 M27
In agriculture.

- 26064 GRIGG, D. The agricultural revolution in South Lincolnshire. Cambridge, University Press, 1966. 219 p. (Cambridge Studies in Economic History) HD1930.L5G7 Bibliography, p.201-206.
- 26065 HARTWIG, F. Landschaftswandel und Wirtschaftswandel in der chilenischen Frontera [Landscape change and change of economy in the Chilean frontiers]. Bundesforschungsanst. Forst- Holzwirtsch. Mitt. 61,151 p. May 1966. 99.9 R273 Bibliography, p.138-151. Agricultural history including forestry.
- 26066 LEMON, J. T. The agricultural practices of national groups in eighteenth-century southeastern Pennsylvania. Geogr. Rev. 56(4):467-496, map. Oct. 1966. 500 Am35G
- 26067 SVARANE, M. Economic situation of Kurzeme and Vidzeme farm laborers in the forties and fifties of the 19th century. (La) Latv. PSR Zinat. Akad. Vestis 9:11-26. Ref. 1965. 511 R442

HOME MANAGEMENT

- 26068 ANDERSON, E. S. Housekeeping management. Ky. Univ. Ext. H. E. 5-233, 8 p. Ref. Oct. 1966. 275.29 K415H
- 26069 BARTLETT, M. Decorating with a plan. Ky. Univ. Ext. H. E. 4-113A, 15 p. Sept. 1966. 275.29 K415H
- 26070 BARTLETT, M. The 4-H member makes the most of windows. Ky. Univ. Ext. 4-H 1058, 12 p. Feb. 1966. 275.29 K415Fh Curtains.
- 26071 BURR, B. Let's make a lamp. Ky. Univ. Ext. 4-H 1068, 6 p. Sept. 1965. 275.29 K415Fh
- 26072 BURR, B. When you buy bath towels. Ky. Univ. Ext. Leaflet, 289, 4 p. Feb. 8, 1966. 275.29 K415Le
- 26073 BURR, B. When you buy blankets. Ky. Univ. Ext. Leaflet, 288, 4 p. Feb. 8, 1966. 275.29 K415Le
- 26074 BURR, B. You can renew old furniture. Ky. Univ. Ext. 4-H 1057, 9 p. Mar. 1966. 275.29 K415Fh
- 26075 MARTENS, R. Home furnishings for gracious living. Amer. Soc. Agr. Eng. Pap. 428, 8 p. 1966. 290.9 Am32P
- 26076 MCCUSTON, V. Making a blouse & skirt. Ky. Univ. Ext. 4-H 1064, 16 p. May/June 1966. 275.29 K415Fh
- 26077 MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. CO-OPERATIVE EXTENSION SERV. Sew on your own snaps. Mich. State Univ. Ext. Bull. 547, 2 p. Sept. 1966. 275.29 M58B
- 26078 PATTISON, E. A. When you buy dishwashers. Wash. State Univ. Ext. E. M. 2267, rev., 3 p. Aug. 1966. 275.29 W27M1
- 26079 ROBERTS, H. L. Making a western shirt. Wash. State Univ. Ext. E. M. 2657, rev., 5 p. Aug. 1966. 275.29 W27M1
- 26080 ROBERTS, H. L. Selecting shoes. Wash. State Univ. Ext. E. M. 2231, 3 p. Aug. 1966. 275.29 W27M1
- 26081 ROBERTS, H. L. Tailoring procedures. Wash. State Univ. Ext. E. M. 2162, rev., 14 p. Aug. 1966. 275.29 W27M1
- 26082 SEBREE, K. Furniture, lighting & accessories. Ky. Univ. Ext. 4-H 1059, 23 p. Apr. 1966. 275.29 K415Fh
- 26083 STRAWN, B. Better kitchen storage. PNW (Pacific Northwest Coop. Ext.) Bull. 47, rev., 15 p. July 1966. 275.29 W27Pn Joint publication of the Extension Services of Washington, Oregon, Idaho.
- 26084 WALLACE, R., and MARSHALL, M. H. Guidelines for teaching tailoring. Ky. Univ. Ext. H. E. 2-323-A, 21 p. Ref. Sept. 1966. 275.29 K415H

- 26085 WALLACE, R. Makeovers; ideas for children's clothes. Ky. Univ. Ext. H. E. 2-336, 6 p.-folder. July 1965. 275.29 K415H
- 26086 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Consumers ask about carpet backings. Wash. State Univ. Ext. E. M. 2676, 3 p. Aug. 1966. 275.29 W27M1

INTERNATIONAL RELATIONS

- 26087 BYCHVAROV, S. Some results of the cooperation of members of the Council for Mutual Economic Assistance in the field of agriculture. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:5-10. 1966. 20 M57

METEOROLOGY

- 26088 CAPRIO, J. M. A statistical procedure for determining the association between weather and non-measurement biological data. Agr. Meteorol. 3(1/2):55-72. Feb. 1966. 340.8 Ag8
- 26089 DESI, F. Research in agricultural meteorology carried. (Hu) Idojaras 70(4):234-235. July/Aug. 1966. 340.8 Id5 English summary.
- 26090 MALLIK, A. K. Arid-zone agrometeorology in India. Agr. Meteorol. 3(1/2):3-34, map. Feb. 1966. 340.8 Ag8
- 26091 MAUNDER, W. J. Climatic variations and agricultural production in New Zealand. New Zeal. Geogr. 22(1):55-69, map. Ref. Apr. 1966. 331.8 N48
- 26092 MCCULLOCH, J. S. G., and WANGATI, F. J. Notes on the use of the Gunn Bellani radiometer. Agr. Meteorol. 4(1):63-70. Jan. 1967. 340.8 Ag8
- 26093 NICKS, A. D., and HARTMAN, M. A. Variation of rainfall over a large gaged area. Amer. Soc. Agr. Eng. Trans. ASAE 9(3):437-439, map. 1966. 290.9 Am32T
- 26094 RUTTER, N. Tattering of flags under controlled conditions. Agr. Meteorol. 3(3/4):153-165. May 1966. 340.8 Ag8 Used as a method of measuring wind in agricultural meteorology.
- 26095 TRENKLE, H. What prospects does long-range weather forecasting offer? (Ge) Mitt. Deut. Landwirt.-Ges. 81(38):1438-1440. Sept. 22, 1966. 18 N39
- 26096 VUKOV, J. Brief survey of weather conditions in 1965. (Se) Biljna Zastita 10(1):4-8. Jan. 1966. 464.8 B49

RESEARCH

- 26097 CUTTING, F. W. Narrabri Agricultural Research Station. Agr. Gaz. New S. Wales 77(6):322-328. June 1966. 23 N472
- 26098 FLETCHER, D. C. The Division of Agricultural Biochemistry and Pest Control; new division engaged in research for agriculture and mankind. Nev. Ranch Home Rev. 3(7):14-15. Fall 1966. 60.18 Sci2
- 26099 GREAT BRITAIN. TROPICAL PRODUCTS INSTITUTE. Tropical Products Institute. London, 1964. 21 p. 26 G792
- 26100 HABAS, J. B. Notes of a mission to Uganda. (Fr) Agron. Trop. [Paris] 21(5):705-707. May 1966. 26 Ag86 Agricultural research.
- 26101 HILLSBOROUGH, AGRICULTURAL RESEARCH INSTITUTE OF NORTHERN IRELAND. Thirty-ninth annual report 1965-1966. Hillsborough, 1966. 36 p. 103 N813
- 26102 MORT, C. H. Serving agriculture-Agricultural Research Station, Orange. Agr. Gaz. New S. Wales 77(8):484-486. Aug. 1966. 23 N472
- 26103 NETHERLANDS. NATIONALE RAAD VOOR LANDBOUWKUNDIG ONDERZOEK T.N.O. Verslag landbouwkundig onderzoek in Nederland [Report of agricultural research in the Netherlands], 1965. Meppel, 1966? 200 p. 12 N21

- 26104 OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Research at the Southern Branch, Carpenter, Ohio. Ohio. Agr. Res. Develop. Center. Res. Sum. 15, 42 p., map. Aug. 1966. 100 Oh3Rs
- 26105 RUSSELL, SIR E. J. A history of agricultural science in Great Britain, 1620-1954. London, Allen and Unwin, 1966. 493 p. Ref. S455.R8
- 26106 SINYAGIN, I. Cooperation in elaboration of common agricultural research problems. (Rus) Mezhdunar. Sel'skokhoz. Zh. 5:14-17. 1966. 20 M57
Members of the Council for Mutual Economic Assistance.
- 26107 SLED na zemle [Footprint on the earth]. Rostov-na-Donu, Rostovskoe Knizhnoe Izdatel'stvo, 1965. 139 p. S469.U456
Agricultural research in USSR.
- 26109 THOMSON, R. Temora Agricultural Research Station. Agr. Gaz. New S. Wales 77(9):554-559. Sept. 1966. 23 N472
- 26109 ZDRAVKOV, G. 100th anniversary of Timiryazev's Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya]. (Bu) Selskostatovskaya Nauk. 5(2):101-103. 1966. 21 Se492

STATISTICS

- 26110 EHRLICH, E. International comparison on the basis of natural indicators. (Hu) Statist. Szemle 44(10):971-986. Oct. 1966. 266.5 S2M
English summary.
Includes agricultural application.

NEW PERIODICALS AND SERIALS

- AMERICAN MEDICAL ASSOCIATION. COUNCIL ON DRUGS. New drugs. 1966. Chicago. RM300.A4
- BIBLIOGRAFIA agricola latinoamericana. v.1. Jan./Mar. 1966. Turrialba, Asociacion Interamericana de Bibliotecarios y Documentalistas Agricolas. Z5075.L3B5
- BOLETIN de estadistica, meteorologica e hidrologica. v.4, No.25. 1965. Lima, Servicio de Agrometeorologia e Hidrologia. QC988.P5B6
- BRITISH SOLOMON ISLANDS PROTECTORATE. DEPT. OF AGRICULTURE. Extension pamphlet. No.2. 1964. Honiara. S544.5.S57B7
- CONFERENCE OF EUROPEAN MILK PRODUCERS. Report. 1964. Brighton, England, Confederation Europeenne de l'Agriculture. SF223.C6
- CORDOBA, ARGENTINA (PROVINCE). DEPT. DE PROMOCION Y FOMENTO COOPERATIVO. Informaciones cooperativas de la provincia. v.5, No.26. Sept./Oct. 1964. Cordoba. HD3470.A3C6
- ESCUELA NACIONAL DE AGRICULTURA. COLEGIO DE POST-GRADUADOS. Folleto de divulgacion. No.1. Aug. 1964. Chapingo. S15.E8
- FAO Technical Conference on the Improvement of Date Production and Processing. Report No.2. 1965. 1966. Rome. SB364.F6
- IDAHO woodland farmer. Winter 1965. Moscow, Idaho Agricultural Extension Service. SD387.W6A1
- LOUISIANA farmer. Delta edition. v.3. Jan. 1966. Baton Rouge. S1.L6
- PFIZER (CHAS.) & CO. AGRICULTURAL DIV. Technical information. No.100. May 1965. New York. S583.P4
- SCIENCE journal. v.1. Mar. 1965. London. Q1.S34
- UNION CARBIDE CORPORATION. Ag lines. v.11, No.1. Mar. 1963. New York. S583.U5
- VYZKUMNY USTAV MELIORACI. Vedecke prace. No.7. 1965. Praha, Ustav Vedeckotechnickych Informaci Ministerstva Zemedelstvi, Lesniho a Vodniho Hospodarstvi. S604.A1V9

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

- *ABRAMYAN, K. S., and REINGOL'D, V. N. Study of the ultrastructural changes in the nuclear membrane during mitosis. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):687-694. Ref. Nov./Dec.1965. 511 P444Aeb
- ANDREYENKO, S. S., and RUBIN, B. A. Plant physiology and intensification of crop production. U. S. Joint Publ. Res. Serv. [Transl.] Plant Physiol. Effect Fert. Crops Build-up Radioact. Prod. USSR, Dec.22,1964:1-9. (JPRS 27,940; TT 64-51982) 173 J663PL
Translation from Vestnik Moskovskoe Universitet, Seriya VI, Biologiya, Pochvovedenie, 55:3-10. Sept./Oct.1964.
CFSTI \$2.00.
- *AVRAMOV, L., and MIJALOVIC, R. The effect of different doses of ionizing irradiation on the taking and development of rooted grapevine grafts. J. Sci. Agr. Res. 18(61):17-22. 1965. 21.5 Y9Ae
- *AVRAMOVIC, T. Time at which pregnant gilts are registered as sows and the effect of this on piglet production. J. Sci. Agr. Res. 18(61):89-97. 1965. 21.5 Y9Ae
- BABASHKIN, L. The use of electronic computers in national economic planning. 13 p. (JPRS 36,526; TT 66-32958) Transl. 16105
Translation from Planovoe Khozaystvo 6:30-40. June 1966.
CFSTI \$1.00.
- *BOROJEVIC, S., and MIKIC, D. The occurrence and characteristics of dwarf lines in wheat obtained by transgressive segregation. J. Sci. Agr. Res. 18(61):5-16. 1965. 21.5 Y9Ae
- *BULATOVIC, S., and ERDELJAN, V. Analyses of important pomological characters in some apple varieties at Radmilovac in 1961. J. Sci. Agr. Res. 18(61):31-40. Ref. 1965. 21.5 Y9Ae
- *BYSTROV, B. D., and SHUSTROV, A. K. A microcinematographic study of Toxoplasma gondii in peritoneal exudate of white mice. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):781-783. Nov./Dec.1965. 511 P444Aeb
- *CERANIC, V. Wool density in domestic Merino and its crosses of F₁ generation with Precose and Stavropol breed. J. Sci. Agr. Res. 18(61):81-88. Ref. 1965. 21.5 Y9Ae
- CHEBOTAREV, N. P. Theory of stream runoff. 464 p. (TT 65-50027) GB665.C48
Translation of Uchenie o Stoko.
CFSTI: \$7.72.
- *CHERKASSKII, E. S., and KORNEEVA, I. T. Adaptation of the dahlia mosaic virus to zinnia and the obtention of antisera for serological diagnosis. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):773-775. Nov./Dec.1965. 511 P444Aeb
- *DUBININ, N. P., and others. The specificity of the genotype in induced mutagenesis. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):733-736. Nov./Dec.1965. 511 P444Aeb
- V. K. Shcherbakov, G. N. Kesler, and L. A. Suikova, joint authors.
- EL'PINER, I. Y. In the world of inaudible sounds (ultrasonics in biophysics). U. S. Joint Publ. Res. Serv. [Transl.] Biol. Its Allies, USSR, Mar.25,1965:50-69. (JPRS 29,292; TT 65-30591) 173 J663Ba
Translation from Biologiya i Yee Soyuzniki VIII Series, Biologiya i Meditsina 17-18:49-68. 1964.
Issued by CFSTI \$3.00.
- FELITSANT, I. N. Regularity of capillary movement of water and of salt solutions in stratified soils; an experimental study. 88 p. Ref. (TT 66-51052) \$594.F43
Translation of Opyt Izucheniya Zakonomernosti Kapillyarnogo Peredvizheniya Vody i Rastvorov Solei v Sloistyk Gruntakh.
CFSTI: \$3.00.
- FONSHTEIN, L. M. The effect of irradiation of wheat endosperms on the growth and development of the plants. 6 p. Ref. (TT 65-50024) Transl. 16111
Translation from Akademiya Nauk SSSR. Institut Genetiki. Trudy 28:153-157. 1961.
CFSTI: \$1.00.
- FORSBLAD, L. H. Outside chip storage. 17 p. Transl. 16223
Translation from Papper och Tra 47(8):455-462. 1965.
- FYG, W. The occurrence of flagellates in the honey-bee rectum. 7 p. Transl. 16204
Translation from Schweizerische Entomologische Gesellschaft, Mitteilungen 27(4):423-428. Dec.30,1954.
- GADZHIEV, A. T., ABUSHEV, F. A., and YUDITSKAYA, S. I. Experimental infection of gamasid ticks with the causative agent of anthrax. 6 p. (JPRS 36,428; TT 66-32660) Transl. 16113
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Izvestiya, Seriya Biologicheskikh Nauk 6:53-57. 1965.
CFSTI: \$1.00.
- *GALANINA, L. A., and AGATOV, P. A. Effect of substances containing a guanidine or urea group on streptomycin formation by Actinomycetes streptomycini strain LS-1. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):778-780. Nov./Dec.1965. 511 P444Aeb
- *GALEGOV, G. A., and ZHDANOV, V. M. Incorporation of uridine-C14 into a cell culture infected with Newcastle disease virus inhibition of viral RNA synthesis. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):767-768. Nov./Dec.1965. 511 P444Aeb
- *GITEL'ZON, I. I., KOVROV, B. G., and TERSKOV, I. A. Mathematical description of the continuous cultivation of microalgae. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):769-772. Nov./Dec.1965. 511 P444Aeb
- GLUSHKOV, N. M., and TRUBETSKOI, P. G. Pollen collected from flowers by bees and ways of using it. 22 p. Ref. Transl. 16203
Translation from Institut Pchelovodstva, Vestnik 10:1-52. 1964.
- GUREVICH, S. M., and KARTSEVA, L. N. Content of phosphorus compounds in agricultural plants at various levels of nutrition. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov.5,1964:1-11. (JPRS 27,230; TT 64-51485) 173 J663Uc
Translation from Khimiya v Sel'skom Khozaystve 8:2-6. Aug.1964.
CFSTI \$3.00.
- HABERMANN, E., and JENTSCH, J. The structure of the toxic bee-venom peptide melittin and its relation to the pharmacological effect. 1 p. Transl. 16201
Translation from Naunyn-Schmiedeberg's Archiv fur Experimentelle Pathologie und Pharmakologie 253(1):40-41. 1966.
- HOFFMEISTER, H., RUFER, C., and AMMON, H. Secretion of ecdysone in insects. 5 p. Ref. Transl. 16197
Translation from Zeitschrift fur Naturforschung 20b(2):130-133. 1965.

- HORIGUCHI, H. Studies on the control of the rice stem borer by the application method of pouring insecticides onto water in paddy rice field. 97 p. Ref. Transl. 16195
Translation from Tohoku National Agricultural Experiment Station. Bulletin 32:109-144. Mar. 1965.
- HUANG, T. F. A new chemical disinfectant for sericulture. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 314: 30. May 13, 1966. (JPRS 35,490; TT 66-31926) 173 J663Teco
Translation from Chieh Fang Jih Pao 3. Dec. 10, 1965.
Issued by CFSTI.
- IBRAGIMOV, R. P. We liquidate American foulbrood. 6 p. Transl. 16194
Translation from Pchelovodstvo 8:20-21. Aug. 1965.
- *ISAKOV, D., OGNJANOVIC, A., and LAZIC, V. Beef production on conventional and all-concentrate feeds. J. Sci. Agr. Res. 18(61):47-56. Ref. 1965. 21.5 Y9Ae
- IYERUSALIMSKIY, N. D. Theoretical and industrial aspects of microbiological synthesis. U. S. Joint Publ. Res. Serv. [Transl.] Microbiol. Syn. Indus. Protein Biosyn. USSR, June 8, 1965: 1-12. (JPRS 30,486; TT 65-31197) 173 J663Mic
Translation from Vestnik Akademii Nauk SSSR 4:42-50. Apr. 1965.
CFSTI \$2.00.
- JURASEK, L. Changes in microscopic structure of wood decomposed by wood destroying fungi. 20 p. Ref. Transl. 16188
Translation from Drevarsky Vyskum 3:127-141. 1964.
- JURION, F. The cultivation of tobacco in Southern Rhodesia and in the Union of South Africa. 14 p. Transl. 16231
Translation from Revue Internationale des Tabacs 25:17-24. Jan. 1950.
- KANASHKIN, I. A., and ONISHCHENKO, Z. A. Lining material on the basis of microvener. 3 p. (TT 66-51097) Transl. 16233
Translation from Derevoobrabatvayushchaya Promyshlennost' 10(8):11-12. 1961.
CFSTI \$1.00.
- KANNIESSER, W. Electron-microscopic observations on the juice of healthy tobacco plants. 3 p. Transl. 16234
Translation from Naturwissenschaften 39:68. 1952.
- KAWASHIMA, K. Damage by nematode [Hirschmania oryzae] and its control. 12 p. Ref. Transl. 16236
Translation from Nogyo Gijutsu 19(2):75-78. Feb. 1964.
- KIANGSU PROVINCE, DEPT. OF LIGHT INDUSTRIAL CHEMICALS, DESIGNING OFF. AND DEPT. OF CONSTRUCTION, DESIGNING INSTITUTE. Rapid and economical building of small-scale chemical fertilizer plants. (Ch) U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 310:1-10. Apr. 25, 1966. (JPRS 35,161; TT 66-31598) 173 J663Teco
Translation from Chien Chu Hsueh Pao, 1:8-10. Jan. 20, 1966.
Issued by CFSTI.
- *KONZA, E. A. On the thermoregulation of animals in a helium-oxygen atmosphere. Acad. Sci. USSR, Dokl. Biol. Sci. 165(1/6):823-825. Ref. Nov./Dec. 1965. 511 P444Ae
- *KOSTIC, V. The effect of Corriedale rams on the productive properties of Svrjiska ewes. J. Sci. Agr. Res. 18(61):57-80. Ref. 1965. 21.5 Y9Ae
- KOWALKOWSKI, A. Dynamics of soil water reserves under oak stands of the Debina Forest District. 9 p. Ref. (TT 65-50319) Transl. 16239
Translation from Roczniki Gleboznawcze 8(1): 67-78. 1963.
CFSTI \$1.00.
- KOWALKOWSKI, A. Project of nomenclature of soil horizons. 18 p. Ref. (TT 65-50318) Transl. 16240
Translation from Roczniki Gleboznawcze 9(1): 67-88. 1960.
CFSTI \$1.00.
- KRIEG, A. Comparative taxonomic, morphological and serological investigations on rickettsias pathogenic for insects. 3 p. Transl. 16158
Translation from Zeitschrift fur Naturforschung 13b(8):555-557. Aug. 1958.
- KRIEG, A. Investigations on the pathogenicity to vertebrates of Rickettsia melononthae and on the serological detection of the latter in an arthropod host. 2 p. Transl. 16182
Translation from Naturwissenschaften 42(22): 609-610. Nov. 1955.
- LOTMAR, R. Flagellates and bacteria in the small intestine of the honey bee (Apis mellifera). 17 p. Ref. Transl. 16163
Translation from Schweizerische Bienen-Zeitung 2(14):49-76. Sept. 1946.
- LYSENKO, A. YA. The malarial zones of North Vietnam. 9 p. map. (JPRS 30,931; TT 65-31430) Transl. 15365
Translation from Meditsinskaya Parazitologiya i Parazitarnye Bolezni 34(2):189-194. Mar./Apr. 1965.
CFSTI \$1.00.
- MA, S. C. Eradicating the stage characteristics of the Acrididae. (Ch) U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 310:14-24. Apr. 25, 1966. (JPRS 35,161; TT 66-31598) 173 J663Teco
Translation from K'uo Hsueh T'ung Pao 12: 1072-1077. Dec. 1965.
Issued by CFSTI.
- MASAKI, J. Effects of organic phosphorus insecticides against second generation larvae of two-brooded rice-borers obtained when sprinkled over paddy water. 5 p. Transl. 15985
Translation from Kanto-Tosan Disease and Insect Damage Research Society. Annals. Vol. 12, 1965.
- MEDNIKOV, B. M. The correlation between development rate in insects and the nucleotide composition of their ribosome RNA. U. S. Joint Publ. Res. Serv. [Transl.] Correl. Devel. Part Insects Nucleotide Composition Ribosome RNA, USSR, May 31, 1965:1-6. Ref. 173 J663Cor
Translation from Doklady Akademii Nauk SSSR 161(3):721-723. 1965.
Issued by CFSTI \$1.00.
- *MEL'NIKOV, N. N., GRAPOV, A. F., and RAZVODOVSKAYA, L. V. Organic insectofungicides. XC. Unsymmetrically substituted p-methylphosphonothioic diamides. J. Gen. Chem. USSR 36(2):279-281. Feb. 1966. 385 Z6Ae
- MICKWITZ, C. U. VON. Materials on the occurrence of congenital foot-and-mouth disease in the pig. 18 p. Transl. 16079
Translation from Monatshefte fur Veterinarmedizin 20(17/18):774-778. 1965.
- *MISIC, P. Effect of parents on the germination of hybrid apple seed. J. Sci. Agr. Res. 18(61): 99-110. Ref. 1965. 21.5 Y9Ae
- MOLFI, A., and SCHLOGL, F. Occurrence of nuttalliosis in Parana. 3 p. Transl. 15235
Translation from Arquivos de Biologia e Tecnologia 7(3):13-17. 1956.
- NASU, S., and SUENAGA, H. On the embryonic development of planthoppers. 27 p. Ref. Transl. 15408
Translation from Kyushu, Agricultural Experiment Station. Bulletin 5(1):71-84. 1958.
- NAURYZBAEV, I. Disinfection of wool contaminated with foot-and-mouth disease virus. 8 p. Transl. 16084
Translation from Vsesoyuznyi Institut Veterinarnoi Sanitarii. Trudy 24:404-406. 1964.
- NEPOROZHNI, P. S. Electrification and power construction in the U.S.S.R. 187 p. (TT 65-50095) TK85.N43
Translation of Elektrifikatsiya i Energeticheskoe Stroitel'stvo.
CFSTI \$5.00.
- OHATA, K. I., GOTO, K., and KOZAKA, T. Observations on the reaction of rice cells to the infection of different races of Piricularia oryzae. 21 p. Ref. Transl. 15127
Translation from Phytopathological Society of Japan. Annals 28(1):24-30. 1963.

- ORLOS, H., and DOMINIK, T. Some notes on the biology of the root Fomes, *Fomes annosus* (Fr.) Cooke, 10 p. (TT 65-50331) Transl. 16249
Translation from Sylwan 1:1-13. 1960. CFSTI: \$1.00.
- OSTROVSKII, N. I. The toxic effect on honey bees of herbicides and of mineral-fertilizer solutions used for non-radical nutrition. 3 p. Transl. 15041
Translation from Vsesoyuznaya Akademiya Sel'skokhozyaystvennykh Nauk. Doklady 20(2): 32-34. 1955.
- OSVALD, H. The earth can feed us. 141 p. TX355.083
English translation of Jorden kan foda oss; jordens befolkning och livsmedelsförsörjningen.
- PAECH, K. The biogenesis of secondary plant materials. 15 p. Ref. Transl. 15382
Translation from Congr. Intern. Bot. Rapps. et Communs. 8:49-56. 1954.
- PAHLITZSCH, G., and SOMMER, I. Production of wood chips with a cylinder-type chipping machine. 35 p. Ref. Transl. 16250
Translation from Holz als Roh- und Werkstoff 23(10):403-412. Oct. 1965.
- *PANOV, A. A. The state of the protocerebral neurosecretory cells of the chinese oak silkworm *Antheraea pernyi* Guer. (Lepidoptera, Attacidae) in the course of larval development. Acad. Sci. USSR. Dokl. Biol. Sci. 165(1/6):750-753. Ref. Nov./Dec. 1965. 511 P444Aeb
- PARFENOVA, E. I., and YARLOVA, E. A. Mineralogical investigations in soil science. 178 p. S593.P33
Translation of Mineralogicheskie Issledovaniya v Pochvovedenii. CFSTI: \$5.00.
- *PEJKIC, B. Improved method of internal irradiation with radioactive phosphorus applied in fruit selection. J. Sci. Agr. Res. 18(61):41-46. Ref. 1965. 21.5 Y9Ae
- *POTAPOV, N. G., and SALAMATOVA, T. S. The influence of some inhibitors on respiration in the root growth zones in lupine. Soviet Plant Physiol. 11(5):649-654. Ref. Sept./Oct. 1964. 450 F58Ae
- RECK, S. The variation and covariation of some anatomic characteristics of wood and their relation to density in pine. 122 p. Ref. Transl. 16254
Translation from Bundesforschungsanstalt für Forst- und Holzwirtschaft, Mitteilungen 60, 120 p. Oct. 1965.
- RIBEIRO, A. N., and PEREIRA, F. S. L. On the bilirubin level in the serum of Thoroughbred horses, with special reference to variations due to nuttalliosis. 5 p. Transl. 15249
Translation from Sao Paulo, Universidade Faculdade de Medicina Veterinaria, Revista 5 (4):567-572. 1956.
- ROGACHEV, V. I. Chemical methods of preservation of foodstuffs. U. S. Joint Publ. Res. Serv. [Transl.] Preserv. Protein Enrichment Foodstuffs, USSR, Nov. 4, 1965:1-18. Ref. (JPRS 32,723; TT 65-33202) 173 J663Pre
Translation from Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva 10(3):287-294. 1965. CFSTI \$2.00.
- RUKAUSHNIKOV, B. I. Combination of chemical and biological control of pests. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:58-76. Ref. (JPRS 27,230; TT 64-51485) 173 J663Uc
Translation from Khimiya v Sel'skom Khozyaystve 8:57-68. Aug. 1964. CFSTI \$3.00.
- SCHAECHTER, A., and OARDA, M. Intoxication by organic phosphorous compounds. 13 p. Ref. (JPRS 35,718; TT 66-32153) Transl. 15945
Translation from Medicina Interna 18(3):283-291. Mar. 1966. CFSTI: \$1.00.
- SHEYNKIN, G. Y., and SURIN, V. A. Polymers in irrigated agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 3, 1964:49-57. (JPRS 27,230; TT 64-51485) 173 J663Uc
Translation from Khimiya v Sel'skom Khozyaystve 8:52-56. Aug. 1964. CFSTI \$3.00.
- SHIBAMOTO, S., KUREHA, K., and YAMAGISHI, Y. Effects of systemic insecticides on rice stem borers. 4 p. Transl. 16146
Translation from Kanto Tozan Plant Disease and Insect Pest Research Society 12. 1965.
- SKADCHENKO, N. M. On the effects of potassium phosphate and lime on the accumulation of strontium-90 by plants depending on the stable strontium content in the soil. U. S. Joint Publ. Res. Serv. [Transl.] Plant Physiol. Effect Fert. Crops Build-up Radioact. Prod. USSR, Dec. 22, 1964:10-17. Ref. (JPRS 27,940; TT 64-51982) 173 J663PL
Translation from Vestnik Moskovskoe Universitet, Seriya VI, Biologiya, Pochvovedenie, 5:57-62. Sept./Oct. 1964. CFSTI \$2.00.
- SMIRNOVA, V. A., and SOROGOVETS, P. E. The effect of gray alder [*Alnus incana*] on herbaceous vegetation. 4 p. (TT 66-51091) Transl. 16294
Translation from Akademiya Nauk Belorusskoi SSR. Institut Biologii. Byulleten' 5:58-62. 1960. CFSTI: \$1.00.
- *SOSKIC, M., and HADROVIC, H. Resistance of some apple varieties to low temperatures in Metohija. J. Sci. Agr. Res. 18(61):23-30. 1965. 21.5 Y9Ae
- SPIRIN, A. S. The problem of protein biosynthesis. U. S. Joint Publ. Res. Serv. [Transl.] Microbiol. Syn. Indus. Protein Biosyn. USSR, June 8, 1965:13-39. (JPRS 30,486; TT 65-31197) 173 J663Mic
Translation from Vestnik Akademii Nauk SSSR 4:42-50. Apr. 1965. CFSTI \$2.00.
- STEPCHKOV, K. A., and GOLOBOV, A. D. Protein hydrolyzates and synthetic amino acids as supplementary sources of food proteins. U. S. Joint Publ. Res. Serv. [Transl.] Preserv. Protein Enrichment Foodstuffs, USSR, Nov. 4, 1965:19-36. Ref. (JPRS 32,723; TT 65-33202) 173 J663 Pre
Translation from Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva 10(3):312-319. 1965. CFSTI \$2.00.
- STRZEMSKI, M. Present state of soil systematics in Europe. 31 p. Ref. (TT 65-50323) Transl. 16258
Translation from Roczniki Gleboznawcze 9: 49-66. 1960. CFSTI: \$2.00.
- *SVETLOV, P. G., and KORSKOVA, G. F. Temperature dependence of the traits of the forked mutation in the offspring of female *Drosophila melanogaster*. Acad. Sci. USSR. Dokl. Biol. Sci. 165(1/6):737-739. Nov./Dec. 1965. 511 P444Aeb
- TALANOV, A. G. Results of the use of trichlorometaphos-3 to control hypodermatosis in cattle in tyumenskaya oblast. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:27-33. (JPRS 27,230; TT 64-51485) 173 J663Uc
Translation from Khimiya v Sel'skom Khozyaystve 8:41-44. Aug. 1964. CFSTI \$3.00.
- TOLMACHEV, A. I. Identification of firs growing on Sakhalin island. 9 p. Ref. (TT 65-51078) Transl. 16217
Translation from Akademiya Nauk SSSR, Botanicheskii Institut imeni V. L. Komarova, Gerbarii, Botanicheskie Materialy 16:29-36. 1954. CFSTI: \$1.00.

UEKI, S., and others. Effect of chemical control by the muzzle jet against the 1st generation of rice stem borer. 6 p. Transl. 16153
S. Yokowatari, M. Yusasa, and M. Suzuki, joint authors.

Translation from Hokuriku. Association of Plant Protection. Proceedings 12:57-58. Nov. 1964.

UGOLEV, B. N. Thermoresistant elastic moisture-proof coating for lumber. 4 p. (TT 66-51095) Transl. 16309

Translation from Derevoobrabatvyayushchaya Promyshlennost' 10:9-10. 1960.
CFSTI: \$1.00.

USTINOVSKAYA, L. T. Forest shelterbelts from the viewpoint of economic effectiveness. 5 p. (TT 66-51089) Transl. 16296

Translation from Vestnik Sel'skokhozyaistvennoi Nauki 11:98-102. 1959.
CFSTI: \$1.00.

VENEDIKTOV, A. M. Mineral alimentation of agricultural animals under conditions of feeding with ensilage crops. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:34-48. (JPRS 27,230; TT 64-51485)
173 J663Uc

Translation from Khimiya v Sel'skom Khozyaystve 8:44-52. Aug. 1964.
CFSTI \$3.00.

VINOGRADOV, G. N. The effect of fertilizers on the yield and quality of lettuce. U. S. Joint Publ. Res. Serv. [Transl.] Plant Physiol. Effect Fert. Crops Build-up Radioact. Prod. USSR, Dec. 22, 1964:18-30. Ref. (JPRS 27,940; TT 64-51982) 173 J663PL

Translation from Vestnik Moskovskoe Universitet. Seriya VI, Biologiya, Pochvovedenie, 5:70-79. Sept./Oct. 1964.
CFSTI \$2.00.

VYRLEV, I. Mechanization and automation of self-fed irrigation. 5 p. Transl. 16216

Translation from Mezhdunarodnyi Sel'skokhozyaistvennyi Zhurnal 8(2):97-100. 1964.

WALTER, F. Stability of adhesives and processed-wood materials and the perspectives for research in this field. 10 p. Transl. 16298

Translation from Perspektivy Zakladneho Vyskuma Dreva 12(3/6):297-305. 1963.

YABUTA, T. S., and others. Biochemical study of gibberellin. XIII. The effects of gibberellin on special components and special tissues of plants. 4. Action of gibberellin on tobacco seedlings. 1. 7 p. Transl. 16300

Y. Sumiki, K. Asou, and T. Hayashi, joint authors.

Translation from Agricultural Chemical Society of Japan. Journal 17(12):1001-1004. Dec. 1941.

YASHUNSKAYA, A. G., SHORYGINA, N. N., and ROGOVIN, Z. A. Preparation of dialdehyde cellulose and its ethers. 10 p. Ref. (TT 66-51139) Transl. 16302

Translation from Zhurnal Prikladnoi Khimii 22(8):865-873. 1949.
CFSTI: \$1.00.

YOKOYAMA, S., SAKAI, H., and INOUE, T. Research on rice culture and farm management by the efficient use of large-sized farm machinery. VII. Control of plant diseases and injurious insects. 6 p. Transl. 16157

Translation from Kyushu Agricultural Research 27:36-37. July 1965.

ZAKIROV, T. S., and BABAYEV, T. Y. Effective of organophosphorus defoliants of cotton in Samarkandskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:20-26. (JPRS 27,230; TT 64-51485)
173 J663Uc

Translation from Khimiya v Sel'skom Khozyaystve 8:38-40. Aug. 1964.
CFSTI \$3.00.

ZAYTSEV, V. S. Effectiveness of the use of herbicides in corn plantings under the conditions of Azerbaydzhan. U. S. Joint Publ. Res. Serv. [Transl.] Use Chem. Agr. USSR, Nov. 5, 1964:12-19. (JPRS 27,230; TT 64-51485)
173 J663Uc

Translation from Khimiya v Sel'skom Khozyaystve 8:35-37. 1964.
CFSTI \$3.00.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Publications in the various United States Department of Agriculture series are listed first, followed by publications issued by the various agencies within the Department, arranged alphabetically by name of agency.

Domestic requests for publications in the various Department series will be filled free to libraries and other qualified agencies and organizations upon application to the United States Department of Agriculture, Office of Information, Washington, D.C., 20250, as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington, D.C., 20250.

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Agricultural Economic Reports

- JORDAN, M. F., and BENDER, L. D. An economic survey of the Ozark Region. U. S. D. A. Agr. Econ. Rep. 97, 81 p., map. July 1966. A281.9 Ag8A
Bibliography, p. 71-77.
Arkansas Agricultural Experiment Station, cooperating.
STARBIRD, I. R., and HINES, F. K. Costs of producing upland cotton in the United States, 1964. U. S. D. A. Agr. Econ. Rep. 99, 46 p., map. Sept. 1966. A281.9 Ag8A
RAPTON, A. Seasonal work patterns of the hired farm working force of 1964. U. S. D. A. Agr. Econ. Rep. 102, 29 p. Oct. 1966. A281.9 Ag8A

Agriculture Handbooks

- DUNLEAVY, J. M., CHAMBERLAIN, D. W., and ROSS, J. P. Soybean diseases. U. S. D. A. Agr. Handbook 302, 38 p. July 1966. 1 Ag84Ah
NEWCOMER, E. J. Insect pests of deciduous fruits in the West. U. S. D. A. Agr. Handbook 306, 57 p. Aug. 1966. 1 Ag84Ah
CASADY, R. B., SAWIN, P. B., and VAN DAM, J. Commercial rabbit raising. U. S. D. A. Agr. Handbook 309, 69 p. Ref. 1966. 1 Ag84Ah
GIBSON, P. B., and HOLLOWELL, E. A. White clover [*Trifolium repens* L.]. U. S. D. A. Agr. Handbook 314, 33 p. Ref., p. 30-33. Aug. 1966. 1 Ag84Ah

Agriculture Information Bulletins

- U. S. FOREST SERV. Your water supply and forests. U. S. D. A. Agr. Inform. Bull. 305, 17 p. Aug. 1966. 1 Ag84Ab

Farmers' Bulletins

- MCGREW, J. R. Strawberry diseases. U. S. D. A. Farmers' Bull. 2140, rev., 28 p. July 1966. 1 Ag84F
U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Simple plumbing repairs for the home and farmstead. U. S. D. A. Farmers' Bull. 2202, slightly rev., 16 p. Sept. 1966. 1 Ag84F

Leaflets

- U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Chiggers; how to fight them. U. S. D. A. Leaflet 403, slightly rev., 16 p.-folder. 1966. 1 Ag84L
U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Dwarf fruit trees; selection and care. U. S. D. A. Leaflet 407, slightly rev., 8 p. Oct. 1966. 1 Ag84L
U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Anaplasmosis in cattle. U. S. D. A. Leaflet 437, rev., 4 p. Sept. 1966. 1 Ag84L
U. S. Agricultural Research Service, Entomology Research Division, cooperating.
U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing grain sorghum. U. S. D. A. Leaflet 478, slightly rev., 8 p. Oct. 1966. 1 Ag84L
CLARK, F. B. Planting black walnut for timber. U. S. D. A. Leaflet 487, rev., 8 p., map. Sept. 1966. 1 Ag84L

Marketing Bulletins

- U. S. CONSUMER AND MARKETING SERV. How to buy poultry by USDA grades. U. S. D. A. Marketing Bull. 1, rev., 6 p.-folder. Sept. 1966. A280.39 Ag8M

Marketing Research Reports

- HAMMONS, D. R. Hog slaughtering and dressing systems. U. S. D. A. Marketing Res. Rep. 755, 25 p. Sept. 1966. 1 Ag84Mr
Oklahoma Agricultural Experiment Station, cooperating.
CLAYTON, L. Y. Homemakers' use of and opinions about selected fruits and fruit products. U. S. D. A. Marketing Res. Rep. 765, 78 p. Aug. 1966. 1 Ag84Mr

Miscellaneous Publications

- NEWMAN, J. O. A house-framing system for low-cost construction. U. S. D. A. Misc. Publ. 1020, 18 p. Aug. 1966. 1 Ag84M
U. S. AGRICULTURAL RESEARCH SERV. Calf barn, open front, pen type; cooperative farm building plan No. 5970. U. S. D. A. Misc. Publ. 1033, 2 p. Nov. 1966. 1 Ag84M
U. S. AGRICULTURAL RESEARCH SERV. Cattle dipping vat and inspection facility; cooperative farm building plan No. 5940. U. S. D. A. Misc. Publ. 1035, 2 p. Sept. 1966. 1 Ag84M
POWELL, J. V., and LUNDQUIST, D. M. A bibliography on marketing woody plants and related nursery products, 1944-65. U. S. D. A. Misc. Publ. 1039, 23 p. Sept. 1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. Incinerator, concrete block; cooperative farm building plan No. 5996. U. S. D. A. Misc. Publ. 1040, 2 p. Nov. 1966. 1 Ag84M

Program Aid

U. S. FOREST SERV. Forestry activities; a guide for youth group leaders. U. S. D. A. PA-457, slightly rev., 31 p. Ref. Oct. 1966. 1 Ag84Pro

U. S. CONSUMER AND MARKETING SERV. Quantity recipes for type A school lunches. U. S. D. A. PA-631, rev., cards. Sept. 1966. 1 Ag84Pro

U. S. Fish and Wildlife Service, cooperating. U. S. CONSUMER AND MARKETING SERV. Lunch at school serves the nation; 20 years of progress in the National School Lunch Program. U. S. D. A. PA-764, 15 p. Aug. 1966. 1 Ag84Pro

U. S. FARMERS HOME ADMIN. Increasing farm and ranch income through grazing associations. U. S. D. A. PA-773, 4 p. Aug. 1966. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE, OFF. OF INFORMATION. USDA helps expand outdoor recreation for fun and profit. U. S. D. A. PA-780, 16 p., map. Oct. 1966. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE, OFF. OF INFORMATION. Department of Agriculture's role in resource conservation. U. S. D. A. PA-781, 15 p. Oct. 1966. 1 Ag84Pro

Statistical Bulletins

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Supplement for 1966 to: Statistics on cotton and related data, 1925-1962. U. S. D. A. Statist. Bull. 329, 146 p. Nov. 1966. 1 Ag84St

By E. F. Morris and S. Frye.

U. S. CONSUMER AND MARKETING SERV. Livestock and meat statistics. U. S. D. A. Statist. Bull. 333(sup.), 160 p. Aug. 1966. 1 Ag84St

U. S. Department of Agriculture Statistical Reporting Service and Economic Research Service, cooperating.

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Supplement for 1966 to: Livestock-feed relationships, 1909-1965, by G. Allen and M. Devers. U. S. D. A. Statist. Bull. 337, 26 p., map. Nov. 1966. 1 Ag84St

Technical Bulletins

LEE, W. O. Effect of annual applications of diuron on seed yields of perennial grasses in Oregon. U. S. D. A. Tech. Bull. 1358, 23 p. July 1966. 1 Ag84Te

Oregon Agricultural Experiment Station, cooperating.

Unnumbered Publications

KENT, N. L., and EVERS, A. D. Endosperm reduction in hard red spring wheat. Northwest. Miller 273(12):12,14,16,18,20-22. Dec. 1966. 298.8 N81

Research financed in part by the U. S. Department of Agriculture under Public Law 480.

AGRICULTURAL RESEARCH SERVICE

CITRUS RESEARCH CONFERENCE, PASADENA, CALIFORNIA, 1965. Program and abstracts of papers. Albany, California, U. S. Agricultural Research Service, Western Utilization Research and Development Division, 1965. 17 p. A93.09 C74

COTTON UTILIZATION RESEARCH CONFERENCE, 5, NEW ORLEANS, LOUISIANA, 1965. Proceedings. U. S. Agr. Res. Serv. ARS-72-42, 55 p. 1965. A381 R31

CREECH, J. L. Ornamental plant explorations-Japan, 1961. U. S. Agr. Res. Serv. ARS-34-75, 64 p., map. May 1966. A64.9 R31A

Longwood Gardens of the Longwood Foundation, Inc., Kennett Square, Pennsylvania, cooperating.

CREIGHTON, C. S., and REID, W. J. Field evaluation of chemical compounds for control of cabbage caterpillars. U. S. Agr. Res. Serv. ARS-33-114, 8 p. July 1966. A420 R31

South Carolina Agricultural Experiment Station, cooperating.

HENDRIX, A. T. Modulating valve for programmed temperature. U. S. Agr. Res. Serv. ARS-42-120, 8 p. Sept. 1966. A58.9 R31

NELSON, H. D. Malathion-treated drying trays to protect raisins from insects; commercial tests in 1965. U. S. Agr. Res. Serv. ARS 51-9, 7 p. Aug. 1966. A280.39 R31A

REDLINGER, L. M., and WOMACK, H. Evaluation of four inert dusts for the protection of shelled corn in Georgia from insect attack. U. S. Agr. Res. Serv. ARS 51-7, 25 p. Ref. June 1966. A280.39 R31A

SKAU, D. B. Bibliography on aflatoxin from 1960; a list of references relating to the occurrence, production, properties, and effects of aflatoxin. New Orleans, U. S. Agricultural Research Service, Southern Utilization Research and Development Division, 1965. 40 p. zA5524.T755

STOUT, B. A., and others. A prototype hydro-handling system for sorting and sizing apples before storage. U. S. Agr. Res. Serv. ARS-52-(n.s.)14, 12 p. Aug. 1966. A289.9 R31

D. H. Dewey, E. G. Vis, and J. F. Herrick, joint authors.

Michigan Agricultural Experiment Station, cooperating.

U. S. AGRICULTURAL RESEARCH SERV. General catalogue of the Homoptera. Fascicle VI. Cicadelloidea. 15. I. Issidae, by Z. P. Metcalf. Washington, 1966. 229 p. 431 H78Gc

Contribution from North Carolina Agricultural Experiment Station.

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 15, parasite-subject catalogue: hosts, by J. M. Humphrey and D. B. Segal, with the assistance of M. L. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 149 p. 1 AnSind

Includes insects.

U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. Rangeland grasshopper infestations; acreage by regions, fall, 1965. Washington, 1965. 2 p., map. QL507.L U5

U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. Summary of activities, fiscal year, 1965. U. S. Agr. Res. Serv. ARS-82-2-7, 19 p. Feb. 1966. A464.479 R31

WHITE, G. D., and others. Evaluation of four inert dusts for the protection of stored wheat in Kansas from insect attack. U. S. Agr. Res. Serv. ARS 51-8, 21 p. June 1966. A280.39 R31A

W. L. Berndt, J. H. Schesser, and C. C. Fifield, joint authors.

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The pesticide review, 1966, by H. H. Shepard, J. N. Mahan, and D. L. Fowler. Washington, 1966. 33 p. 1.956 M343P43

CONSUMER AND MARKETING SERVICE

- U. S. CONSUMER AND MARKETING SERV.
Beef and pork; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-36,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Canned chopped meat or canned luncheon meat; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-43,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Cheese; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-25,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Daily food guide; some choices for thrifty families. U. S. Consum. Marketing Serv. C&MS-23,2 p. July 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Donated cracked wheat bulgur; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-33,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Donated nonfat dry milk; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-26,4 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Donated rolled wheat; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-35,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Dry beans; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-40,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Dry split peas; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-38,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Eggs; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-42,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Enriched corn grits; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-31,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Enriched cornmeal; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-32,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Enriched rice; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-30,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Fish; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-39,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.

- U. S. CONSUMER AND MARKETING SERV.
Fruits and vegetables for vitamin C; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-28,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Peanut butter; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-37,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Poultry; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-41,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Rolled wheat recipes for institutions. U. S. Consum. Marketing Serv. C&MS-19,8 p. Nov.1965. A280.39 C762
- U. S. CONSUMER AND MARKETING SERV.
Vegetables and fruits for vitamin A; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-27,2 p. Sept.1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
Whole grain or enriched breads and cereals; a good choice for the thrifty family. U. S. Consum. Marketing Serv. C&MS-34,2 p. Sept. 1966. A280.39 C762
U. S. Agricultural Research Service, cooperating.
- U. S. CONSUMER AND MARKETING SERV.
MEAT INSPECTION DIV. Summary of activities, 1965. U. S. Consum. Marketing Serv. C&MS-20,27 p. Jan.1966. A280.39 C762
- U. S. CONSUMER AND MARKETING SERV. TO-BACCO DIV. Official standard grades for flue-cured tobacco (U. S. types 11, 12, 13, and 14), effective June 12, 1965. Washington, 1965. 34 p. aHD9131.U5A5

ECONOMIC RESEARCH SERVICE

- HANSON, I. Evaluating enabling laws for special districts: a case study in Oklahoma. U. S. D. A. Econ. Res. Serv. ERS-281,37 p. Ref. May 1966. A281.9 Ag83E
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Farm population, estimates for 1965. U. S. D. A. Econ. Res. Serv. ERS-286,4 p. Apr.1966. A281.9 Ag83E
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. U.S. foreign agricultural trade by countries, calendar year 1965. Washington, 1966. 91 p. A286.9 Ag8F

FARMERS HOME ADMINISTRATION

- U. S. FARMERS HOME ADMIN. Press reports: building rural America; rural areas development. Washington, 1966. 51 p. aHG2051.U5A5
Agricultural credit.
- U. S. FARMERS HOME ADMIN. Real estate loan allotments and obligations, 1965 fiscal year through June 30. Washington, 1965. 25 p. A284.29 F2232

FEDERAL EXTENSION SERVICE

- U. S. FEDERAL EXTENSION SERV. Agricultural information staffs in State land grant universities. Washington, 1966. 28 p. A276.6 F312

FOREIGN AGRICULTURAL SERVICE

- HARNESS, V. L., and LEWIS, C. F. Cotton in Turkey. U. S. Foreign Agr. Serv. FAS-M-179, 18 p., map. Sept. 1966. A281.9 F76Fm
- U. S. FOREIGN AGRICULTURAL SERV. The world grain trade, 1963-64/1964-65, and 10 year summary. U. S. Foreign Agr. Serv. FAS-M-180, 59 p. Sept. 1966. A281.9 F76Fm

FOREST SERVICE

- BARON, F. J., and others. Seeding conifers and buffer crops to reduce deer depredation. U. S. Forest Serv. Res. Note PSW-100, 8 p. Ref. 1966. A99.9 F7652
- E. C. Nord, A. B. Evanko, and W. J. Makel, joint authors.
- GANSNER, D. A., and DEBALD, P. S. Kentucky forests; Blue Grass Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-7, 33 p., map. Mar. 1966. A99.9 F7629Uf
- Kentucky Department of Natural Resources, Division of Forestry, cooperating.
- HOUSTON, D. R. Strumella canker of oaks. U. S. Forest Serv. Forest Pest Leaflet. 101, 8 p. Aug. 1966. A423.9 F764
- KEEN, F. P. The western pine beetle [Dendroctonus brevicornis]. U. S. Forest Serv. Forest Pest Leaflet. 1, rev., 4 p., map. May 1966. A423.9 F764
- MUERLE, G. F., and HORNIBROOK, E. M. Timber harvest in California, 1962. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-2, 29 p. 1965. aSD11.A3
- NELSON, R. E. A record of forest plantings in Hawaii. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-1, 18 p. 1965. aSD11.A3
- STRUBLE, G. R. California five-spined ips [Ips confusus]. U. S. Forest Serv. Forest Pest Leaflet. 102, 4 p., map. Aug. 1966. A423.9 F764
- U. S. FOREST SERV. Forest insect conditions in the United States, 1965. Washington, 1966. 47 p. A423.9 F763
- U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Removing undesirable trees from hardwood stands; a literature review, by R. D. Lindmark. Columbus, Ohio, 1965. 23 p. aSD396.5.I5
- U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Silvics of European alder [Alnus glutinosa], by D. T. Funk. Columbus, Ohio, 1965. 21 p., map. Ref. aSD397.A4F9
- U. S. FOREST SERV. INTERMOUNTAIN REGION. Sawtooth National Forest, North Division, Idaho, Ogden, Utah, 1965. 28 p., folder, map. aSD428.S2A5
- U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Snoqualmie National Forest; 1965 letter to the stockholders. Seattle, 1966? 29 p. A99.9 Sn5

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Strawberry Mountain Wilderness, Malheur National Forest. Washington, 1966. 36 p., folder, map. aSD428.M3A5

NATIONAL AGRICULTURAL LIBRARY

KUBAL, G. J. Cooperation in agriculture, 1954-1964; a list of selected references. U. S. Natl. Agr. Libr. List 41(sup.2), 115 p. Oct. 1966. 1.916 L612

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Report of the Administrator, 1965. Washington, 1966. 46 p., map. 1 Ag84

SECRETARY, OFFICE OF

- SCHNITTKER, J. A. Agriculture, a story of progress; remarks at the annual meeting of the Cotton Producers Association, Atlanta, Georgia, November 22, 1965. Washington, U. S. D. A., Office of the Secretary, 1965. 13 p. A281.9 Sch2
- SCHNITTKER, J. A. The food potential of the world; remarks before the National Catholic Rural Life Conference, Manhattan, Kansas, October 15, 1966. Washington, U. S. D. A., Office of the Secretary, 1966. 15 p. A281.9 Sch2
- SCHNITTKER, J. A. USDA's goal: a healthy meatpacking industry; address before the National Independent Meat Packers Association, Washington, D. C., May 19, 1966. Washington, U. S. D. A., Office of the Secretary, 1966. 7 p. A281.9 Sch2

SOIL CONSERVATION SERVICE

- LARSEN, L. S., and others. Soil survey of Elbert County, Colorado, eastern part. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1960(31); 79 p., map. July 1966. 1 S632F
- T. G. Barber, E. L. Wesswick, D. E. McCoy, and J. B. Harman, joint authors.
- Colorado Agricultural Experiment Station, cooperating.
- U. S. SOIL CONSERVATION SERV. Soil survey of Clinton County, Pennsylvania, by W. J. Steptis, R. E. Matticks, R. Zimmerman, and R. Henry. Washington, 1966. 141 p., map. Ref. aS591.A3S7
- Pennsylvania State University, College of Agriculture and Agricultural Experiment Station, and Pennsylvania Department of Agriculture, State Soil and Water Conservation Commission, cooperating.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

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Alabama Agricultural Experiment Station, Auburn

HARRIS, H. M., and WILSON, L. E. Size adjustments of Alabama Grade A milk producers. Ala. Agr. Exp. Sta. Bull. 371, 31 p., map. Oct. 1966. 100 AL18

Arizona Agricultural Experiment Station, Tucson

WENE, G. P., and SHEETS, L. W. A summary report of pink bollworm [*Pectinophora gossypiella*] research in 1965. Ariz. Agr. Exp. Sta. Rep. 239, 23 p. Sept. 1966. 100 Ar4M
 CLUFF, C. B. Final report on research on evaporation reduction relating to small reservoirs, 1963-65 (Contract No. 14-06-D-5045). Ariz. Agr. Exp. Sta. Tech. Bull. 177, 47 p. Ref. Oct. 1966. 100 Ar4
 Prepared for the Bureau of Reclamation, U. S. Department of the Interior.

Arkansas Agricultural Experiment Station, Fayetteville

ARKANSAS farm research 15(5), 12 p. Sept./Oct. 1966. 100 Ar42F

California Agricultural Experiment Station, Berkeley

CALIFORNIA agriculture 20(9), 16 p. Sept. 1966. 100 C12Cag
 CALIFORNIA agriculture 20(10), 16 p. Oct. 1966. 100 C12Cag

Connecticut Agricultural Experiment Station, New Haven

FISHER, H. J. Report on inspection and analysis of commercial fertilizers, 1965. II. List of registrants, tonnages sold, and analyses. Conn. Agr. Exp. Sta. Bull. 679, 99 p. Oct. 1966. 100 C76St

Connecticut (Storrs) Agricultural Experiment Station, Storrs

FELLOWS, I. F., and PHILLIPS, W. E. Impact upon net income of added capital invested on Connecticut dairy farms. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 14, 19 p. July 1966. 100 C76Re

Florida Agricultural Experiment Station, Gainesville

OZAKI, H. Y. Florida Agricultural Experiment Stations vegetable variety trials for 1964 and 1965. Fla. Agr. Exp. Sta. Circ. S-176, 58 p. July 1966. 100 F66Ci

Florida Everglades Experiment Station, Belle Glade

LECROY, W. C., and THOMAS, F. H. Water control for sugarcane production on organic soils. Fla. Everglades Exp. Sta. Mimeo Rep. EES661-11, 3 p. Aug. 1966. 100 F663
 Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

GUZMAN, V. L. Performance trials with sweet corn hybrids. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-1, 6 p. Aug. 1966. 100 F663

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

CHAPMAN, H. L., KIDDER, R. W., and HAINES, C. R. Blackstrap molasses with and without additives for beef cows. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-4, 9 p. Sept. 1966. 100 F663

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Florida Agricultural Experiment Station, Indian River

HAYSLIP, N. C. Summary of tomato variety trials. Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Rep. IRL 67-1, 4 p. Sept. 7, 1966. 100 F664

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Georgia Agricultural Experiment Stations, Athens

GEORGIA AGRICULTURAL EXPERIMENT STATION. Progress report and swine field day. Ga. Agr. Exp. Sta. Mimeo. Ser. (n.s.) 253, 36 p. July 1966. 100 G293M

HANLIN, R. T. The Basidiomycetes of Georgia. Ga. Agr. Exp. Sta. Mimeo. Ser. (n.s.) 257, 36 p. July 1966. 100 G293M

Idaho Agricultural Experiment Station, Moscow

SUNDERMAN, D. W., and WISE, M. Lemhi 66, a rust resistant soft white spring wheat for irrigated areas of Idaho. Idaho. Agr. Exp. Sta. Bull. 471, 3 p. Sept. 1966. 100 Id14
 MCKAY, H. C., and WINDLE, L. C. Grass seed harvesting methods. Idaho. Agr. Exp. Sta. Bull. 477, 7 p. Oct. 1966. 100 Id14
 U. S. Department of Agriculture, cooperating.

Illinois Agricultural Experiment Station, Urbana

ILLINOIS research 8(4), 20 p. Fall 1966. 100 IL64

Indiana Agricultural Experiment Station, Lafayette

INDIANA AGRICULTURAL EXPERIMENT STATION. CREAMERY LICENSE DIV. Fiftieth annual report, by H. F. Ford. Ind. Agr. Exp. Sta. Insp. Rep. 59, 15 p., map. June 1965. 280, 39 ln22

CALLAHAN, J. C., and KNUDSON, D. M. Economic aspects of commercial outdoor recreation enterprises in southern Indiana. Ind. Agr. Exp. Sta. Res. Bull. 814, 20 p., map. May 1966. 100 In2P

CALLAHAN, J. C. Economic returns associated with fifty nonindustrial-private woodlands in Indiana. Ind. Agr. Exp. Sta. Res. Bull. 815, 16 p., map. May 1966. 100 In2P

U. S. Department of Agriculture, cooperating. PAPATHANASIOU, G. A., and LESSMAN, K. J. Crambe [abysynical]. Ind. Agr. Exp. Sta. Res. Bull. 819, 8 p. June 1966. 100 In2P

U. S. Department of Agriculture, cooperating. CUMMINGS, K. R., PICKETT, R. A., and NOLLER, C. H. Effect of nitrogen fertilization on the feeding value of corn for swine. Ind. Agr. Exp. Sta. Res. Progr. Rep. 263, 5 p. Sept. 1966. 100 In2Res

JONES, H. W., and others. Winter comparison of bedding vs. no bedding in an open front growing-finishing house. Ind. Agr. Exp. Sta. Res. Progr. Rep. 264, 5 p. Sept. 1966. 100 In2Res
 R. A. Pickett, J. E. Kadlec, W. H. M. Morris, and M. Gallie, joint authors.

- JONES, H. W., and others. 'Studies of farrowing and nursery systems. Ind. Agr. Exp. Sta. Res. Progr. Rep. 267, 14 p. Sept. 1966. 100 In2Res
W. L. Good, R. A. Pickett, C. N. Hinkle, R. Daniel, J. E. Kadlec, and W. H. M. Morris, joint authors.
SMITH, R. M., and FITZSIMMONS, C. Consumer plans for and content of consumption as evidenced by food provisioning. Ind. Agr. Exp. Sta. Res. Progr. Rep. 269, 5 p. Oct. 1966. 100 In2Res

Iowa Agricultural and Home Economics Experiment Station, Ames

- IOWA farm science 21(5/6), 16 p. Nov./Dec. 1965. 275.28 Io94

Kansas Agricultural Experiment Station, Manhattan

- KEEN, R. A., and QUINLAN, L. R. Lawns in Kansas. Kans. Agr. Exp. Sta. Circ. 327, rev., 31 p., map. Oct. 1966. 100 K13S

Maine Agricultural Experiment Station, Orono

- PLUMMER, B. E. Commercial fertilizers, 1966. Maine. Agr. Exp. Sta. Bull., Aug. 1966, 62 p. 100 M28S

Minnesota Agricultural Experiment Station, St. Paul Campus, St. Paul 1

- TICHENOR, P. J., OLSEN, C. N., and DONOHUE, G. A. Editors and extension agents: how they view rural issues in Minnesota. Minn. Agr. Exp. Sta. Misc. Rep. 74, 16 p. Ref. Sept. 1966. 100 M66

Mississippi Agricultural Experiment Station, State College

- OVERCASH, J. P. Organic mulches improve strawberry plant growth. Miss. Agr. Exp. Sta. Bull. 728, 7 p. July 1966. 100 M69
BRYANT, E. S. Mississippi county population estimates by race and age, 1965. Miss. Agr. Exp. Sta. Soc. Rural Life Ser. 17, 58 p., map. Aug. 1966. 281.29 M693

Missouri Agricultural Experiment Station, Columbia

- WHITAKER, F. D., MCKIBBEN, J. S., and JONES, M. M. Reduced tillage in corn production. Mo. Agr. Exp. Sta. Bull. B852, 12 p. Mar. 5, 1966. 100 M693
U. S. Department of Agriculture, cooperating.

North Carolina Agricultural Experiment Station, State College Station, Raleigh

- RESEARCH and farming 24(4), 16 p. Spring 1966. 100 N81R

Ohio Agricultural Research and Development Center, Wooster

- PIERCE, L. T. A method for estimating soil moisture under corn, meadow, and wheat. Ohio. Agr. Res. Develop. Center. Res. Bull. 988, 18 p., map. Ref. Sept. 1966. 100 Oh3S
VAN KEUREN, R. W., and others. Utilization of alfalfa [Medicago sativa]-brome grass [Bromus inermis] as soilage, strip-grazing, and rotational grazing for dairy cattle. Ohio. Agr. Res. Develop. Center. Res. Bull. 989, 20 p. Ref. Oct. 1966. 100 Oh3S
A. D. Pratt, H. R. Conrad, and R. R. Davis, joint authors.

- PRATT, A. D., DAVIS, R. R., and VAN KEUREN, R. W. Sudangrass vs. alfalfa-grass for dairy pasture and silage in northeastern Ohio. Ohio. Agr. Res. Develop. Center. Res. Bull. 990, 16 p., map. Nov. 1966. 100 Oh3S
DANIEL, D. L., BELL, D. S., and SANGER, V. L. Arborization patterns of cervicovaginal mucus of sheep. Ohio. Agr. Res. Develop. Center. Res. Circ. 146, 15 p., map. Ref. Oct. 1966. 100 Oh3R

- HIBBS, J. W., and PARSONS, J. L. Relation of seeding rate to the lignin content of alfalfa. Ohio. Agr. Res. Develop. Center. Res. Circ. 147, 10 p., map. Oct. 1966. 100 Oh3R
OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Research at the Southern Branch, Carpenter, Ohio. Ohio. Agr. Res. Develop. Center. Res. Sum. 15, 42 p., map. Aug. 1966. 100 Oh3Rs
OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Lawn and ornamentals research, 1966. Ohio. Agr. Res. Develop. Center. Res. Sum. 16, 54 p., map. Sept. 1966. 100 Oh3Rs
OHIO report on research and development in biology, agriculture, and home economics 51 (3):35-48, May/June 1966. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

- GARTON, J. E. Designing an automatic cut-back furrow irrigation system. Okla. Agr. Exp. Sta. Bull. B-651, 20 p. Oct. 1966. 100 Ok4
LITTLE, C. H. A method to determine effects of new investment on a community. Okla. Agr. Exp. Sta. Process. Ser. P-551, 15 p., map. Nov. 1966. 100 Ok4M

Pennsylvania Agricultural Experiment Station, University Park

- JOHNSON, M. W., and others. 1965 Pennsylvania corn performance studies. Penn. Agr. Exp. Sta. Progr. Rep. 268, 34 p. Aug. 1966. 100 P381P
J. H. McGahan, W. F. Craig, and D. W. Sperling, joint authors.

South Carolina Agricultural Experiment Station, Clemson

- SENN, T. L., and SKELTON, B. J. Review of seaweed research, 1958-1965. S. C. Agr. Exp. Sta. Res. Ser. 76, 32 p. Ref. Feb. 1966. SB21.S6

South Dakota Agricultural Experiment Station, Brookings

- SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. South Central Research Farm, Presho, South Dakota; annual progress report. S. Dak. Agr. Exp. Sta. Agron. Pam. 80, 28 p. Dec. 1965. 100 So82A
SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Northeast Research Farms, Garden City and Watertown, South Dakota; annual progress report. S. Dak. Agr. Exp. Sta. Agron. Pam. 81, 37 p. Dec. 1965. 100 So82A

Texas Agricultural Experiment Station, College Station

- TEXAS. AGRICULTURAL EXPERIMENT STATION. Beef cattle research in Texas, 1966. Tex. Agr. Exp. Sta. Consolidated Progr. Rep. 2411-2426, 44 p. June 1966. 100 T31P
TEXAS. AGRICULTURAL EXPERIMENT STATION. Bell Rhodesgrass, a scale-resistant Rhodesgrass. Tex. Agr. Exp. Sta. L-689, 3 p. June 1966. 275.29 T313
SCHUSTER, M. F. Population regulation of Rhodes-grass scale [Antonina grammis] by the introduced parasite, Neodusmetia sangwani (Rao). Tex. Agr. Exp. Sta. Progr. Rep. 2429, 8 p. July 20, 1966. 100 T31P

TEXAS agricultural progress 12(4),20 p. Fall 1966. 100 T31Te

Washington Agricultural Experiment Station, Pullman

WALKER, A. L., and others. The economic significance of Columbia Basin Project development. Wash. Agr. Exp. Sta. Bull. 669,62 p., map. Sept. 1966. 100 W27E

B. D. Parrish, H. O. Ward, J. W. Adams, O. L. Brough, and D. F. Schuy, joint authors. Bureau of Reclamation, cooperating.

WILSON, W. J., and NYE, F. I. Some methodological problems in the empirical study of values. Wash. Agr. Exp. Sta. Bull. 672,12 p. Ref. July 1966. 100 W27E

WHITTLESEY, N. K., NOTEBOOM, I. A., and BUTCHER, W. R. Effect of product price relationships on farm organization and income in the Palouse region of Washington and Idaho. Wash. Agr. Exp. Sta. Bull. 674,24 p.,map. Aug. 1966. 100 W27E

U. S. Department of Agriculture, cooperating.

NELSON, C. E., EARLY, R. E., and MORTENSEN, M. A. Effects of plant spacing, fertility, and irrigation on yields and quality of Yakima Cluster hops. Wash. Agr. Exp. Sta. Bull. 676, 11 p. Ref. Oct. 1966. 100 W27E

SCHWARTZ, C. C., MYHRE, A., and DODGE, J. C. Blueberry propagation. Wash. Agr. Exp. Sta. Circ. 124,rev.,12 p. Sept. 1966. 100 W27S

VOGEL, O. A., MORRISON, K. J., and PETERSON, C. J. Nugaines. Wash. Agr. Exp. Sta. Circ. 465,3 p. Sept. 1966. 100 W27S

U. S. Department of Agriculture, cooperating.

DUFF, J. B., and WHITTLESEY, N. K. Harvesting costs for the self-propelled green pea combine—eastern Washington and eastern Oregon. Wash. Agr. Exp. Sta. Circ. 468,18 p. Oct. 1966. 100 W27S

U. S. Department of Agriculture, cooperating.

JOHANSEN, C., and EVES, J. Parasites and nest destroyers of the alfalfa leafcutting bee [*Megachile rotundata*]. Wash. Agr. Exp. Sta. Circ. 469,12 p. Ref. Sept. 1966. 100 W27S

ZUROSKE, C. H., BRANSON, I. D., and SWANSON, J. P. Sugar beet production costs by acreage groups. Wash. Agr. Exp. Sta. Circ. 470,17 p.,map. Oct. 1966. 100 W27S

JACK, R. L. Marketing West Virginia strawberries in out-of-state markets. W. Va. Agr. Exp. Sta. Circ. 528,27 p.,map. June 1966. 100 W52

TOBEN, G. E., and others. Cropping systems—kind, intensity, and length. W. Va. Agr. Exp. Sta. Circ. 530,31 p.,map. June 1966. 100 W52

P. E. Nesselroad, J. L. Morris, and G. G. Pohlman, joint authors.

CUNNINGHAM, C. J., WELCH, J. A., and HEISHMAN, J. O. Breed as a factor in the production of ewes retained for flock replacement. W. Va. Agr. Exp. Sta. Circ. 533,12 p. Sept. 1966. 100 W52

ANDERSON, G. C., CUNNINGHAM, C. J., and HEISHMAN, J. O. A comparison of three methods of feeding hay to wintering yearling cattle. W. Va. Agr. Exp. Sta. Circ. 534,8 p. Sept. 1966. 100 W52

Wyoming Agricultural Experiment Station, Laramie

STEVENS, D. M. Sheep industry in Wyoming, an economic analysis. Wyo. Agr. Exp. Sta. Bull. 444,80 p.,map. Mar. 1966. 100 W99

BURNS, R. H. Body weight computer for shorn ewes. Wyo. Agr. Exp. Sta. Circ. 75,chart. June 1965. 100 W99

HOUGH, H., and others. Summary of 1964 fertilizer studies in Wyoming. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 202R,28 p. June 1965. 100 W99M

L. I. Painter, P. Singleton, W. Seamands, J. Partridge, C. Moine, and G. Robbins, joint authors.

ALLEY, H. P., and others. Weed control in sugar beets. (1965 progress report). Wyo. Agr. Exp. Sta. Mimeogr. Circ. 207R,34 p. Dec. 1965. 100 W99M

G. A. Lee, G. L. Costel, C. F. Becker, and A. Gale, joint authors.

PFADT, R. E. Key to Wyoming grasshoppers, Acrididae and Tettigidae. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 210,25 p. Feb. 1965. 100 W99M

KEARL, W. G. A survey of big sagebrush control in Wyoming, 1952–1964. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 217,42 p.,map. Ref. Nov. 1965. 100 W99M

REGIONAL PUBLICATIONS

West Virginia Agricultural Experiment Station, Morgantown

CLARKE, J. H., HAUGHT, A. L., and SHAW, C. N. Twice-weekly milk delivery: experience, opinions, and economic effects. W. Va. Agr. Exp. Sta. Circ. 525T,60 p. June 1966. 100 W52

BARR, A. L. Beef cattle production: costs and returns for the cow-calf system in West Virginia. W. Va. Agr. Exp. Sta. Circ. 527,38 p. June 1966. 100 W52

Southern Cooperative Series

SOUTHERN FARM MANAGEMENT RESEARCH COMMITTEE. Cotton: supply, demand, and farm resource use. Southern Coop. Ser. Bull. 110,94,map. Ref. Nov. 1966. 100 G29S0

Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia; and U. S. Department of Agriculture, cooperating.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Service are usually available from the issuing extension service, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

ARKANSAS University, Agricultural Extension Service, Little Rock

- METZLER, G. F., and WORD, U. G. Camping; Arkansas Special Youth Project. Ark. Univ. Ext. Misc. Publ. 91,28 p.,map. 1965. 275.29 Ar4M1
- WORD, U. G., and RUTLEDGE, L. L. Reaching the unreached; Arkansas Special Youth Project, a study to reach more disadvantaged youth through an expanded 4-H program. Ark. Univ. Ext. Misc. Publ. 94,23 p. June 1966. 275.29 Ar4M1
- METZLER, G. F., and GRAY, D. L. Arkansas privately-owned recreation facilities, 1966. Ark. Univ. Ext. Misc. Publ. 95,17 p. 1965. 275.29 Ar4M1

FLORIDA University, Agricultural Extension Service, Gainesville

- MONTELARO, J., and MARVEL, M. E. Chemical weed control for Florida vegetable crops. Fla. Univ. Ext. Circ. 196B,16 p. June 1966. 275.29 F66C
- Published jointly with Florida Agricultural Experiment Stations.
- FLORIDA UNIVERSITY, AGRICULTURAL EXTENSION SERV. 1966-67 acreage-marketing guides; Florida vegetables. Gainesville, 1966. 23 p. 275.29 F66Foi

GEORGIA University, College of Agriculture, Extension Service, Athens

- HARRIS, E. D., and MCGLOHON, N. E. Pecan insects and diseases and their control. Ga. Univ. Ext. Bull. 644,rev.,19 p. Apr.1966. 275.29 G29B
- RODGERS, A. D. Refinishing furniture. Ga. Univ. Ext. Bull. 646,19 p. June 1965. 275.29 G29B
- BERGEAUX, P. J. Trace elements. Ga. Univ. Ext. Bull. 650,18 p. Apr.1966. 275.29 G29B
- JOHNSON, J. R., and LIVINGSTON, R. L. Fertilizer recommendations for Georgia. Ga. Univ. Ext. Circ. 371,rev.,8 p.-folder. Apr. 1966. 275.29 G29C
- MCGLOHON, N. E., and HARRIS, E. D. Disease and insect control in home orchards. Ga. Univ. Ext. Circ. 522,rev.,8 p.-folder. May 1966. 275.29 G29C
- GEORGIA UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Swine feeding. Ga. Univ. Ext. Circ. 560,6 p.-folder. May 1966. 275.29 G29C
- THOMPSON, S. S. Peanut leafspot diseases. Ga. Univ. Ext. Leaflet. 25,6 p.-folder. Mar. 1965. 275.29 G29L
- HARRIS, E. D. Hickory shuckworm [Laspheyresia caryana]. Ga. Univ. Ext. Leaflet. 30,rev.,6 p.-folder. July 1966. 275.29 G29L
- THOMPSON, S. S. Tobacco mosaic and its control. Ga. Univ. Ext. Leaflet. 53,8 p.-folder. May 1966. 275.29 G29L

IDAHO University, College of Agriculture, Extension Service, Moscow

- FENWICK, H. S., and OHMS, R. E. Potato ring rot, symptoms, cause and control. Idaho. Agr. Coll. Ext. Bull. 469,5 p.-folder. Aug. 1966. 100 Id14

INDIANA - Purdue University, Department of Agricultural Extension, Lafayette

- WALLACE, L. T., SARGENT, C. A., and ATKINSON, J. H. Your land and Indiana highways. Purdue Univ. Ext. Mimeo EC-273,9 p. Ref. 1963. 100 In2Ag
- ARMSTRONG, J. H. Indiana livestock-feed price ratios. Purdue Univ. Ext. Mimeo EC-275,10 p. Oct.1963. 100 In2Ag

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

- STRICKLER, J. Forests on the prairie. Kans. State Univ. Ext. C-300,rev.,16 p. Oct.1966. 275.29 K13Ex
- DEWERTH, A. F. Modern pruning methods. Kans. State Univ. Ext. C-370,20 p. Aug.1966. 275.29 K13Ex
- ANDERSON, E. A. Estate planning. Kans. State Univ. Ext. C-371,16 p. Aug.1966. 275.29 K13Ex
- HOWE, J. R. Facts about permanent press. Kans. State Univ. Ext. C-373,8 p.-folder. Nov. 1966. 275.29 K13Ex
- KEEN, R. A., and BUSSET, G. M. How to make leaf prints. Kans. State Univ. Agr. Ext. L-126, rev.,6 p.-folder. July 1966. 275.29 K13Le
- MCDONALD, H. J. Wheat standards for all classes of wheat. Kans. State Univ. Agr. Ext. L-164,rev.,4 p. Oct.1966. 275.29 K13Le

KENTUCKY University, Agricultural Extension Service, Lexington

- KEMP, J. D. Buy beef wisely, use it well. Ky. Univ. Ext. Circ. 523-A,24 p. Mar.1966. 275.29 K415
- PHILLIPS, S. H., and LOEFFEL, F. A. Growing corn in Kentucky. Ky. Univ. Ext. Circ. 558-A,16 p. June 1966. 275.29 K415
- SMILEY, J. H., and others. Controlling black shank of tobacco in Kentucky. Ky. Univ. Ext. Circ. 607,15 p.,map. Oct.1966. 275.29 K415
- G. W. Stokes, C. C. Litton, and I. E. Massie, joint authors.
- POPE, T. E., and GRAY, P. Establishing and managing turf on Kentucky athletic fields, school grounds, and other recreational areas. Ky. Univ. Ext. Circ. 609,12 p. Sept.1966. 275.29 K415
- BURR, B. You can renew old furniture. Ky. Univ. Ext. 4-H 1057,9 p. Mar.1966. 275.29 K415Fh
- BARTLETT, M. The 4-H member makes the most of windows. Ky. Univ. Ext. 4-H 1058, 12 p. Feb.1966. 275.29 K415Fh
- SEBREE, K. Furniture, lighting and accessories. Ky. Univ. Ext. 4-H 1059,23 p. Apr. 1966. 275.29 K415Fh
- MCCUISTON, V. Making a blouse & skirt. Ky. Univ. Ext. 4-H 1064,16 p. May/June 1966. 275.29 K415Fh
- KENTUCKY UNIVERSITY, AGRICULTURAL EXTENSION SERV. 4-H junior leadership manual. Ky. Univ. Ext. 4-H 1066,14 p. Ref. Apr.1966. 275.29 K415Fh
- BURR, B. Let's make a lamp. Ky. Univ. Ext. 4-H 1068,6 p. Sept.1965. 275.29 K415Fh
- KENTUCKY UNIVERSITY, AGRICULTURAL EXTENSION SERV. 4-H horse project record book for all 4-H projects. Ky. Univ. Ext. 4-H 1116-A,8 p. Mar.1966. 275.29 K415Fh

HORTON, H., BROCKMAN, F., and HELLER, J. H. Kentucky 4-H activity and awards hand-book. Ky. Univ. Ext. 4-H 1153-B, 44 p. May 1966. 275.29 K415Fh

WALLACE, R., and MARSHALL, M. H. Guidelines for teaching tailoring. Ky. Univ. Ext. H. E. 2-233-A, 21 p. Ref. Sept. 1966. 275.29 K415H

WALLACE, R. Makeovers: ideas for children's clothes. Ky. Univ. Ext. H. E. 2-336, 6 p.-folder, July 1965. 275.29 K415H

MARSHALL, M. H. Fabric finishes. Ky. Univ. Ext. H. E. 2-510A, rev., 8 p. Oct. 1966. 275.29 K415H

HELTON, E. Quick breads for holiday giving. Ky. Univ. Ext. H. E. 3-114, 9 p. Sept. 1966. 275.29 K415H

JOHNSON, E. Foods and nutrition, sense and nonsense. Ky. Univ. Ext. H. E. 3-315, 6 p. July 1966. 275.29 K415H

HELTON, E. What's in your market basket? Ky. Univ. Ext. H. E. 3-408, 4 p. July 1966. 275.29 K415H

HELTON, E. Your pantry—practical or padded. Ky. Univ. Ext. H. E. 3-409, 8 p. Oct. 1966. 275.29 K415H

HELTON, E. Getting your money's worth from the food dollar. Ky. Univ. Ext. H. E. 3-410, 9 p. Oct. 1966. 275.29 K415H

BARTLETT, M. Decorating with a plan. Ky. Univ. Ext. H. E. 4-113A, 15 p. Sept. 1966. 275.29 K415H

ANDERSON, E. S. Housekeeping management. Ky. Univ. Ext. H. E. 5-233, 8 p. Ref. Oct. 1966. 275.29 K415H

COODY, B. E. Gaining adult maturity. I. The meaning of maturity. Ky. Univ. Ext. H. E. 7-108, 15 p. Ref. Feb. 1966. 275.29 K415H

COODY, B. E. Gaining adult maturity. II. Maturing in the family. Ky. Univ. Ext. H. E. 7-109, 20 p. Ref. May 1966. 275.29 K415H

BURR, B. When you buy blankets. Ky. Univ. Ext. Leaflet, 288, 4 p. Feb. 8, 1966. 275.29 K415Le

BURR, B. When you buy bath towels. Ky. Univ. Ext. Leaflet, 289, 4 p. Feb. 8, 1966. 275.29 K415Le

WISE, W. E., and ROBERTSON, J. C. Precautions in using feed additives for swine. Ky. Univ. Ext. Leaflet, 290, 6 p.-folder, 1966. 275.29 K415Le

WISE, W. E., and GRAY, R. Precautions in using feed additives for beef. Ky. Univ. Ext. Leaflet, 291, 6 p.-folder, Sept. 1966. 275.29 K415Le

WISE, W. E., and BEGIN, J. J. Precautions in using feed additives for layers. Ky. Univ. Ext. Leaflet, 292, 6 p.-folder, Aug. 1966. 275.29 K415Le

CLARK, C. M., and WHITE, G. M. Light conditions for stripping tobacco. Ky. Univ. Ext. Leaflet, 293, 6 p.-folder, Oct. 1966. 275.29 K415Le

KENTUCKY, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Kentucky forest utilization survey. No. 17. n.p., 1966. 4 p., map. 99.9 K412

Prepared semi-annually by Forestry Department, University of Kentucky, in cooperation with the Kentucky State Division of Forestry.

MARYLAND University, Cooperative Extension Service, College Park

STEVENS, G., STEWART, L., and CASON, J. A comparison of forage handling systems; haylage, hay, corn silage. Md. Univ. Ext. Ext. Bull. 210, 9 p. May 1966. 275.29 M36B

BANDEL, V. A., SHAFNER, C. S., and HUNTER, H. A. Poultry manure is valuable fertilizer. Md. Univ. Ext. Fact Sheet 39, rev., 4 p. May 1966. 275.29 M36Fa

MILLER, J. R., and others. Yield goals in crop production. Md. Univ. Ext. Fact Sheet 97, rev., 4 p. May 1966. 275.29 M36Fa

J. L. Newcomer, V. A. Bandel, and W. J. Moline, joint authors.

ROTHGEB, R. G., and NEWCOMER, J. L. Oat production in Maryland. Md. Univ. Ext. Fact Sheet 99, rev., 2 p. May 1966. 275.29 M36Fa

MOLINE, W. J., and DECKER, A. M. How to select the right grass and legume for your forage program. Md. Univ. Ext. Fact Sheet 103, rev., 4 p. May 1966. 275.29 M36Fa

CHANCE, C. M. How mastitis is detected. Md. Univ. Ext. Fact Sheet 175, 2 p. Jan. 1966. 275.29 M36Fa

CHANCE, C. M. Managed milking helps prevent mastitis. Md. Univ. Ext. Fact Sheet 177, 2 p. Mar. 1966. 275.29 M36Fa

CHANCE, C. M. Sanitary milking equipment helps prevent mastitis. Md. Univ. Ext. Fact Sheet 179, 4 p. Mar. 1966. 275.29 M36Fa

MASSACHUSETTS University, Agricultural Extension Service, Amherst

MILLER, A. T., and others. Care and handling of prepared frozen foods in food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 9, 8 p. Jan. 1965. 275.29 M381F

H. M. El-Bisi, F. M. Sawyer, and C. E. Eshbach, joint authors.

ESHBACH, C. E., and WRISLEY, A. L. Purchasing food for food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 10, 21 p. Apr. 1965. 275.29 M381F

WRISLEY, A. L. Operating budgets for food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 12, 20 p. Dec. 1965. 275.29 M381F

LUKOWSKI, R. F., and ESHBACH, C. E. Using break-even analysis in food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 13, 20 p. Dec. 1965. 275.29 M381F

LUKOWSKI, R. F. Purchasing canned fruits and vegetables for food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 14, 21 p. Mar. 1966. 275.29 M381F

POTTER, F. E. Purchasing dairy products for food service establishments. Mass. Univ. Ext. Food Manage. Program Leaflet, 15, 20 p. Mar. 1966. 275.29 M381F

MICHIGAN State University of Agriculture and Applied Science, Cooperative Extension Service, East Lansing

DEAN, A. C. Prevent food poisoning; discover the unseen world. Mich. State Univ. Ext. Ext. Bull. 411, 14 p. Ref. May 1966. 275.29 M58B

MCINTOSH, R. W. Recruiting and training employees in the service industries. Mich. State Univ. Ext. Bull. 484, 16 p. July 1966. 275.29 M58B

SKOG, R. E., and DAY, M. W. Cutting practices for conifer swamps and upland spruce-balsam fir in northern Michigan. Mich. State Univ. Ext. Bull. 526, 14 p. Sept. 1966. 275.29 M58B

WALLNER, W. E. Insects affecting woody or ornamental shrubs and trees. Mich. State Univ. Ext. Bull. 530, 39 p. May 1966. 275.29 M58B

TROCKE, J. K. Marketing Christmas trees. Mich. State Univ. Ext. Bull. 535, 13 p., map. Ref. Aug. 1966. 275.29 M58B

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, CO-OPERATIVE EXTENSION SERV. Sew on your own snaps. Mich. State Univ. Ext. Bull. 547, 2 p. Sept. 1966. 275.29 M58B

MINNESOTA University, Agricultural Extension Service, St. Paul

ZABEL, M. Finishing and refinishing wood furniture. Minn. Univ. Ext. Bull. 332, 5 p. 1966. 275.29 M66S

RYAN, D. M. Ventilation of hog-finishing units with a high concentration of hogs. Minn. Univ. Ext. M-134, rev., 4 p. 1966. 275.29 M66Ps

MISSOURI University, College of Agriculture, Extension Service, Columbia

HOUSER, E. C. Summary of Missouri insect conditions, 1965. Mo. Univ. Ext. Circ. 865, 18 p., map. June 1966. 275.29 M69C

MONTANA State College, Cooperative Extension Service, Bozeman

MONTANA STATE COLLEGE, COOPERATIVE EXTENSION SERV. Montana 4-H Club projects. Mont. State Coll. Ext. Bull. 326, 15 p. Aug. 1965. 275.29 M76C

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

DOREMUS, M. Salads; cool, crisp, and colorful. Cornell Univ. Ext. Cornell Ext. Bull. 908, 4 p. Oct. 1966. 275.29 N48E

WIEGAND, E. Facts about floor care. Cornell Univ. Ext. Cornell Ext. Bull. 1157, 8 p. Oct. 1966. 275.29 N48E

CORNELL UNIVERSITY, STATE COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 tree-fruit production recommendations, by K. D. Hickey, M. B. Hoffman, G. H. Oberly, and J. L. Brann. Rev. Ithaca, New York, 1966. 44 p. 423.9 C81S

NORTH CAROLINA University, Extension Service, State College Station, Raleigh

TODD, F. A. Tobacco blue mold, anthracnose, and damping off control in flue-cured and burley tobacco. N. C. Univ. Ext. Ext. Circ. 397, rev., 8 p. June 1966. 275.29 N811

SPRUIELL, D., and WILDER, W. A. Feeder pigs to market hogs. N. C. Univ. Ext. Ext. Circ. 458, rev., 8 p. July 1966. 275.29 N811

SPRUIELL, D. Boar management. N. C. Univ. Ext. Ext. Circ. 459, rev., 8 p. July 1966. 275.29 N811

NEWMAN, D. F., and PARDUE, D. C. 1965 dairy farm business summary; progress report of North Carolina electronic farm records program. N. C. Univ. Ext. Ext. Circ. 472, 48 p., map. Sept. 1966. 275.29 N811

WESTMORELAND, G., and SENGHER, M. E. Steps to good milking. N. C. Univ. Ext. Ext. Folder 99, rev., 8 p.-folder. July 1966. 275.29 N811Ex

ROBERTSON, R. L. Lace bugs and their control. N. C. Univ. Ext. Ext. Folder 117, rev., 4 p. Aug. 1966. 275.29 N811Ex

ROBERTSON, R. L. Bagworms and their control. N. C. Univ. Ext. Ext. Folder 147, rev., 4 p. Aug. 1966. 275.29 N811Ex

HARWOOD, D. G., and DODSON, J. D. Will tobacco tying machines pay? N. C. Univ. Ext. Ext. Folder 254, 6 p.-folder. July 1966. 275.29 N811Ex

HINSON, T. Pans for top-of-range cookery. N. C. Univ. Ext. Home Econ. 31, 6 p.-folder. May 1966. 275.29 N811Hom

OREGON State University, Federal Cooperative Extension Service, Corvallis

ROSS, C. R. Men who grow trees. Oreg. State Univ. Ext. Ext. Circ. 546, rev., 8 p.-folder. Aug. 1966. 275.29 Or32C

Oregon Woodlands Publications Council, co-operating.

REYNOLDS, G. E. Vibriosis in range cattle. Oreg. State Univ. Ext. FS 107, rev., 1 p. Sept. 1966. 275.29 Or36

FRISCHKNECHT, W. D. Beef cattle—shaping up for winter. Oreg. State Univ. Ext. FS 111, 2 p. Oct. 1966. 275.29 Or36

PENNSYLVANIA State University, Colleges of Agriculture and Home Economics, Extension Service, University Park

PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF AGRICULTURE AND HOME ECONOMICS. Credit can be a useful tool. Penn. State Univ. Ext. Leaflet. 292, 8 p.-folder. Oct. 1966. 275.29 P38L

STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources: muskrats. Penn. State Univ. Ext. Leaflet. 293, 2 p. Nov. 1966. 275.29 P38L

STUDHOLME, C. R., and WINGARD, R. G. Pennsylvania wildlife resources: snakes. Penn. State Univ. Ext. Leaflet. 295, 4 p. Nov. 1966. 275.29 P38L

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

ROGERS, H. V. 1966 fall planting guide for South Carolina field crops. Clemson Univ. Ext. Inform. Card 91, rev., chart. Aug. 1966. 275.29 So81

NETTLES, W. C., and KISSAM, J. B. Insecticide use chart for milk producers; prevent insecticide residues in your milk supply. Clemson Univ. Ext. Inform. Card 103, rev., chart. July 1966. 275.29 So81

University of Georgia, College of Agriculture, Cooperative Extension Service, cooperating.

HANDLIN, D. L. Livestock judging manual. Clemson Univ. Ext. Circ. 424, rev., 48 p. July 1966. 275.29 So8E

SUMAN, R. F., and others. Beef production from summer grasses in the Coastal Plain. Clemson Univ. Ext. Circ. 503, 18 p. Apr. 1966. 275.29 So8E

S. G. Woods, T. C. Peele, and E. G. Gorbey, joint authors.

ALEXANDER, P. M., and SMITH, F. H. Controlling turgrass diseases. Clemson Univ. Ext. Lawngrass Circ. Suppl. 2, rev., 12 p.-folder. June 1966. 275.29 So86

MCCLAINE, E. F. Performance of sudangrass, sudangrass-sorghum, and pearl millet varieties and hybrids under clipping conditions at Clemson, S. C., 1960-64. S. C. Agr. Exp. Sta. Agron. Soils Res. Ser. 51, 4 p. Mar. 1965. 56.9 So84

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

THOMPSON, J., and others. Taxes, people, Plains. I. Why be concerned? S. Dak. State Univ. Ext. Ext. Circ. 645, 7 p., map. Jan. 1966. 275.29 So85

N. Dorow, E. Peterson, J. Timmons, R. Bevins, J. Bower, V. House, K. Oakleaf, and J. T. Stone, joint authors.

THOMPSON, J., and others. Taxes, people, Plains. II. Providing and paying for public services. S. Dak. State Univ. Ext. Ext. Circ. 645, 13 p., map. Jan. 1966. 275.29 So85

N. Dorow, E. Peterson, J. Timmons, R. Bevins, J. Bower, V. House, K. Oakleaf, and J. T. Stone, joint authors.

KERR, F. F. Planning and zoning in South Dakota. S. Dak. State Univ. Ext. Ext. Circ. 650, 11 p. Apr. 1966. 275.29 So85

HAWES, D. A. When you buy foundation garments. S. Dak. State Univ. Ext. FS 318, 4 p. Aug. 1966. 275.29 So85Fs

TENNESSEE University, Agricultural Extension Service, Knoxville

TENNESSEE UNIVERSITY, AGRICULTURAL EXTENSION SERV. The University of Tennessee forage testing service, sampling & mailing information. Tenn. Univ. Ext. SP 145,10 p.-folder. June 1965. 275.29 T25Sp

COBBLE, R. E. When selecting seed to plant, you want Tennessee certified seed. Tenn. Univ. Ext. SP 146,4 p. June 1965. 275.29 T25Sp

TENNESSEE UNIVERSITY, AGRICULTURAL EXTENSION SERV. Tennessee's dairy industry is big business. Tenn. Univ. Ext. SP 147, 8 p.-folder, map. June 1965. 275.29 T25Sp

TENNESSEE UNIVERSITY, AGRICULTURAL EXTENSION SERV. Tennessee's 1966 junior market hog shows and sales. Tenn. Univ. Ext. SP 151,6 p.-folder. Nov. 1965. 275.29 T25Sp

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

LYON, A. B., and others. Growing Christmas trees in Virginia. Va. Polytech. Inst. Ext. Bull. 296,25 p. Aug. 1966. 275.29 V81B

R. T. Marks, E. E. Rodger, and A. L. Jolly, joint authors.

MACNAE, M., and PURCHASE, M. E. Housecleaning handbook for young homemakers. Va. Polytech. Inst. Ext. Bull. 300,31 p. July 1966. 275.29 V81B

NAGEOTTE, G. J., and BARTON, J. A. Milk drinks. Va. Polytech. Inst. Ext. Circ. 618, rev.,10 p. Sept. 1966. 275.29 V81C

HABEL, K. L. Finishing wood furniture. Va. Polytech. Inst. Ext. Circ. 946, rev.,13 p. July 1966. 275.29 V81C

DAWSON, J. S., and DRIGGERS, L. B. Incinerator and disposal pit facilities recommended for farm animals. Va. Polytech. Inst. Ext. Circ. 1027,7 p. May 1966. 275.29 V81C

WHEARY, C. D. Consumer information on exterior paints and patting. Va. Polytech. Inst. Ext. Circ. 1028,10 p. Aug. 1966. 275.29 V81C

VIRGINIA POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Keeping lambs healthy. Va. Polytech. Inst. Ext. Circ. 1029,10 p. Aug. 1966. 275.29 V81C

SHOULDERS, J. F. Winter pastures with cover crops. Va. Polytech. Inst. Ext. Leaflet 135, rev., 2 p. Aug. 1966. 275.29 V81L

WASHINGTON State University, Extension Service, Pullman

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. 4-H Club initiation ceremony (instructions). Wash. State Univ. Ext. E. M. 1343, rev.,4 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. The county IFYE [International Farm Youth Exchange] or International Programs Committee. Wash. State Univ. Ext. E. M. 1764, rev.,3 p. Aug. 1966. 279.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. IFYE [International Farm Youth Exchange] candidate. Wash. State Univ. Ext. E. M. 1894, rev.,6 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Application form and lease-ownership agreement Washington Horse Breeders Association 4-H Thoroughbred Mare Lease Program, under supervision of the College of Agriculture Cooperative Extension Service, Washington State University. Wash. State Univ. Ext. E. M. 2021, rev.,2 p. July 1966. 275.29 W27Mi

ROBERTS, H. L. Tailoring procedures. Wash. State Univ. Ext. E. M. 2162, rev.,14 p. Aug. 1966. 275.29 W27Mi

ROBERTS, H. L. Selecting shoes. Wash. State Univ. Ext. E. M. 2231,3 p. Aug. 1966. 275.29 W27Mi

PATTISON, E. A. When you buy dishwashers. Wash. State Univ. Ext. E. M. 2267, rev.,3 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: late summer potatoes. Wash. State Univ. Ext. E. M. 2312, rev.,2 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Around the world; some international activities for groups of older 4-H Club members. Wash. State Univ. Ext. E. M. 2330, 2 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: chicken eggs—Washington. Wash. State Univ. Ext. E. M. 2330, rev.,2 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: chicken eggs—U.S. Wash. State Univ. Ext. E. M. 2331, rev.,2 p. Aug. 1966. 275.29 W27Mi

RUSHMORE, F. A., and others. The calibration of orchard weed sprayers. Wash. State Univ. Ext. E. M. 2362, rev.,6 p. Aug. 1966. 275.29 W27Mi

N. R. Benson, D. G. Swan, and E. H. Davis, joint authors.

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. 4-H foods and nutrition projects, 1966—67. Wash. State Univ. Ext. E. M. 2364, rev.,3 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Insect specimens for identification. Wash. State Univ. Ext. E. M. 2455, rev., 2 p. Aug. 1966. 275.29 W27Mi

LIGGETT, E. P. Family business center. Wash. State Univ. Ext. E. M. 2460, rev.,8 p. Aug. 1966. 275.29 W27Mi

LIGGETT, E. P. Social security. Wash. State Univ. Ext. E. M. 2466, rev.,8 p. Sept. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: sugar beets. Wash. State Univ. Ext. E. M. 2536, 2 p. Aug. 1966. 275.29 W27Mi

ROBERTS, H. L. Making a western shirt. Wash. State Univ. Ext. E. M. 2657, rev.,5 p. Aug. 1966. 275.29 W27Mi

KROENING, G. H. Wheat as a feed for finishing hogs. Wash. State Univ. Ext. E. M. 2661,11 p. July 1966. 275.29 W27Mi

MALOY, O. C. Plant diseases: powdery mildew. Wash. State Univ. Ext. E. M. 2665, 2 p. July 1966. 275.29 W27Mi

MALOY, O. C., and GOULD, C. J. Plant diseases: illac blight. Wash. State Univ. Ext. E. M. 2673, 2 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is Colombia. Wash. State Univ. Ext. E. M. 2674, 2 p., map. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Consumers ask about carpet bakings. Wash. State Univ. Ext. E. M. 2676, 3 p. Aug. 1966. 275.29 W27Mi

ROBERTS, H., and LIGGETT, E. P. Family clothing expenditures. Wash. State Univ. Ext. E. M. 2677, 8 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Care of asphalt tile floors. Wash. State Univ. Ext. E. M. 2678, 6 p.-folder. Aug. 1966. 275.29 W27Mi

MCGINNIS, J. Wheat as a feed for laying hens. Wash. State Univ. Ext. E. M. 2688, 10 p. Aug. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Sample: how to check a contract. Wash. State Univ. Ext. E. M. 2695, 2 p. Sept. 1966. 275.29 W27Mi

WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Credit checklist; analysis of an opinion. Wash. State Univ. Ext. E. M. 2696, 1 p. Sept. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Going broke in ten giant steps. Wash. State Univ. Ext. E. M. 2697, 1 p. Sept. 1966. 275.29 W27M1

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. How to figure interest rate. Wash. State Univ. Ext. E. M. 2698, 1 p. Sept. 1966. 275.29 W27M1

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Sample monthly spending plan; annual income—\$7,500—\$9,000, monthly income—\$625—\$750; from a national survey of assorted families. Wash. State Univ. Ext. E. M. 2699, 1 p. Sept. 1966. 275.29 W27M1

WISCONSIN University, College of Agriculture, Extension Service, Madison

WISCONSIN, UNIVERSITY. COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 progress in Wisconsin through the Extension Service. Wis. Univ. Ext. Spec. Circ. 122, 40 p. 1966. 275.29 W75S

WYOMING University, College of Agriculture, Extension Service, Laramie

WYOMING, UNIVERSITY. COLLEGE OF AGRICULTURE, EXTENSION SERV. The rocket age leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] H-15, 40 p., map. Ref. Sept. 1966. 275.29 W99F6

REGIONAL PUBLICATIONS

Pacific Northwest Cooperative Series

STRAWN, B. Better kitchen storage. PNW (Pacific Northwest Coop. Ext.) Bull. 47, rev., 15 p. July 1966. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

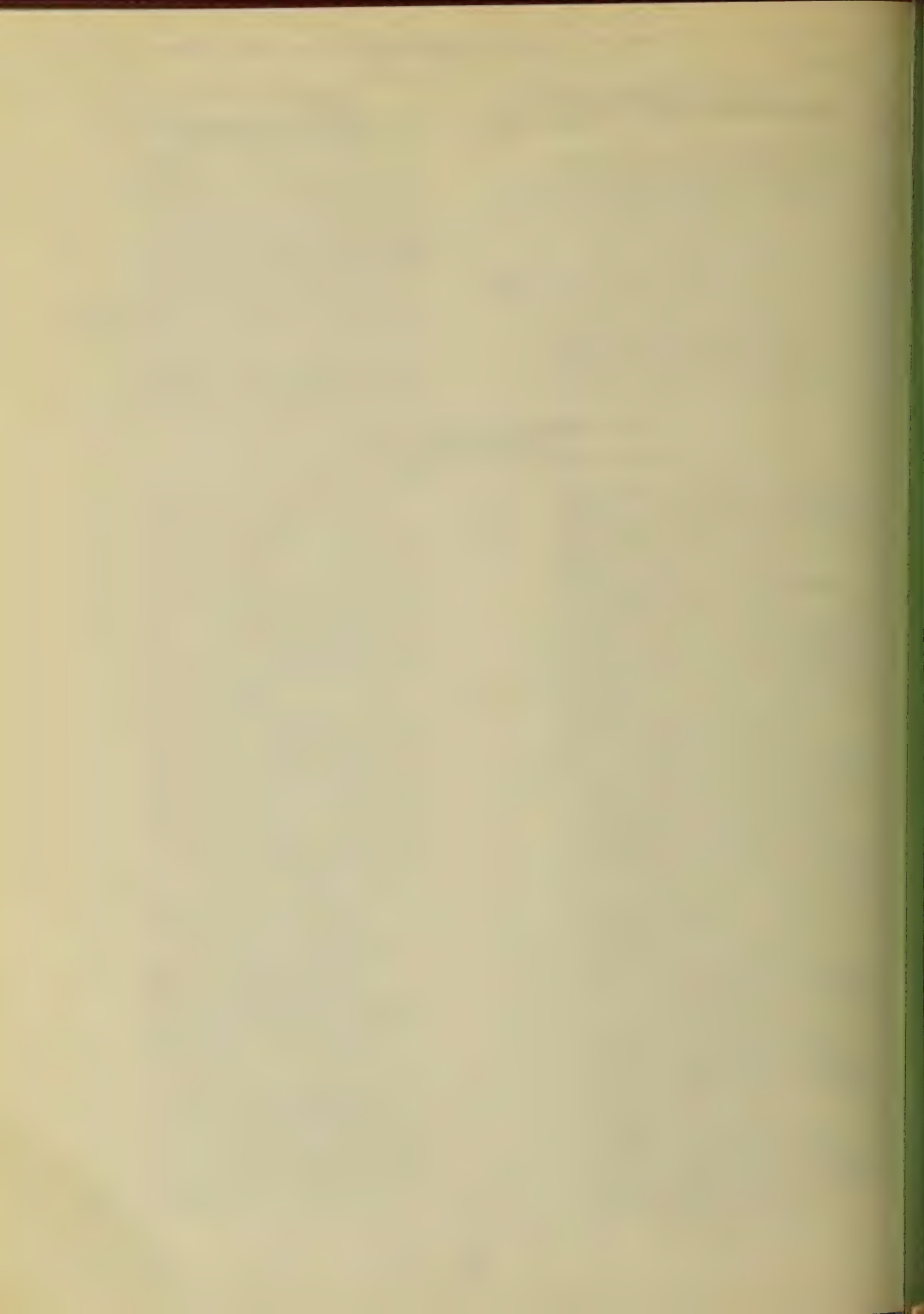
Includes publications received in the Library during the preceding month.

COCOA statistics 9(4), 36 p. Oct. 1966. 286.83 C64
CURRENT food additives legislation 96, 12 p. Aug. 31, 1966. 241.64 F732
FAO LIBRARY list of recent accessions, Aug. 1966, 59 p. 241 F7322
FARM management notes for Asia and the Far East 2(2), 39 p. July 1966. 281.8 F2228
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. National rice policies 1966. Food Agr. Organ. UN. FAO Comm. Policy Stud. 18, 153 p. 1966. 281.9 F733C
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirteenth session of the conference, 20 November—9 December 1965. Rome, 1966. 213 p. 389.9 F735R
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 16(8), 18 p. Aug. 1966. 280.9 F7323
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. REGIONAL OFF. FOR ASIA AND THE FAR EAST. Forestry newsletter of the Asia-Pacific Region (Period ended 31 August 1965). Sept. 23, 1965. 25 p. SD1.F6
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. STUDY GROUP ON JUTE, KENAF AND ALLIED FIBERS. Report of the second session to the Committee on Commodity Problems. Food Agr. Organ. UN. Comm. Comm. Probl. CCP 65/10, 24 p. May 6, 1965. 389.9 F7354Co
FORESTRY equipment notes A.45.66, 1 p.; A.46.66, 3 p.; A.47.66, 2 p.; A.48.66, 2 p.; A.49.66, 3 p. Jan./Mar., May 1966. 99.9 F732a
FORESTRY equipment notes B.39.66, 2 p.; B.40.66, 11 p. Jan. 1966. 58.9 F73
FORESTRY equipment notes D.40.66, 1 p.; D.41.66, 1 p. May 1966. 99.9 F732d
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Publications for sale. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/150, 6 p. Aug. 1, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixième session, Stockholm, 22—27 septembre 1966; cycle d'étude sur les aspects de l'utilisation des tracteurs dans l'exploitation forestière. II. [Sixth session, Stockholm, 22—27 September, 1966; symposium on aspects of the use of tractors in logging, II. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/173, 15 p. Aug. 5, 1966. 99.9 F73Fe

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixth session; Stockholm, People's House (Folkets Hus), 22—27 September 1966, study tour, 14—21 September 1966. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/168, 6 p. May 18, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixth session, Stockholm, 22—27 September 1966; symposium on aspects of the use of tractors in logging. I. Integration of the use of tractors in agriculture and forestry, with special reference to forestry requirements. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/174, 10 p. Aug. 9, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixth session, Stockholm, 22—27 September 1966; symposium on aspects of the use of tractors in logging. II. a. The forest tractor; technical and functional aspects of its design and employment. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/170, 3 p. July 4, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixth session, Stockholm, 22—27 September 1966; symposium on aspects of the use of tractors in logging. II. b. Use of tractors in logging operations in central European countries. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/172, 14 p. Aug. 17, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Sixth session, Stockholm, 22—27 September 1966; symposium on aspects of the use of tractors in logging. Polish experience in the use of small agricultural tractors in forestry. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/169, 15 p. July 25, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Symposium on aspects of the use of tractors in logging, Folkets Hus—Stockholm (Sweden) 26—27 September 1966. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/176, 3 p. Aug. 17, 1966. 99.9 F73Fe
JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Symposium on mechanical barkings of timber. Volume III. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162: 611 p. 1966. 99.9 F73Fe
Papers in English, French or Russian.

MONTHLY bulletin of agricultural economics
and statistics 15(9);56 p. Sept.1966.
251 F73Mb

TIMBER bulletin for Europe 19(2),75 p. 1966.
99.9 F73T
Production, trade and price statistics, Janu-
ary-June, 1965 and 1966.





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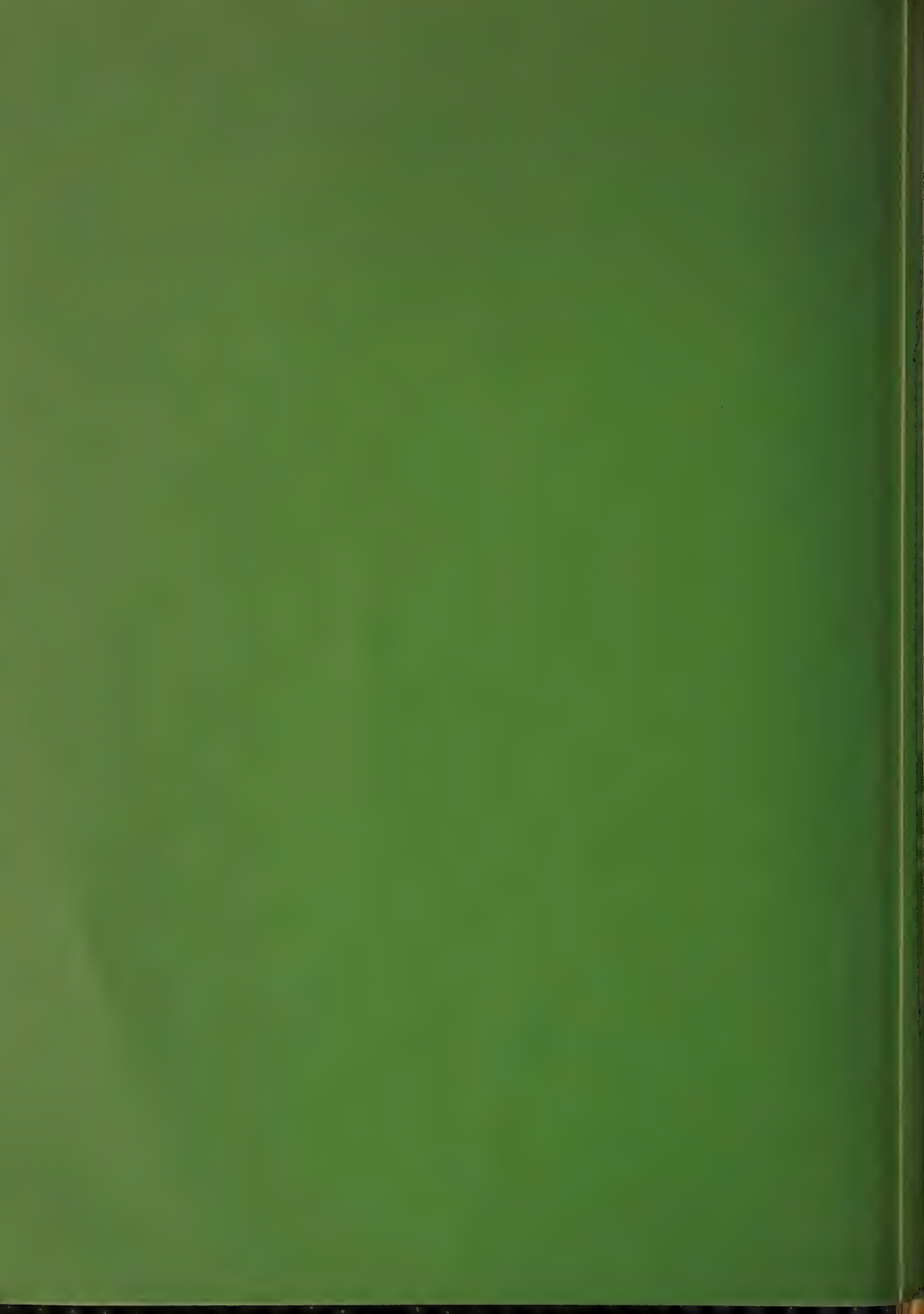
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CONTENTS

	Item		Item		Item
AGRICULTURAL ECONOMICS	26111	Consumption and Utilization	27689	Harvesting Equipment	29844
RURAL SOCIOLOGY	26111	Distribution, Marketing, and		Land Clearing Equipment	29869
General	26111	Transportation	27692	Processing Equipment Used on	29870
Agricultural Finance	26157	Grading, Inspection, Standardiza-		the Farm	
Credit	26177	tion, and Quality	27711	Repair, Maintenance, and Con-	29885
Income	26202	Packing and Packaging		struction Equipment	
Inflation		Prices, Price Control, and		Spraying and Dusting Equipment	29891
Insurance	26205	Rationing	27740	Vehicles	29897
Taxation	26217	Processing and Storage	27743	Farm Structures and Rural	
Agricultural Labor and Wages		Statistics	27757	Housing	29937
	26228	Oils and Oilseeds	27763	Animal Shelters and Animal	
Agriculture - Situation, Policies,		Poultry and Poultry Products		Service Buildings	29948
and Programs	26290	Rubber and Rubber Substitutes	27852	Farmhouses and Farmsteads	29969
Subsidies	26398	Seeds	27881	Greenhouses and Plant Service	
Cost and Standard of Living	26401	Sugar and Sirups	27910	Buildings	29972
Farm Management and Land		Tobacco	27940	Materials and Methods	29981
Economics	26402	Miscellaneous Products	27948	Storage Structures	29982
Bookkeeping and Records	26506			Walls and Fences	29990
Costs and Returns	26516	ANIMAL INDUSTRY	27969-27975	Farm Utilities	
Land Settlement and Colonization		Breeds and Breeding	27969	Electricity and Electrification	29990
	26568	Feeds and Feeding	27986	Heating, Lighting, and Radiation	29994
Land Tenure	26576	Veterinary Medicine	28033	Power Plants, Motors, and	
Land Utilization	26608	Miscellaneous	28226	Engines on the Farm	29995
Land Values and Valuation	26637		28240	Sewage and Waste Disposal	
Population	26643	Cattle	28240	Telephones	29996
Rural Social Organization	26649	Breeds and Breeding	28240	Water Supply	
Human Ecology	26656	Feeds and Feeding	28360		
Institutions	26665	Veterinary Medicine	28451	ENTOMOLOGY	29999-30858
Leadership	26721	Miscellaneous	28713	General Entomology	29999
Rural Organizations and		Dogs and Cats	28747	Arachnida, Myriapoda, etc.	
Movements	26725	Breeds and Breeding	28747		30030
Cooperative Organizations	26748	Feeds and Feeding	28751	Coleoptera	30051
Rural Social Psychology	26762	Veterinary Medicine	28752	Diptera	30095
Trade, Foreign and International	26770	Miscellaneous	28863	Culicidae	30128
AGRICULTURAL PRODUCTS:		Fur Animals - Pen Raised	28866	Drosophila	30134
PROCESSING, DISTRIBUTION,		Breeds and Breeding	28866	Hemiptera (Heteroptera and	
AND STATISTICS	26836-27968	Feeds and Feeding	28868	Homoptera)	30186
General	26836	Veterinary Medicine	28872	Hymenoptera	30218
Analysis and Composition	26857	Miscellaneous	28881	Lepidoptera	30243
Consumption and Utilization	26911	Horses and Mules	28885	Orthoptera	30283
Distribution, Marketing, and		Breeds and Breeding	28885	Small Orders	30314
Transportation	26923	Feeds and Feeding	28901	Taxonomic and Geographic	
Grading, Inspection, Standardiza-		Veterinary Medicine	28905	Entomology	30327
tion, and Quality	26945	Miscellaneous	28969	Arachnida, Myriapoda, etc.	30332
Packing and Packaging	26980	Laboratory Animals, Small	28982	Coleoptera	30386
Prices, Price Control, and		Breeds and Breeding	28982	Diptera	30448
Rationing	26987	Feeds and Feeding	28986	Hemiptera	30478
Processing and Storage	27004	Veterinary Medicine	28994	Hymenoptera	30502
Statistics	27050	Miscellaneous	28994	Lepidoptera	30527
Beverages and Condiments	27076	Poultry	29019	Orthoptera	30537
Dairy Products	27118	Breeds and Breeding	29021	Smaller Orders	30540
Analysis and Composition	27152	Feeds and Feeding	29081	Insect Control	30563
Consumption and Utilization	27188	Veterinary Medicine	29141	Pests of Animals and Man	30600
Distribution, Marketing, and		Miscellaneous	29322	Pests of Plants	30666
Transportation	27190	Rabbits	29343	Forest Pests	30681
Grading, Inspection, Standardiza-		Breeds and Breeding	29349	Pests of Field and Truck Crops	30699
tion, and Quality	27208	Feeds and Feeding	29350	Pests of Fruit and Nut Crops	
Packing and Packaging	27225	Veterinary Medicine	29366		30761
Prices, Price Control, and		Miscellaneous	29370	Pests of Ornamentals, Green-	
Rationing	27232	Sheep and Goats	29370	houses and Nurseries	30788
Processing and Storage	27269	Breeds and Breeding	29370	Pests of Stored Products and	
Feed and Forage Crops	27270	Feeds and Feeding	29410	Processed Commodities	30795
Fibers and Textiles	27311	Veterinary Medicine	29430	Apiculture and Apis mellifera	
Fruits, Vegetables, and Nuts	27365	Miscellaneous	29555	Sericulture and the Silkworm	30852
Analysis and Composition	27393	Swine	29577		
Consumption and Utilization	27422	Breeds and Breeding	29602	FOOD AND HUMAN NUTRITION	
Distribution, Marketing, and		Feeds and Feeding	29630	General	30859-30898
Transportation	27428	Veterinary Medicine	29748	Food Habits	30859
Grading, Inspection, Standardiza-		Miscellaneous		Nutritive and Vitamin Content	30882
tion, and Quality	27464	ENGINEERING	29756-29998		
Packing and Packaging	27478	General and Miscellaneous	29756	FORESTRY	30899-31351
Prices, Price Control, and		Farm Machines and Equipment	29778	General	30899
Rationing	27483	Animal Husbandry Equipment	29822	Education	30913
Processing and Storage	27484	Cultivation and Tillage Equipment	29833		
Statistics	27541	Fertilizing and Planting Equip-	29838		
Grain and Grain Products	27549	ment			
Honey and Beeswax	27635				
Livestock and Livestock Products	27639				
Analysis and Composition	27669				

	Item		Item		Item
Forest Resources	30916	Agronomy (Field Crops)	32255	Soil Chemistry and Mineralogy	33378
Forest Influences	30922	Cereals	32266	Soil Biology	33420
Forest Injuries and Protection	30932	Fiber Crops	32355	Soil-Plant-Animal Relationships	33438
Fire	30941	Forage Crops and Grasses	32362	Soil Genesis, Formation, Classification, and Mapping	33442
Forest Management	30946	Oil Crops	32446	Soil Management	33464
Forest Description and Mensuration	30985	Sugar Crops	32461	Soil Fertility	33470
Policies and Programs	31016	Tobacco	32475	Soil Tilth and Tillage	33586
Legislation and Taxation	31020	Horticultural Crops	32478	Drainage, Irrigation, Water Supply, and Flood Control	33604
Forest Products and Utilization	31025	Fruit-General	32489	Erosion and Erosion Control	33687
Lumbering and Logging	31043	Citrus and Subtropical Fruits	32504	Sanitation	33713
Sawmills	31072	Deciduous Fruits	32514	Materials for Soil Improvement	33714
Processing and Woodworking	31084	Small Fruits	32549	Chemical Fertilizers	33714
Seasoning, Conditioning, and Finishing	31092	Nuts	32577	Mineral Soil Amendments	33716
Wood Preservation and Damage	31101	Shade Trees and Ornamental Plants	32583	Fertilizer Technology and Statistics	33718
Lumber and Rough Products	31122	Vegetable and Truck Crops (Including Potatoes)	32643	Manures and Composts	33734
Construction	31134	Miscellaneous Economic Plants	32707	MISCELLANEOUS	33739-33933
Veneers, Plywood and Adhesives	31139	Plant Pathology and Protection	32738	General	33739
Furniture	31148	Field Crops	32748	Biography	33785
Containers	31149	Horticultural Crops	32756	History	33898
Pulp and Paper	31149	Bacterial Diseases	32773	Home Management	33899
Chemical Products and Distillates	31193	Field Crops	32778	International Relations	33902
Naval Stores	31209	Horticultural Crops	32786	Meteorology	33905
Other Forest Products	31213	Forest Trees	32798	Personnel	33910
Silviculture	31232	Fungus Diseases	32822	Research	33910
Regeneration and Breeding	31266	Field Crops	32822	Statistics	33928
Wood Technology	31303	Horticultural Crops	32870	NEW PERIODICALS AND SERIALS	p.234
PLANT SCIENCE	31352-33353	Forest Trees	32950	TRANSLATIONS	p.235
General	31352	Nematodes	32987	U. S. D. A. PUBLICATIONS	p.245
Morphology, Anatomy, and Cytology	31387	Field Crops	32998	STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p.249
Ecology	31525	Horticultural Crops	33009	STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p.253
Genetics	31563	Virus Diseases	33037	FAO PUBLICATIONS	p.255
Physiology and Biochemistry	31657	Field Crops	33040	PERSONAL INDEX (April)	p.257
Field Crops	31841	Horticultural Crops	33060	ORGANIZATIONAL INDEX	p.277
Cereals	31849	Forest Trees	33103	PERSONAL INDEX (MARCH)	p. March-1- March-20
Fiber Crops	31905	Physiological Diseases	33104		
Forage Crops and Grasses	31913	Injuries	33119		
Oil Crops	31957	Systematic and Geographic Botany	33149		
Sugar Crops	31968	Spermatophytes	33157		
Tobacco	31975	Pteridophytes	33214		
Horticultural Crops	31984	Eryophytes	33219		
Fruit Crops	31986	Algae	33234		
Nuts	32059	Fungi (Including Lichens)	33237		
Shade Trees and Ornamental Plants	32062	Weeds and Poisonous Plants	33276		
Vegetable and Truck Crops	32102	Biology	33277		
Miscellaneous Economic Plants	32169	Weed Control	33285		
Forest Trees	32215	Chemical Weed Control	33288		
		Cultural, Biological Weed Control	33353		
		SOILS AND FERTILIZERS	33354-33738		
		Soil Science	33354		
		Soil Physics	33356		

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 26111 ANTONIDES, R. J. Some guidelines for organizing economic development efforts in South Dakota along trade area lines. S. Dak. State Univ. Ext. Ext. Circ. 651, 27 p., map. Sept. 1966. 275.29 So85
- 26112 BECK, R. L. Curricula for the terminal B.S. degree in agricultural economics: a neglected area. J. Farm Econ. 48(5):1619-1622. Dec. 1966. 280.8 J822
- 26113 BIRMINGHAM, W. B., NEUSTADT, I., and OMABOE, E. N., ed. A study of contemporary Ghana. Volume one. The economy of Ghana. London, Allen and Unwin, 1966. 472 p., map. Ref. HC517.G6B5
Includes chapters on the agricultural economy.
- 26114 BRUGGER, O. The mountain economy. (Ge) Forderungsdienst 14(spec.no.2):29-37. May 1966. 19 F75
Austria.
- 26115 CHANG, T. T. Nung yeh ching chi hsueh [Agricultural economics]. Rev. ed. Taipei, Cheng Chung Shu Chu, 1966. 452 p. HD1411.C52
Bibliography, p.445-451.
- 26116 COATS, N. M. Appraisal of the current training of economists for positions in industries serving agriculture. J. Farm Econ. 48(5):1600-1603. Dec. 1966. 280.8 J822
- 26117 COCHRANE, W. W. Improvements needed in statistics for making policy and program decisions. J. Farm Econ. 48(5):1654-1666. Dec. 1966. 280.8 J822
Economic.
- 26118 COLOMBO, G. Aspects of the agricultural economy of Gargano in the past thirty years. (It) Bari. Univ. Fac. Agr. Ann. 19:485-508. 1965, pub. 1966. 105.4 B232
- 26119 COX, C. B. Evaluation of current training of economists for positions in industry. J. Farm Econ. 48(5):1604-1606. Dec. 1966. 280.8 J822
- 26120 DENMARK. UDENRIGSMINISTERIET. Economic survey of Denmark, 1966. Copenhagen, 1966. 111 p. 280.9 D41
Includes a chapter on agriculture.
- 26121 DOWDY, G. T., and GARNETT, L. W. Dictionary of agricultural economics and related terms. Tuskegee, Alabama, Tuskegee Institute, 1966. 90 p. S411.D6
- 26122 DUFEK, J. Application of the multiple and partial correlation methods in agricultural economics. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provodne Ekon. 1:29-40. 1966. HD1940.C95A1
English summary.
- 26123 EDWARDS, C. Theory and techniques for integrated area planning. J. Farm Econ. 48(5):1279-1289. Dec. 1966. 280.8 J822
Includes discussion by K. A. Fox.
- 26124 FISCHER, L. Adaptation problems in the field of agricultural economics in Canadian farming. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 44(2):432-443. 1966. 18 G31
English summary.
- 26125 GERMANY (FEDERAL REPUBLIC). BUNDESMINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Struktur- und Investitionspolitik, Soziale Sicherung und geistige Forderung der Landwirte [Structure and investment policy, social security, and intellectual development of the farmer]. Ger. (Fed. Repub., Bundesmin. Ernahr. Landwirt. Forsten. Landwirt.-Angew. Wiss. 124, 26 p. 1965? 18 G313E
- 26126 GRUNEBERG, G. Economic problems of the shaping of East Germany's modern intensive agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 445:52-65. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Einheit 5:632-640. May 1966.
Issued by CFSTI.
- 26127 HANSEN, C. P. A. The agricultural economy of South-West Africa. Agrekon 5(4):30-38, map. Oct. 1966. 281.8 Ag635
- 26128 HAREN, C. C. Measuring economic growth of the community or small area. Amer. Statist. Ass. Soc. Statist. Sect. Proc., 1966:401-407. Ref. 280.9 Am364
- 26129 HELLEINER, G. K. Typology in development theory: the land surplus economy (Nigeria). Food Res. Inst. Stud. 6(2):181-194. Ref. 1966. 389.8 F7382
- 26130 HEVESY, P. DE. The unification of the world; proposals of a diplomatist. Oxford, Pergamon Press, 1966. 356 p. HF1411.H4
With emphasis upon agricultural policy.
- 26131 HILLSON, L. H. Basic data on the economy of Malaysia. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-66-73, 30 p., map. Ref. Oct. 1966. 157.54 Ov2
Includes agriculture.
- 26132 HOCHERL, H. Agriculture within the framework of the economy. (Ge) Obst Gemuse 30 (11):9-10. Nov. 1966. 286.83 Ob72
Includes relation to the E.E.C.
- 26133 KARLIK, J. Some problems in the comparisons of the level of development of agriculture and industry. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):527-529. 1966. 509 B453
- 26134 KELLOGG, L. S. Training of economists for positions in industries serving agriculture. J. Farm Econ. 48(5):1595-1599. Dec. 1966. 280.8 J822
- 26135 LANDBRUKETS SENTRALFORBUND. Arbok for landbrukets økonomiske organisasjoner [Yearbook for the farm economic organizations], 1966. Volume 12. Oslo, 1966. 338 p. 280.29 L235
Economic conditions and cooperative organizations.
- 26136 LARSON, R. E. Agricultural economy stable and steady, outlook promising. Sci. Farmer [Penn. Sta.] 14(1):11. Fall 1966. 100 P381S
- 26137 LECHT, L. A. Goals, priorities, and dollars, the next decade. New York, Free Press, 1966. 365 p. HC106.5.L4
Contains a chapter on agriculture.
- 26138 LEROUX, F. M. 1961 thru 1965: the worst five year period for the American farmer in the history of modern American agriculture as compared to other administrative periods. Arlington, 1966. 63 p. HD1761.L4
- 26139 LOWE, R., and DEEKENS, A. M. A study of Research and Farming readers. N. C. State Univ. Dep. Agr. Inform. Rep. 6, 18 p., map. July 1965. S97.E2
Economic and educational data.
- 26140 MAGRABI, F. M., KING, M. P., and MEAD, M. J. Gathering economic and demographic data by mailed questionnaire. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):77-89. Aug. 1966. 100 M58S
- 26141 MAST, W. VAN DER. National and regional growth of population and work opportunity. (Du) Ned. Heidemaatsch. Tijdschr. 77(5):203-211. May 1966. 12 N282
- 26142 MCCASKER, A. W. Economic development in Papua and New Guinea. Australian Ter. 6(3):2-13. June 1966. 280.8 Au77
Agriculture included.

- 26143 MILANOVIC, P. The development of Yugoslav agriculture in the past ten years. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505:25-41, map. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
Translation from *Ekonomika Poljoprivrede*. 13(10):731-744. Oct. 1966.
Issued by CFSTI.
- 26144 RING, W. Problems of agrarian structure in the Netherlands. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15(17):539-558, map. Sept. 1965. 280.9 B643I
Includes income, wages, farm size, consolidation of holdings, and industrialization.
- 26145 RUBIN, S. J. The conscience of the rich nations; the Development Assistance Committee and the common aid effort. New York, Harper & Row, 1966. 164 p. HC60.R8
- 26146 SCHILLING, H. Recent aspects in the theoretical concepts of West German agricultural-economists. (Ge) Z. Agrarök. 9(5):259-267. Ref. 1966. 281.8 Z3
- 26147 SCHRODER-ETZDORF, M. Activity for comprehensive economic planning; the agriculture/industry unifying stations as platform for equalization. (Ge) Raiffeisen-Rundschau 18(2):43-44. Feb. 1966. 284.28 R132
- 26148 SCOFIELD, W. H. Analyzing the structure of agribusiness relations. J. Farm Econ. 48(5): 1379-1390. Ref. Dec. 1966. 280.8 J822
Discussion by I. Dubov, p.1400-1404.
- 26149 SIMPSON, G. D. Resources and facilities for providing needed statistics: The role of the Statistical Reporting Service. J. Farm Econ. 48(5):1674-1682. Dec. 1966. 280.8 J822
- 26150 SKELTON, S. Teamwork is a necessity in modern agri-business. Okla. Curr. Farm Econ. 39(4):74-75. Dec. 1966. 100 Ok4
- 26151 SOUTH PACIFIC COMMISSION. The South Pacific Commission; what it is, what it does. S. Pacific Bull., Fourth Q. 1966(sup.), 15 p., map. 280.8 So89
Economic programs in agriculture included.
- 26152 TAUBER, C. Resources and facilities for providing needed statistics: The role of the Bureau of the Census. J. Farm Econ. 48(5): 1667-1673. Dec. 1966. 280.8 J822
- 26153 TULLIS, J. F. The convergent trend between the agricultural sectors of the economies of the United States and the Union of Soviet Socialist Republics. J. Farm Econ. 48(5):1691-1696. Ref. Dec. 1966. 280.8 J822
- 26154 VIGGIANI, G. Aspects and problems of the past twenty years of southern agriculture. (It) Rass. Agr. Ital. 21(11):9-12. Nov. 1966. 281.8 R18
Land reform, the technical revolution in agriculture, reclamation and irrigation, and the rural exodus.
- 26155 WHITE, M. Farm and nonfarm economic trends closely related. Highlights Agr. Res. [Ala. Sta.] 13(4):15. Winter 1966. 100 ALIH
- 26156 WINEGARTEN, A. Economical organization which promoted British agriculture. (Fr) Ann. Agr. 6:83-86. 1966/1967. 17 An73
- AGRICULTURAL FINANCE**
- 26157 AXELSON, G. Agricultural economic results, 1964. (Sw) Västmanlands Lans Hushållnings-salsk. Tidskr. 4:17-18. 1965. 11 V44T
Farm finance.
- 26158 BASOVSKIL, YA., BERGELEV, L., and KONO-NENKO, I. How to calculate turnover of working capital? (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:44-45. Nov. 1966. 30.69 Uc4
- 26159 BELOYSENKO, G. F. Working capital needs continuous attention. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:41-43. Nov. 1966. 30.69 Uc4
- 26160 BOTTS, R. R. Farmers' handbook of financial calculations and physical measurements. U. S. D. A. Agr. Handbook 230, rev., 56 p. Nov. 1966. 1 Ag84Ah
- 26161 BRAKE, J. R. Impact of structural changes on capital and credit needs. J. Farm Econ. 48(5): 1536-1549. Dec. 1966. 280.8 J822
Includes discussion by L. S. Kellogg.
- 26162 BULAT, A. S. Analysis of the working capitals. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:45-46. Nov. 1966. 30.69 Uc4
- 26163 DORNER, B. Some problems of fixed asset-management. (Hu) Magyar Mezogazdasag 21(51):11. Dec. 21, 1966. 19 M27
In production cooperatives.
- 26164 GRATEHOUSE, D. R. A reinterview study showing correlation between income and expenditures based on the ability to anticipate income one year in advance. Amer. Statist. Ass. Bus. Econ. Statist. Sect. Proc. 1966:377-385. 251 Am322
- 26165 HAUBOLD, H., and STOPP, G. Revaluation results of basic assets in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 451:1-8. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
In East Germany.
Translation from *Die Deutsche Landwirtschaft*. 17(5):217-219. May 1966.
Issued by CFSTI.
- 26166 JELINEK, A. Enterprise funds under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497: 17-28. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Collective farming in Czechoslovakia.
Translation from *Ekonomika Zemedelstvi*. 8:216-220. Aug. 1966.
Issued by CFSTI.
- 26167 KERR, H. W. T. Methods of appraising new capital investment in agriculture. Nottingham. Univ. Dep. Agr. Econ. F. R. 161, 23 p. Sept. 1966. 281.9 N842F
- 26168 MITYUSHKIN, T. S. Fixing rates of collective farm working capital. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:37-41. Nov. 1966. 30.69 Uc4
- 26169 MURDESHWAR, A. P. Distribution of value of total assets among households resident in the rural sector of India. Reserve Bank India. Bull. 20(10):1179-1186. Oct. 1966. 284.9 R31B
- 26170 PESTRYAKOV, P. G. Intensification and the profit of production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:19-21. Oct. 1966. 30.69 Uc4
Role of fixed capital in financing collective farming.
- 26171 ROOSWINKEL, J. F. M. How much capital does the horticulturist need? (Du) Neth. Dir. Tuinbouw. Mededel. 29(9):397-398. Sept. 1966. 86 N384
- 26172 SANDOVAL, P. R. Financing agricultural development. Philippine Agr. 49(6/7):512-523. Ref. Nov./Dec. 1965. 25 P542
Economic development.
- 26173 SCAPACCINO, G. FEOGA and improvement of structures. (It) Rass. Agr. Ital. 21(11):23-25. Nov. 1966. 281.8 R18
Financing of the agricultural policy of the European Common Market by the European Agricultural Orientation and Guarantee Fund [Fondo Europeo Agricolo di Orientamento e Garanzia].
- 26174 SRADOVIC, B. Investments in fixed assets in agriculture, 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 494:42-49. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
Yugoslavia.
Translation from *Privredni Pregled*, Oct. 1, 1966:4.
Issued by CFSTI.

- 26175 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Sozialstatistik: Wirtschaftsrechnungen 1963/64; Italia [Social statistics: Family budgets, 1963/64; Italy]. Statist. Office Europe. Communities. Sozialstatist. Sonderreihe 4.413 p. 1966. HD7022.57
Text also in French.
Includes farm households and general expenditures for food.
- 26176 WATSON, F. H. Raising capital for the smaller farm; an example from the Pennines. Milk Prod. [London] 13(12):368-369. Dec. 1966. 280.38 M598
Obtaining grants under the Small Farm (Business Management) Scheme.
- Credit
- 26177 BANCO DO ESTADO DE SAO PAULO. Relatório da diretoria exercicio 1965 apresentado a assembleia geral ordinaria de 14 de abril de 1966 [Report of management, 1965 season, presented to the regular general assembly of April 14, 1966]. Sao Paulo, 1966. 40 p. 284.9 B2227
Contains a section on agricultural credit.
- 26178 BECKER, J. Agricultural credit and extension. (Ge) Agrarjahr 1966:52-56. 18 Ag85
- 26179 BHARGAVA, M. P. Financial aspects of co-operative farming. Indian Coop. Rev. 3(4): 1094-1104. July 1966. HD2951.15
Chiefly credit.
- 26180 BOND, G. E. Bank credit declines. R. I. Agr. 12(4):8. Oct. 1966. 100 R342
- 26181 BOON, C. The role of credit. (Fl) Raiffeisen Echo 12:165-170. Dec. 1966. 284.28 R12
In agriculture.
- 26182 BRENNER, M. H. Industry studies non-re-course loan proposals. Poultry Meat 3(8): A-26-A-27. Aug. 1966. 47.8 P8656
Turkey industry.
- 26183 CAMPEAO, M. Credit as indispensable means to the agricultural development of the various regions. (Por) Port. Junta Colon. Interna. Temas Econ.-Soc. Agr. Resumo Textos Inform. 42:45-53. June 1966. 281.9 P834
- 26184 FAGUNDES, S. A. Rural credit system and policy in Brazil. (Por) Arco-Iris 15(104):23-24. Oct. 1966. 280.28 Ar2
- 26185 FAURE, M. Agricultural credit installed at Maïne-Montparnasse. (Fr) Paysans 10(60):94-95. June/July 1966. 14 R323
- 26186 FEDERACION DE CAJAS DE CREDIT. Memoria [Report], 24th, 1965/1966. San Salvador, 1966. 50 p., map. 284.29 F312
Agricultural credit.
- 26187 FEDERACION DE CAJAS DE CREDITO (EL SALVADOR). Report of activities for the 1964/1965 season. (Sp) Credito Rural (ser. 2) 157:2-6. July 1965. 284.28 C863
- 26188 KRUSH, Z. A. Credit for collective farming and the own working capital. (Rus) Ucheb. Finansy Kolhoz. Sovkhoz. 10:29-30. Oct. 1966. 30.69 Uc4
- 26189 LAND AND AGRICULTURAL BANK OF SOUTHERN RHODESIA. Report for the year ended 31st December, 1965. Salisbury, 1966. 18 p. 284.29 L233
- 26190 LUTTRELL, C. B. Rising interest rates and agriculture. Fed. Reserve Bank St. Louis. Mon. Rev. 48(11):12-16. Nov. 1966. 284.8 F318a
- 26191 PATWARDHAN, V. S., and DHARMARAJ, M. S. Inter-state comparison of primary agricultural credit societies. Indian Coop. Rev. 3(4):1145-1157. July 1966. HD2951.15
- 26192 POLISHCHUK, S. A. Soil improvement credit for collective farms. (Rus) Uchet Finansy Kolhoz. Sovkhoz. 10:42-44. Oct. 1966. 30.69 Uc4
- 26193 RAZVI, S. A. H. Taccavi loans through land mortgage banks. Indian Coop. Rev. 3(4):1133-1142. July 1966. HD2951.15
- 26194 RENAUDAT, C. Sheep raising and agricultural credit. (Fr) Mouton 20(9):73-74. Sept. 1965. 45.8 M86
- 26195 RURAL BANK OF NEW SOUTH WALES. Annual report, 33d, 1966. Sydney, 1966. 25 p. 284.9 R88
- 26196 SRNSKY, B., and PELA, M. Interest and credit in the improved management system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488: 34-40. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Czechoslovakia.
Translation from Ekonomika Zemedelstvi 7:183-185. July 1966.
Issued by CFSTI.
- 26197 TABLANTE, N. B. The agricultural credit problem in the Philippines. Philippine Agr. 49(6/7):555-572. Ref. Nov./Dec. 1965. 25 P542
- 26198 TOURRETTE, R. Mutual credit banks in France and the National Confederation of Mutual Credit [Confederation Nationale du Credit Mutuel]. (Fr) Cooperation 36(9):25-32. Sept. 1966. 280.28 C7845
English summary, p. 6.
Agricultural credit included.
- 26199 VALLAT, J. Is Swiss agriculture over-indebted? (Ge) Agr. Romande (ser. B) 5(10):57-59. Oct. 1966. 17 Ag8
- 26200 WOLTER, R. H. Tight money continues. Doane's Agr. Rep. 30(2):36-38. Jan. 8, 1967. 281.8 D652
Credit.
- 26201 YULE, W. J. Farm credit in Canada. Feed Indus. Conf. Proc., 5th Annu. Conf.:27-31. 1965. 389.79 F325
- Income
- 26202 NEUKOMM, W. Income disparity between mountain and valley populations as well as between agricultural and non-agricultural activity in Switzerland. (Ge) Forderungsdienst 14(7):217-223. July 1966. 19 F75
- 26203 PETROVIC, M. Monetary revenues of rural households from farms and from artisan work in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 494:15-28. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
Translation from Ekonomika Poljoprivrede 7:529-539. July 1966.
Issued by CFSTI.
- 26204 SCHMITTNER, F. Income disparity between mountain and valley population as well as agricultural and non-agricultural activity in Austria. (Ge) Forderungsdienst 14(6):181-188. June 1966. 19 F75
- Insurance
- 26205 BECKERICH, A. Labor medicine in agriculture. (Fr) Agr. Prat. 130(9,1.e.10):21-25. Oct. 1966. 14 J82
Preventive medicine program added to social security.
- 26206 CHARVOLIN, M. Health-maternity-disability and life insurance of agricultural wage-earners. (Fr) Bull. Inform. Mutual. Agr. 142: 5034-5040. Dec. 1964. 284.68 B87
- 26207 DAMEMME, M. Old-age disability insurance and supplementary pensions for agricultural wage-earners. (Fr) Bull. Inform. Mutual. Agr. 142:5041-5045. Dec. 1964. 284.68 B87
- 26208 D'ANDIGNE, M. Health-maternity-disability insurance of farmers. (Fr) Bull. Inform. Mutual. Agr. 142:5046-5053. Dec. 1964. 284.68 B87
- 26209 DUSSDORF, R. A new cattle insurance for heavy damages. (Ge) Mitt. Deut. Landwirt.-Ges. 81(44):1638,1640. Nov. 3, 1966. 18 N39

- 26210 GRZYBOWSKI, G. Fire and multi-risk policies covering the farm. (Fr) Agr. Prat. 130 (9.i.e.10):36-37. Oct.1966. 14 J82
- 26211 LAUR, M. Old-age insurance of farmers. (Fr) Bull. Inform. Mutual. Agr. 142:5054-5065. Dec.1964. 284.68 B87
- 26212 MARMILLOU, M. Agricultural family allowances. (Fr) Bull. Inform. Mutual. Agr. 142:5066-5073. Dec.1964. 284.68 B87
- 26213 MIGRAINE, R. Today's mutuals. (Fr) Co-operation 36(9):33-37. Sept.1966. 280.28 C7845
English summary, p.6.
- 26214 STUTZER, D. Free farmer in social security; reality and Utopia. (Ge) Agrarjahr 1966:10-12. 18 Ag85
- 26215 VELCHEV, D. Crop insurance in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 497:1-3. Nov.29,1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Translation from Ikonomicheski Zhivot 13: 14. Oct.11,1966.
Issued by CFSTI.
- 26216 YEH, M. H., and WU, R. Y. Premium rate-making in an all risk crop insurance program. J. Farm Econ. 49(5):1580-1588. Dec.1966. 280.8 J822
- Taxation
- 26217 ANDBERG, H. Taxation of tractors. (Sw) Tidskr. Lantman Andelsfolk 13/14:316-317. July 1965. 20 T43
Finland.
- 26218 ARVIDSSON, H. Tax considerations in connection with purchase and change of tractors. (Sw) Lantmannen 76(26):20-22. Dec.25,1965. 11 L234
Depreciation in relation to income tax.
- 26219 CHRISTENSEN, R. A. Who pays the tax bill? Utah Farm Home Sci. 27(1):6-8,17. Mar.1966. 100 U1F
- 26220 CLEMENT, L. A. Condemnation of private property and the income tax. Nat. Wool Grower 57(1):25. (Cont.) Jan.1967. 45.8 N21N
Expropriation of farm property for public use.
- 26221 FORNARI, B. IGE and IVA taxes in the dairy industry. (It) Mondo Latte 20(10):783-788. Oct.1966. 44.8 M74
English summary.
Business turnover tax and added value tax.
- 26222 GOMIS, F. DE. Most general and urgent directions relative to the new provisions regulating the rural and livestock territorial contribution. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(3): 41-43. Mar.1966. 15 Sa5
Taxation.
- 26223 KOČI, J. Taxes and subsidies in the new management system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 488:15-28. Nov.7,1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Czechoslovakia.
Translation from Ekonomika Zemedelstvi 7:177-181. July 1966.
Issued by CFSTI.
- 26224 RADEK, S., KLECKA, M., and DUSEK, J. Fixed units and their effect on agricultural taxes. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 488: 29-33. Nov.7,1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Soil classes in Czechoslovakia.
Translation from Ekonomika Zemedelstvi 7:182-183. July 1966.
Issued by CFSTI.
- 26225 SCHROTER, W. The history of tobacco taxation in Germany. (Ge) Tabak-Zeitung 76(11): 10. Mar.18,1966. 286.89 Su2
- 26226 STEPHAN, F. The other side of the fruit growing regulations. (Ge) Pflanzenarzt 19(2): 13-14. Feb.1,1966. 464.9 P482
Tax in Austria.
- 26227 STREIT, E. The development of the agricultural income tax law since October 1965. (Ge) Recht Landwirt. 18(11):281-286. Nov.1966. 30.58 R24
- AGRICULTURAL LABOR AND WAGES
- 26228 ADAM, W. Relationship between the development of productive capacity and the labor situation. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):567-569. 1966. 509 B453
- 26229 ARNOLD, K. Cooperation between farm labor and industrial labor. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4): 531-534. 1966. 509 B453
- 26230 ATANASSOV, A. Tasks and problems in the education of specialist cadres for the socialist agriculture in Peoples Republic of Bulgaria. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):577-579. 1966. 509 B453
- 26231 BARANOV, A. A. Guaranteed wages for collective farmers. (Rus) Sadovodstvo 11:42-43. Nov.1966. 80 Sa13
Policies chiefly.
- 26232 BARTZ, H., GIRRULAT, F., and LORBER, K. H. Neue Qualität der Kaderarbeit in der Landwirtschaft [New quality of cadre operations in agriculture]. Berlin, Staatsverlag der Deutschen Demokratischen Republik, 1966. 216 p. S562.G3B3
- 26233 BECKER, E. Fluctuation of young specialists in agriculture, a contemporary problem. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):631-634. 1966. 509 B453
- 26234 BEGDZSUREN, and GOMBODOO, S. Calling upon agricultural artel general committees to manage properly the artel production. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121: 7-12. Nov.22,1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
Mongolia.
Translation from Unen, Jan.31,1966:2.
Issued by CFSTI.
- 26235 BENNE, R. Material interest and productive capacity in large scale strawberry breeding on the fruit growing area of Havel. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):623-625. 1966. 509 B453
- 26236 BOSWELL, G. S. Farm labor present and future. West. Grower Shipper 37(12):15-16,24. Dec.1966. 280.38 W52
- 26237 CHEPELYUK, V. N. How to calculate costs of production? (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:33-35. Nov.1966. 30.69 Uc4
Labor.
- 26238 DAVIES, C. S. L. Slavery and Protector Somerset; the Vagrancy Act of 1547. Econ. Hist. Rev. (ser.2)19(3):533-549. Ref. Dec.1966. 277.8 Ec7
- 26239 EDELHOFF, H. Manpower situation in West German agriculture. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4): 571-572. 1966. 509 B453
- 26240 FEHER, K. Cash payment of wages in animal husbandry. (Hu) Magyar Mezogazdasag 21(51): 18-19. Dec.21,1966. 19 M27
- 26241 GEISSENDORFER, K. The relations between agriculture and the contract operator. (Fl) Landbouw-Serv 1:34. Jan./Feb.1966. 13 L234
- 26242 GOGUEL, C. Results of recent inquiries on French holidays. (Fr) France. Inst. Nat. Statist. Etudes Econ. Etudes Conjoncture 21(5): 1-59.map. May 1966. 280.8 F84
Includes rural figures.
- 26243 GUSSEK, K. D. Foundations and forms of labor organization on socialist farms in the DDR. (Ge) Z. Agrarokon. 9(3):124-135. Ref. 1966. 281.8 Z3
- 26244 HANKE, H. To the problem of off-time conditions on countryside. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4): 653-655. 1966. 509 B453

- 26245 HOLZBERGER, R. Relationship between the material interest, the type of organization and the systematic development of labor and their earned income. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):611-613. 1966. 509 B453
- 26246 HORVATH, E. Some problems of the labor work management in collective farms. (Cz) Pol'nohospodarstvo 12(11):855-887. Ref. 1966. 19.5 P752
English summary.
- 26247 KAFAROV, M. A. Introducing guaranteed wages. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:32. Oct. 1966. 30.69 Uc4
- 26248 KALCHEV, K. The structure of labor and its utilization in the Peoples Republic of Bulgaria. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):619-621. 1966. 509 B453
- 26249 KEAST, J. D. Few farms under new wage law. Doane's Agr. Rep. 29(35):14-15. Dec. 8, 1966. 281.8 D652
Wage-Hour Law amendments, 1966.
- 26250 KISS, A. The situation of agricultural labor in Hungary with a view on rural youth. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):553-555. 1966. 509 B453
- 26251 KNEBEL, S. M. Current developments in farm labor legislation. J. Farm Econ. 48(5):1131-1136. Ref. Dec. 1966. 280.8 J822
- 26252 KONDRAT'YEV, K. Recommendations on wages in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 140, 29 p. Oct. 26, 1966. (JPRS 38,320; TT 66-34746)
173 J663Tou
Translation from Ekonomicheskaya Gazeta 34:21-28. Aug. 1966.
CFSTI: \$2.00.
- 26253 KOTSYUBA, T. Suggestions for payment of kolkhoz labor and the draft kolkhoz regulations. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:25-30. Nov. 14, 1966. (JPRS 38,608; TT 66-35033) 173 J663Tou
In the U.S.S.R.
Translation from Ekonomika Sovetskoy Ukrainy. 8:59-62. Aug. 1966.
Issued by CFSTI.
- 26254 KRAUSS, E. How far is a deduction of labor units permissible as a disciplinary measure? (Ge) Deut. Landwirt. 17(10):504-505. Oct. 1966. 18 D4822
- 26255 KUBESA, M. The education of leading cadres in the Peoples Republic of Czechoslovakia. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):561-582. 1966. 509 B453
In agriculture.
- 26256 KURIAN, P. K. Bonus. Planters' Chron. 61 (20):432-446. Ref. Oct. 15, 1966. 22 P693
India.
- 26257 KUWESCHINOW, I. S. Efficiency of labor in the socialist agriculture of the USSR. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):549-552. 1966. 509 B453
- 26258 KYLE, L. R. Hours of labor used by months on farms of Michigan Telfarm cooperators, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 54, 6 p. July 1966. 281.9 M5642
Todays Electronic Farm Records for Management Education.
- 26259 LANGLOIS, F. Agricultural wage earners. (Fr) Paysans 10(60):54-63. June/July 1966. 14 R323
- 26260 LEDL, C., and MACH, J. The problem of manpower per unit of area in agriculture. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):539-547. 1966. 509 B453
- 26261 LUDKE, A. Labor problems in the Agricultural Producers' Co-operative Mehrow, District Bernau, especially taking into consideration the development of manpower in view of further specialization and concentration of production. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):603-605. 1966. 509 B453
- 26262 MEDVEDEV, I. V. Guaranteed wages and the credit. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:31. Oct. 1966. 30.69 Uc4
- 26263 MEL'NIKOV, I. Socialist competition a creative force. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:20-24. Nov. 14, 1966. (JPRS 38,608; TT 66-35033) 173 J663Tou
Contests for rural labor in the U.S.S.R.
Translation from Sel'skaya Zhizn', Oct. 1, 1966:2.
Issued by CFSTI.
- 26264 MEUER, A. Prediction of labor demand in the agriculture of the German Democratic Republic. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):563-566. 1966. 509 B453
- 26265 MITCHELTREE, W. A. Supervision and management of farm labor. J. Farm Econ. 48(5):1146-1149. Dec. 1966. 280.8 J822
- 26266 NATIONAL COMMISSION ON TECHNOLOGY, AUTOMATION, AND ECONOMIC PROGRESS. Technology and the American economy. Report. Volume 1. Washington, 1966. 115 p.
HC106.5.A5
Includes data on farm labor.
- 26267 PARSHENKOV, S. I. From working teams to brigades. (Rus) Sakharn. Svekla 12:5-7. Dec. 1966. 66.8 Su393
Work management in sugar beet growing.
- 26268 POOLE, R. Wage and Hour comes to the cow country. IL N. Mex. Stockman 31(12):22-23. Dec. 1966. 49 N462
Livestock industry.
- 26269 POPOVICI, V. V. Raising material incentives in agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 49:26-21. Nov. 21, 1966. (JPRS 38,699; TT 66-35123)
173 J663Sst
Rumania.
Translation from Probleme Economice 9: 85-97. Sept. 1966.
Issued by CFSTI.
- 26270 POPOV, T. Some problems of the distribution of labor in the individual sectors of the economy of the Bulgarian Peoples Republic. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):557-561. 1966. 509 B453
Includes agriculture.
- 26271 POSVAR, Z. A contribution to the study of wages for thinning and hoeing of sugar beet stands. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provazne Ekon. 1:3-11. 1966. HD1940.C95A1
French and German summaries.
- 26272 PRADERIE, M. Professional mobility in France between 1959 and 1964. (Fr) France. Inst. Nat. Statist. Etudes Econ. Etudes Conjoncture 21(10), 166 p. Oct. 1966. 280.8 F84
Agricultural labor included.
- 26273 SCHMID, L. Preliminary report of migratory labor study in Guatemala. Wis. Univ. Land Tenure Cent. Newslett. 24:33-48. Aug./Oct. 1966. 282.9 W753
- 26274 SCHMIDT, W. The social distribution of work and the development of labor structure in the socialist agriculture of the German Democratic Republic. (Ge) Berlin, Humboldt- Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):509-525. 1966. 509 B453
- 26275 SCHURICHT, R. Chronological management of work in the fruit production. (Ge) Obstbau [Berlin] 6(8):124-126. Aug. 1966. 80 Ob79
- 26276 SCHURICHT, R. Time division of operations in fruit culture. (Ge) Obstbau [Berlin] 6(7):103-105. July 1966. 80 Ob79
- 26277 SEKULARAC, B. Essential factors in the work of farming cooperatives in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 49:31-41. Nov. 23, 1966. (JPRS 38,775; TT 66-35199)
173 J663Sst
Labor management.
Translation from Privredni Pregled, Oct. 24, 1966:1-3.
Issued by CFSTI.

- 26278 SHAVRIN, N. P., and VODOVSKII, N. I. Experiment with piecework wages in tobacco growing. (Rus) *Tabak* 4:40-42. 1966. 69.8 T112
- 26279 SLABY, A. Economical education of agricultural specialist cadres in the Czechoslovakian Peoples Republic. (Ge) Berlin, Humboldt-Universität, Z. Math. Naturwiss., Reihe 15(4):573-576. 1966. 509 B453
- 26280 SOUTHERN, J. H. National agricultural labor policy considerations. *J. Farm Econ.* 48(5):1121-1130. Dec. 1966. 280.8 J822
- 26281 STERN, P. Effects of labor qualification on the results of production in cattle keeping at the State Farm of Albertshof. (Ge) Berlin, Humboldt-Universität, Z. Math. Naturwiss., Reihe 15(4):607-610. 1966. 509 B453
- 26282 U. S. MANPOWER ADMIN. Manpower research projects through June 30, 1966. Washington, 1966. 129 p. 158.31 M313
Includes agricultural labor and migrant farm labor.
- 26283 VELEBA, V. Remuneration under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 489:1-11. Nov. 10, 1966. (JPRS 38,588; TT 66-35013) 173 J663Ste
Czechoslovakia.
Translation from *Ekonomika Zemedelstvi* 8:208-211. Aug. 1966.
Issued by CFSTI.
- 26284 VOL'MAN, I. S. Accounting of the piecework-premium wages. (Rus) *Uchet Finansy Kolchoz, Sovkhoz*. 11:35-36. Nov. 1966. 30.69 Uc4
- 26285 WENNER, H. L. Long and short materials handling chains in forage production. (Ge) *Hochschulgung Landwirt. Fak. Univ. Bonn. Vortr.* 19:113-147. 1965. 27 H652
Mechanization and labor.
- 26286 YEMEL'YANOV, A. Improvements needed in system of remuneration of labor in the kolchozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 136:14-28. Oct. 18, 1966. (JPRS 38,217; TT 66-34644) 173 J663Tou
Translation from *Voprosy Ekonomiki*, Mar. 1966:63-74.
Issued by CFSTI.
- 26287 ZAKLADNOI, V. S. New material incentives for state farm mechanics. (Rus) *Uchet Finansy Kolchoz, Sovkhoz*. 10:44-45. Oct. 1966. 30.69 Uc4
- 26288 ZAKLADNOY, V. Material incentives and increasing the efficiency of agricultural production. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:1-11. Nov. 14, 1966. (JPRS 38,608; TT 66-35033) 173 J663Tou
U.S.S.R.
Translation from *Sotsialisticheskii Trud* 8:93-100. Aug. 1966.
Issued by CFSTI.
- 26289 ZETTL, H. Questions of labor replacement in socialist agriculture. (Ge) Berlin, Humboldt-Universität, Z. Math. Naturwiss., Reihe 15(4):587-588. 1966. 509 B453
Apprentice training.
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 26290 AKADEMIYA NAUK SSSR. BIBLIOTEKA. Bibliografiya izdaniy Akademii Nauk SSSR. *Ezhgodnik. Tom IX. Izdaniya, vyshedshie iz pechaty v 1964 g.* Bibliography of publications of the Academy of Sciences of the USSR. A year-book. Vol. IX. Publications for the year 1964. Leningrad, 1966. 1005 p. 241.5 AK12
Includes agricultural publications.
- 26291 AKTAN, R. Turkish agricultural problems. *Mediterranea* 12:266-276. Oct./Dec. 1966. 281.8 M462
- 26292 BALLARD, J. C., and others. Resource development on the Bolivian Altiplano. *Utah Farm Home Sci.* 27(2):72-77. 1964. June 1966. 100 U1f
D. H. Matthews, D. R. McAllister, and N. K. Roberts, joint authors.
- 26293 BAREK, J. Organization under new management system in agriculture in Czechoslovakia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 491:1-15. Nov. 15, 1966. (JPRS 38,644; TT 66-35069) 173 J663Ste
Translation from *Ekonomika Zemedelstvi* 9:237-240. Sept. 1966.
Issued by CFSTI.
- 26294 BAUER, G. 20th anniversary of agrarian policies of the German Socialist Union Party; a example for all Germany. (Ge) *Obstbau [Berlin]* 6(3):33-34. Mar. 1966. 80 Ob79
- 26295 BELOTTI, M. L. The development of the Italian South. *Land Econ.* 42(4):495-502. Nov. 1966. 282.8 J82
- 26296 BHAGWATI, J. The economics of underdeveloped countries. London, Weidenfeld, 1966. 254 p. Ref., p. 245-247. (World University Library) HC59.7.B5
Includes a chapter on agricultural policy.
- 26297 BISSON, G. The EEC and Italian and Vicenza agriculture. (It) *Vicenza Econ.* 21(10):647-657. (Cont.) Oct. 1966. 287 V662
- 26298 BOHLE, H. E.E.C. 1965 agricultural policy: from euphoria to depression. (Ge) *Agrarjahr* 1966:70-72. 18 Ag85
- 26299 BONN. UNIVERSITÄT. LANDWIRTSCHAFTLICHE FAKULTÄT. Vorträge der 19. Hochschulgung am 5. und 6. Oktober 1965 in Münster i. W. [Addresses of the 17th University session, October 5 and 6, 1965 in Münster i. W.], edited by F. Gerl and J. Linscheid. *Hochschulgung Landwirt. Fak. Univ. Bonn. Vortr.* 19, 202 p. Ref. 1965. 27 H652
- 26300 BOTTUM, J. C. Changing functions of outlook in the U. S. *J. Farm Econ.* 48(5):1154-1159. Dec. 1966. 280.8 J822
- 26301 BOYCHEV, Y. The intensification of agricultural production—a basic task of agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:46-61. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Bulgaria.
Translation from *Novo Vreme* 9:19-29. Sept. 1966.
Issued by CFSTI.
- 26302 BRONZI, P. Agricultural development: characteristics and planning. *Mediterranea* 12:256-265. Ref. Oct./Dec. 1966. 281.8 M462
- 26303 BURIAN, J. Scientific, technological and economic bases for the management of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:1-15. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from *Ekonomika Zemedelstvi* 4:77-80. Apr. 1966.
Issued by CFSTI.
- 26304 BUTTNER, W. Development of Danish agriculture. (Ge) *Z. Agrarök. 9(5):267-274. Ref.* 1966. 281.8 Z3
- 26305 BUTZ, D. E. Needs of the agribusiness community. *J. Farm Econ.* 48(5):1175-1178. Dec. 1966. 280.8 J822
In outlook and research.
- 26306 BUTZ, E. L. Learning to live with big government. *Nat. Inst. Anim. Agr. Proc.* 16:106-112. 1966. 49.9 N219
In agriculture.
- 26307 CUSTER COUNTY (NEBRASKA) RURAL AREA DEVELOPMENT COMMITTEE. Custer County overall economic development plan 1964-1965. *Nebr. Univ. Coll. Agr. Home Econ. Dep. Agr. Econ. Rep.* 44, 110 p., map. 1965. 281.9 N27
J. Timmons, joint author.
Sponsored by cooperative agreement between University of Nebraska Agricultural Extension Service and Federal Extension Service of the U. S. Department of Agriculture.
- 26308 DALY, R. F. Current questions on national agricultural outlook. *J. Farm Econ.* 48(5):1168-1174. Dec. 1966. 280.8 J822

- 26309 DECKER, F. N. Our farming business; some background and present needs. Rev. ed. Syracuse, 1966. 54 p. In his Collection of papers, 1923-1966. SF201.D4
- 26310 DUONG, T. Some agricultural-production leadership experiences of Vinh Linh under conditions of bitter fighting. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam 9:98-107, Nov. 16, 1966. (JPRS 38,660; TT 66-35085) 173 J663Th
Translation from Hoc Tap, Sept. 1966:84-92. Issued by CFSTI.
- 26311 EDGAR, G. Australian agriculture in the post-war era; the 1966 Farrer Memorial Oration, a summary. Agr. Gaz. New S. Wales 77(10): 583-588. Oct. 1966. 23 N472
Includes biography of author.
- 26312 FENOGLIO, P. A. The second Green Plan. (It) Nuovo Prog. Vet. 21(15/16):719-720, 722, 724, 726. Aug. 15/31, 1966. 41.8 P942
- 26313 FIOCCHI, A. Agriculture faced with the situation of the European Common Market. (It) Modena 72(9):20-22, 44-45. Oct. 1966. 280.9 M722
- 26314 FORSEN, E. Italian farmers have their problems too. (Sw) Tidskr. Lantman. Anderselsk 23/24:549. Dec. 15, 1965. 20 T43
- 26315 GIOSAN, N. Agriculture under the Five-year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488: 45-62. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Rumania.
Translation from Lupta de Clasa 9:15-29. Sept. 1966.
Issued by CFSTI.
- 26316 GROIER, O. Mountain farmer promotion. (Ge) Forderungsdienst 14(spec.no.2):44-49. May 1966. 19 F75
Austria.
- 26317 GROSS, K. The Brussels "agricultural package." (Ge) Mitt. Deut. Landwirt.-Ges. 31(41): 1525-1526, 1534. Oct. 13, 1966. 18 N39
- 26318 GULYAS, P. Notes on the Finnish agriculture. (Hu) Magyar Mezőgazdaság 21(49):22-23. Dec. 7, 1966. 19 M27
- 26319 HAUSMANN, F. B. Nothing is achieved with optimism alone. (Ge) Raiffeisen-Rundschau 17(12):455. Dec. 1965. 284.28 R132
Includes discussion of the Government's agricultural program.
- 26320 HEINRICH, R., and MATZ, W. Productive power and production conditions and their mutual relations in the comprehensive building up of socialism on the land in the new sight. (Ge) Z. Agrarök. 9(5):230-238. Ref. 1966. 281.8 Z3
- 26321 HENDRIX, W. E. Agricultural development lessons from the experiences of newly developing nations. Agr. Situation India 21(4):189-192. July 1966. 281.9 In23
Outlook for Indian agriculture.
- 26322 HINRICHSSEN, J. K. Study trip of the Agricultural Faculty to southern France. (Ge) Giesener Hochschulbl. 13(1):7-9. Feb. 15, 1966. 275.8 G36
- 26323 HOANG, A. Concentrating on effectively leading the campaign to "improve the management of cooperatives, improve technology, and develop agricultural production in a comprehensive, vigorous and stable way." U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam 10:9-22. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:7-18. Oct. 1966.
Issued by CFSTI.
- 26324 HOCHERL, H. German agriculture in the EEC. (Ge) Wirtschaftsdienst 46(11):597-602. Nov. 1966. 280.8 W74
Text of an interview.
- 26325 HORRELL, E. Background on Oregon's agriculture. Oreg. State Univ. Ext. Circ. 683, rev., 8 p.-folder. Oct. 1966. 275.29 Or32C
- 26326 HUDSON, S. C., and FURNISS, I. F. Uses of outlook in Canadian agriculture. J. Farm Econ. 48(5):1160-1167. Dec. 1966. 280.8 J822
- 26327 HUTTEBRAUKER, R. German agriculture in transition. (Ge) Hochschultag Landwirt. Fak. Univ. Bonn. Vortr. 19:29-49. 1965. 27 H652
- 26328 INFORMATION from the 1965 Korean year-book. 361 p. (JPRS 35,146; TT 66-31583) 173 J663In
Agriculture included.
Translations of selected portions of Choson Chungang Nyongam.
CFSTI: \$7.00.
- 26329 JAQUEMET, A. Swiss agriculture and Europe. (Fr) Ann. Agr. 6:13-18. 1966/1967. 17 An7
Policies and its relations with European Common Market.
- 26330 JOHANSEN, J. The Fyn island realm in the modern society. (Da) Nord. Lantbruksek. Tidskr. 16(3):110-116. 1966. 281.8 N75
Includes agriculture.
- 26331 JOHN, A. U.S.A.: No agrarian policy doctrines. (Ge) Raiffeisen-Rundschau 17(12):456-458, 460. Dec. 1965. 284.28 R132
- 26332 KASHIWA, S. Nogyo mondai no seishii ninshiki; shin Nihon nogyo no miraizo [A correct understanding of agricultural problems; outlook for the new Japan agriculture]. Osaka, Fumin Kyokai, 1966. 219 p. HD2092.K3
- 26333 KEATON, C. R. Sharp gains seen for Yugoslav farm output this year. Foreign Agr. Incl. Foreign Crops Markets 4(50):12. Dec. 12, 1966. A281.9 F76Fo
- 26334 KLAUS, J. Agriculture and forestry are an indispensable part of the Austrian economy. (Ge) Agr. Rundsch. 1:1-3. Feb. 1966. 280.8 Ag82
- 26335 KOSTADINOV, G. The decisive condition for fulfilling the basic tasks in agriculture during the fifth Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 496:1-11. Nov. 28, 1966. (JPRS 38,816; TT 66-35240) 173 J663Ste
Bulgaria.
Translation from Planovo Stopanstvo i Statistika 8:42-52. Sept. 1966.
Issued by CFSTI.
- 26336 KRASNITZKY, H. Proper accounting—and still a deficit? (Ge) Mitt. Deut. Landwirt.-Ges. 31(43):1606, 1608, 1610, 1612. Oct. 27, 1966. 18 N39
Factors aside from price and yield affecting gross productivity in national accounts.
- 26337 KREIKEN-PAPE, F. A. L. Agriculture in Turkey. (Du) Ned. Heidemaatsch. Tijdschr. 77 (7/8):269-281. July/Aug. 1966. 12 N282
- 26338 KROHN, H. Agricultural policy in mosaic. (Ge) Übersicht 17(8):609-613. Aug. 13, 1966. 18 Ub3
- 26339 KUYLENSTJERNA, G. Swedish agriculture in the greater market. (Sw) SL-kontakt 2:31-33. 1966. 11 Sv285
Chiefly in relation to the European Economic Community.
- 26340 LECERF, J. The world future of agriculture. (Fr) Agr. Prat. 130(9,i.e.10):10-12. Oct. 1966. 14 J82
- 26341 LOCKWOOD, S. B. Nigeria; a guide to official publications. Washington, General Reference and Bibliography Division, Reference Department, Library of Congress, 1966. 166 p. Z3553.N5U5
Includes references to agriculture for which the index should be consulted.
- 26342 MANSOLT, S. L. Present problems of agricultural policy in Europe and the world. (Da) Tolvmåndsbladet 38(1):10-14. Jan. 1966. 11 T58
- 26343 MARTINSTETTER, H. Frontiers of agricultural policy. (Ge) Germany. Bundesmin. Ernährung. Landwirt. Forsten. Ber. Landwirt. (n.s.) 44(3):457-468. Ref. 1966. 18 G31
Germany.

- 26344 MAULIT, D. A. Agricultural policy and farmer's freedom—its quantitative aspect and relations. Philippines, Nat. Econ. Coun. Statist. Reporter 10(3):9-15. July/Sept. 1966. 273 N21S
- 26345 MAYOUX, J. The common agricultural policy and the construction of Europe. (Fr) Rev. Econ. Franco-Suisse 4:28-33. 1966. 287 Sw6
- 26346 MCMILLEN, W. United States agriculture—today and tomorrow. II. Seed World 99(7):14-15. Nov. 11, 1966. 61.8 Se52
- 26347 MESTEK, K. Modernization of Czechoslovak agriculture. Czech. Foreign Trade 6(10):3-6. Oct. 1966. 286.8 C99
- 26348 MOLLER, C. K. The debate on the Treaty of Rome. (Da) Tølmandsbladet 38(10):516-517. Oct. 1966. 11 T58
Factors to be considered in Denmark's entering the European Common Market.
- 26349 MORLEY, F. H. W. The agricultural resources of Australia. Roy. Australian Chem. Inst. Proc. 33(10):252-258. Oct. 1966. 385 Au72
Includes discussion.
- 26350 MUELLER, D., and BORN, K. Problems of the complex 1967 agricultural plan. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 505:19-24. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
Translation from Die Deutsche Landwirtschaft 11:513-516. Nov. 1966.
Issued by CFSTI.
- 26351 NGO, D. D. Several experiences in Thai Binh in supervising the carrying out of the new stage of the campaign to improve the management of cooperatives, improve technology and in developing agricultural production. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:23-32. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:19-25, 34. Oct. 1966.
Issued by CFSTI.
- 26352 NGO, T. Thanh Hoa emulates in production and combat. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:44-52. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Includes productive capacity in agriculture. Translation from Hoc Tap 10:35-41, 57. Oct. 1966.
Issued by CFSTI.
- 26353 NOORT, P. C. VAN DEN. Productivity measurement and supply analysis in agriculture. Neth. J. Agr. Sci. 14(4):255-262. Ref. Nov. 1966. 12 N3892
- 26354 NORRIS, W. K. Legislative horizons for California agriculture. West. Grower Shipper 37 (12):25-26. Dec. 1966. 280.38 W52
- 26355 NORTH-Korean central yearbook, 1964. 247 p. (JPRS 35,218; TT 66-31655) 173 J663In
Agriculture included.
Translation from selected portions of Choson Chungang Nyongam.
CFSTI: \$6.00.
- 26356 NORTHERN NIGERIA DEVELOPMENT CORPORATION. Tenth annual report, 1964/65. Kaduna, 1965. 60 p. 280.9 N565
Agricultural projects included.
- 26357 PARSONS, K. H. Institutional aspects of agricultural development policy. J. Farm Econ. 48 (5):1185-1194. Dec. 1966. 280.8 J822
Discussion by D. D. Caton, p.1202-1204.
- 26358 PARTL, A. Mountain farmers and integration. (Ge) Forderungsdienst 14(spec.no.2):4-7. May 1966. 19 F75
Austrian farmers and the EEC.
- 26359 PENKOV, D. The new system of management in agriculture and the Five-year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 494:89-91. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
Bulgaria.
Translation from Trud, Oct. 4, 1966:2.
Issued by CFSTI.
- 26360 PENNSYLVANIA. STATE UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1967 farm business outlook. Penn. State Univ. Coop. Ext. Work Agr. Home Econ. Farm Econ., Dec. 1966. 8 p. 275.28 P38
- 26361 PHILLIPS, J. Certain criteria for application in the study of agricultural, forestry and related development of the Tugela Basin and its influent surroundings; first special report, August 1966. Pietermaritzburg, 1966. 234 p., map. S471.N3P5
Bibliography, p.226-234.
- 26362 PIKE, C. E. Korea today: both agriculture and industry are expanding. Foreign Agr. Incl. Foreign Crops Markets 5(4):8-9. Jan. 23, 1967. A281.9 F76Fo
- 26363 PROWSE, R. B. The economic cost of the drought. Milk Board J. 17(11):9, 11. Nov. 1966. 44.8 M5934
Agricultural losses.
- 26364 QUEBEC (PROVINCE) DEPT. OF INDUSTRY AND COMMERCE. OFF. OF ECONOMIC RESEARCH. Atlas du Quebec; l'agriculture [Atlas of Quebec: agriculture]. Quebec, 1966? 47 maps in cover. G1046.J1Q4
- 26365 RECENT developments in the world food and agriculture situation. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(11):1-8. Nov. 1966. 251 F73Mb
- 26366 RHODESIA. SECRETARY FOR INTERNAL AFFAIRS. Report for the year 1965. Salisbury, 1966. 55 p. 280.9 R343
Agricultural policy included.
- 26367 RUSHDI, A. A. Impact of development programme in agriculture. Com. Indus. 10(8):24-26. (Cont.) Oct. 1966. 286.8 C734
Pakistan.
- 26368 RUTTAN, V. W. Agricultural policy in an affluent society. J. Farm Econ. 48(5):1100-1120. Ref. Dec. 1966. 280.8 J822
- 26369 SAKK, K. Agriculture in Italy. (Sw) Jordbruksek. Medd. 28(11):283-290. Nov. 1966. 257.3 J76
English summary, p.282.
- 26370 SALTROE, T. Agriculture in Aust-Agder. (No) Norsk Skogbruk 11(17):539-540. Sept. 1965. 99.8 N815
- 26371 SANNE, S. Agriculture in Ulster. (Sw) Var Naring 42(11):312-313, map. 1965. 44.8 M692
- 26372 SCHLEINZER, K. The adaptation of agriculture and forestry to the requirements of the market. (Ge) Agr. Rundsch. 1:14-19. Feb. 1966. 280.8 Ag82
Austria.
- 26373 SCHMIDT, W. 20 years of the Socialist Unity Party of Germany—20 years of creative use of Lenin's cooperative plans in the DDR. (Ge) Z. Agrarök. 9(4):171-180. Ref. 1966. 281.8 Z3
- 26374 SCHNITTKER, J. A. Farm policy—today's direction. J. Farm Econ. 48(5):1091-1099. Dec. 1966. 280.8 J822
- 26375 SCHUBKEGEL, M. G., and FLANAGAN, A. J. Problems and prospects in Argentina's agricultural Northeast. Foreign Agr. Incl. Foreign Crops Markets 5(4):7. Jan. 23, 1967. A281.9 F76Fo
- 26376 SILBiger, S. The social plan for the development of agriculture and storage and transportation problems. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 482:16-28. Oct. 13, 1966. (JPRS 38,136; TT 66-34563) 173 J663Ste
Yugoslavia.
Translation from Glasnik 8/9:3-9. Aug./Sept. 1966.
Issued by CFSTI.
- 26377 SINGLETON, C. B. Highlights of the agriculture and trade of Tanzania. Foreign Agr. Incl. Foreign Crops Markets 5(2):12. Jan. 9, 1967. A281.9 F76Fo

- 26378 SKINNER, S. W. Highlights of the agriculture and trade of Nigeria. Foreign Agr. Incl. Foreign Crops Markets 4(51):16. Dec.19,1966. A281.9 F76Fo
- 26379 SKOGS- OCH LANTBRUKSAKADEMIEN. Årsberättelse [Annual report of the Swedish Academy of Forestry and Agriculture]. 1965. (Sw) Skogs- Lantbruksskad. Tidskr. 105(5):187-244. 1966. 104 Sw3
English summary.
- 26380 SPEGGERS, C. Danish agriculture as partner in Europe. (Ge) Raiffeisen-Rundschau 18(5): 185-187. May 1966. 284.28 R132
- 26381 STARNOVSKY, Z. Application of new management system in agriculture; the role of prices in the new management system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488:1-11. Nov.7,1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Czechoslovakia.
Translation from Ekonomika Zemedelstvi 7:173-176. July 1966.
Issued by CFSTI.
- 26382 TEAFORD, M. L. Highlights of the agriculture and trade of the Congo (Kinshasa). Foreign Agr. Incl. Foreign Crops Markets 4(50):16. Dec.12,1966. A281.9 F76Fo
- 26383 TIMM, T. R. Proposals for improvement of the agricultural outlook program of the United States. J. Farm Econ. 48(5):1179-1184. Dec. 1966. 280.8 J822
- 26384 TROUT, S. A. Changing pattern of food production and food habits in the U.S.A. I. Australian Food Manufacture Distributor 36(4):24,26. Nov.11,1966. 389.8 Au7
Farm labor, vegetable culture and harvesting, farm returns, and advertising.
- 26385 TSANEV, A. Stable and constantly growing farm yields. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 462:1-8. Oct.13,1966. (JPRS 38,136; TT 66-34563) 173 J663Sts
Bulgarian policy and investments.
Translation from Naruchnik na Agitators 16/17:54-64. Aug.1966.
Issued by CFSTI.
- 26386 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. The world agricultural situation, review of 1966 and outlook for 1967. U. S. D. A. Foreign Agr. Econ. Rep. 33,41 p., map. Jan.4,1967. A281.9 Ag8F
U. S. Foreign Agricultural Service, cooperating.
- 26387 U. S. FARMERS HOME ADMIN. Press reports; building rural America; rural areas development. Washington, 1966. 51 p. aHD1753.F2
- 26388 VIGNACOURT, R. J. B. DE. Italy 1946-1966: a new renaissance. (Fr) Economie 22(1031): 7-19,15-17,19-21,23. Dec.2,1966. 280.8 Ec726
Includes problems and advances in agriculture.
- 26389 VIZCARRA, A. DE. Suplemento 3: Bibliografía boliviana del material agronomico que se encuentra en la Biblioteca Central del Servicio Agrícola Interamericano [Supplement 3: Bolivian bibliography of agricultural material to be found in the Central Library of the Inter-American Agricultural Service]. La Paz, 1964. 11 p. 241 V832
- 26390 VRIENS, J. A. West German and Netherlands agriculture. (Du) Econ.-Statist. Ber. 51(2572): 1286-1291. Dec.14,1966. 280.8 Ec722
Prices and labor productivity included.
- 26391 VU, H. H. Some experiences in the guidance of the campaign to improve the management of cooperatives and techniques and to develop agricultural production in the Hai Hau district. U. S. Joint Publ. Res. Serv. Transl. Hoc. Tap (Stud.). N. Vietnam 10:33-43. Dec.8,1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:26-34. Oct. 1966.
Issued by CFSTI.
- 26392 WARREN, C. J. Highlights of the agriculture and trade of the United Arab Republic (Egypt). Foreign Agr. Incl. Foreign Crops Markets 5 (4):16. Jan.23,1967. A281.9 F76Fo
- 26393 WEINSCHECK, G., and HENRICHSMEYER, W. The theory and establishment of the balance of agricultural production within a given area. (Ge) Germany. Bundesanin. Ertrag. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(2):201-242. Ref.,p.240-242. 1966. 13 G31
English summary.
- 26394 WENMOHS, J. R. Mainland China may attempt another Great Leap Forward. Foreign Agr. Incl. Foreign Crops Markets 4(52):5-6. Dec.26,1966. A281.9 F76Fo
Agriculture.
- 26395 WESTERMARCK, N. Agricultural economic development and agricultural policy in Scandinavia, production year 1965/66. (Sw) Nord. Lantbruksskon. Tidskr. 16(3):84-94. 1966. 281.8 N75
- 26396 YANIV, S. The E. E. C. and West European agriculture; Netherlands. (He) Israel. Min. Agr. Ext. Serv. Agr. Publ. Div. [Publ.] 74,84 p. Ref. Aug.1966. 275.249 Is7
- 26397 ZICHE, J. Ten "Green Plans" and no end, (Ge) Agrarjahr 1966:24-31. 18 Ag85

Subsidies

- 26398 COMMONWEALTH DAIRY PRODUCE EQUALISATION COMMITTEE. Thirty-second annual report of directors and balance sheet as at 30th June, 1966. Sydney, 1966. 14 p. 281.3449 C73
- 26399 LAEDERMANN, J. English agriculture profits from annual subsidy of three million Swiss francs. (Fr) Ann. Agr. 6:87-89. 1966/1967. 17 An73
- 26400 MILK DEALERS' ASSOCIATION OF METROPOLITAN NEW YORK. Supplementary statement on behalf of Milk Dealer's Association of Metropolitan New York, Inc., Sealtest Foods, Metropolitan Division, National Dairy Products Corp., New York State Milk Distributors, Inc. operating under order 2 except the Dairymen's League, for hearing on proposed amendments to order 2 starting July 19, 1965. New York City. Milk Dealers' Ass. Metrop. N. Y. Membership. Lett. 142,10 p. Nov.18, 1965. 280.3449 M593
Cooperative payments.

COST AND STANDARD OF LIVING

- 26401 DOMENICO B, A. DI. Hoarding is one of the chief causes of the cost of living. (Sp) Rev. Nac. Agr. 60(730):19-14. Feb.1966. 94 R32
Colombia.

FARM MANAGEMENT AND LAND ECONOMICS

- 26402 ALFIRI, I. For an increase in profitability of state farms: Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 499,14 p. Nov.30,1966. (JPRS 38,895; TT 66-35319) 173 J663Ste
Translation from Finante si Credit 9:21-31. Sept.1966.
CFSTI: \$1.00.
- 26403 ALMS, E. W., and ROSENAU, G. Theses on the legal organization of cooperation associations in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:16-38. June 20,1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
In East Germany.
Translation from Staat und Recht 5:762-801. May 1966.
Issued by CFSTI.
- 26404 ARBEITSTAGUNG UBER BERGBAUERNFRAGEN, GUMPENSTEIN, AUSTRIA, 1965. [Federation of Papers of the working session on problems of mountain farming]. Forerungsdienst 14(spec.no.2),49 p. May 1966. 19 F75

- 26405 AXELSON, G. Planned operation. (Sw) Vastmanlands Lans Hushallningssallsk. Tidskr. 4: 20-21. 1965. 11 V44T Farming.
- 26406 BARRY, G. Malaysian plan seeks diversity of higher yielding crops. Foreign Agr. Incl. Foreign Crops Markets 5(2):7-8. Jan.9,1967. A281.9 F76Fo Diversified farming.
- 26407 BERKE, E. M. Economics of feed use with special attention to cattle raising. (Ge) Z. Agrarokon. 9(3):166-168. 1966. 281.8 Z3
- 26408 BODALSKI, M. The achievements and plans of co-operative farms. Polish Co-op. Rev. 5: 10-15. Oct.1966. 280.8 P756
- 26409 BONNINGER, K., and HAHNERT, R. Legal position of inter-collective bodies (cooperation councils). (Ge) Z. Agrarokon. 9(7):347-354. 1966. 281.8 Z3
- 26410 BRENDLER, D. Development and situation of cooperation in the Gundorf-Dolzlg area. (Ge) Z. Agrarokon. 9(7):362-365. 1966. 281.8 Z3
- 26411 BRUCKNER, A. Management re-orientation of mountain farms. (Ge) Forerungsdienst 14 (spec.no.2):15-19. May 1966. 19 F75 Austria.
- 26412 CANDELA, V. Improving the cooperation in production between M.T.S. and A.P.C. (Rum) Probl. Econ. [Bucharest] 19(10):83-97. Oct. 1966. 280.8 P947 English summary, p.172.
- 26413 CARDILES, P. Chances of tourism for rural communes. (Fr) Paysans 10(60):65-74. June/July 1966. 14 R323
- 26414 CASTILLO, G. T., and others. The U.P. [University of the Philippines] agriculture graduate looks at his job. Philippine Agr. 49(6/7): 540-554. Nov/Dec.1965. 25 P542 G. D. Feliciano, R. Salcedo, and C. Montecillo.
- 26415 CITU, D. Improvement of the internal management of agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 493,16 p. Nov.22,1966. (JPRS 38,738; TT 66-35162) 173 J663Ste Rumania. Translation from Probleme Economice 19 (8):65-77. Aug.1966. CFSTI: 1,006.
- 26416 COLOMBO, G. Possible applications in the operative field of some modern techniques in farm economic analysis. (It) Bari Univ. Fac. Agr. Ann. 19:1-85. Ref. 1965, pub. 1966. 105.4 B232 Linear programming included.
- 26417 CONNOR, L. J., HATCH, R. E., and WALKER, O. Alternate crop enterprises on loam and sandy soils of northwest Oklahoma; resource requirements, costs and returns. Okla. Agr. Exp. Sta. Process. Ser. P-552,28 p., map. Nov.1966. 100 Ok4M Grain and forage plants.
- 26418 DAMYANOV, K. Economic relations between the state and TKZS under the new system of management. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505:1-18. Dec.15,1966. (JPRS 39,143; TT 66-35566) 173 J663Ste Bulgaria. Translation from Ikonomicheska Misul 8: 49-61. Oct.1966. Issued by CFSTI.
- 26419 DIEDLER-HEINERSDORF, C. Why still keep dairy cattle today? (Ge) Mitt. Deut. Landwirt.-Ges. 81(43):1594,1596. Oct.27,1966. 18 N39 Farm management.
- 26420 DRAHOVZAL, J. Internal organization of uniform agricultural cooperatives in Czechoslovakia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 491:16-35. Nov.13,1966. (JPRS 38,644; TT 66-35069) 173 J663Ste Translation from Ekonomika Zemedelstvi. 9:241-245. Sept.1966. Issued by CFSTI.
- 26421 DUVICK, R. D. Part-time farming in two areas of southern Michigan, 1959 & 1963: changes and similarities. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):64-76, map. Aug.1966. 100 M58S
- 26422 ELVERT, G. Use of the new economic system on state farms. (Ge) Z. Agrarokon. 9(3):144-151. 1966. 281.8 Z3
- 26423 ERICKSON, D. E. Role of Illinois test-demonstration farm program in farm management extension education activities. J. Farm Econ. 48 (5):1613-1618. Dec.1966. 280.8 J822
- 26424 FISHER, H. G., and NUNEZ V., F. Incidence of peanuts as monoculture in the central region of Cordoba. (Sp) Inform. Grasas Aceites. Bol. 3(7):73-74. Sept.1965. 307.8 In3 Includes policy.
- 26425 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Winter management of dairy barns. (Fr) France. Centre Nat. Etud. Exp. Mach. Agr. Bull. Inform. 10:13-17. June 1966. 58.9 F843B Feeding systems and work management studied in Department of Manche.
- 26426 FROESCHLE, K. Greater foresight in livestock finishing! (Ge) Mitt. Deut. Landwirt.-Ges. 81(50):1817-1818,1822,1824. Dec.15, 1966. 18 N39 Management.
- 26427 GADGIL, D. R. An assessment of cooperative farming in India. Indian Coop. Rev. 3(4):1072-1077. July 1966. HD2951.15
- 26428 GERDES, G. Degree of concentration and cost structure of sugar beet production in the DDR. (Ge) Z. Agrarokon. 9(4):193-199. Ref. 1966. 281.8 Z3 Includes number and area of farms.
- 26429 CORNER, L. Development of a labor and management community. (Ge) Mitt. Deut. Landwirt.-Ges. 81(46):1697-1698,1700. Nov.17, 1966. 18 N39 A three-farm cooperative.
- 26430 GORNER, L. Smaller farm with larger production. (Ge) Tech. Landwirt. 18(10):290,292. Oct.15,1966. 58.8 T223 Livestock farm management.
- 26431 GREINER, G. Cooperation brings great benefits to agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:1-4. Oct.27,1966. (JPRS 38,350; TT 66-34776) 173 J633Ste State and collective farms. Translation from Presse-Informationen, Sept.28,1966:2. Issued by CFSTI.
- 26432 GRENOBLE. UNIVERSITE. INSTITUT D'ETUDES SOCIALES. Are integrated peasants hired men? (Fr) Paysans 10(60):41-53. June/July 1966. 14 R323 Legal aspects of cooperation.
- 26433 HICBEE, F. F. Opportunities in range management through association. J. Range Manage. 19(5):256-258. Sept.1966. 60.18 J82
- 26434 HON, L. S. Some economic aspects of agricultural diversification in Malaysia. Malaysian Agr. J. 45(1):6-16. Jan.1965. 22.5 F312
- 26435 HUBERTS, M. A. J. From diversified to specialized farm. (Da) Neth. Dir. Landbouw. Landbouwvoorlichting 23(5):159-161. May 1966. 12 N383M
- 26436 IRWIN, G. D., and HAVLICEK, J. Tailoring farm account projects to answer aggregate questions. J. Farm Econ. 48(5):1623-1628. Dec.1966. 280.8 J822 Use of computers.
- 26437 JENSEN, B. Large-scale production of beef in U.S.A. (Da) BP Olie-Kompagniet Nyhedstjeneste 53:21-23. Nov.1966. 281.9 B44 Feedlot management.
- 26438 JIANU, E. Economic aspects of the concentration of maize culture in the Fetesti Trust State Farms. (Rum) Probl. Econ. [Bucharest] 19 (10):141-147. Oct.1966. 280.8 P947

- 26439 KASCHNER, G. Conclusions of the third Central Conference of State Farms. (Ge) Deut. Landwirt. 17(10):470-472. Oct.1966. 18 D4822
- 26440 KASCHNER, G. Some conclusions from the third Central Conference of State Farms. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:1-6. Dec.15,1966. (JPRS 39,128; TT 66-35551) 173 J6638te
Translation from Die Deutsche Landwirtschaft 10:470-472. Oct.1966.
Issued by CFSTI.
- 26441 KEETCH, R. R. Farm flocks pay off. Utah Farm Home Sci. 27(2):82-83. June 1966. 100 Ut1F
Sheep farm management.
- 26442 KINNEAR, H. Growing feeder pigs—profitable speciality. Nation's Agr. 42(1):28-30. Jan. 1967. 280.82 B89
- 26443 KLOSE, M. Concepts and problems of method in the organization of socialist farms producing with a division of labor. (Ge) Z. Agrarikon. 9(3):135-143. 1966. 281.8 Z3
- 26444 KLOSE, M. Management and organization of scientific work. (Ge) Z. Agrarikon. 9(5):247-255. 1966. 281.8 Z3
With reference to the Gundorf Institute for Farm and Labor Economics [Institut für Landwirtschaftliche Betriebs- und Arbeitsökonomik Gundorf].
- 26445 KLOSE, M., and FINZEL, R. Tasks and problems of research in the field of management of socialist farms. (Ge) Z. Agrarikon. 9(4):200-206. 1966. 281.8 Z3
- 26446 KLUGEL, R., and HOYER, R. Development of cooperative relations—a social process. (Ge) Deut. Landwirt. 17(10):475-478. Oct.1966. 18 D4822
Throughout the production-marketing-processing chain.
- 26447 KRZYŻONOS, J. An evaluation of the progress of state farms in Poland 1961-1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505:56-63. Dec.15,1966. (JPRS 39,143; TT 66-35566) 173 J6638te
Translation from Zycie Gospodarcze 45:8. Nov.6,1966.
Issued by CFSTI.
- 26448 KUTZSCHBAUCH, K. Explanations of some fundamentals of determining the advantage of agricultural investments with numerical examples. (Ge) Z. Agrarikon. 9(4):206-216. 1966. 281.8 Z3
- 26449 LARSEN, P. H. Production planning in agriculture. II. Evaluation of production basis. (Da) Tolvmadsbladet 38(1):40-46, map. Jan. 1966. 11 T58
- 26450 LEE, Y. O., and others. Focus on agricultural diversification. Malayan Agr. 5:1-11. Ref. 1964/65. 22.5 K952
C. C. Hoy, K. K. Ming, M. I. Ahmad, and Y. B. Heong, joint authors.
- 26451 LIPSKI, W. Cooperative farming in Poland. Indian Coop. Rev. 3(4):1119-1126. July 1966. HD2951.5
- 26452 LU, N. C. T'ai-wan sheng shih shih keng che yu ch'i tien ti chia chiao ch'ing ch'ien ling ti tung hu nung chia ching chi fen hsi [An analysis of farm family economy of owner-operators under the land-to-the-tiller program in Taiwan before the payment of land price in full in 1960]. Taipei, T'ai-wan Tu Ti Yin Hang, Yen Chiu Ch'u, 1965. 313 p. HD191.731.8
Includes English table of contents.
- 26453 MILENKOVIC, P. Directions and tendencies in the further development of socialized agricultural production in the Vojvodina. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 496:12-27. Nov.28, 1966. (JPRS 38,816; TT 66-35240) 173 J6638te
Private farms in Yugoslavia, including tenure.
Translation from Ekonomika Poljoprivrede 9: 665-677. Sept.1966.
Issued by CFSTI.
- 26454 MOEN, R., and WESTGAARD, P. Conditions for the production of milk at Ostlandet. (No) Buskap Avdratt 18(2):88-92. 1966. 49 B96
Farm management.
- 26455 MURRE, M. Cooperation of large arable farms. (Du) Landbouwmecanistie 17(11): 1147-1151. Nov.1966. 58.8 L2352
English summary.
- 26456 NEW MEXICO CATTLE GROWERS ASSOCIATION. Statement before Land Law Commission hearing. N. Mex. Stockman 31(12):16-17, 24-25. Dec.1966. 49 N462
On use of public lands for grazing, under the Public Land Law Review Commission (New Mexico).
- 26457 NORDGREN, N. Creating farms of efficient size in the Malingbo forest district. (Sw) Lantbruksidskr. Dalarna 79(3):75-81. 1966. 11 L29
- 26458 NORGES LANDBRUKSÖKONOMISKE INSTITUTT. Driftsgranskinger i jordbruket; regnskapsresultater [Farm management investigations; farm records], 1965. Vol. 55. Halden, 1966. 159 p., map. 11 N762
Table of contents and summary also in English.
- 26459 PAL, J. Grape and fruit producing cooperatives. (Hu) Kerteszeti Szólesz. 15(22):3. Nov. 1966. 80 K474
Management.
- 26460 PARATHASARTHY, G. Evaluation of cooperative farming societies. Indian Coop. Rev. 3(4): 1109-1118. July 1966. HD2951.15
- 26461 PAZUR, K. Some economic and political problems in the private farm sector in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 498:18-33. Nov.30,1966. (JPRS 38,877; TT 66-35301) 173 J6638te
Translation from Glasnik 10:20-29. Oct. 1966.
Issued by CFSTI.
- 26462 PEARL, M. A. The future of public lands. J. Soil Water Conserv. 21(6):233-234. Nov./Dec. 1966. 56.8 J822
Legislation and policies.
- 26463 PELLIZZARI, C. Farm dimension for mechanization and state policy. (It) Rass. Agr. Ital. 21(11):17-18. Nov.1966. 281.8 R18
Policy with regard to proper size and cooperation.
- 26464 PETKOV, T. The economic rights of state farms under the new economic system in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:4-8. Nov.29,1966. (JPRS 38,859; TT 66-35283) 173 J6638te
Translation from Otchetnost i Kontrol 9:370-373. Sept.1966.
Issued by CFSTI.
- 26465 PETKOVIC, M. The value and structure of production of village farms in dependence upon the socio-economic possessions of the households. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505: 42-55. Dec.15,1966. (JPRS 39,143; TT 66-35566) 173 J6638te
Yugoslavia; includes sources of income.
Translation from Ekonomika Poljoprivrede. 13(10):771-782. Oct.1966.
Issued by CFSTI.
- 26466 PURI, S. S. Supporting services to cooperative farming. Indian Coop. Rev. 3(4):1105-1108. July 1966. HD2951.15
- 26467 QUERCY, P. The agricultural enterprise confronted with environmental structures. (Fr) Agr. Prat. 130(9,i.e.10):16-19. Oct.1966. 14 J82
Management of three farms which later joined forces into a cooperative.
- 26468 QUINTANA, E. U. Decision-making in farm management. Philippine Agr. 49(6/7):438-449. Nov./Dec.1965. 25 P542

- 26469 RADULOV, L. Economic unions and the law of value under socialism. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 619:1-14. Nov.4, 1966. (JPRS 38,485; TT 66-34910) 173 J663Tre
Includes work in furnishing collective farms with supplies in Bulgaria.
Translation from Planovo Stopanstvo i Statistika 7-23, 33. July 1966.
Issued by CFSTI.
- 26470 RIEDLER, R. What are marginal agricultural lands? (Ge) Fororderungsdienst 14(8):259-265. Aug. 1966. 19 F75
Includes labor requirements, profit-limiting factors, transportation costs, and mechanization possibilities in Austria.
- 26471 ROMARHEIM, H. Egg production as a supplementary branch. (No) Fjorfe 83(10):212-215. Oct. 1966. 47.8 T432
Diversified farming.
- 26472 SAMOCHIS, B., and FLOREA, I. Application of mathematical programming in the planning of optimal production of forage plants. (Rum) Probl. Agr. [Bucharest] 18(8):57-64. Aug. 1966. 21 R662
- 26473 SANTNER, T. Specialization increases productivity in livestock production. (Ge) Fororderungsdienst 14(7):224-226. July 1966. 19 F75
Austria.
- 26474 SCHILLING, H. Forms and importance of farmer production cooperatives in West Germany. (Ge) Z. Agrarök. 9(4):216-220. 1966. 281.8 Z3
- 26475 SCHMITTNER, F. The importance of additional employment for mountain farmers. (Ge) Fororderungsdienst 14(spec.no.2):20-28. May 1966. 19 F75
On or off-farm work in Austria.
- 26476 SCHUT, B. Invitation to Middachten. (Du) Ned. Heidemaatsch. Tijdschr. 77(5):215-227. May 1966. 12 N282
History and description of a castle and its estate.
- 26477 SINGH, T. Approach to cooperative farming. Indian Coop. Rev. 3(4):1078-1086. July 1966. HD2951.15
- 26478 SKOMROCH, W. Economic criteria for decisions in optimum estimates. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(3):527-542. 1966. 18 G31
- 26479 STANESCU, N., and HILMU, M. Principles of profitability at state farms. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:27-36. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Dairy farm management in Rumania.
Translation from Viata Economica 4(43): 12-13. Oct. 28, 1966.
Issued by CFSTI.
- 26480 STANSBY, I. Farm management: a business approach to farming. Rhodesia Agr. J. 63(2): 35-41. Mar./Apr. 1966. 24 R34
Tobacco.
- 26481 STEFFEN, G. Production and investment planning in animal production. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 19:149-184. Ref. 1965. 27 H652
- 26482 STERKEN, W. Determination of costs and economic advantage of scientific work in the sphere of the German Academy of Agricultural Sciences [Deutsche Akademie der Landwirtschaftswissenschaften] in Berlin. (Ge) Z. Agrarök. 9(5):255-259. 1966. 281.8 Z3
The Gundorf Institute for Farm and Labor Economics [Institut für Landwirtschaftliche Betriebs- und Arbeitsökonomik Gundorf].
- 26483 STOVALL, J. G. Income variation and selection of enterprises. J. Farm Econ. 48(5):1575-1579. Dec. 1966. 280.8 J822
- 26484 STRYG, P. E. Use of the Monte Carlo method in farm management planning compared with linear programming and the addition method. (Da) Tidskr. Landökon. 9:427-452. Nov. 1966. 11 T43
- 26485 SUBRAMANIAM, C. Out of grooves. Indian Coop. Rev. 3(4):1069-1071. July 1966. HD2951.15
Cooperative farming.
- 26486 SUKHONOSSENKO, N. D. Level of economic analysis. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:33-35. Oct. 1966. 30.69 Uc4
Collective farm management.
- 26487 SULEIMANOV, P. S. Spetsializatsiya, vazhnyi faktor v uvelichenii proizvodstva sel'skokhozyaystvennykh produktov [Specialization as an important factor in increasing the production of farm products]. Baku, Azerneshr, 1965. 33 p. HD1995.A9S9
Text in Azerbaijani.
- 26488 TECHMA, J. The tasks of the state machine stations. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504: 13-26. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Poland.
Translation from Mechanizacja Rolnictwa 19: 11-14. Oct. 1966.
Issued by CFSTI.
- 26489 THYE, R. Why keep dairy cattle today? (Ge) Mitt. Deut. Landwirt.-Ges. 81(45):1656-1658. Nov. 10, 1966. 18 N39
- 26490 TILLISCH, E. The bigger farms as grain producers. (Da) Tolvmandsbladet 38(4):203-205. Apr. 1966. 11 T58
- 26491 TREHTAR, I. The "return to private forms" of agriculture in Slovenia. (Ge) Osteuropa 16(10):716-721. Oct. 1966. 110 Os7
- 26492 UPTON, M., and ANTHONIO, Q. B. O. Farming as a business. London, Oxford University Press, 1965. 133 p. Ref., p. 122-123. (Oxford Tropical Handbooks) 5562.T7U6
- 26493 VERBELEN, J. Land development: a profect. (Fr) Rev. Agr. [Brussels] 19(10):1075-1077. Oct. 1966. 13 R322
Creation of economic sizes of farms for improved management.
- 26494 VOGEL, G. Function and economics of swine raising. (Ge) Betriebswirtschaftl. Mitt. Wirtschaftsberater 145:3-8. Nov. 15, 1966. 281.8 B462
Management and costs, chiefly.
- 26495 VYAS, V. S. Operation and management of co-operative farms. Indian Coop. Rev. 3(4): 1087-1093. July 1966. HD2951.15
- 26496 WADEKIN, K. E. Farm manager and functionary: the collective farm chairmen in their relation to regulated instances toward the end of the Khrushchev era. (Ge) Osteuropa 16(10): 685-695. Oct. 1966. 110 Os7
- 26497 WALKER, O. L., and MARTIN, J. R. Firm growth research opportunities and techniques. J. Farm Econ. 48(5):1522-1535. Ref. Dec. 1966. 280.8 J822
Includes discussion by G. D. Irwin.
- 26498 WASHINGTON, DEPT. OF NATURAL RESOURCES. Eastern Washington's many natural resources, by B. L. Cole. West. Conserv. J. 23(1):28-29, 34. Mar. 1966. 279.8 W526
Activities for the fiscal year 1965 on management of State-owned lands.
- 26499 WEST BENGAL. DEPT. OF AGRICULTURE AND COMMUNITY DEVELOPMENT. Study on farm management and cost of production of crops, West Bengal. Volume II. Calcutta, 1965. 156 p. 22 W522
- 26500 WEST BENGAL. DEPT. OF AGRICULTURE AND COMMUNITY DEVELOPMENT. Study on farm management and cost of production of crops, West Bengal. Volume III. Calcutta, 1966. 205 p. 22 W522

- 26501 WILKE, E. New uniform formularies for program planning. (Ge) Ausbildung Beratung Land-Hauswirtschaft, 19(8):164. Aug. 1966. 18 N11
In extension work.
- 26502 WORZ, J. G. F. Genossenschaftliche und partnerschaftliche Produktionsförderung in der sudanesischen Landwirtschaft [Cooperative and partnership production promotion in Sudan agriculture]. Z. Ausländische Landwirt. Sonderh. 4,80 p., map. 1966. Ref., p. 77-79. 281.8 Z325
English summary.
In the Gezira Scheme.
- 26503 WORZ, J. G. F. Genossenschaftliche und partnerschaftliche Produktionsförderung in der sudanesischen Landwirtschaft [Development of cooperative and partnership production in Sudan agriculture]. Z. Ausländische Landwirt. Sonderh. 4,80 p., map. Ref. 1966. 281.8 Z325
English summary.
The Gezira Scheme.
- 26504 ZAMBIA, DEPT. OF LANDS. Annual report for the year 1965. Lusaka, 1966. 7 p. 282.9 R342
- 26505 ZDOROVTSOV, A. I., and MARUSHCHAK, A. F. Intensification in sugar beet growing and the labor resources. (Rus) Sakiarn. Svekla 12:3-5. Dec. 1966. 66.8 Su393
- Bookkeeping and Records
- 26506 BELYI, A. Accounting while analyzing costs of production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:40-41. Oct. 1966. 30.69 Uc4
- 26507 GURINOVICH, B. Accounting in rotation of crops. (Rus) Zemledelie 11:67-69. Nov. 1966. 20 Z44
- 26508 KHAZANOVICH, L. M. Accounting performed by data processing equipment. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:13-16. Oct. 1966. 30.69 Uc4
- 26509 KOMAROVSKII, L. E., MESHCHERSKII, R. G., and NESMASHNYI, V. N. Accounting of fixed capital on cards. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 10:17-18. Oct. 1966. 30.69 Uc4
State farms.
- 26510 PAGELLA, M. Farm accounts and production costs in agriculture. (It) Turin. Accad. Agr. Ann. 107:177-193. 1964/65. 16 T63
- 26511 SCHENK, E. W. Comparison of firms in horticulture. (Ge) Landesverband Gartenbau Landwirt. Berlin. Mitteilungsbl. 17(11):20-22. Nov. 1966. 85 L233
Bookkeeping results.
- 26512 SELDON, W. M., and GROENEWALD, J. A. Management accounting in agriculture. Agrekon 5(4):19-29. Oct. 1966. 281.8 Ag835
Review of the literature.
- 26513 SMIRNOV, V. D. Calculating costs of the greenhouse vegetables. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:22-25. Nov. 1966. 30.69 Uc4
- 26514 STUDENKOVA, N. M. Metodika ischisleniya sebestoimosti produktov i v kolkhozakh i sovkhkhakh [Cost accounting of collective and state farm production]. Moskva, Ekonomika, 1965. 127 p. S567.S75
- 26515 SUVOROV, V. YA., and ALISOV, N. I. Calculating losses separately. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 11:25. Nov. 1966. 30.69 Uc4
Repair-technical stations.
- Costs and Returns
- 26516 AANDERUD, W. G. Hog production and management. S. Dak. State Univ. Ext. Ext. Circ. EC 649:3-11. Feb. 1966. 275.29 S885
Chiefly costs and returns.
- 26517 BLAU, K. Rentability calculation for milk production. (Ge) Unser Milchvieh 18(11):3-6. Nov. 1966. 43.8 Un7
- 26518 BOEV, V. Purchasing prices and the profit of collective farm production. (Rus) Planovoe Khoz. 11:13-19. Oct. 1966. 280.8 P69
- 26519 CESARI, C. Can the unit cost of forage be reduced? (It) Agr. Ferrarese 70(3):63-65. Mar. 31, 1966. 16 Ag87
Cultural costs.
- 26520 CLARK, J. Economic results from some barley beef units in the North of Scotland 1965/66. N. Scot. Coll. Agr. Agr. Econ. Dep. Econ. Rep. 118,21 p. Oct. 1966. 281.9 N817
- 26521 COLOMBO, G. The "indifference price" and economic advantage of crop substitution; the problem of the olive in a zone of difficult agricultural intensification. (It) Bari. Univ. Fac. Agr. Ann. 19:345-392. 1965, pub. 1966. 105.4 B232
Study of the "indifference price" of grapes, which might offer the manager a net return equal to that of olives and which represents the limit of suitability to its eventual substitution.
- 26522 DUTHIE, W. B. Financial results, East of Scotland farms, 1964-65: Group I—48 hill sheep farms; Group II—46 stock-rearing farms. Edinb. Sch. Agr. Bull. 83,18 p. July 1966. 103 Ed4
- 26523 EISOLD, S., and ERK, G. The influence of yield relations on the further development of site-oriented production, illustrated by the Magdeburg district. (Ge) Z. Agrarök. 9(5): 238-246. 1966. 281.8 Z3
Costs.
- 26524 FABBRI, R. Raising of calves for fattening. (It) Agr. Ferrarese 70(9):169-173. Sept. 30, 1966. 16 Ag87
Costs and returns.
- 26525 FEHRMANN, W. On the economics of the production of sweet cherries. (Ge) Obstbau [Berlin] 6(8):118-120. Aug. 1966. 80 Ob79
Includes labor productivity.
- 26526 FONTAINE, E. R. The beet sugar industry in Chile; an analysis of costs and benefits. (Sp) Cuad. Econ. 3(8):5-81. Jan./Apr. 1966. 280.8 C895
- 26527 GALGOCZI, J. Formation of primary expenses of sunflower. (Hu) Magyar Mezőgazdasági 21(51):8-9. Dec. 21, 1966. 19 M27
- 26528 GENELJGEN, J. VAN. Een beregeningsproefbedrijf op zeer droogtegevoelige zandgrond; resultaten over de periode 1964 t/m 1964 [An irrigation experimental farm on sandy soil very susceptible to drought; results from the period 1964/1964]. Wageningen. Proefsta. Akker-Weidebouw. Meded. 122,29 p. Aug. 1966. 64.9 W122
Chiefly costs and returns.
- 26529 GOEDEGEBURE, J. Variations in production cost of field strawberries. (Du) Groenten Fruit 22(16):655. Oct. 26, 1966. 80 G89
- 26530 GRECO, C. Italian agriculture in actuality; produce more for comparatively less; this the difficult problem. (It) G. Agr. 76(45):478. Nov. 6, 1966. 16 ItIG
- 26531 HAAN, W. G. DE, and VROOMEN, C. O. N. DE. Bulb flowers on flowerbulb holdings. (Du) Neth. Dir. Tuinbouw. Mededel. 29(9):385-392. Sept. 1966. 86 N384
English summary, p. 400.
Costs and returns.
- 26532 HEPP, R. E. Cash flows and financial progress of Michigan dairy farmers, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 55,9 p. July 1966. 281.9 M5842
- 26533 HEPP, R. E., and BROWN, L. H. Dairy farming today, southern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 51,21 p., map. 1966. 281.9 M5842
Costs and returns.
- 26534 HEPP, R. E., and BROWN, L. H. Dairy farming today northern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 52,17 p., map. 1966. 281.9 M5842
Costs and returns.

- 26535 HEPP, R. E., and BROWN, L. H. Dairy-general farming today in southern Michigan, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 53, 21 p., map. 1966. 281.9 M5842
Costs and returns.
- 26536 HORSBURGH, A. S. Chrysanthemum costings, 1965 year. West Scot. Agr. Coll. Econ. Dep. Rep. 110, 20 p. 1966. 281.9 W5222
- 26537 KELSEY, M. P. Fruit farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 44, 25 p., map. 1966. 281.9 M5842
Includes vegetables.
- 26538 KELSEY, M. P., and SHEPPARD, C. C. Poultry farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 45, 21 p., map. 1966. 281.9 M5842
- 26539 KROTIK, V. Naklady a kalkulace v zemědělských podnikách [Costs and accounting of farming enterprises]. Ed. 2, rev. and enl. Praha, Státní zemědělské Nakladatelství, 1966. 463 p. Ref. S567.K7
- 26540 KYLE, L. R. Cash grain farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 47, 17 p., map. 1966. 281.9 M5842
Corn, wheat, navy beans, and soybeans.
- 26541 KYLE, L. R. Potato farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 48, 17 p., map. 1966. 281.9 M5842
- 26542 KYLE, L. R. Saginaw Valley cash crop farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 46, 17 p., map. 1966. 281.9 M5842
Sugar beets.
- 26543 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE KARNTEN. Betriebswirtschaftliche Ergebnisse von 207 landwirtschaftlichen Betrieben in Karnten [Economic results of 207 agricultural holdings in Karnten], 1965. Klagenfurt, 1966. 67 p. HD1940.C2L3
- 26544 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE SALZBURG. Betriebswirtschaftliche Ergebnisse von 151 landwirtschaftlichen Betrieben in Salzburg [Economic results of 151 agricultural holdings in Salzburg], 1965. Salzburg, 1966. 56 p. HD1940.S2L3
- 26545 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFÜHRUNGS-GESELLSCHAFT. LANDESSTELLE VORARLBERG. Betriebswirtschaftliche Ergebnisse von 55 landwirtschaftlichen Betrieben in Vorarlberg [Economic results of 55 agricultural holdings in Vorarlberg], 1965. Bregenz, 1966. 16 p. HD1940.V6L3
- 26546 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFÜHRUNGS-GESELLSCHAFT M.B.H. LANDESSTELLE BURGENLAND. Betriebswirtschaftliche Ergebnisse von landwirtschaftlichen Betrieben im Burgenland [Economic results of farms in Burgenland], 1965. Eisenstadt, 1966. 40 p. HD1940.B8L3
- 26547 LISOVSKII, YA. N. Economic feasibility of rice growing in the Ukrainian SSR. (Rus) Gidrotekh. Melior. 11:1-6, Nov. 1966. 290.8 G362
Includes acreage.
- 26548 LOSCH, R. Differential cost structure in European agriculture. (Ge) Agrarjahr 1966:35-40. 18 Ag85
- 26549 MEEK, A. M. Other than milk: sources of income from dairy cattle. Dairymen's League News 50(23):6, 23, Dec. 7, 1966. 44.8 D1432
Growing of replacement heifers, veal calves, and steers for meat production; chiefly costs.
- 26550 MURPHY, W. J. B. Beef cattle production; investment and return. Agr. Gaz. New S. Wales 77(10):589-592, Oct. 1966. 23 N472
- 26551 MURRE, M. Possibilities of cooperation for 50 ha. arable farms. (Du) Neth. Dir. Landbouw. Landbouwoverlichting 23(5):162-167, May 1966. 12 N383M
Costs and returns.
- 26552 NILSSON, B. Economic competitiveness of sugar beet culture with fall rape, fall wheat and barley culture. (Sw) Malmöhus Lans Hushållningssällsk. Kvartalskr. 1:52-70, map. 1966. 11 M29
Costs and returns.
- 26553 NOORT, L. VAN. Rentabiliteit van het kwekersbedrijf in de bloembollenstreek; voorlopige berekening 1965 [Profitability of nurseries in the flower bulb district; preliminary estimate 1965]. Landbouw-Econ. Inst. Verslagen 165, 27 p. July 1966. 281.9 L23V
Costs and returns.
- 26554 NORMANN, A. Strawberry culture in North-Norway. (No) Gartneryrket 56(46):1026, 1029, Nov. 11, 1966. 80 G1938
Chiefly production costs and marketing outlook.
- 26555 NORUP-STUDSTRUP, A. Economics of fattening of calves, young bulls, steers and culled cows. (Da) BP Olie-Kompagniet Nyhedstjeneste 53:24-28. Nov. 1966. 281.9 B44
- 26556 PETTERSSON, A., and KARLSSON, H. Kombinerad produktion av smagrisar och flask [Combined production of baby pigs and pork]? Forsok Forsk. 9, 7 p. 1966. 11 F77
Returns.
- 26557 RAMSEY, C. W. Potential economic returns from deer as compared with livestock in the Edwards Plateau region of Texas. J. Range Manage. 18(5):247-250. Sept. 1965. 60.18 J82
- 26558 RHODE, W. Profit and economy of growing potatoes for starch, as influenced by size of the seed potatoes. (Ge) Starke Kartoffel 11(1):3-4. In Kartoffelbau 17(2). Feb. 1966. 75.8 K145
Costs and returns.
- 26559 RITCHIE, W. Farm costs still climbing. Doane's Agr. Rep. 30(2):32-34. Jan. 8, 1967. 281.8 D652
- 26560 ROSOWSKI, S. The profitability of state farms. II. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:77-85, June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
In Poland.
Translation from Nowe Rolnictwo 15(8):4-7, Apr. 1966.
Issued by CFSTI.
- 26561 SCHOPPERS, A. J. The influence of autumn crops on the operating results. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:199-203. 86 N112J
English summary, p. 13-14 of summary section.
Chiefly costs and returns of greenhouse vegetables.
- 26562 SOLVERUD, S. Returns and management in swine husbandry. (No) Buskap Advratt 18(2): 111-114. 1966. 49 B96
- 26563 STORCK, H., and HERRMANN, C. An index of purchase prices of horticulture working assets. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 44(3):543-557. 1966. 18 G31
English summary.
- 26564 TAMAS, L. Main problems in the economy of large-scale grape and wine production. (Hu) Kerteszeti Szólesz. 15(22):10. (Cont.) Nov. 1966. 80 K474
- 26565 THOMSEN, C. Beef cattle versus large dairy cattle. (Da) BP Olie-Kompagniet Nyhedstjeneste 53:29-31. Nov. 1966. 281.9 B44
Costs and returns.
- 26566 TINSLEY, W. A. Swine farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 50, 9 p., map. 1966. 281.9 M5842
- 26567 TROG, K. Use of home-produced grain in swine fattening. (Ge) Betriebswirtschaftsch. Mitt. Wirtschaftsberater 145:9-12. Nov. 15, 1966. 281.8 B462
Costs.

Land Settlement and Colonization

- 26568 AKERS, H. A. Settlement schemes spell progress, problems for Kenya. Foreign Agr. Incl. Foreign Crops Markets 4(52):7-8. Dec.26,1966. A261.9 F76Fo
- 26569 BIELFELD, C. Method and way of universal land development in the North Program [Program Nord]. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(2):291-384, map. Ref. p.347-348. 1966. 18 G31
Reclamation, settlement, and agricultural policy.
- 26570 FITE, G. C. Daydreams and nightmares: the late nineteenth-century agricultural frontiers. Agr. Hist. 40(4):285-293. Ref. Oct.1966. 30.98 Ag8
- 26571 OLIVEIRA E SILVA, J. Planning of experimental agricultural exploitations. (Por) Port. Junta Colon. Interna. Temas Econ.-Soc. Agr. Resumen Textos Inform. 42:6-14. June 1966. 281.9 P834
Settlement.
- 26572 OPPERMANN, E. Outsettlement—but where? (Ge) Agrarjahr 1966:65-69. 18 Ag85
- 26573 SPITZ, A. Democratic transplantation: the case of land policy in Hawaii. Land Econ. 42(4):473-484. Ref. Nov.1966. 282.8 J82
Homesteading with attention to land tenure and the creation of a multi-ethnic community.
- 26574 TUINMAN, A. S. Dutch settlements in Brazil. World Agr. 15(4):11-13. Oct.1966. 6 W893
- 26575 WIESE, H. Die Eingliederung vertriebener Landwirte auf Vollbauernstellen, 1965 [The incorporation of displaced farmers to full farmer positions, 1965]. Agrarsoz. Ges. Materialsamm. 57,38 p. Ref. Oct.1966. 281.9 Ag862M
Includes tenure and credit.

Land Tenure

- 26576 AN EXAMINATION of the common law of Rhodesia on farm leases. Rhodesia Agr. J. 63(3):49-53. May/June 1966. 24 R34
- 26577 ARIAS B., M. Probable effect of application of the agrarian reform on production and consumption. (Sp) Ecuador. Univ. Cent. Fac. Cienc. Econ. Admin. (ser.3)51:65-119. Mar. 1966. 280.9 Ec97
Ecuador.
- 26578 AZIZ, U. Subdivision of estates in Malaya 1951-1960; author's reply. Malayan Econ. Rev. 11(2):46-62. Ref. Oct.1966. 280.8 M29
- 26579 BARRACLOUGH, S. L., and DOMKE, A. L. Agrarian structure in seven Latin American countries. Land Econ. 42(4):391-424. Ref. Nov.1966. 282.8 J82
- 26580 BEDORET, J. Land consolidation and enlargement of farms. (Fr) Rev. Agr. [Brussels] 19(10):1101-1106. Oct.1966. 13 R322
- 26581 CALAN, L. DE. Societies and rural leases. (Fr) Agr. Prat. 139(9,i.e.10):30-34. Oct.1966. 14 J82
Group farming and leases.
- 26582 COLOMBO, G., and PANERAI, A. On indices of measurement of topographic and economic dispersion of property and farm. (It) Bari. Univ. Fac. Agr. Ann. 19:393 [bis]-468. Ref. p.431-432. 1965, pub.1966. 105.4 B232
Fragmentation of holdings.
- 26583 DAMSTEEGT, G. Alblasserwaard land consolidation. (Du) Neth. Dir. Landbouw. Landbouw-voorlichting 23(5):141-151. May 1966. 12 N383M
Includes dairy farming program.
- 26584 DEWAELE, R. Urgent criteria for land consolidation. (Fr) Rev. Agr. [Brussels] 19(10):1115-1124, map. Oct.1966. 13 R322
- 26585 DOVRING, F. Land reform and productivity: the Mexican case, a preliminary analysis. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Res. Rep. AERR 83,17 p. Nov.1966. 281.9 IL62
- 26586 GAETANI, L. Commonplaces. (It) Ital. Agr. 103(10):851-854. Oct.1966. 16 I1
With regard to land tenure and improvements.
- 26587 GOLAY, E. Law of rural succession. (Fr) Ann. Agr. 6:23. 1966/1967. 17 An73
Land in Switzerland.
- 26588 HAAN, P. DE. Making of allotments and settlement of legal matters in consolidation of holdings. (Du) Pacht 25(10):227-237. Oct.1965. 282.8 P11
- 26589 HAGENGUTH, H. Importance and form of the lease. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(3):469-479. 1966. 18 G31
- 26590 HUSTAD, T. New fence law—but older fencing obligations are still valid. (No) Norsk Landbruk 12:22-23,37. June 17,1966. 11 N8122
- 26591 INTER-AMERICAN COMMITTEE FOR AGRICULTURAL DEVELOPMENT. Land tenure conditions and socio-economic development of the agricultural sector: Brazil. Washington, Pan American Union, 1966. 609 p., map. Ref. p.607-609. HD496.I5
- 26592 KLEMPERT, B. Consolidation of holdings in the service of agricultural and industrial development in North Rhine-Westphalia. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(3):480-492, map. 1966. 18 G31
Includes town and country planning.
- 26593 KOPPEJAN, A. W. G. 1960-1965 enumeration of the number of farms. (Du) Landbouwkundig Tijdschr. 78(2):51-52. Feb.1966. 105.2 Or3
- 26594 KOTTKE, M. Changes in farm density in areas of urban expansion. J. Farm Econ. 46(5):1290-1296. Ref. Dec.1966. 280.8 J822
- 26595 KRIEL, A. F. The farmer and his heir. 1. (Af) Wynboer 408:4-6. Sept.1965. 390.8 W724
- 26596 MAUNDER, A. H. Some consequences of farm amalgamation. Westminster Bank Rev. Nov. 1966:57-63. 286.8 W52
- 26597 METCALFE, C. B. Your farm lease contract. Rhodesia Agr. J. 62(6):114-116. Nov./Dec. 1965. 24 R34
- 26598 PETIT LAURENT. The restructuring of farms by the advancement of life annuities for people leaving agriculture. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):761-769. June 15/22,1966. 14 P215Bc
Includes consolidation of holdings.
Includes discussion.
- 26599 RAO, T. V. S. Land legislation in Andhra Pradesh (1800-1950). Gokhale Inst. Polit. Econ. J. 8(3):320-349. (Cont.) Sept.1966. 280.9 G56A
Tenure.
- 26600 RULLIERE, G. New situations in the domain of land ownership: land development. (Fr) Co-operation 36(9):8-24. Sept.1966. 280.2 C7845
English summary; p.6.
- 26601 SCHOLTENS, J. P. J. The administration of laws in consolidation of holdings. (Du) Pacht 25(10):222-226. Oct.1965. 282.8 P11
- 26602 SZEMBERG, A. Changes in agrarian structure in 1963-1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 487:10-26, map. Oct.28,1966. (JPRS 38,375; TT 66-34801) 173 J663Stc
Farm number and size and inheritance repayments in Poland.
Translation from Nowe Drogi 10:41-53. Oct. 1966.
Issued by CFSTI.
- 26603 THOME, J. R. The Bolivian agrarian reform: The need for a faster title distribution process. Wis. Univ. Land Tenure Cent. Newsletter. 24:23-33. Aug./Oct.1966. 282.9 W753
- 26604 THOMPSON, F. M. L. The social distribution of landed property in England since the sixteenth century. Econ. Hist. Rev. (ser.2)19(3):505-517. Dec.1966. 277.8 Ec7

- 26605 TORRES, D., OLIVEIRA, J. DE, and FUINHAS, A. Future development of use of forage production in common. (Por) Port. Junta Colon. Intern. Temas Econ.-Soc. Agr. Resumo Textos Inform. 42:55-69. June 1966. 281.9 P834 Includes land tenure.
- 26606 WIESE, H. Farmer inheritance compensation customs in Lower Saxony; a contribution to the outline of the law on changing of the inheritance regulation. (Ge) German. Bundesmin. Ernährung. Landwirt. Forsten, Ber. Landwirt. (n.s.) 44(2):270-290. Ref. 1966. 18 G31
- 26607 ZWICK, C. J. Fees and charges as tools of public policy. J. Range Manage. 19(5):243-245. Sept. 1966. 60.18 J82
U. S. Government's policy on grazing fees.
- Land Utilization
- 26608 ALFONS, H. The economic effect of using marginal lands for agriculture. (Ge) Forderungsdienst 14(8):265-270. Aug. 1966. 19 F75 Austria.
- 26609 ALLEE, D. J. Changing use of rural resources. J. Farm Econ. 48(5):1297-1305. Ref. Dec. 1966. 280.8 J822
Includes the rural-urban fringe.
- 26610 ANAGNOSTOPOULOS, D. Contribution to land classification in Konitsa, Zagora, Metsovon and Grevena regions. (Gre) Dassiika Chron. 8(11):493-503. Nov 1966. 99.8 D263
- 26611 AUSTRALIA, BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIAN OFF. Western Australia: rural land utilization, season 1965-66. Perth, 1966. 9 p. 271.7 C333R
- 26612 BAKER, A. R. H. Evidence in the "Nonarum Inquisitiones" of contracting arable lands in England during the early fourteenth century. Econ. Hist. Rev. (ser.2) 19(3):518-532, map. Dec. 1966. 277.8 Ec7
Causes for abandonment of arable land.
- 26613 CALIFORNIA, DEPT. OF WATER RESOURCES. Land and water use in Eel River hydrographic unit. Volume I-III. Calif. Dep. Water Resources. Div. Resources Planning. Bull. 94-8.3 v., map. Aug. 1965. 290.9 C123
V. I, Text; v. II, Plate 2: Land and water use; v. III, Plate 3: Classification of lands.
- 26614 DANILOV, I. Governmental policies. (Rus) Zemledelie 11:47-49. Nov. 1966. 20 Z44
Utilization of agricultural land by industry.
- 26615 FAMULARO, N. In search of a new system; indifference of owners and urbanistic legislation. (It) G. Agr. 76(48):513. Nov. 27, 1966. 16 ItG
- 26616 FRANCE, DIRECTION DE LA DOCUMENTATION. L'aménagement touristique du littoral du Languedoc-Roussillon (Tourist use of the Languedoc-Roussillon coast). France. Dir. Doc. Notes Etudes Doc. 3326, 71 p., map. Oct. 13, 1966. 280.9 F843
Includes a section on land policy.
- 26617 FRAUENDORFER, R. Considerations on the use for forestry of lands no longer used for agriculture. (Ge) Forderungsdienst 14(8):270-274. Aug. 1966. 19 F75
Forestation of marginal lands in Austria.
- 26618 GROTEWOLD, A., and SUBLETT, M. D. The effect of import restrictions on land use: the United Kingdom compared with West Germany. Econ. Geogr. 43(1):64-70. Jan. 1967. 278.8 Ec7
- 26619 HOVDE, O. A survey of the marshland inventories of Trondelag Province. (No) Norske Myrseisk. Medd. 64(5):114-126. Oct. 1966. 11 N813
- 26620 KREISL, R. The importance of marginal agricultural lands for forestry. (Ge) Forderungsdienst 14(8):278-280. Aug. 1966. 19 F75 Austria.
- 26621 KUHN, A. The socio-technological problems of space research. (Ge) Raumforsch. Raumordnung 23(3):149-158. Ref. Nov. 1965. 282.9 R19
- 26622 LABURU, C. R. DE. Land use in the semi-arid region of Spain. (Fr) Mediterranea 12:277-283. Oct./Dec. 1966. 281.8 M462
English summary.
- 26623 MANUEL, F. Protection of nature. (Fr) Ann. Agr. 6:75-80. 1966/1967. 17 An73
In Switzerland; land use.
- 26624 NANDAN, R. Land capability classification in a canal irrigated area of the Patna district (Bihar). J. Soil Water Conserv. India 14(1/2):33-38, map. Jan./June 1966. 56.8 J824
- 26625 ONICA, P. Considerations concerning arable land in agricultural statistics. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 503:27-35. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663St
Translation from Revista de Statistica 15(9): 15-22. Sept. 1966.
Issued by CFSTI.
- 26626 PINNEY, L. Land problems and policies in the urban fringe. Okla. Curr. Farm Econ. 39 (4):67-73. Dec. 1966. 100 Ok4
- 26627 RAGHUNATH, B., DAS, D. C., and NARAYANA SWAMY, S. A simple formula for calculation of area lost for cultivation due to bench terracing. J. Soil Water Conserv. India 14(1/2): 12-17. Jan./June 1966. 56.8 J824
- 26628 RAMOS FERNANDEZ, A. Greenbelts. (Sp) Montes 22(128):147-148. Mar./Apr. 1966. 99.8 M763
- 26629 RESOURCES FOR THE FUTURE, INC. Annual report for the year ending September 30, 1966. Washington, D. C., 1966. 218 p. 279.9 R31
Includes activities in the field of land use.
- 26630 RISDAL, M. Land classification—a forerunner for a land register. (No) Norsk Skogbruk 11 (17):542. Sept. 1965. 99.8 N815
- 26631 SCHOLZ, H. Precedence of agricultural areas in regional and construction planning. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15(17):559-564, map. Sept. 1965. 280.9 B6431
- 26632 SECKLER, D. W. On the uses and abuses of economic science in evaluating public outdoor recreation. Land Econ. 42(4):485-494. Nov. 1966. 282.8 J82
- 26633 SNYDER, J. H. Toward land use stability through contracts. Natur. Resources J. 6(3): 406-423. Ref. July 1966. L9 N19
Voluntary contracts between land owner and government under the California Land Conservation Act of 1965.
- 26634 THAI-CONG-TUNG. Natural environment and land use in South Vietnam. Saigon, Directorate of Agricultural Research, 1966. 117 p. Ref., p. 114-117. S471.V5T5
- 26635 VOUGA, J. P. Land management. (Fr) Ann. Agr. 6:7,9-10. 1966/1967. 17 An73
In Switzerland.
- 26636 ZHARIKOV, YU. Observing legislation. (Rus) Zemledelie 11:43-46. Nov. 1966. 20 Z44
In utilization of agricultural land by industry.
- Land Values and Valuation
- 26637 LARSEN, A. A study of increasing land values in U.S.A. (Da) Tolvmandsbladet 38(10):537-542. Oct. 1966. 11 T58
- 26638 MADEC, J. Land, a badly understood market. (Fr) Paysans 10(60):91-94. June/July 1966. 14 R323
Purchase, prices, and the amount of agricultural land.
- 26639 MARTIN, W. E. Relating ranch prices and grazing permit values to ranch productivity. J. Range Manage. 19(5):248-252. Ref. Sept. 1966. 60.18 J82
Cattle.
- 26640 NEUTEBOOM, J. D., and BERENDS, J. C. Increasing farm size through land purchase. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23 (5):155-158. May 1966. 12 N383M
Discusses farm returns from larger-scale operations.

- 26641 PFEIFER, H. The misuse of freedom of bidding. (Ge) *Recht Landwirt.* 18(11):286-288, Nov. 1966. 30.58 R24
Land transfers.
- 26642 SCHUTTE, F. Further development of land evaluation results. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(41):1545-1546, 1548, 1550. Oct. 13, 1966. 18 N39

POPULATION

- 26643 BANKS, V. J., MANNY, E. S., and LERAY, N. L. Research data on minority groups; an annotated bibliography of Economic Research Service reports, 1955-1965. U. S. D. A. Misc. Publ. 1046, 25 p. Nov. 1966. 1 Ag84M
- 26644 BEEGLE, J. A. Social structure and changing fertility of the farm population. *Rural Sociol.* 31(4):415-427. Ref. Dec. 1966. 281.28 R68
- 26645 BONTRON, J. C., and MATHIEU, N. Agricultural population; development in the course of the Fifth Plan. (Fr) *Paysans* 10(60):23-32, June/July 1966. 14 R323
- 26646 MARKER, G. A. Internal migration and economic opportunity: France 1872-1911. *Amer. Statist. Ass. Soc. Statist. Sect. Proc.*, 1966:226-237. 280.9 Am364
Rural-urban.
Includes discussion.
- 26647 PETRONI, V. The rural population is undergoing profound changes. (It) *G. Agr.* 76(46):497, Nov. 13, 1966. 16 RG
Analysis of statistics.
- 26648 TARVER, J. D., and BLACK, T. R. Making county population projections—a detailed explanation of a three-component method, illustrated by reference to Utah counties. *Utah Agr. Exp. Sta. Bull. (Tech.)* 459, 97 p. Ref. June 1966. 100 U1
Oklahoma State University Research Foundation, cooperating.

RURAL SOCIAL ORGANIZATION

- 26649 AGRARSOZIALE GESELLSCHAFT, GOTTINGEN. ASG 66; Arbeitsbericht [Agricultural Society 66; report of activities]. Göttingen, 1966. 24 p. 281.9 Ag862A
- 26650 AMERICAN STATISTICAL ASSOCIATION. SOCIAL STATISTICS SECT. Proceedings, 1966. Washington, 1966. 503 p. 280.9 Am364
- 26651 JUNOD, R. Social charter for agriculture. (Fr) *Ann. Agr.* 6:19-21. 1966/1967. 17 An73
Policies for farmers' social welfare in Switzerland.
- 26652 LANDSBERG, L. Schlesiens Dorfer; eine Studie der gesellschaftlichen Verhältnisse, insbesondere der Lebensverhältnisse der Landarbeiter [Silesia's villages; a study of social conditions, especially living conditions of agricultural workers]. *Agrarsoz. Ges. Materialsamm.* 56, 46 p. Nov. 1966. 281.9 Ag862M
- 26653 OESER, H. Problems of cultural life in the countryside. (Ge) *Berlin. Humboldt-Universität. Z. Math. Naturwiss. Reihe* 15(4):649-652, 1966. 509 B453
- 26654 RICHARD, H. Chemistry and society. II. The social consequences of the development of agricultural chemistry. *Impact Sci. Soc.* 16(3):153-171. 1966. 241.5 Im7
With emphasis on fertilizer development.
- 26655 SUZUKI, P. Peasants without plows: some Anatolians in Istanbul. *Rural Sociol.* 31(4):428-438. Ref. Dec. 1966. 281.28 R88
Cultural adaptation to urbanism.

Human Ecology

- 26656 BOUTTEFEUX, F. Agricultural prospects and regional planning. (Fr) *Rev. Agr. [Brussels]* 19(10):1107-1113. Oct. 1966. 13 R322
- 26657 ENDEN, G. VAN DEN. Regional planning and agriculture. (Fr) *Rev. Agr. [Brussels]* 19(10):1087-1093. Oct. 1966. 13 R322

- 26658 GRUNBERG, H. Villages, their present utilization and socialist reconstruction. (Ge) *Berlin. Humboldt-Universität. Z. Math. Naturwiss. Reihe* 15(4):639-641. 1966. 509 B453
- 26659 HUBER, K. H. Future settlement structure and its relations to agriculture. (Ge) *Diplomlandwirt* 16(12):289-291. Dec. 1966. 18 D62
Small communities in regional planning.
- 26660 KNETSCH, J. L. Economic aspects of environmental pollution. *J. Farm Econ.* 48(5):1256-1266. Dec. 1966. 280.8 J822
Includes discussion by M. M. Tharp.
- 26661 MISSOURI BASIN INTER AGENCY COMMITTEE. Annual programming report, fiscal years 1966-1968. Lincoln, Nebr., 1966. various paging. 173 M69A
Includes the U. S. Department of Agriculture.
- 26662 THILSEN, W. Unique men, uniform landscape. (Dl) *Ned. Heidemaatsch. Tijdschr.* 77(5):196-202. May 1966. 12 N282
Agricultural.
- 26663 U. S. TENNESSEE VALLEY AUTHORITY. Annual report for the fiscal year ended June 30, 1966. Muscle Shoals, Ala., 1966. various paging. 173 T25A
- 26664 VANWELDEN, M. Problematics of regional planning. (Fr) *Rev. Agr. [Brussels]* 19(10):1079-1085. Oct. 1966. 13 R322

Institutions

- 26665 AXELSSON, C. E. We ought to guide agricultural production. (Sw) *SL-kontakt* 2:11-13. 1966. 11 Sv28S
Advisory services by farm cooperatives.
- 26666 AYBAR, A. Community development. (Sp) *Agricultura [Santo Domingo]* 434/435:13-14, 25-26, 33. July/Aug. 1966. 8 R323
Education in the Dominican Republic.
- 26667 BEDI, I. S., and CHAND, W. Impact of immigrants on weaving industry in an Assam village. *Agr. Situation India* 21(4):201-205. July 1966. 281.9 In23
- 26668 BORRIES, R. VON. Farmers as communal politicians. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(43):1589-1590. Oct. 27, 1966. 18 N39
- 26669 BROWN, L. A., and BELCHER, J. C. Residential mobility of physicians in Georgia. *Rural Sociol.* 31(4):439-448. Ref. Dec. 1966. 281.28 R88
- 26670 CHAPMAN, J. R. Oak Glen—a training camp for unemployed youth. U. S. Office Manpower Policy Evaluation Res. Manpower/Automation Res. Monogr. 5, 67 p. May 1966. 158.31 M314
- 26671 COVAR, P. R. Typologies of action-research in the U. P. [University of the Philippines] College of Agriculture. *Philippine Agr.* 49(6/7):524-539. Ref. Nov./Dec. 1965. 25 P542
Rural development and extension work.
- 26672 DILLON, J. L. Education—research and extension. *S. Australian Dairymen's J.* 6(2):1-4, 7-9. Sept./Oct. 1966. 44.8 S086
- 26673 GRAF, W. Effects of differentiation and integration processes in agriculture on training. (Ge) *Berlin. Humboldt-Universität. Z. Math. Naturwiss. Reihe* 15(4):589-590. 1966. 509 B453
- 26674 GRAFFUNDER, S. Common action in agricultural policy of Social Democrats and Communists in West Germany. (Ge) *Z. Agrarök.* 9(3):115-123. Ref. 1966. 281.8 Z3
- 26675 GRETILLAT, S. The use of molluscicides in the control of bilharzia in Senegal. *Agr. Vet. Chem.* 7(3):61-64. May/June 1966. 382 Ag82
- 26676 HAEGGBLOM, S. Objectives of the extension worker. (Sw) *Hushallningssällsk. Tidskr.* 32(8):181-182. 1965. 11 H9522
- 26677 HAKELUIS, O. Production advisory service by the cooperative movement. (Sw) *SL-kontakt* 2:2-6. 1966. 11 Sv28S

- 26678 HALDEMAN, W. L. Correspondence courses have served over 200,000 and currently reach 30,000. *Sci. Farmer [Penn. Sta.]* 14(1):13. Fall 1966. 100 P381S
- 26679 HENDERSON, H. A., and BOND, B. J. Evaluating development programs. *J. Coop. Ext.* 4(4): 233-239. Ref. Winter 1966. 275.28 J82
- 26680 KLATZMANN, J. An examination of his conscience by a professor at the Mediterranean Agriculatural Institute of Montpellier [Institut Agronomique Mediterranee de Montpellier]. (Fr) *Mediterranea* 12:248-255. Oct./Dec. 1966. 281.8 M462
English summary.
- 26681 KNABE, H., and ZUNK, S. The development of health and medical care of the rural population. (Ge) *Berlin. Humboldt-Univ. Wiss., Z. Math. Naturwiss. Reihe* 15(4):645-647. 1966. 509 B453
- 26682 KOCH, A. R. A method used to evaluate the effectiveness of the college teacher. *J. Farm Econ.* 48(5):1607-1612. Dec. 1966. 280.8 J822
- 26683 KREUZIGER, E. Photos call for order! (Ge) *Forderungsdienst* 14(7):237-239. July 1966. 19 F75
- 26684 KROMM, C. P. Higher effectivity in the basic and special education by teaching technology. (Ge) *Berlin. Humboldt-Univ. Wiss., Z. Math. Naturwiss. Reihe* 15(4):585-586. 1966. 509 B453
In agriculture.
- 26685 KROONTJE, W. On higher education, agriculture, and soil science in Turkey. *Agron. J.* 58 (6):639-642. Ref. Nov./Dec. 1966. 4 Am34P
- 26686 KURZE, G. Our district and regional offices must become information centers for agriculture. (Ge) *Statist. Praxis* 20(12):485-488. Dec. 1965. 251.3 S125
State Central Administration for Statistics (Statistische Verwaltung für Statistik) of East Germany.
- 26687 LACKAMP, J. W. On the education of agricultural technicians. (Du) *Landbouwkundig Tijdschr.* 78(2):61-63. Feb. 1966. 105.2 Or3
At the Wageningen Landbouwhogeschool.
- 26688 LANGEHEINE, R. From the Federal Territory of Niedersachsen. (Ge) *Ausbildung Beratung Land- Hauswirtsch.* 19(8):149-153, 157. Aug. 1966. 18 N11
Agricultural education.
- 26689 LAZUTKIN, E. Non-agricultural production to improve living standards in rural areas. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 142:24-28. Nov. 3, 1966. (JPRS 38,471; TT 66-34896) 173 J663Tou
Translation from *Sovetskaya Rossiya*, Sept. 2, 1966:3.
Issued by CFSTI.
- 26690 LELE, K. Local government in India. Cornell Int. Agr. Develop. Bull. 7, 39 p. Feb. 1966. 281.8 C813
- 26691 LIBBY, W. Agri. colleges have gone through some disturbing experiences as farmers. *New Engl. Dairyman* 51(1):14-15, 17-18. Jan. 1967. 44.8 N44
- 26692 MACLUSKY, D. S. Agricultural education in Malaysia and America. *Malayan Agr.* 5:89-95. 1964/65. 22.5 K952
Higher.
- 26693 MAIER, E., and SABEL, A. Furtherance of farm home economics in Baden-Wurtemberg. (Ge) *Ausbildung Beratung Land- Hauswirtsch.* 19(8):147-149. Aug. 1966. 18 N11
Extension work.
- 26694 MARSH, S. A., and KNOX, A. B. Information seeking and adult education. *J. Coop. Ext.* 4(4): 213-222. Winter 1966. 275.28 J82
A study in Nebraska of women as participants in adult education and users of mass media as sources of information.
- 26695 MATSCHKE, H. The situation of agricultural training in West Germany. (Ge) *Berlin. Humboldt-Univ. Wiss., Z. Math. Naturwiss. Reihe* 15(4):597-601. Ref. 1966. 509 B453
- 26696 MOON, P., and CROOKS, P. B. Improving agent selection. *J. Coop. Ext.* 4(4):229-232. Winter 1966. 275.28 J82
- 26697 NAIK, K. C. Trained technical manpower for modern agriculture. *Mysore Econ. Rev.* 51 (7/8):29-31, 33. 1966. 280.8 M994
- 26698 OSTROVSKY, M., and PALASTHY, E. Research, education and effective management of agricultural enterprises. (Cz) *Pol'nohospodarstvo* 12(9):683-688. 1966. 19.5 P752
- 26699 PEPOON, L., and SHULTZ, J. A. Books for children under six. *Ill. Univ. Ext. Circ.* 952, 4 p. Nov. 1966. 275.29 I62C
- 26700 PERK, A. Notes on agricultural training in rural areas of developing countries. *Neth. J. Agr. Sci.* 14(4):239-250. Nov. 1966. 12 N3892
- 26701 POWELL, K. S. Child care provided by mothers in South Carolina. *S. C. Agr. Exp. Sta. Bull.* 529, 45 p. Ref. July 1966. 100 S08
School of Home Economics, Winthrop College, Rock Hill, South Carolina, cooperating.
- 26702 QUEBEC. SERV. DE L'ENSEIGNEMENT AGRICOLE. Institut de Technologie Agricole, Ville La Pocatiere, Quebec; annuaire general [Institute of Agricultural Technology, Ville La Pocatiere, Quebec; general annual] 1963-64. Quebec, 1965. 4 p. 101 Q323
- 26703 RHEINWALD, H. Agricultural extension—a task of adult education? (Ge) *Ausbildung Beratung Land- Hauswirtsch.* 19(8):160-162. Aug. 1966. 18 N11
- 26704 RURAL INDUSTRIES BUR. Annual report 1965/66. London, 1966. 39 p. 281.9 R88R
- 26705 SACHSE, R. Immediate tasks and working method of the district institutes to implement the new economic system of planning and guidance in agriculture. (Ge) *Z. Agrarökonom.* 9(3): 151-162. 1966. 281.8 Z3
Farmer education in East Germany.
- 26706 SALA-ESCOLIES, E. Professional education and agricultural technique. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(2):26-27. Feb. 1966. 15 Sa5
- 26707 SCHROEDER, W. L. Adults can and must learn: society demands that adults believe in and become fully engaged in continuing learning. *J. Coop. Ext.* 4(4):205-212. Winter 1966. 275.28 J82
- 26708 TEXAS EDUCATION AGENCY. DIV. OF VOCATIONAL EDUCATION. Directory of vocational agriculture teachers 1966-67. Austin, 1966. 31 p. 225 T31922
- 26709 TUOMINEN, O. The industrial structure in thickly populated sites and rural areas of Finland. (Fi) *Terra [Helsinki]* 77(2):54-61, map. 1965. 20 T272
German summary.
- 26710 U. S. BUR. OF OUTDOOR RECREATION. Federal focal point in outdoor recreation. Washington, 1966. 75 p. GV53.A5
- 26711 VAN DER BOOM, N., and MOORE, A. Facts about funerals. *S. Dak. State Univ. Ext. FS* 319, 5 p.-folder. Ref. Aug. 1966. 275.29 S085Fs
- 26712 VIOLANI, A. M. The importance of professional instruction for rural young women. (It) *Romagna Agr. Zootec.* 51(10):371-372. Oct. 1966. 16 R66
- 26713 WEINREICH, H. J. The development of agricultural colleges of the German Democratic Republic—an example of successful college policy of the Socialist Unity Party of Germany. (Ge) *Z. Agrarökonom.* 9(4):180-184. Ref. 1966. 281.8 Z3
- 26714 WILHELM, F. The cares of the extension worker. (Ge) *Übersicht* 17(8):635-640. Aug. 13, 1966. 18 U63
- 26715 WINKLER, C. Development of instruction and research in agricultural faculties. (Ge) *Z. Agrarökonom.* 9(7):339-347. 1966. 281.8 Z3
East Germany.

- 26716 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. A citizenship activity for Wyoming 4-H Clubs: know your government; phase: Federal. Wyo. Univ. Ext. [4-H Club. Circ.] CZ-15-66, 10 p. Feb. 1966. 275.29 W99Fc
- 26717 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Report: know your government; phase: Federal. Wyo. Univ. Ext. [4-H Club. Circ.] CZ-15a-66, 20 p. Feb. 1966. 275.29 W99Fc
- 26718 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming ropecraft record & story book. Wyo. Univ. Ext. [4-H Club. Circ.] RC-5a-66, 7 p. 1966. 275.29 W99Fc
- 26719 ZINK, E. M., and HERRMANN, L. S. E. Small, but organized libraries. (Por) *Agronomico* 17 (9/10):21-32. Sept./Oct. 1965. 9.2 Ag694
- 26720 ZURCHER, L. A. A psychologist encounters extension. J. Coop. Ext. 4(4):197-204. Winter 1966. 275.28 J82
Extension work as a profession; includes teaching.
- Leadership**
- 26721 CUNNINGHAM, C. J. Dimensions of leader behavior. J. Coop. Ext. 4(4):223-228. Winter 1966. 275.28 J82
- 26722 LINDENAU, H. Mathematical and cybernetical education of leaders in the various types of agricultural training. (Ge) Berlin, Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):583-584. 1966. 509 B453
- 26723 MCKINSTRY, M., and HARRISON, L. R. Wyoming junior leadership manual. Wyo. Univ. Ext. [4-H Club. Circ.] JL-5-66, 9 p. June 1966. 275.29 W99Fc
- 26724 NICHOLLS, J. M., and MARSTON, B. Wyoming 4-H leader's manual. Wyo. Univ. Ext. [4-H Club. Circ.] G-1-66, 51 p. June 1966. 275.29 W99Fc
- Rural Organizations and Movements**
- 26725 APPAIYA, M. M. 73rd UPASI [United Planter's Association of Southern India] annual conference, 27th August, 1966; presidential address. *Planters' Chron.* 61(17):359-365. Sept. 1, 1966. 22 P693
- 26726 BHAGWANDAS, N. The Association of Planters of the State of Madras. *Planters' Chron.* 61(17):371-375. Sept. 1, 1966. 22 P693
- 26727 BOERENBOND BELGE. Rapport sur l'exercice 1965 [Report on the 1965 season]. Leuven, 1966. 100 p. 13 B63
- 26728 BUTTRESS, F. A. World list of abbreviations. Ed. 3. London, Hill, 1966. 186 p. Ref. AS8.B8
Previous edition has title: World List of Abbreviations of Scientific, Technological, and Commercial Organizations.
Includes agricultural organizations.
- 26729 GRIESSNER, I. Functions and activity of farmer professional representation over the years. (Ge) *Agr. Rundsch.* 1:3-7. Feb. 1966. 280.8 Ag82
- 26730 HUNEK, T. Factors for profitable management of agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 483:19-34. Oct. 27, 1966. JPRS 38,350; TT 66-34776 173 J663Ste
Poland.
Translation from Nowe Rolnictwo 15:5-9. Aug. 1/15, 1966.
Issued by CFSTI.
- 26731 LAURENT, A. The Chambers of Agriculture among professional organizations. (Fr) *Paysans* 10(60):33-40. June/July 1966. 14 R323
- 26732 MARSTON, B. W. Making model meetings: a manual for Wyoming 4-H Club officers. Wyo. Univ. Ext. [4-H Club. Circ.] G-47-66, 16 p. Mar. 1966. 275.29 W99Fc
- 26733 MAUREL, F. Producers' groups do not have an easy task. (Fr) *Paysans* 10(60):101-104. June/July 1966. 14 R323
- 26734 MICHIGAN STATE GRANGE. Journal of proceedings. 93rd annual session, Allegan, October 19, 20, 21, 22, 1966. n.p., 1966. 60 p. 4 M581
- 26735 NICHOLLS, J. M., CROFT, J., and HARRISON, L. R. 4-H contests, awards, & recognitions; State and National 100 awards, 1966. Wyo. Univ. Ext. [4-H Club. Circ.] G-19-66, 36 p. May 1966. 275.29 W99Fc
- 26736 NUGENT, W. T. K. Some parameters of Populism. *Agr. Hist.* 40(4):255-270. Oct. 1966. 30.98 Ag8
- 26737 ROYAL AGRICULTURAL SOCIETY OF ENGLAND. Report of the council to the annual general meeting of governors and members of the society, 1966. London, 1966. 30 p. 10 R81R
- 26738 SALOUTOS, T. The professors of the Populists. *Agr. Hist.* 40(4):235-254. Ref. Oct. 1966. 30.98 Ag8
Evaluations of the movement.
- 26739 SIVAPPA, D. The Mysore State Planters' Association. *Planters' Chron.* 61(22):474-478. Nov. 15, 1966. 22 P693
- 26740 SPERLING, G. 20 years Association of Mutual Farmers Aid as expression of the policy of alliance of the Socialist Unity Party of Germany and the new functions of the farmers trade cooperatives in the frame of social division of labor. (Ge) *Z. Agrarök.* 9(4):184-193. 1966. 281.8 Z3
- 26741 SWITZERLAND. BAUERNSEKRETARIAT. Protokoll der Verhandlungen der 30. ordentlichen Delegiertenversammlung, des 30. März 1966, im Kursaal, Bern [Minutes of the debates of the 39th regular assembly of delegates, March 30, 1966, at the Kursaal, Bern]. Union Suisse Paysans. Publ. 179, 48 p. 1966. 17 Se2
Text partly in French, German, and Italian.
- 26742 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H films. Wyo. Univ. Ext. [4-H Club. Circ.] G-13-66, 13 p. 1966. 275.29 W99Fc
Bibliographies.
- 26743 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Photography record book, Unit IV. Mastering photography. Wyo. Univ. Ext. [4-H Club. Circ.] Ph-20a-66, 77 p. Mar. 1966. 275.29 W99Fc
- 26744 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Reference list for requesting 4-H Club kits. Wyo. Univ. Ext. [4-H Club. Circ.] G-46-66, 15 p. 1966. 275.29 W99Fc
- 26745 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming 4-H Club projects and activities, purposes and requirements. Wyo. Univ. Ext. [4-H Club. Circ.] G-15-66, 30 p. June 1966. 275.29 W99Fc
- 26746 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming 4-H rules, standards, policies, regulations. Wyo. Univ. Ext. [4-H Club. Circ.] G-4-66, 9 p. Oct. 1966. 275.29 W99Fc
- 26747 ZURCHER LANDWIRTSCHAFTLICHER KANTONALVEREIN. Jahresbericht [Annual report] 1964. Zurich, Bauernsekretar. Mitt. 22, 84 p. 1965. 17 Z8
Zurich Bauernsekretariat, cooperating.
- Cooperative Organizations**
- 26748 BAILEY, J. M. Two supply cooperatives serving low-income farmers; a preliminary analysis in Appalachia. U. S. Farmer Coop. Serv. Gen. Rep. 138, 19 p. Nov. 1966. A280.29 F22G
- 26749 CHRISTENSEN, J. D. Cooperation of cooperative organizations and structural changes of the movement. (Da) *Maelkeritidende* 79(46):991-996. (Cont.) Nov. 18, 1966. 44.8 M26

- 26750 DAVIDSON, D. R. Methods and policies used in making patronage refunds by selected farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rep. 137,22 p.,map. Oct.1966. A280.29 F22G
- 26751 CORST, S. M. The structure of the French co-operative movement. Rev. and rewritten by P. Willson. London, 1965. 32 p. (Plunkett Foundation for Co-operative Studies. Occasional Paper No. 10) HD1491.F86G
- 26752 LARSSON, U. Look upon agricultural cooperation as a working place. (Sw) SL-kontakt 2:21-25,27. 1966. 11 Sv28S
Teaching of cooperative personnel.
- 26753 LUZ, F. Cooperatives and agrarian structure in Latin America. (Por) Arco-Iris 15(104):13. Oct.1966. 280.28 Ar2
In agrarian reforms.
- 26754 MELANDER, A. Cooperation needed for the solution of data problems. (Sw) SL-kontakt 4: 4-7. 1965. 11 Sv28S
Data processing equipment in accounting for farm cooperatives.
- 26755 OLSON, B. How to use the data machine. (Sw) SL-kontakt 4:9-12. 1965. 11 Sv28S
In accounting for farm cooperatives.
- 26756 REINTHALER, F. Growth and present position of rural cooperation in Austria. Rev. Int. Coop. 59(5):231-234. Sept.1966. 280.28 In8B
- 26757 RUSSELL, M. J. Cooperation in the Canadian Prairie Provinces. Rev. Int. Coop. 59(5):254-257. Sept.1966. 280.28 In8B
- 26758 SAUVAGE, A. The economic training of administrators of agricultural cooperatives. (Fr) Econ. Agr. 11,i.e.12:19-21. Dec.1966. HD1945.A1E2
- 26759 SKOVBAEK, J. About the technical work of the Danish Federation of Agricultural Associations [Samvirkende Danske Landboforeninger]. (Da) Dansk Landbrug 85(12):333-335. Dec.1966. 280.28 V91
Cooperatives.
- 26760 WEIMA, W. Profit maximization of agricultural cooperatives and their membership operations. (Du) Econ.-Statist. Ber. 51(2370): 1241-1243. Nov.30,1966. 280.8 Ec722
- 26761 WILLSON, P. The co-operative movement in West Germany. Rev. ed. London, 1965. 26 p. (Plunkett Foundation for Cooperative Studies. Occasional Paper No. 13). HD1491.G3W5

RURAL SOCIAL PSYCHOLOGY

- 26762 BUSTRILLOS, N. R., and AREZA, R. B. Levels of aspirations of Barrio families in Laguna. Philippine Agr. 49(6 7):499-511. Nov./Dec. 1965. 25 P542
- 26763 CAMPBELL, R. R. A suggested paradigm of the individual adoption process. Rural Sociol. 31(4):458-466. Ref. Dec.1966. 281.28 R88
- 26764 FINK, K. Psychology of memory and the learning process: pedagogical consequences. (Ge) Forderungsdienst 14(6):198-204. Ref. June 1966. 19 F75
- 26765 KULLMANN, S. Bridges between city and country. (Ge) Raiffeisen-Rundschau 18(2): 42-43. Feb.1966. 284.28 R132
- 26766 MOULIK, T. K., HRABOVSKY, J. P., and 'AO, C. S. S. Predictive values of some factors of adoption of nitrogenous fertilizers by North Indian farmers. Rural Sociol. 31(4): 467-477. Ref. Dec.1966. 281.28 R88
- 26767 SHULTZ, J. A. Children's behavior. Ohio. State Univ. Ext. Bull. 477,12 p. Aug.1966. 275.29 Oh32
- 26768 TAGUMPAY-CASTILLO, G. Toward understanding the Filipino farmer. Philippine Agr. 49(6 7):423-437. Ref. Nov./Dec.1965. 25 P542
- 26769 WELLS, D. E. Adoption proneness and response to mail questionnaires. Rural Sociol. 31(4):483-487. Ref. Dec.1966. 281.28 R88

TRADE, FOREIGN AND INTERNATIONAL

- 26770 ASCHINGER, F. E. The experience of the European Free Trade Association. (Fr) Rev. Econ. Franco-Suisse 4:34-36. 1966. 287 Sw6
- 26771 AUSTRALIA. WINE BOARD. Thirty-eighth annual report, year 1965-1966. Adelaide, 1966. 18 p. 390.9 Au72
Trade and trade promotion.
- 26772 BAUM, R. K. Development of the wheat market in Japan. U. S. Agr. Res. Serv. ARS-74-35:20-27. Apr.1966. A381 R31Ab
- 26773 BERGMANN, W. New estimation of the volume of foreign trade and foreign trade indices in the 1962 base. (Ge) Wirtsch. Statist. 10:620-627. Oct.1966. 265 St22
- 26774 BETTS, D. L. Promoting consumption of Indian tea in U.K. Planters' Chron. 61(20): 427-429. Oct.15,1966. 22 P693
- 26775 BIGUM, J. Production and marketing conditions in the most important export and import areas for beef. (Da) Tolvmandsbladet 38(10): 518-524. Oct.1966. 11 T58
- 26776 BLAISIS, J. M. Europe, new frontier. (Fr) Paysans 10(60):7-21. June/July 1966. 14 R323
On the common agricultural market.
- 26777 BLAKE, R. C. The unprofitable export egg market. EMB (Egg Marketing Board) Bull. 6 (10):39-40,43. Oct.1966. 280.38 Eg3
- 26778 BOCK, F. Austria's efforts with reference to a European integration. (Ge) Agr. Rundsch. 1:9-14. Feb.1966. 280.8 Ag82
Includes Austrian trade.
- 26779 BONDO-ANDERSEN, A. The grain economy of the world. (Da) Dansk Landbrug 85(11): 319-321. Nov.1966. 280.28 V91
Chiefly trade.
- 26780 BRYAN, H. C. Pakistan needs food imports despite agricultural progress. Foreign Agr. Incl. Foreign Crops Markets 4(52):6. Dec.26, 1966. A281.9 F76Fo
- 26781 CANADA. BOARD OF GRAIN COMMISSIONERS. Canadian grain exports, crop year, 1965-66. Ottawa, 1966. 35 p. 286.3599 C162D
- 26782 CANADA. DEPT. OF TRADE AND COMMERCE. Annual report, 74th, 1965. Ottawa, 1966. 105 p. 253 T87R
- 26783 CHAUDHRI, S. C. Devaluation and agriculture. Agr. Situation India 21(5):269-272. Aug.1966. 281.9 In23
In relation to trade.
- 26784 CHRISTENSEN, J. Agricultural results in EFTA; retrospect and prospects for Danish agriculture. (Da) Tolvmandsbladet 38(1):6-9. Jan.1966. 11 T58
Chiefly export of agricultural products in Denmark.
- 26785 CHRISTENSEN, J. D. Marketing of swine. (Da) Tolvmandsbladet 38(1):18-24. Jan.1966. 11 T58
Chiefly export.
- 26786 CORLEY, J. R. The European Economic Community: agricultural imports and exports. Foreign Agr. Trade U. S., Jan.1967:5-23. A286.9 Ag8
- 26787 COSTA RICA. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Comercio exterior de Costa Rica [Foreign trade of Costa Rica], 1965. San Jose, 1966. 339 p. 254 C82Ec
- 26788 CUMMINS, A. D. Livestock exports—some of the difficulties encountered. Brit. Cattle Breeders' Club. Dig. 22:41-46. 1966. 43.9 B775
- 26789 CUNNINGHAM, W. A. Rising living standards enhance prospects for Australian meat exports. Econ. Financ. Surv. Australia 18:63-68. 1965. 280.8 Ec743
- 26790 EGERER, G. The political economy of British wheat, 1920-1960. Agr. Hist. 40(4):295-310. Ref. Oct.1966. 30.98 Ag8
Trade and subsidies.

- 26791 FINLAND. STATISTISKA CENTRALBYRAN. Ulkomankaappa, vuosijulkaisu. Osa I. Foreign trade. Volume I, 1965. Helsinki, 1966. 590 p. (Suomen Virallinen Tilasto I A:85) 267.5 B47H Foreword and table headings also in Swedish.
- 26792 GALAMINI, L. The crisis in our agriculture can be resolved only by correcting the strong lack of market equilibrium. (It) Rass. Agr. Ital. 21(11):15-16. Nov. 1966. 281.8 R18 Trade.
- 26793 GARLANDA, A. Sanitary problems relative to the importation of sucking calves. (It) Nuovo Prog. Vet. 21(19):888,890,892,894. Oct. 15, 1966. 41.8 P942
- 26794 GERISCHER, J. Trade of tree nursery products by the utilization of cooperative relations. (Ge) Obstbau [Berlin] 6(9):140-141. Sept. 1966. 80 Ob79 Fruit.
- 26795 GREAT BRITAIN. CUSTOMS AND EXCISE DEPT. Statistical classification for imported goods and re-exported goods, 1966. London, 1966. 172 p. 256.03 T71
- 26796 GREECE. ETHNIKE STATISTIKE HYPERESIA. Exoterikon emporion tes Hellados, Foreign trade of Greece, 1964. Athenai, 1966. 480 p. 268 G81E
- 26797 GREENHALGH, A. G. The breed society's role in the export field. Brit. Cattle Breeders' Club. Dig. 22:25-30. 1966. 43.9 B775 Includes discussion.
- 26798 HEDGES, B. D. The EEC [European Economic Community] revises its agricultural projections for 1970; updating a basic EEC study has brought new predictions for the future of EEC farm trade. Foreign Agr. Incl. Foreign Crops Markets 4(50):3-5. Dec. 12, 1966. A281.9 F76Fo
- 26799 HODGES, J. Britain's contribution to world cattle production. Brit. Cattle Breeders' Club Dig. 22:15-24. 1966. 43.9 B775 Trade. Includes discussion.
- 26800 HONDURAS. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Comercio exterior de Honduras. Importacion, 1965. Tomo III [Foreign trade of Honduras. Imports, 1965. Volume III]. Tegucigalpa, 1966. p.271-450. 254 H753C
- 26801 JENSEN, G. The canning industry and its future. (Da) Tolvmandsbladet 38(1):25-31. Jan. 1966. 11 T58 Chiefly its relation to export of canned ham and canned bacon.
- 26802 KJAERGAARD, N. Survey of commercial policy. (Da) Nord. Lanbrukssek. Tidsskr. 16(3):95-101. 1966. 281.8 N75 International trade.
- 26803 KREISBERG, J. Okoume—its sources and trade. (Pol) Przem. Drzewny 17(11):27-31. Nov. 1966. 99.82 P95 Chiefly on importing Aucoumea klaineana wood from Africa.
- 26804 KRUEER, G. R. Economic situation in major U. S. agricultural export markets. Foreign Agr. Trade U. S., Jan. 1967:24-34. A286.9 Ag8
- 26805 LOEPER, H. F. VON. Export of Emmental. (Ge) Deut. Milk.-Zeitung 87(46):1955-1956. Nov. 17, 1966. 44.8 Su2
- 26806 MANSHOLT, S. L. New agricultural policy through the Kennedy Round? Common rules for the agricultural policy of the GATT partners. (Ge) Wirtschaftsdienst 46(11):593-596. Nov. 1966. 280.8 W74 Text of an interview.
- 26807 MAZZINI, C. Imports of strawberries into Germany in the last six years. (It) Agr. Ferzese 70(9):174-186. Sept. 30, 1966. 16 Ag87
- 26808 NICARAGUA. RECAUDACION GENERAL DE ADUANAS. Memoria, periodo anual de 1965 [Report of the General Collector of Customs, annual period of 1965]. Managua, 1966. 280 p. 254 N512
- 26809 NORTHERN NIGERIA. MINISTRY OF AGRICULTURE. PRODUCE INSPECTION DIV. Annual report 1964/65. n.p., 1965. 12 p. 280.39 N56 Crop inspection for export.
- 26810 NORTON, E. M. You have a high stake in effective dairy import controls! Hord's Dairyman 111(24):1475,1487. Dec. 25, 1966. 44.8 H65 Includes outlook.
- 26811 NORWAY. STATISTISK SENTRALBYRA. Utenrikshandel, 1965. External trade, 1965. Volume 2. Oslo, 1966. 229 p. 257.2 St2T Table of contents also in English.
- 26812 NORWAY. STATISTISK SENTRALBYRA. Utenrikshandel, 1965. External trade, 1965. Volume III. Oslo, 1966. 268 p. 257.2 St2T Table of contents and some table headings also in English.
- 26813 NOUYRIT, H. Where are the "Kennedy" negotiations? (Fr) Econ. Agr. 11,i.e.12:7-9-15. Dec. 1966. HD1945.A1E2
- 26814 OFFICE BELGE DU COMMERCE EXTERIEUR. Le commerce exterior de l'Union Economique Belgo-Luxembourgeoise en 1965 [The foreign trade of the Belgian-Luxembourg Economic Union in 1965]. Inform. Com. Exterior, Suppl. Ser. C. 3,130 p., map. Aug. 1966. 286.8 In36
- 26815 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Commodity trade; supplement, January-December 1965. Paris, 1966. (Series C) 172 p. 286.9 Or320C Introduction, table of contents, and table headings also in French.
- 26816 PHILLIPS, S. W. How India distributes its immense wheat imports. Foreign Agr. Incl. Foreign Crops Markets 4(50):6-7. Dec. 12, 1966. A281.9 F76Fo
- 26817 PHILLIPSEN, W. L. The foreign market for U.S. dairy products. Foreign Agr. Incl. Foreign Crops Markets 4(52):11. Dec. 26, 1966. A281.9 F76Fo
- 26818 PRITCHARD, D. L. The foreign market for U.S. cotton in 1966-67; with U.S. cotton more competitive in world markets and smaller supplies available for export in other countries, U.S. exports should mount sharply. Foreign Agr. Incl. Foreign Crops Markets 4(50):8-9. Dec. 12, 1966. A281.9 F76Fo
- 26819 PRODUKTSCHAP VOOR SIERGEWASSEN. Jaarverslag [Annual report of the Board for the Production of Ornamentals], 1965. s-Gravenhage, 1966. 85 p. 86 P94 Chiefly export of bulbs and flowers.
- 26820 PRYDE, J. G. The international farm scene. New Zeal. Studmasters' Annu. Rev. 18:15-16. 1966. 49.7 N48 Chiefly trade of livestock products.
- 26821 SALA ESCOLIES, E. Agricultural protectionism in the Common Market. (It) Inst. Agr. Catalan San Isidro. Rev. 115(1):8-9. Jan. 1966. 15 Sa5
- 26822 SALA-ESCOLIES, E. Foreign trade of agricultural products in the OECD. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(5):82-86. May 1966. 15 Sa5
- 26823 SANTOS, J. O. International Coffee Organization: summary of objectives. (Sp) Agricultura [Santo Domingo] 434/435:34-37. July/Aug. 1966. 8 R323
- 26824 SORENSON, V. L. Trade policies and prospects in western Europe. J. Farm Econ. 48(5):1348-1358. Dec. 1966. 280.8 J822
- 26825 STRACKBEIN, O. W. Foreign imports a challenge. West. Grower Shipper 37(12):17-18, 20-22. Dec. 1966. 280.38 W52 To domestic fruit and vegetables.
- 26826 TONTZ, R. L., and RAHE, D. H. Outlook highlights for U.S. agricultural exports, fiscal year, 1966-67. Foreign Agr. Trade U. S., Dec. 1966:5-8. A286.9 Ag8

- 26527 TRAVERS, W. W. G. Export prospects for NZ forest produce in Australia. New Zeal. Timber J. 13(1):29,31-32, Sept.1,1966. 99.81 N482
- 26828 TURKEY. DEVLET İSTATİSTİK ENSTİTUSU. Dis ticaret yıllık istatistik, Seri: 3. Özel ticaret, gümrük kapıları ve maddeler itibarıyla ithalat ve ihracat [Annual statistics of foreign trade, Series 3, Special trade, imports and exports by ports and type of merchandise], 1963. Ankara, 1966. 179 p. 269.9 St2Ca
Text also in French.
- 26829 UNITED NATIONS. STATISTICAL OFF. Year-book of international trade statistics, 1964. New York, 1966. 832 p. 250 Un33
- 26830 UNITED STATES-JAPAN TRADE COUNCIL. United States exports to Japan by customs district of shipment, 1965. Washington, D. C., 1966? 8 p. 286.9 Un323
- 26831 U. S. BUR. OF INTERNATIONAL COMMERCE. Trade of the United States with Communist areas in Eastern Europe and Asia, 1963-65. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-66-56,16 p. Aug.1966. 157.54 Ov2
- 26532 U. S. BUR. OF THE CENSUS. U.S. imports for consumption and general imports, TSUSA commodity by country, 1965. Washington, 1966. 495 p. (Its Report FT 246) HF105.A34
- 26833 VIRGO, E. S. Export promotion—the government's art. Brit. Cattle Breeders' Club. Dig. 22:47-57. 1966. 43.9 B775
Includes discussion.
- 26834 WARDEN, T. A. Transshipments of U.S. agricultural products through Canada. Foreign Agr. Trade U. S., Dec.1966:9-29,map. A286.9 Ag8
Grain and oilseeds; use of grain elevators in Canada along the Great Lakes-St. Lawrence Waterway.
- 26835 WILCZYNSKI, J. Dumping in Sino-Australian trade. Econ. Rec. 42(99):397-415. Sept.1966. 280.8 Ec74
Agricultural products included.

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 26536 AMIN, G. A. Food supply and economic development: with special reference to Egypt. London, Cass, 1966. 132 p. HD9017.E3A4
Based on thesis, University of London.
Bibliography, p.126-132.
- 26537 DAVIS, H. P. A real Christmas for the needy. Agr. Marketing [Washington] 11(12):2. Dec. 1966. A280.38 Ag8
Food Stamp Program and Family Food Donation Program.
- 26538 FAR EASTERN ECONOMIC REVIEW. Year book 1967. Hongkong, 1967. 372 p. 280.8 F224
Includes the agricultural products industries.
- 26539 FEDERATION OF INDUSTRIES IN THE UNITED ARAB REPUBLIC. Year book, 1966. Cairo, 1966. various paging. 297.9 Un342
Includes data on production and trade of agricultural products.
- 26540 FROLOV, A. Past achievements and future plans for expansion of the food industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 157:21-26. Dec. 15, 1966. (JPRS 39,138; TT 66-35561) 173 J663Tro
In the U.S.S.R.
Translation from Ekonomicheskaya Gazeta 41:7. Oct. 1966.
Issued by CFSTI.
- 26541 GIERKE, G. Trends in the development of the field economy in the People's Republic of Hungary. (Ge) Z. Agrarokon. 9(4):220-223. 1966. 281.8 Z3
Field and horticultural crops.
- 26542 GOETSCH, F. L. World food needs and the U. S. farmer. Doane's Agr. Rep. 30(2):12-13, 40-41, map. Jan. 8, 1967. 281.8 P652
Relief.
- 26543 HAWTHORN, J. Food and the future. Home Econ. Dom. Subj. Rev. 12(6):25, 27. June 1966. 321.8 H759
Sources.
- 26544 JATTI, B. D. The food situation in Mysore State. Mysore Econ. Rev. 51(7/8):17-21, 23. 1966. 280.8 M994
- 26545 KHOT, S. M. Food policy and agricultural development. Mysore Econ. Rev. 51(7/8):72-75. 1966. 280.8 M994
- 26546 KRELL, A. Warenkunde Lebensmittel [Food commodity science], revised by B. Korner and J. Stock. Ed. 5, rev. Leipzig, Fachbuchverlag, 1966. 528 p. TX531.K7
Data on food composition, nutritive value, specifications, processing, and regulation.
- 26547 MANNHEIM, H. C. Changing food needs and production in Israel. Food Technol. 20(11):68-70. Nov. 1966. 389.8 F7398
- 26548 MORTIMER, M. Famine relief work in East Africa. Afr. World, Oct. 1966:1. 286.8 Af8
- 26549 MYSORE, CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE. Annual report, 1964-1965. Mysore, 1966. 186 p. 389.9 M994
- 26550 NOLHAN, H. Agriculture and the prospects of development of the world's population. (Fr) Paris. Acad. Agr. France. Compt. Rend. Heb. Seances 52(11):799-807. June 15/22, 1966. 14 P215bc
Population and food supply.
- 26551 NOSSEI CHOSA IIN-KAI. Taikai nogyo hyakka jiten. Shokuhin kogyo [Systematic agricultural encyclopedia. Food industry], Vol. 4, edited by S. Tohata, Tokyo, 1965, pub. 1966. 914 p. S411.N6
- 26552 SEVENSTER, J. The food industry in the EEC; link between farmer and consumer. (Du) Landbouwkundig Tijdschr. 78(2):72-78. Feb. 1966. 105.2 Or3
With regard to the industry in the Netherlands.
- 26553 SHVARTS, V. Need for increased production in food industry cited. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 158:16-22. Dec. 15, 1966. (JPRS 39,140; TT 66-35563) 173 J663Tro
In the U.S.S.R.
Translation from Planovoye Khozyaystvo 6:19-23. June 1966.
Issued by CFSTI.
- 26554 U. S. DEPT. OF AGRICULTURE. Family food stockpile for survival. U. S. D. A. Home Gard. Bull. 77, slightly rev., 16 p. Nov. 1966. 1 Ag84Hg
U. S. Office of Civil Defense, cooperating.
- 26555 VAKLINOV, V. The achievements and prospects for the Bulgarian food industry. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 49:21-5. Nov. 21, 1966. (JPRS 38,699; TT 66-35123) 173 J663Ste
Translation from Khranitelna Promishlenost. 7:1-3. Aug. 1966.
Issued by CFSTI.
- 26556 WITT, L. W. Food. J. Farm Econ. 48(5):1077-1090. Dec. 1966. 280.8 J822
Principles for policy decisions.

ANALYSIS AND COMPOSITION

- 26557 ANDERSON, R. I., and others. Determination of fenthion residues in plant and animal tissues by electron-capture gas chromatography. J. Agr. Food Chem. 14(6):619-622. Nov./Dec. 1966. 381 J8223
J. S. Thornton, C. A. Anderson, and D. B. Kattage, joint authors.
- 26558 BIELESKI, R. L., and TURNER, N. A. Separation and estimation of amino acids in crude plant extracts by thin-layer electrophoresis and chromatography. Anal. Biochem. 17(2): 278-293. Ref. Nov. 1966. 381 An13
- 26559 BLANKENSHIP, L. C., and PALLANSCH, M. J. Differential analysis of sulhydryl and disulfide groups of intact spores. J. Bacteriol. 92(6): 1615-1617. Ref. Dec. 1966. 448.3 J82
- 26560 BORKER, E., and others. Mycotoxins in feeds and foods. Advances Appl. Microbiol. 8:315-351. 1966. 448.2 Um1
N. F. Insalata, C. P. Levi, and J. S. Witzeman, joint authors.
Review of the literature.
- 26561 BOROFF, D. A., and others. Ultracentrifugal analysis of the crystalline toxin and isolated fractions of Clostridium botulinum type A. J. Biol. Chem. 241(22):5165-5167. Ref. Nov. 25, 1966. 381 J824
R. Townend, U. Fleck, and B. R. DasGupta, joint authors.
- 26562 BOURNE, M. C. A classification of objective methods for measuring texture and consistency of foods. J. Food Sci. 31(6):1011-1015. Ref. Nov./Dec. 1966. 389.8 F7322
- 26563 BURKE, J. A., and MALONE, B. Effects of calcination temperature and time on the retentive properties of Florisil used for pesticide residue analysis. Ass. Offic. Anal. Chem. J. 49(5):1003-1007. Ref. Oct. 1966. 381 As7
In food.
- 26564 BURTON, J. D., LOVE, R. M., and MERCER, E. R. The use of 8-hydroxyquinoline for the separation of yttrium-90 in the determination of strontium-90 in biological materials. Analyst 91(1088):739-741. Nov. 1966. 382 An1
- 26565 CROSSLEY, J. Backflushing gas chromatography—a new approach to residue analysis. Chem. Indus. 47:1969-1970. Nov. 19, 1966. 382 M31C
Economic poisons.
- 26566 DAHM, S. Infra-red spectroscopy and some applications in the food chemistry. (No) Nord. Veterinaarmed. 18(11):517-527. Ref. Nov. 1966. 41.8 N813
English summary.

- 26567 DREXLER, H. Water determination with Karl Fischer titration. (Ge) Indus. Obst.-Gemüse-verwertung 51(21):665-667. Nov.3,1966. 389.8 K832
- 26568 DROUIN-NAUD, C. Table of the lipid components of foods. (Fr) Can. Diet. Ass. J. 27(1):18-22. Ref. Nov.1966. 389.9 C1632
English summary
- 26569 EMBS, R. J., and MARKAKIS, P. Enzymatic conversion of p-coumaric acid to caffeic acid. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):51-54. Aug.1966. 100 M585
Hydroxylated derivative.
- 26570 FOSTER, E. M., and SUGIYAMA, H. Latest developments in research on botulism. J. Milk Food Technol. 29(11):342-347. Ref. Nov.1966. 44.8 J824
Clostridium botulinum in food.
- 26571 FOSTER, E. M. Salmonella challenges food industry. (Condensed.) Food Eng. 38(12):107-109. Dec.1966. 389.8 F737
- 26572 FUJIOKA, R. S., and FRANK, H. A. Nutritional requirements for germination, outgrowth, and vegetative growth of putrefactive anaerobe 3679 in a chemically defined medium. J. Bacteriol. 92(5):1515-1520. Ref. Nov.1966. 448.3 J82
- 26573 HADORN, H., and BEETSCHEN, W. Compleximetric determination of calcium and magnesium in dietetic foods. (Ge) Mitt. Geb. Lebensmittelforsch. Hyg. 57(3):240-260. Ref. 1966. 389.9 Sw6
English summary.
- 26574 HARTMAN, P. A., REINBOLD, G. W., and SARASWAT, D. S. Media and methods for isolation and enumeration of the enterococci. Advances Appl. Microbiol. 8:253-289. 1966. 448.2 Umi
Review of the literature.
For determining enterococci in foods.
- 26575 HASEGAWA, S., and NAGEL, C. W. A new pectic acid transeliminase produced exocellularly by a Bacillus. J. Food Sci. 31(6):838-845. Ref. Nov./Dec.1966. 389.8 F7322
- 26576 HERZ, K. O., and CHANG, S. S. An apparatus for the isolation of volatile compounds from food. J. Food Sci. 31(6):937-940. Nov./Dec. 1966. 389.8 F7322
- 26577 HEYNS, K. Mass spectrometry of organic compounds in the structural analysis of carbohydrates. (Ge) Starke 18(9):261-274. Ref. Sept.1966. 309 S122
English summary.
- 26578 KEITH, E. S., and POWERS, J. J. Gas chromatographic determination of anthocyanins and other flavonoids as silyl derivatives. J. Food Sci. 31(6):971-979. Ref. Nov./Dec.1966. 389.8 F7322
- 26579 KIM, J. J., and WILSON, C. W. Vapor phase cleanup method for gas chromatographic determination of pesticide residues in plant extracts. J. Agr. Food Chem. 14(6):615-619. Ref. Nov./Dec.1966. 381 J8223
- 26580 KOHN, R. Use of nuclear resonance spectroscopy in food analysis. (Ge) Fette, Seifen, Anstrichmittel 8(10):795-798. Ref. Oct.1963. 384 C42
English summary.
- 26581 KUMOSINSKI, T. F., and TIMASHEFF, S. N. Molecular interactions in beta-lactoglobulin. X. Amer. Chem. Soc. J. 88(23):5635-5642. Dec.5,1966. 381 Am33J
- 26582 KURMIES, B. Quantitative determination of oxalic acid in plant matter. (Ge) Phosphorsäure 26(3/4):142-152. 1966. 57.8 P563
- 26583 LANCASTER, E. B., CONWAY, H. F., and SCHWAB, F. Power-law rheology of alkaline starch pastes. Cereal Chem. 43(6):637-643. Nov.1966. 59.8 C33
- 26584 LAWLER, F. K. What's behind Salmonella headlines? Food Eng. 38(12):110,112-113. Dec.1966. 389.8 F737
- 26585 LORANT, B. Derivatographic research on the organic acids occurring in plants. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 57(3):231-240. Ref. 1966. 389.9 Sw6
English summary.
- 26586 LOUGH, A. K., NAVIA, J. M., and HARRIS, R. S. Improved procedure for extracting food fatty acids. Amer. Oil Chem. Soc. J. 43(11):627-631. Ref. Nov.1966. 307.8 J52
- 26587 MARIER, J. R., and ROSE, D. The fluoride content of some foods and beverages—a brief survey using a modified Zr-SPADNS method. J. Food Sci. 31(6):941-946. Ref. Nov./Dec. 1966. 389.8 F7322
Review of the literature; zirconium and 4,5-dihydroxy-3-(p-sulfo phenyl azo-2,7-naphthalene disulfonic acid trisodium salt used as reagents.
- 26588 MATHERNE, M. J., and BATHALTER, W. H. Channel layer chromatography (CLC): a cleanup procedure for pesticide residue analysis. Ass. Offic. Anal. Chem. J. 49(5):1012-1017. Oct. 1966. 381 As7
In plant material.
- 26589 MEULEMANS, K. J., and UPTON, E. T. Determination of dichlorobenil and its metabolite, 2,6-dichlorobenzoic acid, in agricultural crops, fish, soil, and water. Ass. Offic. Anal. Chem. J. 49(5):976-981. Oct.1966. 381 As7
Herbicide.
- 26590 MOATS, W. A., and KOTULA, A. W. Single step chromatographic cleanup of chlorinated pesticide residues using high elution rates. Ass. Offic. Anal. Chem. J. 49(5):973-975. Oct. 1966. 381 As7
Agricultural products.
- 26591 MOSSEL, D. A. A., KOOPMAN, M. J., and JONGERIUS, E. T. Enumeration of Bacillus cereus in foods. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(4):453. 1966. 448.8 N28A
- 26592 NORDBY, H. E., KEW, T. J., and FISHER, J. F. Preparation of a firm polyamide absorbent for thin-layer chromatography. J. Chromatography 24(1):257-258. Sept.1966. 475 J824
- 26593 OMURTAG, A. C. Investigations on a culture medium for the differential diagnosis of some Clostridia by a fast method. (Tu) Turk Vet. Hekimleri Derneği. Dergisi 36(10):59-62. Ref. Oct.1966. 41.9 T84
English summary.
In food.
- 26594 OSADCA, M., DERITTER, E., and BUNNELL, R. H. Assay of apocarotenal and canthaxanthin in foods. Ass. Offic. Anal. Chem. J. 49(5):1078-1083. Ref. Oct.1966. 381 As7
- 26595 POKROVSKIY, A. A., and PONOMAREVA, L. G. Micro express method of enzymatic detection of residual amounts of phosphor-organic insecticides. U. S. Joint Publ. Res. Serv. Transl. Gig. Sanit. (Hyg. Sanit.). USSR 8:30-42. Nov.3,1964. (JPRS 27,200; TT 64-51455) 173 J663Trg
Includes food products.
Translation from Sanitariya 29(8):53-60. Issued by CFSII.
- 26596 PRESTON, S. T., and GILL, M. Bibliography and index to the literature on gas chromatography. 1966. J. Gas Chromatogr. 4(12):435-482. Dec.1966. 381 J8225
Includes references on agricultural products.
- 26597 QUEENSLAND, CHEMICAL LABORATORY. Annual report for the year ended 30th June, 1965. Brisbane, 1965. 9 p. 387 Q3
Includes food analyses.
- 26598 RAGELIS, E. P., FISHER, B. S., and KLIMECK, B. A. Note on determination of chlorohydrins in foods fumigated with ethylene oxide and with propylene oxide. Ass. Offic. Anal. Chem. J. 49(5):963-965. Oct.1966. 381 As7
- 26599 SENTI, F. R. Mold toxins in farm products. U. S. Agr. Res. Serv. ARS-74-35:56-60. Aug. 1966. A381 R31Ab
In feed and food.

- 26900 SONG, P. S., CHICHESTER, C. O., and STADTMAN, F. H. Kinetic behavior and mechanism of inhibition in the Maillard reaction, I-II. *J. Food Sci.* 31(6):906-926. Ref. Nov./Dec.1966. 389.8 F7322
- I. Kinetic behavior of the reaction between D-glucose and glycine; II. Mechanistic considerations in the reaction between D-glucose and glycine.

- 26901 STOJANOVIC, N., VESLINOVIC, D., and SEVKOVIC, N. The polarographic determination of zinc in plant materials. *Analyst* 91 (1088):746-748. Nov.1966. 382 An1

- 26902 STOTT, J. A., and SMITH, H. Microbiological assay of protein quality with *Tetrahymena pyriformis* W. 4. *Brit. J. Nutr.* 20(4):663-673. Ref. 1966. 389.8 B773

- 26903 SYMPOSIUM ON QUALITY CONTROL. [Papers]. *Food Technol.* 20(10):52,55-56,58,60,62, 64-65,68. Ref. Oct.1966. 389.8 F7398
- Contents: Texture measurements, by A. S. Azcesniak and Visual appearance of foods, by G. Mackinney, A. C. Little, and L. Brinner.

- 26904 SZEJTLI, J. Anomalous phenomena in the acid of amylose. (Ge) *Starke* 18(9):274-280. Ref. Sept.1966. 309 St22
- English summary.

- 26905 TEGGE, G. Pigment formation in starch hydrolysis in a tube convertor. (Ge) *Starke* 18 (9):285-293. Sept.1966. 309 St22
- English summary.

- 26906 VAJDA, O. Report on food chemistry development in Cuba, II. (Hu) *Elelmezsi Ipar* 20(12):364-367. Dec.1966. 290.9 M57
- English summary.

- 26907 VAJDA, O. Report on the development of food chemistry in Cuba, I. (Hu) *Elelmezsi Ipar* 20(11):328-331. Nov.1966. 290.9 M57
- English summary.

- 26908 VAN DER HEIDE, R. F. Reagents for the detection of antioxidants on thin layers of silica. *J. Chromatography* 24(1):239-243. Sept.1966. 475 J824
- Chromatography research of food.

- 26909 WAART, J. DE, and others. The enumeration of *Staphylococcus aureus* in foods with special reference to egg-yolk reaction and mannitol-negative mutants. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):454. 1966. 443.8 N28A

- D. A. A. Mossel, M. J. Koopman, A. Van de Moosdijk, and R. ten Broeke, joint authors.
- 26910 WINKLER, S. Prerequisites for comparative viscosity measurements of viscose structure starch solutions. (Ge) *Starke* 18(10):316-319. Oct.1966. 309 St22
- English summary.

CONSUMPTION AND UTILIZATION

- 26911 FRIEDMAN, M. P. Consumer confusion in the selection of supermarket products. *J. Appl. Psychol.* 50(6):529-534. Dec.1966. 140.8 J822
- With reference to the truth-in-packaging movement; includes foods.

- 26912 GILLS, G., and ANNAND, P. Family counselling in food budgeting. *Can. Nutr. Notes* 22(10):120-123. Dec.1966. 389.9 C168

- 26913 HOLTHOUSE, M. M. Your weekly food bill. *Oreg. State Univ. Ext. Circ.* 686, rev. 6 p. folder. June 1966. 275.29 Or32C

- 26914 LEPKOVSKY, S. The central nervous system: its central role in discrimination and selection of food. *Food Technol.* 20(11):50-57. Ref. Nov.1966. 389.8 F7398

- 26915 NICOLLE, D. What will the French eat in 1970? (Fr) *Cah. Franc. Doc. Actualite* 113: 14-20. Sept.1966. 280.8 C113
- Includes the development of food consumption 1952-1962.

- 26916 REYNOLDS, M. Consumer education: an experiment. *Home Econ. Dom. Subj. Rev.* 12(12):10-11. Dec.1966. 321.8 H759
- Great Britain.

- 26917 ROLAND, L. Design model for the computation of optimal consumption of foods. (Ge) *Handel* 16(8):373-375. 1966. 286.8 H192

- 26918 ROTTIER, G. Projection of household food consumption from 1960 to 1970. (Fr) *France. Inst. Nat. Statis. Etudes Econ. Etudes Conjoncture* 21(5):61-109. Ref. May 1966. 280.8 F84

- 26919 SEELIG, R. A. Food is a point of view. *United Fresh Fruit Veg. Ass. Yearbook* 1967:88-90. 92. Ref. 280.393 Un3
- Consumer education.

- 26920 SZILAGYI, J., and LUGOSI, J. Utilization of byproducts and wastes in the food industry. I. (Hu) *Elelmezsi Ipar* 20(11):331-334. Nov. 1966. 290.9 M57

- 26921 SZILAGYI, J., and LUGOSI, J. Utilization of byproducts and wastes in food industry. II. (Hu) *Elelmezsi Ipar* 20(12):368-372. Dec. 1966. 290.9 M57
- English summary.

- 26922 U. S. CONSUMER AND MARKETING SERV. National Food Buyers Quiz: questions and answers. U. S. Consum. Marketing Serv. C&MS-51,8 p. Nov.1966. A280.39 C762

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 26923 ADERS, R. O. The food industry and the food Commission report. *J. Farm Econ.* 48(5): 1328-1333. Dec.1966. 280.8 J822

- 26924 BELOPETRAVICHUS, L. Improving the organization of trade in agricultural products under the new Five-year Plan: USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 155:9-14. Dec.2,1966. (JPRS 38,928; TT 66-35352) 173 J63Tr0
- Translation from *Sovetskaya Potrebitel'skaya Kooperatsiya* 10(8):5-8. Aug.1966. Issued by CFSTI.

- 26925 BITTING, H. W. The National Commission of Food Marketing. U. S. Agr. Res. Serv. ARS-74-35:3-4. Apr.1966. A381 R31Ab

- 26926 BRANDOW, G. E. The Food Commission: Its product and its role. *J. Farm. Econ.* 48(5):1319-1327. Dec.1966. 280.8 J822
- National Commission on Food Marketing.

- 26927 BRUNK, M. E. Marketing consumer products—mid 20th century. *Nat. Inst. Anim. Agr. Proc.* 16:94-100. 1966. 49.9 N219
- Food.
- Discussion, p.101-105.

- 26928 CEYLON. FOOD COMMISSIONER. Administration report for 1964-65. Colombo, 1966. 35 p. 389.9 C335
- Text also in Sinhalese.
- Marketing and trade.

- 26929 CHAIN STORE AGE. 1967 directory of supermarket and grocery chains. New York, 1967. 783 p., map. 225 C34

- 26930 COX, E. G. Truck safety: food transportation must be made safer. *United Fresh Fruit Veg. Ass. Yearbook* 1967:243-246,248. 280.393 Un3

- 26931 DER LANDWIRT und seine Märkte [The farmer and his markets]. Mitt. Deut. Landwirt.-Ges., Illus. Beilage 12,8 p. Dec.23,1965. 18 N39A

- 26932 DOLL, R. J. Looking ahead in the marketing of raw farm products. *Nat. Inst. Anim. Agr. Proc.* 16:90-93. 1966. 49.9 N219
- Discussion, p.101-105.

- 26933 ENGELMAN, G. Government regulation and market performance—problems in research. *J. Farm Econ.* 48(5):1420-1426. Dec.1966. 280.8 J822
- Discussion by M. A. Abrahamson, p.1439-1443.

- 26934 ERICSSON, E. Teach the farmer marketing. (Sw) SL-kontakt 2:18-20. 1966. 11 Sv28S
- Cooperative training.

- 26935 FRENCH, C. E. Universities and the Food Commission report. *J. Farm Econ.* 48(5):1334-1341. Ref. Dec.1966. 280.8 J822

- 26936 GANJURJAB, D. Duties of trade procurement agencies. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:61-63. Nov.22,1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
Translation from Unen, Jan.31,1966:3.
Issued by CFSTI.
- 26937 GERL, F. Current problems of marketing agricultural products. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 19:185-202. 1965. 27 H652
- 26938 GINSBURG, L. Food transport and distribution. Food Indus. S. Afr. 19(7):47,49,51. Nov.1966. 389.8 F7372
- 26939 GOLDSBOROUGH, G. The Matching Fund Program comes of age. Agr. Marketing [Washington], Nov.1966:14. A280.38 Ag8
Marketing.
- 26940 HASSELBACH, W. VON. Marketing oriented extension in the service of improved marketing structure. (Ge) (Abridged) Ausbildung Beratung Land- Hauswirtsch. 19(8):162-163. Aug. 1966. 18 N11
- 26941 HENDERSON, H. W. Commissaries—overseas grocers for the Armed Forces. Foreign Agr. Incl. Foreign Crops Markets 4(51):5-6. Dec.19,1966. A281.9 F76Fo
- 26942 HENDERSON, P. L. Market experimentation for measurement of advertising and promotion effectiveness. Amer. Statist. Ass. Bus. Econ. Statist. Sect. Proc. 1966:2-8. 251 Am322
- 26943 JASSERAND, G. The consequence of visual sale in the idea of products. (Fr) Indus. Aliment. Agr. 83(9/10):1271-1274. Sept./Oct. 1966. 383 As7
English summary.
- 26944 LUR'YE, S. Shortcomings in acceptance of agricultural products from farms. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 159:9-10. Dec.16,1966. (JPRS 39,147; TT 66-35570) 173 J663Tro
Under contract.
Translation from Ekonomicheskaya Gazeta 42:30, Oct.1966.
Issued by CFSTI.
- GRADING, INSPECTION, STANDARDIZATION, AND QUALITY**
- 26945 NELSON, J. C. Economic standards for competitive freight rates. J. Farm Econ. 48(5): 1408-1419. Dec.1966. 280.8 J822
Discussion by W. J. Will, p.1435-1438.
- 26946 OGREN, K. E. Government and the Food Commission report. J. Farm Econ. 48(5):1342-1347. Dec.1966. 280.8 J822
- 26947 SCHARFENSTEIN, O. H. C. Processed foods in tie-in advertising. (Ge) Indus. Obst- Gemuse- verwertung 51(22):686-689. Nov.17,1966. 389.8 K832
- 26948 STOKES, C. J. The freight transport system of Colombia, 1959. Econ. Geogr. 43(1):71-90. map. Jan.1967. 278.8 Ec7
- 26949 TRILLHAAS, J. Voluntary branch establishments through fixed relations. (Ge) Raiffeisen- Rundschau 17(12):479-480. Dec.1965. 284.28 R132
Food marketing.
- 26950 WEBER, A. Functions, principles and trends of development prevailing in market and price reporting. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(2): 243-258. Ref. 1966. 18 G31
English summary.
- 26951 YOUNG, J. G. Cooperative enterprise in alternative market structures. Diss. Abstr., Sect. A, 27(4):856A-857A. Oct.1966. Z5055.049D5
- 26952 AGAMENNONE, O. C. Botulinic toxin. (It) Riv. Ital. Essenze—Profumi—Piante Offic.—Aromi—Saponi—Cosmet.—Aerosol 48(9):546. Sept.1966. 308.8 R52
- 26953 BECKER, G. New application possibilities for filtrated ultra violet lights in the official food inspection by the use of rod-shaped analyzer lamp. (Ge) Arch. Lebensmittelhyg. 17(10): 228-229. Oct.1966. 41.8 L49
- 26954 BUCK, P. A., and SCHOBINGER, U. Elimination of starchy flavors: a new approach. Cereal Sci. Today 11(11):474-476,488-502. Nov. 1966. 59.8 C333
- 26955 DACK, G. M. Importance of food-borne disease outbreaks of unrecognized causes. Food Technol. 20(10):39,42,44. Ref. Oct.1966. 389.8 F7398
Review of the literature.
- 26956 DALTON, R. R. Preparing local health departments to cope with foodborne disease outbreaks. J. Milk Food Technol. 29(11):348-349. Nov.1966. 44.8 J824
- 26957 DELMORE, F. J. F.D.A. sanitation inspection procedures. Baker's Dig. 40(6):64-66. Dec. 1966. 389.8 S11
- 26958 DEPLEDT, F. Interpretation of results of judging food aromas. (Fr) France Parfums 9(50):349-361. Sept./Oct.1966. 308.8 F84
English summary.
- 26959 ECKHAUT, R. G., SYSMANS, A., and WINTER, R. DE. Coloring matters in foods. (Fr) Fermentatio 5:252-265. (Cont.) 1966. 390.8 F38
Includes toxicity of synthetic colorings.
- 26960 HAMMEL, O. Standards for quality control in the food industry. (Sp) Inst. Invest. Tecnol. Rev. 7(36):31-36. July/Aug.1965. 241.4 In73
- 26961 HANSEN, S. C. Acceptable daily intake of food additives and ceiling on levels of use. Food Cosmet. Toxicol. 4(4):427-432. Ref. Aug. 1966. 391.8 F73
- 26962 HOLTERMAND, A. The browning reaction. Starke 18(10):319-328. Ref. Oct.1966. 309 St22
Food.
- 26963 KARL, P. M. The advantages of, and need for the establishment of uniform guiding principles and model standards for food. Food Drug Cosmet. Law J. 21(12):680-682. Dec.1966. 389.58 F732
International.
- 26964 LINDNER, H. Conclusions of the "Conference on Problems of Rationalization and Standardization" for standardization in agriculture. (Ge) Deut. Landwirt. 17(10):473-475. Oct.1966. 18 D4822
Product quality and management of farms.
- 26965 LIUZZO, J. A. Quality-control measures for irradiated foods. Food Technol. 20(11):71-72. Nov.1966. 389.8 F7398
Conclusion of the Symposium on Quality Control.
- 26966 MALONEY, J. F., and others. Autoxidation of methyl linoleate in freeze-dried model systems. I-III. J. Food Sci. 31(6):878-896. Ref. Nov./Dec.1966. 389.8 F7322
T. P. Labuza, D. H. Wallace, M. Karel, S. R. Tannenbaum, and H. Maloney, joint authors.
- 26967 MCGRORY, J. A., and DIRKS, B. M. Perspectives on the flavor experience. Cereal Sci. Today 11(11):462-464,466-467,504-506. Ref. Nov. 1966. 59.8 C333
Food.
- 26968 NETZBAND, J. W. The most important provisions of the regulation on dietetic foods. (Ge) Getreide Mehl 16(11):126-128. Nov.1966. 298.8 G332
- 26969 OMURTAG, A. C. Microbiological standards for foods and food products and research for this purpose. II. (Tu) Turk Vet. Hekimleri Derneği. Dergisi 36(10):7-38. Ref. Oct.1966. 41.9 T84
English summary.
- 26970 PETERING, H. G. Foods and feeds as sources of carcinogenic factors. Nutr. Rev. 24(11):321-324. Nov.1966. 389.8 N953
Literature review.

- 26971 PRAGUE, INSTITUTE OF HYGIENE. Bibliographical review of the Czechoslovak literature on communal, school and food hygiene of 1965, Volume VII. Prague, 1966. 107 p. 241.71 P88
- 26972 SALAZAR DE BUCKLE, T., ROZO, M., and CARDENAS, O. F. Study of pesticide residues in agricultural products. (Sp) Inst. Invest. Technol. Rev. 8(39):11-22. Ref. Jan./Feb. 1966. 241.4 In73 Insecticides.
- 26973 SCHULTE, F. Explanations on the changes in the food marking regulation of September 9, 1966. (Ge) Arch. Lebensmittelhyg. 17(10): 217-220. Oct. 1966. 41.8 L49
- 26974 SIMPOSIO SUL PROBLEMA DEL CONTROLLO DEGLI ALIMENTI CONSERVATI E SUI MANGIMI AD USO ZOOTECHNICO, SIENA, 1965. Three papers presented at the Symposium on the Problem of Control of Preserved Foods and of Feeds for Zootechnical Use. (It) Zootecnilassi 20(12):661,663-679,681-686. Ref. Dec. 1965. 41.8 Z72 English summary, p. 727. B. Castagnoli, F. Valfre, and G. Tiecco, contributors. Includes discussions.
- 26975 SMITH, M. D. A new look at industry-FDA relationships. Canning Trade 89(14):66,68-69. Jan. 9, 1967. 286.83 T67
- 26976 SYMPOSIUM ON FLAVOR: REFLECTIONS AND DIRECTIONS. [Papers]. Food Technol. 20(12):43,46,48,50,52. Dec. 1966. 389.8 F7398 Condensations; meeting held at Massachusetts Institute of Technology.
- 26977 U. S. PUBLIC HEALTH SERV. DIV. OF ENVIRONMENTAL ENGINEERING AND FOOD PROTECTION. Research grants, environmental engineering and food protection, fiscal year 1966. Washington, 1966. 23 p. 151.65 R31
- 26978 VODOZ, C. A. Some aspects of the toxicity of flavouring substances. Perfumery Essent. Oil Rec. 57(12):787-794. Ref. Dec. 1966. 308.8 P41
- 26979 WASSERMAN, A. E. Organoleptic evaluation of three phenols present in wood smoke. J. Food Sci. 31(6):1005-1010. Ref. Nov./Dec. 1966. 389.8 F7322

PACKING AND PACKAGING

- 26980 CLARKSON, H. The packaging of prepared meals for microwave catering. Food Trade Rev. 36(12):49-50. Dec. 1966. 389.8 F7334
- 26981 DAVIDGE, H. Nitrogen atmosphere for better food quality: the sparing process. Milk Indus. 59(6):35-36. Dec. 1966. 44.8 M593 In food packing.
- 26982 HECKMAN, J. H. The packaging industries and the Food Additives Amendment of 1958—its time for a change in the law. Food Drug Cosmet. Law J. 21(12):647-672. Dec. 1966. 389.58 F732
- 26983 KENNEDY, C. B. Now that the Fair Packaging and Labeling Act is law. Food Drug Cosmet. Law J. 21(12):632-646. Ref. Dec. 1966. 389.58 F732
- 26984 MONTEVERDE, J. J., and ARAMBURU, H. G. Microbiology of foods. I. Bacterial contamination of the exterior lacquer of food tins. (Sp) Rev. Med. Vet. [Buenos Aires] 47(4):305-306, 309-310, 313-314, 317-318, 320-322, 324-326. Ref. July/Aug. 1966. 41.8 B86 English summary.
- 26985 TALL, P. D. Bags, pouches, trays and wrappers for the packaging of frozen foods. Food Trade Rev. 36(12):63-66. Dec. 1966. 389.8 F7334
- 26986 ZAPP, G. M. Hot melt coatings for frozen food packaging. Food Manufacture 41(12):54,57-58. Dec. 1966. 389.8 F736

PRICES, PRICE CONTROL, AND RATIONING

- 26987 BAUER, E., and RAUSCHENBACH, H. Methods for determining on-farm cost-covering price standards for agricultural products. (Ge) Z. Agrarök. 9(7):354-359. 1966. 281.8 Z3 Reply by C. Focke, p. 360-361.
- 26988 BETTO, P., and others. Price movements in England from 1695 to 1805. (It) G. Econ. Ann. Econ. 25(7/8):708-848. July/Aug. 1966. 280.8 G43 R. Civati, M. Massironi, and L. Motta, joint authors. Bibliography, p. 708-714. Food prices included.
- 26989 BRUNK, M. E. When price is not a price. Canning Trade 89(14):70,72-76,78-79,85. Jan. 9, 1967. 286.83 T67 Food.
- 26990 EISENKRAMER, K. Price reserves wait on their opening; a contribution to the discussion on food prices. (Ge) Raiffeisen-Rundschau 17(12):463. Dec. 1965. 284.28 R132
- 26991 GERMANY (FEDERAL REPUBLIC) STATISTISCHES BUNDESAMT. Preise und Preisindizes für die Land- und Forstwirtschaft [Prices and price indexes for agriculture and forestry], 1965/66. Stuttgart, 1966. 18 p. (Preise, Löhne, Wirtschaftsrechnungen, Reihe 4) 265 G318P Products and supplies.
- 26992 GORMAN, W. D., and MORI, H. Economic theory and explanation of differences in price levels among local retail markets. J. Farm Econ. 48(5):1496-1502. Dec. 1966. 280.8 J822 Food.
- 26993 KHILEK, J. Uniform basic purchasing prices and their purpose. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488:12-14. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663St Czechoslovakia. Translation from Ekonomika Zemdel'stvi 7:176-177. July 1966. Issued by CFSTI.
- 26994 MACKINNON, A. W., and others. A comparison of food prices in Boston, Massachusetts and Bangor, Maine: December, 1965; a report of the Economics Research Seminar, College of Business Administration, University of Maine. Maine. Agr. Exp. Sta. Bull. 641, 27 p. May 1966. 100 M288 B. G. Marsh, J. C. Dean, and R. E. Vizard, joint authors.
- 26995 NARAIN, D. Impact of price movements on areas under selected crops in India, 1900-1939. Cambridge, University Press, 1965. 234 p. Ref. p. 227-230. HB235.I4N3
- 26996 NEW YORK (STATE) CROP REPORTING SERV. New York State agricultural prices, 1961-1965. N. Y. Crop Rep. Serv. AMA Release 99, 11 p. Oct. 1966. 280.393 N463 Statistical Reporting Service, U. S. Department of Agriculture in cooperation with Bureau of Statistics, New York State Department of Agriculture and Markets.
- 26997 OLOVANSKI, I. Procurement prices of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 503:1-13. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663St Bulgaria. Translation from Novo Vreme 9:41-49. Sept. 1966. Issued by CFSTI.
- 26998 PALLOS, L. Support system for TSZs farming under adverse natural conditions. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 503:14-26. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663St Includes differential land rent in Hungary. Translation from Kozgazdasagi Szemle 11: 1293-1303. Nov. 1966. Issued by CFSTI.

- 26999 RECENT work relative to price indexes and development of living costs. (Fr) Soc. Statist. Paris. J. 107(7/9):152-163. July/Sept. 1966. 260 F212J
Papers given at a round table by J. Fourastie, C. Fontaine, M. Levy, and Calot.
- 27000 SEKULARAC, B. Guaranteed and minimal prices, premiums, and discounts in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 501:11-19. Dec. 9, 1966. (JPRS 39,029; TT 66-35452) 173 J663Ste
Yugoslavia.
Translation from Privredni Pregled (sup.): Propisi i Praksa), Nov. 12, 1966:1-3.
Issued by CFSTI.
- 27001 SOUTH CAROLINA CROP REPORTING SERV. South Carolina, prices received by farmers and revised index numbers, 1952-1965. S. C. Agr. Exp. Sta. AE 295,43 p. Oct. 1966. 281.9 C59
U. S. Department of Agriculture in cooperation with Department of Agricultural Economics, South Carolina Experiment Station.
- 27002 TRACY, M. Agricultural policies in a changing world. Agr. Merchant 46(11):5-7. Nov. 1966. 10 Ag89
Price policies.
- 27003 U. S. CROP REPORTING BOARD. Crop values; season average prices received by farmers and value of production, 1965 and 1966, by States. Washington, 1966. 35 p. 1.941 F85el
Field and horticultural crops.
- PROCESSING AND STORAGE
- 27004 ARTAMONOV, A., and PLATONOV, V. Increased production of frozen food urged. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 150:7-11. Nov. 8, 1966. (JPRS 38,525; TT 66-34950) 173 J663Tro
Translation from Ekonomicheskaya Gazeta. 34:36. 1966.
Issued by CFSTI.
- 27005 BARDWELL, F. F., KNOWLTON, G. F., and SALUNKHE, D. K. Food storage in the home. Utah. State Univ. Ext. Circ. EC257, rev., 16 p. Sept. 1966. 275.29 Utl
- 27006 BILBROUGH, J. Elementary microwave and HF theory. Food Trade Rev. 36(11):43-47. Nov. 1966. 389.8 F7334
- 27007 CARRE, G. Freezing on the farm; what equipment to select? Cost of a freezer? (Fr) Econ. Agr. 11,i.e.12:51-52. Dec. 1966. HD1945.A1E2
- 27008 CLERCK, J. DE. Modernization in the food industries. (Fr) Louvain, Univ. Ass. Anciens Etud. Brass. Bull. 62(2):87-94. June 1966. 390.9 L93
- 27009 DOERR, R. C., WASSERMAN, A. E., and FIDDLER, W. Composition of hickory sawdust smoke; low-boiling constituents. J. Agr. Food Chem. 14(6):662-665. Ref. Nov./Dec. 1966. 381 J8223
Used in food processing.
- 27010 DOESBURG, J. J. Freeze drying of solid foodstuffs. Food Indus. S. Afr. 19(7):32-33,35. 39. Nov. 1966. 389.8 F7372
- 27011 ESPIARD, E., and others. Practical aspects of the choice of a filter. (Fr) Indus. Aliment. Agr. 83(9/10):1157-1170. Sept./Oct. 1966. 383 As7
Bimbenet, Husson, Moureaux, Publan, Silard, and Torcol, joint authors.
English summary.
- 27012 FACE of frozen foods; controversial areas in the frozen food picture and product categories in the process of major change are evaluated with incisiveness and candor by industry leaders. Quick Frozen Foods 29(5):223,225-231, 233-236,240-242,244. Dec. 1966. 389.8 Q4
Includes comments by G. W. Thomas, N. Friedson, R. M. Powell, G. M. Perry, J. F. Paulucci, H. Cragg, F. N. Grigg, A. C. Lo-Bello, V. J. Kirby, E. S. Christoffersen, J. H. Goldberg, D. Celentano, and J. H. Brian.
- 27013 FIDDLER, W., and others. Composition of hickory sawdust smoke; furans and phenols. J. Agr. Food Chem. 14(6):659-662. Ref. Nov./Dec. 1966. 381 J8223
R. C. Doerr, A. E. Wasserman, and J. M. Sallay, joint authors.
Used in food processing.
- 27014 GOOD prospects for the future of the Spanish canning industry. Int. Processed Fruits 10(3):10-11,13-14,17. 1966. 286.83 In82
Text also in German and Spanish.
- 27015 HAMPSON, N. Reinforced plastic provides cost savings for processors. Food Can. 26(11):51-53. Nov. 1966. 389.8 F7323
- 27016 HOGG, F. G. Refrigeration research in Australia. Australian Refrig. Air Cond. Heating 20(11):20-27. Nov. 1966. 295.8 R255
- 27017 HUNTER, I. R., and others. Production of bread-like aromas from proline and glycerol. Cereal Sci. Today 11(11):493-494,496,500-501. Nov. 1966. 59.8 C333
M. K. Walden, W. H. McFadden, and J. W. Pence, joint authors.
- 27018 IYERUSALIMSKIY, N. D. Theoretical and industrial aspects of microbiological synthesis. U. S. Joint Publ. Res. Serv. [Transl.] Microbiol. Syn. Indus. Protein Biosyn. USSR, June 8, 1965:1-12. (JPRS 30,486; TT 65-31197) 173 J663Mie
Translation from Vestnik Akademii Nauk SSSR 4:42-50. Apr. 1965.
Issued by CFSTI.
- 27019 JORGENSEN, S. T. Changes in food value during freezing, canning and preparing. (Da) Denmark. Statens Husholdningsrad. Tek. Medd. 6 (5):97-104. Ref. 1966. 321.9 D41T
English summary.
- 27020 JOSLYN, M. A. The many faces of food science. Food Trade Rev. 36(11):50-54. Nov. 1966. 389.8 F7334
- 27021 JUL, M. Technical development in food processing. (Da) Nord. Lantrubsekon. Tidskr. 16(3):102-109. 1966. 281.8 N75
- 27022 KEMP, G. No "freeze" for Britain's booming frozen foods business. Quick Frozen Foods 29 (5):345-347,380-381,418,420,422. Dec. 1966. 389.8 Q4
- 27023 KETELSLEGER, LE M. Representation of the company's image and objectives to growers. Canning Trade 89(14):80,82. Jan. 9, 1967. 286.83 T67
Activities of fieldmen.
- 27024 LANGE, H. J. Establishment of sterilization standards for determining the penetration of heat in cans. (Fr) Rev. Conserv. 21(7):101-110. Ref. Nov. 1966. 389.8 R326
- 27025 LANGE, H. J. The use of chlorinated water in the processing industry. (Ge) Indus. Obst-Gemüseverwertung 51(21):651-655. (Cont.) Nov. 3, 1966. 389.8 K832
- 27026 MADRID. CENTRO EXPERIMENTAL DEL FRIO. Fifth general assembly. (Sp) Rev. Frio 11(2):95-178. Apr./June 1966. 295.8 R326
- 27027 MAKIMOV, P. S., and VASIL'YEV, P. V. Refrigeration construction in 1965 and plans for 1966-1970. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 147:7-11. Oct. 18, 1966. (JPRS 38,220; TT 66-34647) 173 J663Tro
Translation from Kholodil'naya Tekhnika 6:18-20. 1966.
Issued by CFSTI.
- 27028 MARTIN, S. The state of the industry. Quick Frozen Foods 29(5):245-252. Dec. 1966. 389.8 Q4
Includes statistics.
- 27029 MONCRIEFF, J. Emulsifiers in food products. Baker's Dig. 40(6):54-55. Dec. 1966. 389.8 S11
- 27030 MONTIGAUD, C. Concentration in the French food processing industry. (Fr) Indus. Aliment. Agr. 83(9/10):1301-1307. Sept./Oct. 1966. 383 As7

STATISTICS

- 27031 MORAINÉ, R. A., and ROGOVIN, P. Kinetics of polysaccharide B-1459 fermentation. *Bio-technol. Bioeng.* 8(4):511-524. Ref. Nov.1966. 381 J8224
Polysaccharide gum from fermentation with *Xanthomonas campestris* NRRL B-1459.
- 27032 1966 FROZEN foods almanac; a collection of facts and statistics. *Quick Frozen Foods* 29 (5):199-222. Dec.1966. 389.8 Q4
- 27033 OLBRIKH, H. Alcoholic fermentation. (Ge) Seifen-Ole-Fette-Wachse 92(24):892-898. (Cont.) Ref. Nov.23,1966. 307.8 Se4
- 27034 REGEZ, W., and HANAU, J. Germ-free fluidity through uperisation. (Ge) Fette, Seifen, Anstrichmittel 59(10):881-885. Oct.1966. 384 C422
Sterilization of liquid foods.
- 27035 RHODAS, A. T. Water standards and their implications to processors. *Canning Trade* 89(14):84-85. Jan.9,1967. 286.83 T67
- 27036 SHERWOOD, D. J. Preparation of food for microwave catering. *Food Trade Rev.* 36(11):47-49. Nov.1966. 389.8 F7334
- 27037 SMITH, R. E., NELSON, G. L., and HENRICKSON, R. L. Applications of geometry analysis of anomalous shapes to problems in transient heat transfer. *Amer. Soc. Agr. Eng. Pap.* 303, 27, p. Ref. 1966. 290.9 Am32P
With reference to food refrigeration.
- 27038 SUBRAHMANYAN, V. Food technology in developing countries. *Food Technol.* 20(12):64-68. Oct.1966. 389.8 F7398
- 27039 TOWNSEND, D. W. Automation comes to the warehouse. *Agr. Marketing* [Washington] 11 (12):6. Dec.1966. A280.38 Ag8
- 27040 TOWNSEND, D. W. Fifty years of safe storage. *Agr. Marketing* [Washington], Nov.1966: 16. A280.38 Ag8
U. S. Warehouse Act.
- 27041 TRAUBERMAN, L. Cryogenics: for which products? *Food Eng.* 38(12):86-89. Dec.1966. 389.8 F737
- 27042 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Storing perishable foods in the home. U. S. D. A. Home Gard. Bull. 78, slightly rev., 12 p. Oct. 1966. 1 Ag84Hg
- 27043 U. S. CROP REPORTING BOARD. Directory of refrigerated warehouses in the United States. U. S. D. A. Statist. Rep. Serv. SRS-1, rev., 55 p. Nov.1966. A280.9 Ag83
- 27044 VICTOR, R. D. Computer-automated quality control in food processing. *Can. Food Indus.* 38(1):22-24. Jan.1967. 286.83 C166
- 27045 WEYMAR, F. H. The supply of storage revisited. *Amer. Econ. Rev.* 56(5):1226-1234. Ref. Dec.1966. 280.8 Am32
In relation to commodity prices.
- 27046 WILLIAMS, E. W. What are the immediate trends in the frozen food industry? *Quick Frozen Foods* 29(5):95-96,98-100. Dec.1966. 389.8 Q4
- 27047 YOUNG L., N. Agricultural industrialization. (Sp) *Inst. Invest. Tecnol. Rev.* 7(36):7-13. July/Aug.1965. 241.4 In73
Industries processing agricultural products in Colombia.
- 27048 ZETELAKI, Z., and KISS, E. Results of research work on glucose oxidase. (Hu) *Elelmezési Ipar* 20(11):339-344. Ref. Nov.1966. 290.9 M57
English summary.
In food processing.
- 27049 ZETELAKI, MRS. Z. A study of factors influencing the production of glucose oxidase in submerged cultures. (Hu) Budapest. Kozponti Elelmiszertipari Kutatóintézet Közlem. 3:9-13. Ref. 1965. 389.9 B85
English summary.
Application in food processing.
- 27050 ACHACH. The agricultural accounts in 1965. (Fr) France. *Inst. Nat. Statist. Etudes Econ. Etudes Conjoncture* 21(5):111-123. May 1966. 280.8 F84
Agricultural production and income.
- 27051 BADEN-WÜRTTEMBERG, STATISTISCHES LANDESAMT. Die Ernte an Hülserfrüchten, Rauhfutter und Zuckerrüben 1965 [The harvest of legumes, rough forage, and sugar beets 1965]. Baden-Württemberg. Statist. Landesamt. Statist. Ber. Agrardienst 55:3. Dec.13,1965. 265 S28
- 27052 BELORUSSIAN SSR, TSENTRAL'NOE STATISTICHESKOE UPRAVLENIE. Belorusskaya SSR v tsifrakh v 1965 godu; kratkii statisticheskii sbornik [Belorussian SSR; a brief collection of statistical data], 1965. Minsk, Statistika, 1966. 173 p. 267 W58Be
Includes agriculture.
- 27053 BENGTTSSON, B. Objective crop estimates in Kristianstad Province. (Sw) *Kristianstads Lans Hushallingsallsk. Tidskr.* 1:47-57, map. May 1966. 11 K89
- 27054 BRITISH COLUMBIA. DEPT. OF AGRICULTURE, MARKETS AND STATISTICS BR. Agricultural statistics report, 1965. Victoria, 1966? 6 p. 7 B77S
- 27055 CONVENIO DE COOPERACION TECNICA. Estadística agraria [Agricultural statistics], 1964. Lima, 1965. 440 p. HD1902.C6
Peru Ministerio de Agricultura and Universidad Agraria, cooperating.
- 27056 HESSE, STATISTISCHES LANDESAMT. Landwirtschaftszahlung 1960. Heft 1 [Agricultural census 1960. No. 1]. Hess. Statist. Landesamt. Beitr. Statist. Hess. (n.s.) 1(1), 162 p. 1966. 265 H462
- 27057 HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Mezőgazdasági statisztikai zsebkönyv [Agricultural statistical pocketbook]. Budapest, 1966. 402 p. 266.5 M57
- 27058 HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Statistical yearbook, 1965. Budapest? 403 p. 1966. 266.5 S2Seh
Text also in Russian.
Agricultural statistics included.
- 27059 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of kharif pulses (other than tur), 1964-65. New Delhi, 1965. 4 p. 269.5 In2Ak
- 27060 ISRAEL. CENTRAL BUR. OF STATISTICS. Statistical abstract of Israel, 1966, No. 17. Jerusalem, 1966. various paging, map. 269.8 Is7S
Agricultural statistics included.
- 27061 LIBYA. CENSUS AND STATISTICAL DEPT. Statistical abstract, 1965. Tripoli, 1966. 280 p. 270 L614S
Agricultural statistics included.
- 27062 NAVVARO, L., and BALDO, D. Statistics on the countries of OECD. (Sp) *Inst. Agr. Catedral San Isidro. Rev.* 115(5):78-79. May 1966. 15 Sa5
Agriculture.
- 27063 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Statistiek van de land- en tuinbouw 1965 [Statistics of agriculture and horticulture 1965]. Hilversum, 1966. 165 p., map. 259 S2U1
- 27064 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Statistisch zakboek [Statistical notebook], 1966. 's-Gravenhage, 1966. 202 p. 259 S2St
Includes a chapter on agriculture.
- 27065 PANAMA. DIRECCION DE ESTADISTICA Y CENSO. Panama en cifras (compendio estadístico: años 1951 a 1965), 3 de noviembre de 1965 [Panama in figures (statistical compendium: years 1951 to 1965), November 3, 1966]. Panama, 1966. 194 p., map. 254 P197Pa
Agricultural statistics included.

- 27066 RAJ, D. Response bias in farmers' report. *Sankhya*, Ser. B, 27(3/4):279-282. Dec.1965. 251.8 In2B
For censuses and sample surveys in Greece.
- 27067 SIEVERS, M. The production of agricultural field crops 1966. (Ge) *Statist. Monh. Schleswig-Holstein* 18(11):240-243. Nov.1966. 265 Sch32Sm
- 27068 TASMANIA. STATISTICIAN. Pocket year book of Tasmania, 1966. Hobart, 1966. 208 p.,map. 271.5 St2P
Agricultural statistics included.
- 27069 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1963 Cropland Conversion program; status as of December 31, 1965. Washington, 1966. 50 p.,map. aHD1753.A3
- 27070 U. S. CROP REPORTING BOARD. Crop production, 1966 annual summary; acreage, yield, production, by States. Washington, 1966. 100 p. 1.9 St2Cb
Includes crop estimates.
- 27071 U. S. DEPT. OF AGRICULTURE. Agricultural statistics, 1966. Washington, 1966. 636 p. 1 Ag84Yas
- 27072 UZBEK SSR. TSENTRAL'NOE STATISTICHESKOE UPRAVLENIE. Uzbekistan za 7 let, 1959-1965 gg.; kratkii statisticheski sbornik [Uzbekistan in 7 years, 1959-1965; a brief statistical handbook]. Tashkent, 1966. HA1887.U9A56
Includes agriculture.
- 27073 VENEZUELA. DIRECCION GENERAL DE ESTADISTICA Y CENSOS NACIONALES. Anuario estadistico de Venezuela [Statistical annual of Venezuela], 1964. Caracas, 1966. 645 p. 255.9 Es8A
Agricultural statistics included.
- 27074 VIETNAM. BO CANH-NONG. Nien-giam thong-ke nong-nghiep, 1965. Agricultural statistics yearbook, 1965. Kinh-tang, 1966. 190 p. 269 V872
Introduction, table of contents, and table headings in English.
- 27075 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Drustvena poljoprivredna gazdinstva u 1964 [Social agricultural holdings in 1964]. Yugoslavia. Savezni Zavod Statist. Statist. Bilten 393,87 p. Mar.1966. 266.9 Sa8S
Contents, preface, and table headings in English.
- BEVERAGES AND CONDIMENTS**
- 27076 ADAMS, A. M. The diethyl ester of pyrocarboxylic acid as an antimicrobial agent. *Ontario. Hort. Exp. Sta. Rep.* 1965:138-145. Ref. 1966. 101 On823
In grape juice and wine.
- 27077 ADAMS, A. M. Taste and aroma of wines treated with diethyl ester of pyrocarboxylic acid. *Ontario. Hort. Exp. Sta. Rep.* 1965:133-138. 1966. 101 On823
- 27078 AMERINE, M. A. The search for good wine. *Science* 154(3757):1621-1628, map. Ref. Dec.30,1966. 470 Sci2
Includes processing and quality control.
- 27079 BAKER, G. A., OUGH, C. S., and AMERINE, M. A. Sensory scores and analytical data for dry white and dry red wines as bases for predictions and groupings. *Amer. J. Enol. Viticult.* 17(4):255-264. Oct./Dec.1966. 390.9 Am33
Review of the literature.
- 27080 BALAZS, L., PAIS, I., and EPERJESI, I. Determination of dilute acids in dilute alcohol-water systems at oscillometric indication. (Hu) *Budapest. Kerteszeti Szulesz. Foiskola. Kozlemenyei* 30(1):143-152. 1966. 80 B85
English summary.
In wine.
- 27081 BECK, H. Port and muscadell. *Wynboer* 415:15. Apr.1966. 390.8 W724
- 27082 BIESER, K. L. Vineyard cooperatives pressed into responsibility. (Ge) *Raiffeisen-Rundschau* 18(5):189-190. May 1966. 284.28 R132
- 27083 BORIO, L. L. How Brazil is attacking over-production; supply-demand balance by June 1966. *World Coffee Tea* 7(7):50-52. Nov.1966. 286.83 W89
- 27084 CACERES RAMOS, H. Cacao: bibliography of publications available in the Orton Memorial Library. *Inst. Interamer. Cienc. Agr. Bibl. Connen. Orton. Bibliogr.* 2(sup.2), 132 p. 1966. 241 In83L
- 27085 CALCUTTA TEA TRADERS ASSOCIATION. Report of the Committee for the year from 1st December 1965 to 30th November 1966. Calcutta, 1966. 83 p. 286.3689 C12
Includes foreign trade.
- 27086 CALDERON, P., PEDERSON, C. S., and MAT-TICKER, L. R. Nature of the myrosinase enzyme. *J. Agr. Food Chem.* 14(6):665-666. Ref. Nov./Dec.1966. 381 J8223
In mustard seeds.
- 27087 DOWNEY, W. J., and EISERLE, R. J. New flavor products: applications in the cereal and baking industries. *Cereal Sci. Today* 11(11):468,470,502-503. Nov.1966. 59.8 C333
Includes discussion of preparation of essential oils and oleoresins used in bakery flavorings.
- 27088 DU TOIT, A. J. Outlook for the wine industry in the Republic. (Af) *Wynboer* 415:7-9. Apr. 1966. 390.8 W724
- 27089 ESAU, P., and AMERINE, M. A. Quantitative estimation of residual sugars in wine. *Amer. J. Enol. Viticult.* 17(4):265-267. Oct./Dec.1966. 390.9 Am33
Review of the literature.
- 27090 ESAU, P., and AMERINE, M. A. Synthetic ion-exchange resins in wine research. *Amer. J. Enol. Viticult.* 17(4):268-276. Oct./Dec. 1966. 390.9 Am33
Review of the literature.
- 27091 ESPLUGAS, M. The Surplus Purchases Commission [Comision de Compra de Excedentes de Vino] and the price of wine. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(5):80-81. May 1966. 15 Sa5
- 27092 EYBEN, D. The colloidal stability of beer. (Fr) *Permentatio* 5:221-247. Ref. 1966. 390.8 F38
Includes hops and malt composition.
- 27093 FESSLER, J. H. Review of some studies of practical methods of filtering wines. *Amer. J. Enol. Viticult.* 17(4):277-282. Oct./Dec.1966. 390.9 Am33
- 27094 FLICHMAN, I. Scientific and cultural exchange of Argentine grape and wine production with other countries. (Sp) *Oeste* 5(14):48-54. First Q.1966. 287 Oe8
- 27095 FURLOTTI, A. F. Analysis of heat loss in wine fermentation. 2. (Sp) *Oeste* 5(14):11-15. First Q.1966. 287 Oe8
- 27096 HAMMEL, G. "Salvagnin" a prestige quality mark of the Vaud wines. (Fr) *Ann. Agr.* 6:59-61. 1966/1967. 17 An73
- 27097 HARRINGTON, W. O., and HILLS, C. H. Preservative effect of diethyl pyrocarbonate and its combination with potassium sorbate on apple cider. *Food Technol.* 20(10):120-122. Ref. Oct.1966. 389.8 F7398
- 27098 HARTONG, B. D. Enzymes as aids in beer preparation. (Du) *Conserva* 14(11):265-267. May 1966. 389.8 C7632
French summary.
- 27099 INDIA. TEA BOARD. Tea statistics 1965-66. Calcutta, 1966. 191 p. 269.5 In233
- 27100 INTERNATIONAL CONGRESS OF GRAPES AND WINE, LISBON, 1965. Rapports [Reports]. Lisbon, 1965. SB387.C6
Issued by the Office International de la Vigne et du Vin.

DAIRY PRODUCTS

- 27101 KOBAYASHI, A., and others. Flavor of black tea. III-IV. Agr. Biol. Chem. 30(8):779-792. Ref. Aug. 1966. 355 Ag8B
H. Sato, H. Nakamura, K. Ohsawa, T. Yamashita, A. Uchida, and S. Mori, joint authors.
III, Newly identified alcohols and aldehydes; IV, Changes in flavor constituents during the manufacture of black tea.
- 27102 KOCH, H. J. Labeling and the new name on well known wine. (Ge) Weinberg Keller 13(4): 171-172. Apr. 1966. 95.8 W435
Regulation.
- 27103 MANTOVI, F. Made with grapes, but it's not wine. (It) Modena 72(9):23-25. Oct. 1966. 280.9 M722
A concentrated fruit juice.
- 27104 MASTER BREWERS ASSOCIATION OF AMERICA. Abstracts of technical papers, 79th annual convention, September 25-29, 1966, Philadelphia, Pa. Amer. Brewer 99(11):21-23, 28. Nov. 1966. 390.8 Am3
- 27105 NEGRIN, R. The regulation of food flavorings. (Fr) France Parfums 9(49):249-260. June/July 1966. 308.8 F84
English summary.
- 27106 OREGLIA, R. P. F. New wine manufacture techniques. (Sp) Oeste 5(15):55-60. Second Q. 1966. 287 Oe8
Argentina.
- 27107 PAIS, I., EPERKESI, I., and BALAZS, L. Test of oxidation-reduction systems in wines. (Hu) Budapest. Kerteszeti Szolész. Poiskola. Kozlemenyek 30(1):135-142. 1966. 80 B85
English summary.
- 27108 PERONE, J. Financing of the grape and wine industry. (Sp) Oeste 5(14):41-47. First Q. 1966. 287 Oe8
Argentina.
- 27109 POLIGNONE, V. Wine accused? (It) G. Agr. 76(45):483. Nov. 6, 1966. 16 RIIG
- 27110 QUESNEL, V. C. The detection of amino compounds on paper chromatograms with diazotized p-nitroaniline. J. Chromatography 24(1):268. Sept. 1966. 475 J824
In cocoa beans.
- 27111 RIBEREAU-GAYON, P. Os compostos fenolicos da uva e do vinho [Phenolic compounds in grapes and wine]. Port. Cent. Nac. Estud. Vitivinícolas. Vinea Vitis Port. Doc. Ser. II, Enol. 2(4), 6 p. Sept. 1965. 390.9 P83
- 27112 ROSSI, J. A., and SINGLETON, V. L. Contribution of grape phenols to oxygen absorption and browning of wines. Amer. J. Enol. Viticult. 17(4):231-239. Oct./Dec. 1966. 390.9 Am33
Review of the literature.
- 27113 SARKAR, G. K. A review of tea prices. Gokhale Inst. Polit. Econ. J. 8(3):296-308. Sept. 1966. 280.9 G56A
- 27114 TANNER, H. The cause of an unknown precipitate in grape brandy (marc). (Ge) Schweiz. Z. Obst- Weinbau 102(12):317-319. June 11, 1966. 90 Sch9
Calcium sulfate or calcium tartrate.
- 27115 TROLLE, B. Requirements for grain quality as industrial raw material, especially in the brewing industry. (Da) Tidskrift 38 (4):196-198. Apr. 1966. 11 T58
- 27116 WEINFURTER, F., and others. Malt quality-wort composition-fermentation course. II. (Ge) Brauwelt 106(92/93):1700-1706. Nov. 18/23, 1966. 390.8 B732
F. Wullinger, A. Fiendl, and R. Henrich, joint authors.
English summary.
- 27117 WURDIG, G., CLAUS, W., and SCHORMULLER, J. Research on the occurrence and formation of mucic acid in grape must and wine. I-II. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 131(5):274-280. Ref. Oct. 25, 1966. 384 Z39
- 27118 AMERICAN DAIRY SCIENCE ASSOCIATION. EASTERN DIV. Abstracts of papers presented at New Brunswick, New Jersey, August 3, 1966. J. Dairy Sci. 49(12):1572-1575. Dec. 1966. 44.8 J822
- 27119 ANDERSEN, K. J. Dairy industry in Australia. (Da) Maelkeritidende 79(51):1131-1134. Dec. 23, 1966. 44.8 M26
- 27120 ANNUAIRE national du lait, 1966 (XVIIe edition) [National dairy annual (XVIIth edition)]. Paris, 1966. 692 p., map. 225 An78
Directory.
- 27121 ANTONOV, N., and others. Development of the milk industry in Moscow. (Rus) Moloch. Prom. 12:13-22. Dec. 1966. 44.8 M734
G. Guseva, A. Churochkina, R. Golovkin, L. Grgor'eva, T. Mosaleva, and L. Borisova, joint authors.
- 27122 BARABASH, S. Milk industry in the Russian Soviet Federated Socialist Republic as reflected in the new Five-Year Plan. (Rus) Moloch. Prom. 12:4-5. Dec. 1966. 44.8 M734
- 27123 BAYARSAIHAN, D. Need for assuring early production and procurement of butter. U. S. Joint Publ. Res. Serv. Transl. Mongolia 123: 28-30. Dec. 13, 1966. (JPRS 39,091; TT 66-35514) 173 J663Tmo
Mongolia.
Translation from Namyn Am'dral 3:32-34. Mar. 1966.
Issued by CFSTI.
- 27124 BERTELSEN, E. Swedish consumer milk products. (Sw) Mejeritidskrift 27(6):212-218. Dec. 1965. 44.8 M472
- 27125 CASTIGLIONI, N. V. Recent aspects of the French dairy and cheese sector. (It) Mondo Latte 20(10):789-790. Oct. 1966. 44.8 M74
- 27126 DUBMAN, A., and CHERNYAKOV, F. Apparatus for remote control of milk quantity and the indication of milk levels in tanks. (Rus) Moloch. Prom. 12:27-28. Dec. 1966. 44.8 M734
- 27127 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The economic impact of dairy development in developing countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 66/11/2, 53 p. Apr. 25, 1966. 389.9 F7354Co
- 27128 FRENCH, C. E. Trends and turnaround in the dairy industry and their implications for marketing and power. Midwest Milk Marketing Conf. Proc., 21st Annu. Conf.:1-17. 1966. 280.3449 M583
- 27129 GENOOTSCHAP TER BEVORDERING VAN MELKKUNDE. Report of the spring meeting of the Society for Promotion of Dairy Science held at Utrecht, May 25, 1966. (Du) Ned. Melk-Zuivelijdschr. 20(3):228-234. July/Sept. 1966. 44.8 N283
- 27130 HEALY, P. J. Changes in general government policy and their implications. Midwest Milk Marketing Conf. Proc., 21st Annu. Conf.:18-22. 1966. 280.3449 M583
- 27131 HERREID, E. O. Status of the Journal of Dairy Science 1966. J. Dairy Sci. 49(12):1575a-1576. Dec. 1966. 44.8 J822
- 27132 HERZ, H. Milk and dairy products in Scandinavia. (Du) Misset's "Zuivel" 72(49):1247-1249. Nov. 29, 1966. 44.8 N282
- 27133 HULGAARD, S. A. New Zealand's milk production and butter export. (Da) Tidskr. Landkon 8:398-403, map. Oct. 1966. 11 T43
- 27134 KLIMENKO, B., and CHERTKOV, N. The century of our national cheese industry. (Rus) Moloch. Prom. 12:6-10. Dec. 1966. 44.8 M734
- 27135 LAKE, G. Looking ahead in dairy operations. Nat. Inst. Anim. Agr. Proc. 16:80-86. 1966. 49.9 N219
Discussion, p. 101-105.

- 27136 MASON, J. P. An interpretation of the dairy provisions of the Food and Agriculture Act of 1965. Northeast. Dairy Conf. Proc., 31st Annu. Meeting:60-67. 1966. 44.9 N818
- 27137 MCLACHLAN, T. A public analyst looks at the dairy and ice cream industry. Dairy Indus. 31 (12):984-987. Dec.1966. 44.8 D1427 Great Britain.
- 27138 MUCKE, H., and BERZ-LIST, G. Determination of an optimal production program of a dairy division with a "linear programming" method. (Ge) Deut. Milk-Zeitung 87(50):2094-2099. (Cont.) Dec.15,1966. 44.8 Su2
- 27139 MUCKE, H., and BERZ-LIST, G. Determination of the optimal program of a milk plant section with a "linear programming" method. (Ge) Deut. Milk-Zeitung 87(49):2057-2060. Dec.8, 1966. 44.8 Su2
- 27140 MUELLER, W. F. Merger policy in the dairy industry. Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.:50-66. 1966. 280.3449 M583
- 27141 NEDERLANDSE ZUIVELBOND. Jaarverslag [Annual report], 1965. 's-Gravenhage, 1966. 96 p. 44.9 A13V
- 27142 NEW ZEALAND DAIRY BOARD. Fifth annual report and statement of accounts for the year ended 31 May, 1966. Wellington, 1966. 105 p. 44.9 N4892
- 27143 NORTHEASTERN DAIRY CONFERENCE, 31, BOSTON, MASSACHUSETTS, 1966. Proceedings of the annual meeting. n.p., 1966. 71 p. 44.9 N818
- 27144 PARKS, M. S., ZABIK, M. E., and STINE, C. M. Substitution of foam spray-dried acid whey solids for buttermilk solids in chocolate cake. Mich. Agr. Exp. Sta. Quart. Bull. 49(1): 43-50. Aug.1966. 100 M585
- 27145 ROTH, A. G. The history of cheese: new material from old papers. (Ge) Schweiz. Milchzeitung 92(94):754. (Cont.) Nov.25,1966. 44.8 Sch82
- 27146 SCHULZ, M. E. Discussion on dairy problems in Japan: introductory notes on the occasion of awarding the Hermann Weigmann Medal to Professor Dr. T. Nakanishi, Japan. (Ge) Milchwissenschaft 21(10):611-618. Oct.1966. 44.8 M5933 English summary.
- 27147 SMITH, E. R. Solving problems in the dairy industry through inter-organizational activity. Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.:82-85. 1966. 280.3449 M583
- 27148 STORGARDS, T. The production of consumer milk. (It) Latte 40(7):498-505. July 1966. 44.8 L35
- 27149 SVENSEN, A. Some observations on new milk products and conservative dairy industry. (No) Meieriposten 55(49):1040-1041. Dec.10,1966. 44.8 M47
- 27150 TIERSMA, P. Developments in cheese and the cheese industry in the Netherlands. (Du) Conserva 14(11):259-264. May 1966. 389.8 C7632 French summary.
- 27151 YEREX, D. K. Dairy production broke all records. New Zeal. Studmasters' Annu. Rev. 18: 19. 1966. 49.7 N48
- Analysis and Composition
- 27152 BARMAN, T. E., and GUTFREUND, H. The catalytic-centre activity and kinetic properties of bovine milk alkaline phosphatase. Biochem. J. 101(2):460-466. Ref. Nov.1966. 382 B52
- 27153 BEROZA, M., and BOWMAN, M. C. Correlation of pesticide polarities with efficiencies of milk extraction procedures. Ass. Offic. Anal. Chem. J. 49(5):1007-1012. Oct.1966. 381 As7
- 27154 BILLS, D. D., and DAY, E. S. Dextranase activity of lactic streptococci. J. Dairy Sci. 49(12):1473-1477. Ref. Dec.1966. 44.8 J622
- 27155 BISERTE, G., and others. Study of the alpha-lactalbumin in cow's milk. I-III. (Fr) Soc. Chim. Biol. Bull. 48(10):1107-1117,1119-1123. Ref. 1966. 383 S01
M. Dautrevaux, F. Crouwy, Y. Moschetto, and K. Han, joint authors.
English summary.
- 27156 BLEUMINK, E. Milk allergy, the atopic allergin in cow's milk. (Du) Ned. Melk-Zuiveltijdschr. 20(3):213-227. Ref. July/Sept.1966. 44.8 N283 English summary.
- 27157 CANTONI, C., MOLNAR, M. R., and RENON, P. Research on the lipolytic action of Propionibacterium. (It) Arch. Vet. Ital. 17(5):335-342. Ref. Oct.31,1966. 41.8 Ar25 English summary.
Action on milk fat.
- 27158 CASADO CIMIANO, P. Variation in the re-fraction index of butterfat. (Sp) Indus. Lacteos 15(1):14-15. Jan.1966. 286.85 In83
- 27159 CORNELL, D. G., and PALLANSCH, M. J. Counting and sizing fat globules electronically. J. Dairy Sci. 49(11):1371-1375. Nov.1966. 44.8 J622 In milk.
- 27160 DABBAH, R., and MOATS, W. A. Correlation between standard plate count and four direct microscopic count procedures for milk. J. Milk Food Technol. 29(12):366-371. Dec.1966. 44.8 J824
- 27161 DIJKMAN, A. J., SCHIPPER, C. J., and WALSTRA, P. Preliminary communication on the use of the Coulter Counter in the estimation of the cell number of milk. (Du) Ned. Melk-Zuiveltijdschr. 20(3):193-203. July/Sept.1966. 44.8 N283 English summary.
- 27162 GLASS, R. L., and TROOLIN, H. A. Dialkyl carbonate-induced transesterification for analysis of fatty acids in milk. J. Dairy Sci. 49(12):1469-1472. Ref. Dec.1966. 44.8 J822 Chromatography.
- 27163 HALTENBERGER, O. K. The standardization of food curds to a desired fat content. (Ge) Deut. Milk-Zeitung 87(48):2027-2028. Dec.1, 1966. 44.8 Su2
- 27164 HAUKE, H., and LUTTICH, V. Studies on the aptitude of Feulgen's reaction for the rapid determination of the cell content of milk. (Ge) Milchwissenschaft 21(10):620-624. Ref. Oct. 1966. 44.8 M5933 English summary.
- 27165 KONING, P. J. DE, EISSES, J., and VRIES, H. DE. A method for the detection of small percentages of whey powder in milk powder. Ned. Melk-Zuiveltijdschr. 20(3):204-212. Ref. July/Sept.1966. 44.8 N283
- 27166 LANG, K. On the bacterial content of pasteurized milk. (Ge) Arch. Lebensmittelhyg. 17(10): 221-226. Ref. Oct.1966. 41.8 L49
- 27167 MARTIN, J. H., HARPER, W. J., and GOULD, L. A. Ultra-high temperature effects on selected Bacillus species. J. Dairy Sci. 49(11):1367-1370. Nov.1966. 44.8 J822 In milk.
- 27168 MCLACHLAN, T. A public analyst looks at the dairy and ice cream industry. Food Trade Rev. 36(11):54-57. Nov.1966. 389.8 F7334
- 27169 MICHAELS, A. S., and KREVELD, A. VAN. Influences of additives on growth rates in lactose crystals. Ned. Melk-Zuiveltijdschr. 20(3):163-181. Ref. July/Sept.1966. 44.8 N283
- 27170 MOISEVICH, S., and VINOKUROVA, N. Testing effectiveness of the quick methods used for bacteriological control of milk. (Rus) Moloch. Prom. 12:29. Dec.1966. 44.8 M734
- 27171 NAKAI, S., WILSON, H. K., and HERREID, E. O. Calculation of the molecular size of kappa-casein fractions obtained by gel-filtration after storage and remian action. J. Dairy Sci. 49(12): 1557-1559. Dec.1966. 44.8 J822

- 27172 NAKAI, S., WILSON, H. K., and HERRED, E. O. Effect of alkalization, oxidation, reduction, and storage on elution patterns of K-casein obtained by gel filtration. *J. Dairy Sci.* 49(11):1331-1337. Ref. Nov.1966. 44.8 J822
- 27173 O'BRIEN, J. E. Automated test for milk phosphatase. *J. Dairy Sci.* 49(12):1482-1487. Dec. 1966. 44.8 J822
- 27174 PAYENS, T. A. J. Association of caseins and their possible relation to structure of the casein micelle. *J. Dairy Sci.* 49(11):1317-1324. Ref. Nov.1966. 44.8 J822
- 27175 PEREIRA, R. R., HARPER, W. J., and GOULD, I. A. Volatile sulfur compounds in milk. I. Effect of chemical form of ^{35}S on selective labeling of milk constituents and free sulfur compounds. *J. Dairy Sci.* 49(11):1325-1330. Ref. Nov.1966. 44.8 J822
- 27176 ROBERTSON, J. A., and HARPER, W. J., and GOULD, I. A. Influence of selected inhibitors on milk lipase. *J. Dairy Sci.* 49(11):1386-1393. Ref. Nov.1966. 44.8 J822
- 27177 ROBERTSON, J. A., HARPER, W. J., and GOULD, I. A. Some factors affecting free acid distribution in lipase-hydrolyzed milk fat. *J. Dairy Sci.* 49(11):1394-1400. Ref. Nov.1966. 44.8 J822
- 27178 RUIG, W. G. DE. Radioactivity control of milk in the Netherlands. *Ned. Melk- Zuiveltechnisch.* 20(5):182-192, map. Ref. July/Sept.1966. 44.8 N283
- 27179 SAMBORSKI, Z. Studies on the catalase activity in the cow milk. (Pol) Wrocław. Wyzsza Szkoła Roln. Zeszyty Nauk. Weter. 18:125-142. Ref. 1965. 41.9 B753
English summary.
- 27180 SATO, Y., and OHMIYA, K. Study on protease of dairy bacteria. II. *Agr. Biol. Chem.* 30(8): 731-741. Aug.1966. 385 Ag8B
- 27181 SEITZ, E. W. Effect of carbon dioxide, oxygen, and nitrogen on growth rate of *Streptococcus diacetylactis* 18-16 in Elliker's medium. *J. Dairy Sci.* 49(12):1565-1567. Dec.1966. 44.8 J822
- 27182 SHERBON, J. W., and COULTER, S. T. Relation between thermal properties of butter and its hardness. *J. Dairy Sci.* 49(11):1376-1380. Ref. Nov.1966. 44.8 J822
- 27183 TEAGUE, R. T., and JOE, F. L. Determination of unsaponifiable residues in milk. *Ass. Offic. Anal. Chem. J.* 49(5):959-963. Oct.1966. 381 As7
From drugs added to feed.
- 27184 TOLLE, A. Cells in milk. (Ge) *Deut. Mol.-Zeitung* 87(46):1949-1951. Nov.17,1966. 44.8 Su2
- 27185 WALTER, W. G. Report for progress—Standards and Methods for the Examination of Dairy Products, 12th edition. *J. Milk Food Technol.* 29(11):338-341. Nov.1966. 44.8 J824
- 27186 WILLITS, R. E., and BABEL, F. J. Factors related to the estimation of catalase activity in milk. *J. Milk Food Technol.* 29(12):363-365. Ref. Dec.1966. 44.8 J824
- 27187 WINKLER, S. Detection of *Clostridia*. I. Experiments with pure cultures. (Ge) *Milchwissenschaft* 21(10):624-631. Ref. Oct.1966. 44.8 M5933
English summary.

Consumption and Utilization

- 27188 PARRY, S. P., and CHILDRESS, R. A. Attitudinal changes toward milk by students at different grade levels. *Hamilton County Schools, 1964. Tenn. Farm Home Sci. Progr. Rep.* 58: 10-12. Apr./June 1966. 100 T25F
- 27189 QUACKENBUSH, G. G. Milk and dairy products findings. *Nat. Ind. Anim. Agr. Proc.* 16: 52-55. 1966. 49.9 N219
Consumer preferences; includes research methods.
Discussion, p.67-70.

Distribution, Marketing, and Transportation

- 27190 ADAMY, C. G. How retailers view the situation and how they're organizing—implications for marketing. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 40-46. 1966. 280.3449 M583
- 27191 CLEMENT, W. E. Reporting the effect of promotion on milk sales. *Northeast. Dairy Conf. Proc., 31st Annu. Meeting* 37-43. 1966. 44.9 N818
- 27192 DREWS. Aspects of cheese marketing. (Ge) *Molk.-Kaserei-Zeitung* 17(50):2001. Dec.14, 1966. 44.8 M736
- 27193 HALL, O. O. NEMPA plants fill definite need, stabilize market and give value to producers' excess milk. *New Engl. Dairyman* 51(1):12-13, 18. Jan.1967. 44.8 N44
- 27194 HOBBIIE, C. K. Role of management in cooperatives. *Northeast. Dairy Conf. Proc., 31st Annu. Meeting* 9-15. 1966. 44.9 N818
- 27195 KOHLS, R. L. The state of the cooperative movement. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 30-35. 1966. 280.3449 M583
- 27196 LAKE, G. Cooperative legislation. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 67-71. 1966. 280.3449 M583
- 27197 LINGONBLAD, O. Butter on the way from the churn to storage. (Sw) *Mejeritidskrift* 27(6): 222-223. Dec.1965. 44.8 M472
- 27198 MEHLHORN, R., POSCHEL, R., and KRIENKE, H. J. First experiences with the reorganization of milk collection in the Schwerin dairy district. (Ge) *Deut. Landwirt.* 17(10):484-489, map. Ref. Oct.1966. 18 D4822
- 27199 METZGER, H. B., and TAYLOR, R. A. Short run responses to milk price changes. *Maine Farm Res.* 14(2):1-3. July 1966. 100 M20Ma
- 27200 MIDWEST MILK MARKETING CONFERENCE, 21, EAST LANSING, MICHIGAN, 1966. Proceedings, East Lansing, Michigan State University, 1966. 103 p. 280.3449 M583
The program: Trends and turnaround in the dairy industry and the implications for marketing and power.
- 27201 MOGAN, T. How handlers view the situation and how they are organizing—implications for marketing and power. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 36-39. 1966. 280.3449 M583
- 27202 QUEENSLAND. BUTTER MARKETING BOARD. Annual report and final accounts for the year ended 30th June, 1966 and balance sheet at 30th June, 1966. Brisbane, 1966. 15 p., map. 280.3449 Q3
- 27203 SULLIVAN, W. G. Dairymen's class I base plan—discussion and observations. *Northeast. Dairy Conf. Proc., 31st Annu. Meeting* 68-71. 1966. 44.9 N818
Marketing and returns from dairy products.
- 27204 TOWNE, E. E. Responsibility of a cooperative to its membership. *Northeast. Dairy Conf. Proc., 31st Annu. Meeting* 16-19. 1966. 44.9 N818
- 27205 WAGNER, G. W. Cooperatives from a legal-power standpoint. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 23-29. 1966. 280.3449 M583
- 27206 WAGNER, G. How operating cooperatives view the situation and how they are organizing—implications for marketing. *Midwest. Milk Marketing Conf. Proc., 21st Annu. Conf.* 47-49. 1966. 280.3449 M583
- 27207 WESTERN AUSTRALIA. MILK BOARD. Report, 1966. Perth, 1966. 18 p. 44.9 W523
Marketing and other aspects of the industry.

Grading, Inspection, Standardization, and Quality

- 27208 ALBERTARIO, P. Community standards for butter. (It) *G. Agr.* 76(44):466. Oct.30,1966. 16 It1G

- 27209 BANDLER, D. K. Sampling and scoring procedures. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 40:93-95. 1966. 44.9 N4833
For flavor.
- 27210 BERRIDGE, N. J. Reproducible volume delivered by an 0.01 ML "loop." J. Milk Food Technol. 29(12):371. Dec. 1966. 44.8 J824
- 27211 CARBONE, E. Trends in the quality of milk production. (It) Turin. Accad. Agr. Ann. 107: 163-176. 1964/65. 16 T63
- 27212 DEMOTT, B. J., and others. Secretion of heptachlor epoxide in milk. J. Dairy Sci. 49(12): 1495-1499. Ref. Dec. 1966. 44.8 J822
J. T. Miles, S. A. Hinton, and L. J. Hardin, joint authors.
- 27213 DEUTSCHE LANDWIRTSCHAFTS-GESELLSCHAFT. Qualitätsprüfungen für Milch und Milcherzeugnisse; prüfungsbestimmungen 1967 [Quality tests for milk and dairy products; tests 1967]. Frankfurt am Main, 1967. 115 p. 44.9 D482
Library has also issue for 1966, 107 p.
- 27214 DISSET, R. Regulation of the manufacture and marketing of goat cheese. (Fr) Patre 125:20-21. July 1965. 45.8 P272
- 27215 GARBE, E. F. USDA grades nonfat dry milk. Agr. Marketing [Washington] 11(12):11. Dec. 1966. A280.38 Ag8
- 27216 KLIMENKO, B. Quality improvement urged in cheese production. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 146:6-10. Oct. 17, 1966. (JPRS 38,173; TT 66-34600) 173 J663Tro
Translation from Ekonomicheskaya Gazeta. 30:34. July 1966.
Issued by CFSTI.
- 27217 MILANOVIC, A. The number of facultative poisoning bacteria as the criterion in the evaluation of sanitation quality of hard cheeses. (Se) Veterinaria [Sarajevo] 15(1):105-110. 1966. 41.8 V6494
English summary.
Excerpt from thesis.
- 27218 NIZZOLA, I. Criteria for the maintenance of the standardization of our cheese production. (It) Mantova 56:37-42. Sept./Oct. 1966. 287 M315
- 27219 SALKELD, J. N. A study of albuminous cream. Dairy Top. 11(3):17-19. May/June 1966. 44.8 D1444
Flavor defects and lactic acid content.
- 27220 URBANELLI, L., and CIAMPIS, A. DE. Irradiated and vitamin-D fortified milk; considerations on today's legislative directions in Italy. (It) Clin. Vet. 89(9):290-294. Ref. Sept. 1966. 41.8 C61
English summary.
- 27221 VEER, H. J. TER, and BOOGAERT, D. H. VAN A. Note on the regulation with reference to the quality improvement of milk. (Du) Veeteelt Zuivelver. 9(7/8):287-292. July/Aug. 1966. 49 V51
- 27222 WAUGH, I. M. Check testing protects the farmer. S. Australia J. Agr. 70(3):110-113. Oct. 1966. 23 S34
Regulations for milk and cream.
- 27223 WEIGOLD, G. W. Sanitation problems in utilization of American dairy products overseas. J. Milk Food Technol. 29(12):374-378. Dec. 1966. 44.8 J824
- 27224 WITT, J. M., and others. Variations of pesticide residues in Arizona milk. J. Dairy Sci. 49(11):1406-1409. Ref. Nov. 1966. 44.8 J822
R. C. Angus, J. W. Shull, W. H. Brown, and F. M. Whiting, joint authors.

Packing and Packaging

- 27225 ASCOT, A. Plastic gains in Canada's milk packaging market. Food Can. 26(12):34-35. Dec. 1966. 389.8 F7323
- 27226 TUCHENHAGEN, O. Mechanical cleaning of milk tanks and collection trucks. (Ge) Deut. Mol. -Zeitung 87(45):1913-1916. Nov. 10, 1966. 44.8 Su2

Prices, Price Control, and Rationing

- 27227 BIRDSALL, H. E. Federal order legislation—what is needed. Midwest Milk Marketing Conf. Proc., 21st Annu. Conf.:76-81. 1966. 280.3449 M583
Prices.
- 27228 BLAKESLEE, W. Federal milk order legislation. Midwest Milk Marketing Conf. Proc., 21st Annu. Conf.:72-75. 1966. 280.3449 M583
Prices.
- 27229 GRAF, T. F. The dairy problem; an analysis of various government dairy price alternatives. Milk Prod. Gaz. 26(9):3-4. Sept. 1965. 44.8 M5995
- 27230 HARRIS, E. S. Price wars in city milk markets. U. S. D. A. Agr. Econ. Rep. 100,95 p., map. Oct. 1966. A281.9 Ag8A
- 27231 LAUGHTON, C. Stay away from F.O.B. farm prices, delegates urged by dairy leader. New Engl. Dairyman 51(1):10-11, 18. Jan. 1967. 44.8 N44

Processing and Storage

- 27232 ABELE, C. A. The role of acids in dairy and food equipment sanitation. J. Milk Food Technol. 29(12):379-382. Dec. 1966. 44.8 J824
- 27233 ASCARI, T. A little rest and then butter. (It) Modena 72(9):15-19, 44. Oct. 1965. 230.9 M722
- 27234 BALDUCCI, A. A system developed in Italy for the production of a new type of drinking milk. (Ge) Fette, Seifen, Anstrichmittel 68 (10):885-888. Oct. 1965. 384 C422
Sterilization.
- 27235 BAQUERO, E., M. Production of pure milk. (Sp) Indus. Lacteos 15(1):24-25. Jan. 1966. 286.85 In83
Sanitation and pasteurization.
- 27236 BENTERUD, O. Education in Norwegian dairying. (No) Meieriposten 55(40):860-862. Oct. 8, 1966. 44.8 M47
- 27237 BOCCALARI, F. Higher Dairy-Cheese Institute [Istituto Superiore Lattiero Caseario] an operating reality that cannot be ignored. (It) Mantova 56:55-58. Sept./Oct. 1966. 287 M315
At Mantua.
- 27238 BYRE, O. Some investigations on the efficiency of whey skimming. (No) (Cont.) Meieriposten 55(49):1042-1053. Dec. 10, 1966. 44.8 M47
In cheese manufacture.
- 27239 DAIRY RESEARCH INSTITUTE (NEW ZEALAND). Thirty-eighth annual report for year ended 31st July 1966. Palmerston North, 1966. 67 p. 44.9 D146A
- 27240 GAC, A. Refrigeration of milk during production. (Sp) Rev. Frio 11(2):79-90. Apr./June 1966. 295.8 R326
- 27241 GONCHAROV, N. Equipping the USSR dairy industry with modern machinery. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 149:1-4. Nov. 3, 1966. (JPRS 38,467; TT 66-34892) 173 J663Tro
Translation from Molochnaya Promyshlennost' 27(8):32-34. 1966.
Issued by CFSTI.
- 27242 HANSEN, R. Preparation of ultra high pasteurized, aseptic bottled cream for whipping. (Da) Nord. Mejeri-Tidsskr. 32(9):288-289. 1966. 44.8 N752
- 27243 HANSEN, R. Two kinds of ultra high pasteurized milk. (Da) Nord. Mejeri-Tidsskr. 32(9): 272-273, 275-276, 279. 1966. 44.8 N752
- 27244 HARDING, H. G. Water Quality Act of 1965—impact on the dairy and food industry. J. Milk Food Technol. 29(11):350-353. Nov. 1966. 44.8 J824
- 27245 KAUPPI, L. Bulk collecting of milk in the Lahti district. (Sw) Mejeritidskrift 27(6): 224-227. Dec. 1965. 44.8 M472

- 27246 KEENAN, T. W., and LINDWAY, R. C. Removal of green flavor from ripened butter cultures. *J. Dairy Sci.* 49(12):1563-1565. Dec.1966. 44.8 J822
- 27247 LANG, F. The unique operation of reprocessing cheese factory butter. *Milk Indus.* 59(6): 28-31. Dec.1966. 44.8 M593
- 27248 LEACH, B. E., RAINEY, N. H., and PAL-LANSCH, M. J. Physical and chemical analyses of film formed at air-water interface on reconstitution of whole milk powders. *J. Dairy Sci.* 49(12):1465-1468. Ref. Dec.1966. 44.8 J822
- 27249 LEDER, K. H. Behavior of sour milk with varying fat content upon centrifuging. (Ge) *Milchwissenschaft* 21(10):632-635. Oct.1966. 44.8 M5933
English summary.
Used in cheese manufacture.
- 27250 MARTH, E. H., and others. Extended storage of microbial cultures and culturing anaerobic bacteria with plastic pouches. *J. Dairy Sci.* 49(12):1559-1562. Dec.1966. 44.8 J822
J. E. Sherman, L. Hasenzahl, and R. W. Hussong, joint authors.
- 27251 MASTAKOV, N., and RASSIKHINA, G. Effect of thermal milk processing on its vitamin content. (Ru) *Moloch, Prom.* 12:25-27. Dec.1966. 44.8 M734
- 27252 MCGILLIVRAY, W. A., and others. Mechanised cheesemaking made to work. *Dairy Indus.* 31(12):977-983. Ref. Dec.1966. 44.8 D1427
P. S. Robertson, D. W. King, W. L. Harkness, and R. Bysouth, joint authors.
Chiefly Cheddar cheese.
- 27253 MCRAE, W. A., and SANDERS, B. H. Electro-dialysis of milk and whey. (Ge) *Fette, Seifen, Anstrichmittel* 68(10):888-896. Oct.1966. 384 C422
English summary.
- 27254 MUKHERJEE, R. N., LEEDER, J. G., and CHANG, S. S. Improvement of keeping quality of butteroil by selective trace-hydrogenation and winterization. *J. Dairy Sci.* 49(11):1381-1395. Ref. Nov.1966. 44.8 J822
- 27255 NAKANISHI, T. Dairy research in Japan. (Ge) *Milchwissenschaft* 21(10):618-619. Oct.1966. 44.8 M5933
English summary.
- 27256 EL-NEGOUMY, A. M. Urea extraction technique for preparation of whole alphas₂ and beta-caseins. *J. Dairy Sci.* 49(11):1461-1462. Nov. 1966. 44.8 J822
- 27257 PHILLIPS, G. M. Cheesemaking in the Chippinga area. *Rhodesia Agr. J.* 62(6):123-124. Nov./Dec.1965. 24 R34
- 27258 ROHSE, E. Graphic presentation for the standardization of food curds. (Ge) *Deut. Molk.-Zeitung* 87(44):1878-1883. Nov.3,1966. 44.8 Su2
- 27259 RUHNAU, B. The purification of dairy water supply. (Ge) *Deut. Molk.-Zeitung* 87(50):2093-2094. Dec.15,1966. 44.8 Su2
- 27260 SAMUELSSON, E. G., WALLGREN, K., and MAGNUSSON, F. Torrmjölks kvalitet vid tankhämning av mjölk. The influence of bulk collection of milk on the quality of milk powder. *Svenska Mejeriernas Riksför. Produkttekn.* Adv. Medd. 84,20 p. Ref. 1965. 44.9 Sv23
English summary.
- 27261 SCHWARTZ, D. P., BREWINGTON, C. R., and BURGWALD, L. H. Rapid qualitative procedure for removing cholesterol from butter fat. *J. Lipid Res.* 8(1):54-55. Jan.1967. 381 J8282
- 27262 STORGARDS, T. Ultra high pasteurization and aseptic packing of consumer milk. (Sw) (Sum.) *Nord. Mejeri-Tidskr.* 32(9):254,257-258,260,262,265-266. 1966. 44.8 N752
- 27263 SWARTLING, P. Dairy products in refrigeration. *Modern Refrigeration* 69(825):1041,1043. Dec.1966. 295.8 M72
- 27264 VOSS, E. The technology of manufacture of infection-free dairy products. (Ge) *Deut. Molk.-Zeitung* 87(48):2021-2024. Dec.1,1966. 44.8 Su2
- 27265 WEIGOLD, G. W. Sanitation problems in utilization of American dairy products overseas. *J. Milk Food Technol.* 29(12):374-378. Dec. 1966. 44.8 J824
- 27266 WESTERHULT, M. Ultra high pasteurized milk is now produced everywhere in Western Europe. (Sw) *Nord. Mejeri-Tidskr.* 32(9): 280-282. 1966. 44.8 N752
- 27267 ZOTTOLA, E. A., and MARTH, E. H. Dry-bled phosphate-treated milk media for inhibition of bacteriophages active against lactic streptococci. *J. Dairy Sci.* 49(11):1343-1349. Ref. Nov.1966. 44.8 J822
- 27268 ZOTTOLA, E. A., and MARTH, E. H. Thermal inactivation of bacteriophages active against lactic streptococci. *J. Dairy Sci.* 49(11):1338-1342. Ref. Nov.1966. 44.8 J822

Statistics

- 27269 BADEN-WÜRTTEMBERG. STATISTISCHES LANDESAMT. Erzeugung und Verwendung von Kuhmilch im Wirtschaftsjahr 1965/66 [Production and consumption of cow's milk in the fiscal year 1965/66]. *Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst* 36,2 p. Aug.15,1966. 265 St28

FEED AND FORAGE CROPS

- 27270 AUBREY, R. Feed industry progress. *Feed Indus. Conf. Proc.* 5th Annu. Conf.:32-35. 1965. 389.79 F325
Canada.
- 27271 BARAN, M., and LYSSIOVA, J. On some problems of the industrial drying of alfalfa and its processing into a vitamin-rich meal. (Cz) *Pol'nohospodarstvo* 12(8):660-670. 1966. 19.5 P752
English summary.
- 27272 BICKOFF, E. M. Coumestrol and other phenolics in alfalfa. *U. S. Agr. Res. Serv. ARS-74-36:45-49.* 1965. A381 R31Ab
- 27273 BONAMIN, G. Cost of pelleting in the feed industry. (It) *Tec. Molitoria* 17(20):501-504. Oct.30,1966. 298.8 Se42
- 27274 BORDEIANU, C., and CEASESCU, F. Feed supply problems at animal husbandry complexes in Rumania. *U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus.* 500:12-15. Dec.2,1966. (JPRS 38,922. TT 66-35346) 173 J663Ste
Translation from *Scintia* 36(7137):1,3. Oct.20,1966.
Issued by CFSTI.
- 27275 CANADA. BUR. OF STATISTICS. Feed manufacturers, 1964. Ottawa, 1966. 18 p. (Annual Census of Manufacturers) 253 C335F
- 27276 CHESTNUTT, D. M. B., and RUTHERFORD, A. A. The effect of sample size on the precision of botanical composition estimates. *Northern Ireland. Rec. Agr. Res.* 14(1):1-3. 1965. 10 N81R
Forage plants.
- 27277 CHRISTENSEN, B. H. Industrial roughage production. (Da) *Tolvmandsblad* 38(4):217-220. Apr.1966. 11 T58
Feed manufacture.
- 27278 COTTIN, B. Determination by gas phase chromatography of volatile fatty acids in aqueous extracts of ensilage and in rumen contents. (Fr) *Rev. Agr. [Brussels]* 19(9):973-983. Ref. Sept.1966. 13 R322
- 27279 EGGW, B. O. Protein quality of forage crops. (Da) *Tolvmandsblad* 38(10):546-552. Ref. Oct.1966. 11 T58
- 27280 ELEMA, J. Comparison of methods of analysis for determination of fluid fatty acids, with special attention to propionic acid content. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(6):345-350. Ref. Oct.1966. 389.78 Z3
English summary.
In silage or rumen fluid.

- 27281 ERBERSDOBLER, H., and ZUCKER, H. Quick determination of the protein quality of dry skim milk. (Ge) Kraftfutter 49(7):346-348. July 1966. 389.78 K85
- 27282 FEED INDUSTRY CONFERENCE, 5, RED DEER, ALBERTA, 1965. Proceedings. Edmonton, 1965? 35 p. 389.79 F325
- 27283 GERI, G. Research on a new method of evaluating silage for the feeding of ruminants. (It) Aliment. Anim. 10(5):201-212. (Cont.) May 1966. 389.78 AL4
- 27284 GIVENS, J. E. Feed man's challenge great to help lead agricultural industry. Feed Bag 42(12):6-7,15. Dec.1966. 389.78 F32
- 27285 GROBKE, J. Mixed feed delivery in tank trucks. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (44):1634,1636,1638. Nov.3,1966. 18 N39
- 27286 HAALCK, G. Price value of feed mixtures in swine fattening. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 145:21-25. Nov.15,1966. 281.8 B462
Prices and costs.
- 27287 HABASHI, F. Radioactivity in phosphate animal feed and fertilizers. Ass. Offic. Anal. Chem. J. 49(5):944-945. Ref. Oct.1966. 381 As7
- 27288 HUTCHINGS, K. H. The role of feed testing. Feed Indus. Conf. Proc., 5th Annu. Conf.:17-21. 1965. 389.79 F325
Canada.
- 27289 JENSEN, A. Algal carotenoids. V. Iso-fuco-xanthin—a rearrangement product of fucoxanthin. Acta Chem. Scand. 20(6):1728-1730. 1966. 385 Ac82
A chemical study with reference to use of seaweed meal in poultry rations.
- 27290 KAMSTRA, L. D., and JAHN, J. R. Pelleting good and poor quality prairie grasses at different temperatures and pressures. J. Range Manage. 19(4):196-200. Ref. July 1966 60.18 J82
- 27291 KERESZTES-NAGY, S., and MARGOLIASH, E. Preparation and characterization of alfalfa ferredoxin. J. Biol. Chem. 241(24):5955-5966. Ref. Dec.25,1966. 381 J824
- 27292 KNIGHT, A. D., and others. Collection and summarization of feed composition data. III. Coding of the source form for summarizing feed composition data. J. Dairy Sci. 49(12):1548-1556, map. Ref. Dec.1966. 44.8 J822
L. E. Harris, E. W. Crampton, and A. Denney, joint authors.
- 27293 KOHLER, G. O., and others. Composition of standard and super grades of alfalfa. U. S. Agr. Res. Serv. ARS-74-36:25-28. 1965. A381 R31Ab
J. Chrisman, R. Palter, J. Guggolz, and V. Herring, joint authors.
- 27294 KUNERT, G. Research on the lipolysis in oil cakes. (Ge) Arch. Tierernähr. 16(2/3):247-253. May 1966. 389.78 Ar22
English summary.
- 27295 LAKITS, GY., and MATYAS, J. Development of the production of industrial feed mixtures in Hungary. (Hu) Magyar Allatorv. Lapja 21 (11):520-522. Nov.1966. 41.8 V644
- 27296 LEE, C. F., AMBROSE, M. E., and SMITH, P. Determination of lipids in fish meal. Ass. Offic. Anal. Chem. J. 49(5):946-949. Ref. Oct. 1966. 381 As7
- 27297 LIVINGSTON, A. L., and others. Xanthophyll and carotene stability during alfalfa dehydration. J. Agr. Food Chem. 14(6):643-644. Ref. Nov./Dec.1966. 381 J8223
R. E. Knowles, M. Israelson, J. W. Nelson, A. C. Mottola, and G. O. Kohler, joint authors. Alfalfa meal.
- 27298 MARAZ, J. Supplying production cooperatives with mixed feed. (Hu) Malomipar Termenyforgalom 13(6):227-230. Nov./Dec.1966. 298.8 M292
- 27299 MCCULLOUGH, M. E. Use these forage standards. Hoard's Dairymen 111(24):1479. Dec.25,1966. 44.8 H65
Testing feed for crude proteins and total digestible nutrients according to standards set up by the American Grassland Council.
- 27300 MEAGHER, W. R. Herbicides in peel: a heat-labile insoluble conjugated form of 2,4-dichlorophenoxyacetic acid and 2-(2,4,5-trichlorophenoxy)propionic acid in citrus peel. J. Agr. Food Chem. 14(6):599-601. Nov./Dec.1966. 381 J8223
Residues in orange peel converted to feed.
- 27301 NYIREDY, I. The disinfection on infected feed stuffs using ethylene oxide gas treatment. (Hu) Magyar Allatorv. Lapja 21(11):486-487. Ref. Nov.1966. 41.8 V644
English summary.
- 27302 PARRISH, D. B. History and future of the AOC chemical method for vitamin A. Ass. Offic. Anal. Chem. J. 49(5):1066-1071. Ref. Oct.1966. 381 As7
In manufactured feeds.
- 27303 PERREITER, G. Increasing prosperity demands more grain! (Ge) Mitt. Deut. Landwirt.-Ges. 81(47):1725-1726. Nov.24,1966. 18 N39
For feed.
- 27304 PLANTZ, C. B. Are the DLG standard mixed feeds sufficiently controlled? (Ge) Mitt. Deut. Landwirt.-Ges. 81(47):1728-1730. Nov.24,1966. 18 N39
- 27305 ROGERS, W. T. Bulk handling of feed. Feed Indus. Conf. Proc., 5th Annu. Conf.:25-26a. 1965. 389.79 F325
Canada.
- 27306 SCHRODER, I., and NEHRING, K. Research on the enzymatic hydrolysis of protein feeds. V. The amino acids of the enzymatic residue. (Ge) Arch. Tierernähr. 16(2/3):237-242. May 1966. 389.78 Ar22
English summary.
- 27307 SIKOJEV, V. I. Determination of amino acids in feed with use of the FN 13 chromatography of the Firm "Filtrak" DDR. (Ge) Arch. Tierernähr. 16(2/3):243-246. May 1966. 389.78 Ar22
English summary.
- 27308 SKULMOWSKI, J., and WIERCINSKI, J. Determination of microelement content in feeds by the polarographic method. III. Molybdenum content in hay from the meadows of the Lublin District. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD. 20:179-189, map. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 27309 STONE, L. R. Analytical methods for diethylstilbestrol in feeds and premixes. Ass. Offic. Anal. Chem. J. 49(5):895-898. Oct.1966. 381 As7
- 27310 TINKLER, F. H., and others. Identification of supplemental d- and dl-alpha-tocopheryl acetate in premixes, feed concentrates, and feeds. Ass. Offic. Anal. Chem. J. 49(5):1060-1066. Oct.1966. 381 As7
F. V. Passero, S. R. Ames, and D. R. Nelan, joint authors.

FIBERS AND TEXTILES

- 27311 AGUILLARD, W. Fiber testing program aids State's cotton industry. La. Agr. 10(1):3,16. Fall 1966. 100 L939
- 27312 ALLSCHER, R., and LEINS, H. Differences in the reaction of various N-methylol compounds in the cross-linking of cellulose fibers. II. (Ge) Melland Textilber. 47(11):1308-1314. Nov.1966. 304.8 T312
- 27313 AMERICAN HOME ECONOMICS ASSOCIATION. TEXTILES AND CLOTHING SECT. Textile handbook. Ed. 3, rev. Washington, 1966. 110 p. Ref. TS1445.A4
Includes discussion of textile fibers and their properties.

- 27314 ASQUITH, R. S., and SHAW, T. A preliminary investigation of the products of partial acid hydrolysis of gamma-keratose. *Textile Inst. J.* 57(6):T242-T253. Ref. June 1966. 73.9 T31
In wool oxidation.
- 27315 BLACKLEY, S. R. Wool prices must safeguard the revenue of sheep raising. (Fr) *Mouton* 21 (5):49-50. May 1966. 45.8 M86
In Great Britain.
- 27316 BRADY, N. C. USDA and cotton's future. *U. S. Agr. Res. Serv. ARS-72-41:17-21*. Nov. 1965. A381 R31
- 27317 BRANNEN, S. J. Stability of the cotton and tobacco industries under present and alternative programs. *J. Farm Econ.* 48(5):1444-1454. Ref. Dec. 1966. 280.8 J822
Includes discussion by R. Billingsley.
- 27318 CABLE, C. C. Quality preservation—a key to cotton's future. *Crop Comments* 20(5):3. Sept./Oct. 1966. 57.8 C88
Chiefly ginning.
- 27319 CANADA, BUREAU OF STATISTICS. Wool mills, 1964. Ottawa, 1966. 32 p. (Annual Census of Manufactures) 253 C335
Includes raw materials used.
- 27320 CLAYTON, G. E. N.Z. wool production has soared. *New Zeal. Studmasters' Annu. Rev.* 18: 20. 1966. 49.7 N48
- 27321 CONNER, C. J. Weather-resistant treatment for jute burlap. *Amer. Dyestuff Rep.* 55(26): 19. Dec. 19, 1966. 306.8 Am3
- 27322 CREELY, J. J., GARBRINK, P., and CONRAD, C. M. Thermoplasticity of acetylated cotton yarns. *U. S. Agr. Res. Serv. ARS-72-41:22-25*. Nov. 1965. A381 R31
- 27323 D'ARCY, R. L., and WATT, I. C. The uptake of sulphuric acid vapour by wool. *Textile Inst. J.* 57(9):T416-T424. Ref. Sept. 1966. 73.9 T31
- 27324 DEN HELJER, Z. M. M. The felting rate of different wool types, mohair and wool/mohair blends in the Aachen felting test. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 83, 14 p. Sept. 1966. 304.9 So83T
- 27325 DRAKE, G. L., and others. Recent advances in the acid colloid finish. *U. S. Agr. Res. Serv. ARS-72-41:52-53*. Nov. 1965. A381 R31
E. K. Leonard, W. N. Berard, L. H. Chance, and W. A. Reeves, joint authors.
Formic acid colloid of methylomelamine to produce a rot-, weather-, and wrinkle-resistant finish for cotton fabric.
Discussion, p. 57-61.
- 27326 FIORI, L. A., and LOUIS, G. L. Interaction of spinning variables on yarn properties and spinning efficiency. *U. S. Agr. Res. Serv. ARS-72-41:6-7*. Nov. 1965. A381 R31
Discussion, p. 15-16.
- 27327 FRANKS, G. N., and SHAW, C. S. New development for improvement of stick machines. *Cotton Gin Oil Mill Press* 67(16):7, 19. July 30, 1966. 304.8 C822
Removal of limbs and stalks from roughly harvested cotton.
- 27328 GANGLI, B. Application of new research principles in jute spinning. (Hu) *Magyar Textiltech.* 18(11):510-512. Nov. 1966. 304.8 M27
- 27329 HERZOG, W. The tensile stress-elongation characteristics of spinning fibers. (Ge) *Melliand Textilber.* 47(11):1247-1251. Nov. 1966. 304.8 T312
Cotton and rayon included.
- 27330 HOLLIES, N. R. S., and KRASNY, J. F. The development of quick-drying, easy care cotton fabrics. *Amer. Dyestuff Rep.* 55(26):17-19. Dec. 19, 1966. 306.8 Am3
- 27331 HONOLD, E. A., ANDREWS, F. R., and LOUIS, G. L. The effects of mechanical processing actions on cotton fiber properties. *U. S. Agr. Res. Serv. ARS-72-41:10-11*. Nov. 1965. A381 R31
Discussion, p. 15-16.
- 27332 HUNTER, I. M., and KRUGER, P. J. A comparison of the tensile properties of kemp, mohair and wool fibres. *S. Afr. Wool Textile Res. Inst. Tech. Rep.* 84, 14 p. Sept. 1966. 304.9 So83T
- 27333 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of sann-hemp (fibre), 1964-65. New Delhi, 1965. 2 p. 269.5 In2Ain
- 27334 INTERNATIONAL COTTON ADVISORY COMMITTEE. Cotton consumption prospects in the 1966/67 season. *Cotton [Washington]* 20(5):1-13. Dec. 1966. 286.3729 In8C
- 27335 JANSSEN, H. J., and VIX, H. L. E. Rate of drying of chemically modified cotton fabrics. *U. S. Agr. Res. Serv. ARS-72-41:30-31*. Nov. 1965. A381 R31
- 27336 JAYME, G., and TROFTEN, J. The use of iron-tartaric acid-sodium-complexes for viscosimetric determination of the average degree of polymerization of celluloses. (Ge) *Melliand Textilber.* 47(12):1432-1436. Ref. Dec. 1966. 304.8 T312
- 27337 JONES, G. The degree of uniformity of cortical differentiation along the length of the wool fibre. *Textile Inst. J.* 57(8):T368-T371. Aug. 1966. 73.9 T31
- 27338 LAGIERE, R. Le cotonnier [The cotton plant]. *Tech. Agr. Prod. Trop.* 9, 306 p., map. 1966. 26 T22
Bibliography, p. 293-299.
Botany, morphology, physiology and ecology, improvement, culture, pathology, pests, marketing, byproducts, and economic position in the world.
- 27339 LALLOUR, M. Wool market in France: Unrest and indecision. (Fr) *Mouton* 21(10):85-86. Oct. 1966. 45.8 M86
- 27340 LEMOS, O. R. Extension in flax. (Sp) *Inform. Grasas Aceites*. Bol. 3(7):46. Sept. 1965. 307.8 In3
Policy in Argentina.
- 27341 LEURQUIN, P. Cotton growing in Colombia: achievements and uncertainties. *Food Res. Inst. Stud.* 6(2):143-180, map. Ref., p. 178-180. 1966. 389.8 F7382
- 27342 LEVITSKII, I. N. Assorted raw material—for industry. (Rus) *Len Konoplya* 11:33-34. 1966. 73.8 L542
Grading of flax.
- 27343 LOUIS, G. L., and others. Effect of harvesting and ginning variables and fiber length distribution on yarn properties and spinning efficiency of a California irrigated cotton. *U. S. Agr. Res. Serv. ARS-72-41:8-9*. Nov. 1965. A381 R31
L. A. Fiori, H. W. Little, and E. C. Kingsberry, joint authors.
Discussion, p. 15-16.
- 27344 LOUISIANA, STATE MARKET COMMISSION. Louisiana cotton gins, cotton seed oil mills, cotton seed delinting plants, bonded cotton warehouses, January 1, 1965. Baton Rouge, 1965. 16 p., map. 225 L935
- 27345 MARD, H. H. S., HAMALAINEN, C., and COOPER, A. S. Colorless weather-resistant finish for outdoor cotton fabrics. *Amer. Dyestuff Rep.* 55(25):70-73. Dec. 5, 1966. 306.8 Am3
- 27346 MEKE, D. M. Microscopical studies of detergent: dirt removal from naturally soiled fibres. *Textile Inst. J.* 57(8):T337-T343. Aug. 1966. 73.9 T31
Cotton.
- 27347 NATIONAL ASSOCIATION OF WOOL MANUFACTURERS. Bulletin. Volume XCV; 1966-7 organization and 1965 activities with statistics & other matters relating to the wool textile industry for 1965. New York, 1966. 271 p. 45.9 N21B
Includes raw material statistics.

- 27348 NATIONAL COUNCIL OF WOOL SELLING BROKERS OF AUSTRALIA. Wool and sheep statistics, 1964/65, chart. n.p., 1965. 286.3459 N21
Includes wool prices and statistics for prior years.
- 27349 PEPPER, H. Relation between surface properties of cotton finishes and wet soiling. U. S. Agr. Res. Serv. ARS-72-41:37-48. Ref. Nov. 1965. A381 R31
Fabrics.
Discussion, p.57-61.
- 27350 PORTER, B. R., and ORR, R. S. Survey of cotton fiber swelling in various liquids using the yarn untwisting test method. U. S. Agr. Res. Serv. ARS-72-41:26-28. Nov. 1965. A381 R31
- 27351 PRATI, G. Degree of polymerization of firm cottons. (It) Ric. Doc. Tessile 3(3):115-119. July/Sept. 1966. 304.8 R36
- 27352 PRATI, G., and SEVES, A. Viscosimetry of alkaline solutions of carboxymethylcellulose and relative value of the Martin-K constant. (It) Ric. Doc. Tessile 3(3):112-115. Ref. July/Sept. 1966. 304.8 R36
- 27353 ROFFAEL, E. B. Production of dissolving pulp from Egyptian reeds. Indian Pulp Pap. 21(4):281-286. Oct. 1966. 302.8 In23
- 27354 RUPERT, D. W. Problems of measurement, regulation, and control in factories for the production of non-wovens. (Sp) Ing. Textil 33(214):795-800, 802-806. Sept. 1966. 304.8 In4
- 27355 SCHEID, A. Today's fibers. Minn. Univ. Ext. 275.29 M66Ex
Properties and identification.
- 27356 SEVES, A., PRATI, G., and CENTOLA, G. Rheology of concentrated solutions of cellulose. III. (It) Ric. Doc. Tessile 3(3):99-111. July/Sept. 1966. 304.8 R36
English summary.
- 27357 SIMPSON, W. S., and VAN PELT, W. New catalysts for graft-copolymer formation in wool fibres. Textile Inst. J. 57(11):T493-T504. Nov. 1966. 73.9 T31
- 27358 SLINGER, R. I. A comparison of the WIRA [Wool Industries Research Association] single fibre length and fibre diagram machines. S. Afr. Wool Textile Res. Inst. Tech. Rep. 86, 12 p. 1966. 304.9 S83T
- 27359 SLOAN, W. G., and others. Recent advances in the production of all-cotton stretch textiles by slack mercerization. U. S. Agr. Res. Serv. ARS-72-41:56-61. Nov. 1965. A381 R31
H. B. Moore, M. J. Hoffman, A. S. Cooper, joint authors.
Includes discussion.
- 27360 TRIPP, V. W., and PICCOLO, B. Rapid elemental analysis of chemically treated cottons. U. S. Agr. Res. Serv. ARS-72-41:33-34. Nov. 1965. A381 R31
Textiles.
Discussion, p.57-61.
- 27361 VISWANATHAN, A. Frictional forces in cotton and regenerated cellulose fibres. Textile Inst. J. 57(6):T262-T264. June 1966. 73.9 T31
Reply by W. F. Du Bois, rejoinder by author.
- 27362 WHITFIELD, R. E. Some recent developments in wool research. U. S. Agr. Res. Serv. ARS-72-41:12-16. Nov. 1965. A381 R31
Wurlan process.
Includes discussion.
- 27363 YEAGER, J. H. Cotton's ups and downs. Highlights Agr. Res. [Ala. Sta.] 13(4):8. Winter 1966. 100 AL1H
- 27364 ZAHN, H. Chemical processes during the bleaching of wool and human hair with hydrogen peroxide and peroxy acids. (Ge) Soc. Cosmet. Chem. J. 17(12):687-701. Ref. Nov. 11, 1966. 449.9 S612
English summary.
- FRUITS, VEGETABLES, AND NUTS
- 27365 BEMIS, K. "The changing potato": Things to come in agriculture—their shape and impact. United Fresh Fruit Veg. Ass. Yearbook 1967: 205-206, 208, 211. 280.3939 Un3
Outlook.
- 27366 BENNE, R., and REMPEL, E. Problems of the intensive expansion of reproduction of fruit stands of Havel area. (Ge) Obstbau [Berlin] 6(7):101-103. July 1966. 80 Ob79
Chiefly acreage and planting.
- 27367 BERGH, B. O., and WHITSELL, R. H. A history of the California avocado industry. Calif. Citrogr. 51(12):508, 510, 512. Oct. 1966. 80 C125
- 27368 CALIFORNIA fruit juices. Int. Processed Fruits 10(3):2-4, 7-9. 1966. 286.83 In82
Text also in French and German.
- 27369 CINTA, W. Viticulture in California. (Sp) Oeste 5(15):25-31, map. Second Q. 1966. 287 Oe8
Grape industry.
- 27370 DOW, G. F., and others. Blueberry crop and market situation. Maine. Agr. Exp. Sta. Misc. Rep. 118:9-15. 1966. 100 M28M.
B. Kinsman, A. Abdalla, A. Perkins, K. McCreary, G. J. Galletta, and W. T. Brightwell, joint authors.
Canada and regions of the United States.
- 27371 ECK, P. The highbush blueberry industry. Maine. Agr. Exp. Sta. Misc. Rep. 118:38. 1966. 100 M28M
- 27372 ESCH, J. A. H. Potato production in Hungary. (Du) Pootaardappelhandel 19(5):6-14, map. Dec. 1965. 286.83 P79
Includes breeding.
- 27373 FEATHERMAN, H. Potatoes—people—and Pennsylvania. United Fresh Fruit Veg. Ass. Yearbook 1967:187-188. 280.3939 Un3
Industry; includes history.
- 27374 FELD, H. N. Tomato paste; the puzzling crop of 1966. Food Trade Rev. 36(12):58-59. Dec. 1966. 389.8 F7334
- 27375 FLANZY. Data on a rational solution to the viticultural problem. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):780-784. June 15/22, 1966. 14 P215Bc
Production of products other than wine from grapes, such as grapejuice and vinegar.
- 27376 FREMOND, Y., ZILLER, R., and LAMOTHE, M. DE N. DE. Le cocotier [The coconut tree]. Tech. Agr. Prod. Trop. 3:267 p., map. Ref., p.257-259. 1966. 26 T22
Includes plant morphology, breeding, ecology, production regions, propagation, culture, mineral nutrition, pests and diseases, research programs, products, processing, and production and commerce.
- 27377 GRITZBACH, D. Study of locations in various sweet cherry production regions of the German Democratic Republic. (Ge) Obstbau [Berlin] 6(6):83-86. Ref. June 1966. 80 Ob79
- 27378 HEDLUND, F. F. Oranges from tree to table; industry and government people team up to give Florida's oranges the attention needed to deliver them to consumers quickly, efficiently, and in first-class condition. Agr. Marketing [Washington], Nov. 1966:8-10. A280.38 Ag8
- 27379 JAMAICA. COCONUT INDUSTRY BOARD. Twenty-third annual report and accounts for year ended 31st December, 1964. Kingston, 1965? 14 p. 77.9 J22
- 27380 KERSHAW, M. The banana industry in the Windward Islands. Trop. Sci. 8(3):115-127. 1966. 26 T756
Includes culture.
- 27381 LOOW, H. Potatoes—consumption and production in the future. (Sw) Lanbrukstidskr. Dalarna 79(3):85-86. 1966. 11 L29

- 27382 MARCHIORI, G. The carrot: statistical and economic importance and prospects for development of the crop in Italy. (It) *Raccolto* 7(11): 167-172, 175-176. Nov.30, 1966. 16 R11
- 27383 MARESCALCHI, C. Lower grape harvest (but not much). (It) *G. Agr.* 76(45):479. Nov.6, 1966. 16 R1G
- 27384 MATHIA, G. A. Economic opportunities for muscadine grapes in North Carolina. N. C. State Coll. Agr. Eng. Dep. Agr. Econ. A.E. Inform. Ser.128,51 p. Sept.1966. 281.9 N816
- 27385 MATTHES, A. Potato industry and its utilization in Hesse-Nassau. (Ge) *Kartoffelbau* 17(5):130-131. May 1966. 75.8 K145
- 27386 MCCREARY, K. New blueberry products. Maine. Agr. Exp. Sta. Misc. Rep. 118:129-131. 1966. 100 M28M
- 27387 MEIER, G. New trends in the fruit production and problems of marketing in the Halle district. (Ge) *Obstbau* [Berlin] 6(8):113-116. Aug.1966. 80 Ob79
- 27388 OSMAN, M. Fruit production in the United Arab Republic. *Mediterranea* 12:292-295. Oct./Dec.1966. 281.8 M462
- 27389 SEELKOPF, C., and FEBRES, Y. M. Maracuja, a new raw material for the fruit juice industry. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(5):281-284. Ref. Oct.25,1966. 384 Z39
- Granadilla hybrid.
- 27390 SHOGASE, T. Seikabutsu ryutsu no jitai: reki-shi to tenbo [Fruits and vegetables; situation, history, and outlook]. Tokyo, Nōsan Gyoson Bunka Kyokai, 1965. 248 p. HD9016J355
- 27391 THIJN, G. A. The potato in Finland. (Du) *Pootaardappelhandel* 19(5):42-43. Dec.1965. 286.83 P79
- 27392 ZIMMERMANN, H. The development of fruit production in the German Democratic Republic. (Ge) *Obstbau* [Berlin] 6(7):97-100. July 1966. 80 Ob79
- Analysis and Composition
- 27393 ARKHANGEL'SKII, P. M., KALASHNIKOVA, I. A., and GRUYNER, V. S. Forming of jelly in liquid boiling modified starch. (Rus) *Sakharn. Prom.* 11:63-65. Nov.1966. 65.8 Sa2
- Potato starch.
- 27394 ASMUNDSON, C. M., LYONS, J. M., and TAKATORI, F. H. Residue analysis of 4-chlorophenoxycetic acid [4-CPA] in tomato fruit. *J. Agr. Food Chem.* 14(6):627-630. Nov./Dec. 1966. 381 J8223
- 27395 BIDMEAD, D. S., and KRATZ, P. D. Advanced analytical methods for detection of adulteration of flavors. *Cereal Sci. Today* 11(11):486,488-490,492,501-502. Nov.1966. 59.8 C333
- Fruit flavorings.
- 27396 BRODERICK, E. J., and others. Determination of methylcarbamate pesticides in the presence of methyl anthranilate in Concord grapes. *Ass. Offic. Anal. Chem. J.* 49(5):982-985. Oct.1966. 381 As7
- J. B. Bourke, L. R. Mattick, E. F. Taschenberg, and A. W. Avens, joint authors.
- 27397 BROWN, D. S., BUCHANAN, J. R., and HICKS, J. R. Volatiles from apple fruits as related to variety, maturity, and ripeness. *Amer. Soc. Hort. Sci. Proc.* 88:98-104. Ref. 1966. 81 So12
- Gas chromatography analysis.
- 27398 CLARK, W. S., REINBOLD, G. W., and RAMBO, R. S. Enterococci and coliforms in dehydrated vegetables. *Food Technol.* 20(10): 113-116. Oct.1966. 389.8 F7398
- Review of the literature.
- 27399 COFFIN, D. E. Oxidative metabolism and persistence of parathion and malathion on field-sprayed lettuce. *Ass. Offic. Anal. Chem. J.* 49(5):1018-1021. Oct.1966. 381 As7
- 27400 DARAVINGAS, G., and CAIN, R. F. The anthocyanin pigments of black raspberries. *J. Food Sci.* 31(6):927-936. Ref. Nov./Dec.1966. 389.8 F7322
- 27401 FISHER, J. F., NORDBY, H. E., and KEW, T. J. A thin-layer chromatographic-colorimetric method for determining naringin in grapefruit. *J. Food Sci.* 31(6):947-950. Nov./Dec.1966. 389.8 F7322
- 27402 FOX, M., and KRAMER, A. Objective tests for determining quality of fresh green beans. *Food Technol.* 20(12):88-92. Dec.1966. 389.8 F7398
- 27403 GAVINA RIBELLES, F., and VIGUERA LOBO, J. M. Chemical transformation of olives during pickling. VIII. Maslinic acid in the residual lye. (Sp) *Grasas Aceites* 17(4):132-135. July/Aug.1966. 307.8 G76
- English summary, p.4 of supplement.
- 27404 GELBRICH, D. Analyses of trade sauerkraut. (Ge) *Indus. Obst - Gemuseverwertung* 51(20): 625-631. Oct.20,1966. 389.8 K832
- 27405 GROVES, K., and CHOUGH, K. S. Residue determination: determination of small quantities of 2,6-dichloro-4-nitroaniline (dichloran). *J. Agr. Food Chem.* 14(6):668-669. Nov./Dec. 1966. 381 J8223
- Used for control of fungus diseases of fruit and vegetables; chromatography and colorimetry.
- 27406 HUFF, E. R. Mechanical properties of potatoes—like rubber, or like glass? *Maine Farm Res.* 14(2):20-25. July 1966. 100 M28Ma
- 27407 KIRSTEN, W. J. The determination of diquat residues in potato tubers. *Analyst* 91(1088): 732-738. Nov.1966. 382 An1
- 27408 KOMITOV, R., and IVANOV, I. S. Chemical composition of the fruit of some pear varieties cultivated in the Dryanovo fruit district. (Bu) *Gradinarska Lozarska Nauk.* 2(1):23-29. 1965. 87 G75
- German summary.
- 27409 MANUELYAN, KH., KOVACHEV, A., and MIKHOV, A. Determining relationships between certain morphological and chemico-technological properties of garden peas. (Bu) *Gradinarska Lozarska Nauk.* 2(2):165-176. Ref. 1965. 87 G75
- English summary.
- For canning.
- 27410 OKE, O. L. Chemical studies on some Nigerian vegetables. *Trop. Sci.* 8(3):128-132. Ref. 1966. 26 T756
- 27411 PUSZTAI, A. The isolation of two proteins, glycoprotein I and a trypsin inhibitor, from the seeds of kidney bean (*Phaseolus vulgaris*). *Biochem. J.* 101(2):379-384. Ref. Nov.1966. 382 B52
- 27412 RILEY, R. C., and PROSTAK, D. J. Air-agitation modification of the AOAC method for [*Drosophila*] fly egg detection in tomato products. *Ass. Offic. Anal. Chem. J.* 49(5):903-905. Oct.1966. 381 As7
- 27413 THOMAS, M. P., ACKERMANN, H. J., and KUCHAR, E. J. Fungicide residues: determination of chloroacetaldehyde-2,4-dinitrophenyl hydrazone in apples, peaches, and cherries. *J. Agr. Food Chem.* 14(6):613-614. Nov./Dec. 1966. 381 J8223
- 27414 TOLLIER, M. T., and GUILBOT, A. The effect of alpha and beta amylases on irradiated starches. (Ge) *Starke* 18(10):305-310. Ref. Oct.1966. 309 St22
- English summary.
- Potato and corn starches.
- 27415 VAN BUREN, J. P., SENN, G., and NEUKOM, H. Proanthocyanidins in the apple. *J. Food Sci.* 31(6):964-970. Ref. Nov./Dec.1966. 389.8 F7322
- 27416 WEBB, A. D., KEPNER, R. E., and MAGGIORA, L. Gas chromatographic comparison of volatile aroma materials extracted from eight different muscat-flavored varieties of *Vitis vinifera*. *Amer. J. Enol. Viticult.* 17(4):247-254. Oct./Dec.1966. 390.9 Am33
- Review of the literature.

- 27417 WIEBE, J., and MERCIER, R. G. A technique for rapid respiration measurements with an infra-red gas analyzer. Ontario. Hort. Exp. Sta. Rep. 1965:48-51. 1966. 101 On823
Quantitative measurement of carbon dioxide release by whole specimens of fruits and vegetables, with glass flasks as respiration chambers.
- 27418 WOLDENDORP, P., and NOORD, K. G. DE. Considerations on rheology with some potato starch derivatives as example. (Ge) Starke 18(9):293-298. Sept. 1966. 309 S122
English summary.
- 27419 ZUBECKIS, E. Canadian commercial apple juice. Ontario. Hort. Exp. Sta. Rep. 1965:118-122. 1966. 101 On823
Review of the literature.
Analysis and composition; includes quality.
- 27420 ZUBECKIS, E. Diacetyl test in Canadian apple juice. Ontario. Hort. Exp. Sta. Rep. 1965:126-128. 1966. 101 On823
- 27421 ZUBECKIS, E. Hydroxymethylfurfural in apple juice. Ontario. Hort. Exp. Sta. Rep. 1965:123-125. 1966. 101 On823
- Consumption and Utilization
- 27422 BRUNN, C. The agricultural use of coconut husks. (Fr) Oleagineux 21(10):593-595. Oct. 1966. 77.8 OL2
English summary, p.XLVII.
- 27423 CONSUMPTION of citrus and tropical fruits in the Common Market. Int. Fruit World 3:166, 169, 171-172, 175-176, 179. 1966. 286.83 F9426
Text also in French and German.
- 27424 JANSSEN, J. Profil, desiderata et comportement du consommateur belge de fruits et derives de fruits. Partie I. Resultats du depouillement du questionnaire relatif a la consommation des fruits [Profil, desiderata et behavior of the Belgian consumer of fruits and fruit products. Part I. Results of analysis of the questionnaire relative to fruit consumption]. Brussels. Inst. Econ. Agr. Cah. I.E.A. 52 (R-23), 92 p. Aug. 1966. 281.9 B832
- 27425 PERLMAN, F. Food allergy & vegetable proteins. Food Technol. 20(11):58, 62-65. Ref. Nov. 1966. 389.8 F7398
- 27426 POPPER, K., and others. New products from coconut--non-dairy chip dips and "cream cheese." Food Process./Marketing [Chicago] 27(12):92, 96. Dec. 1966. 389.8 F7325
G. K. Notter, F. S. Nury, and J. B. Klis, joint authors.
- 27427 SCHRAMM, G. Consumer preferences and the producer advisory services for commercial potatoes. (Ge) Kartoffelbau 17(2):40-42. Feb. 1966. 75.8 K145
- Distribution, Marketing, and Transportation
- 27428 ANQUEZ, M. Horticultural centers. (Sp) Rev. Frio 11(2):63-78. Apr./June 1966. 295.8 R326
For grading, packing, and storing.
- 27429 BEAUCHAMP, J. "Thinking retail"--20 years later; UMI-SWD [United Merchandising Institute]-[Service Wholesalers Division] help the industry's growth and development. United Fresh Fruit Veg. Ass. Yearbook 1967:125-126. 280.3939 Un3
- 27430 BOUZYK, K. Potato purchases from 1966 harvests. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:29-32. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Poland.
Translation from Nowe Rolnictwo 19:24. Oct. 1/15, 1966.
Issued by CFSTI.
- 27431 BROWNE, A. E., DIMOND, J. J., and GARDNER, J. J. No license to steal: an interview with USDA experts about the why and how of the Perishable Agricultural Commodities Act. United Fresh Fruit Veg. Ass. Yearbook 1967:45-46, 49-50, 52, 54, 56. 280.3939 Un3
For fruit and vegetable marketing.
- 27432 DOTSCH, H. The fruit trade and its future. (Ge) Fruchthandel 11(45):1789-1791. Nov. 1966. 286.83 F9428
- 27433 ELLER, R. Z. The sales magic of color. United Fresh Fruit Veg. Ass. Yearbook 1967:97-98, 100. 280.3939 Un3
In advertising.
- 27434 ELLS, A. D. Marketing trends in lowbush blueberries. Maine. Agr. Exp. Sta. Misc. Rep. 118:15-17. 1966. 100 M28M
Chiefly Maine and Canada.
- 27435 GORBACHEV, A. P., and BORODAVKO, A. G. Accounting of purchasing and marketing of vegetables. (Rus) Uchet Finansy Kolchoz. Sovkhoz. 10:5-8. Oct. 1966. 30.59 Uc4
- 27436 GREAT BRITAIN. POTATO MARKETING BOARD. Annual report and statement of accounts 1966. London, 1966. 37 p.
280.3759 G79
- 27437 HARVEY, J. M. Modified atmospheres in transport. United Fresh Fruit Veg. Ass. Yearbook 1967:193-194, 196, 199. Ref. 280.3939 Un3
- 27438 HEE, O. Tests for predictability of statistical models. J. Farm Econ. 48(5):1479-1484. Dec. 1966. 280.8 J822
Applied to demand for late summer-fall potatoes.
- 27439 JAMISON, J. A. Marketing orders, cartels, and cling peaches: a long-run view. Food Res. Inst. Stud. 6(2):117-142. Ref. 1966. 389.8 F7382
- 27440 JOHANNESBURG. PRODUCE MARKET. Annual trading results, 1965-1966. Johannesburg, 1966. 22 p. 280.39 J59
Text also in Afrikaans.
- 27441 JOHNSTON, J. North American Blueberry Council. Maine. Agr. Exp. Sta. Misc. Rep. 118:21-23. 1966. 100 M28M
- 27442 KLOTSCHER, T. The market organization for fruit and vegetables. (Ge) Fruchthandel 31:1190, 1192-1194. Aug. 1966. 286.83 F9428
European Common Market.
- 27443 LOEWEL, E. L. The modern specialized trade and its aspirations regarding wholesale fruit and vegetable markets. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(6):200-204. June 1966. 85 J76
- 27444 LOHDEN, A., and RAUTENBERG, B. Yields and marketing of cherries during 1965 in the Lower Elbe region. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(6):214-218. June 1966. 85 J76
- 27445 MAINE POTATO COUNCIL. Annual report 1965-1966. Presque Isle, 1966. 28 p.
281.3759 P84
- 27446 MCCABE, E. A. A produce man views promotion. United Fresh Fruit Veg. Ass. Yearbook 1967:10-12, 14. 280.3939 Un3
- 27447 MEYER, G. Take a pause for breath on the canned product market. (Ge) Raiffeisen-Rundschau 17(12):482, 484. Dec. 1965. 284.28 R132
Vegetables.
- 27448 MULLER, G. The wholesale market and its relation to the shipping and chain trade. (Ge) Fruchthandel 9(49):1941, 1945. Dec. 1966. 286.83 F9428
Fruit and vegetables.
- 27449 NATIONAL GRAPE CO-OPERATIVE ASSOCIATION. 1966 annual report. Westfield, New York, 1966. 15 p. 280.29 N218
- 27450 OCEAN SPRAY CRANBERRIES, INC. 1966 annual report. n.p., 1966. 9 p. 280.2939 C85
- 27451 PETERSDORFF, H. Rationalization of agricultural transportation through container transportation. (Ge) Z. Agrarokon. 9(7):374-385. Ref. 1966. 281.8 Z3
Savings in labor and costs for fruit and vegetables in container and pallet use.
- 27452 RAINS, A. T. United's services in perspective. United Fresh Fruit Veg. Ass. Yearbook 1967:37-38. 280.3939 Un3
- 27453 RATIGAN, T. M. Mechanized data processing: systems serve from field to supermarket. United Fresh Fruit Veg. Ass. Yearbook 1967:231-232, 234, 236. 280.3939 Un3

- 27454 RAUTENBERG. Fruit sale in the lower Elbe River Region in 1966. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(2):66-68. Feb. 1966. 85 J76
Statistics.
- 27455 REPUBLIC OF SOUTH AFRICA. DRIED BEAN CONTROL BOARD. Report for the period 1st April, 1965, to 31st March, 1966. Pretoria, 1966. 28 p. 280.39 So874
Text also in Afrikaans.
- 27456 SCHLEY, L. D. The rail transportation; an appraisal of equipment, techniques, and future prospects. United Fresh Fruit Veg. Ass. Yearbook 1967:216-218,221. 280.3939 Un3
Includes role of the Pacific Express Company.
- 27457 SOLL, H. H. Contemporary marketing of seed and commercial potatoes. (Ge) Kartoffelbau 17(2):38. Feb.1966. 75.8 K145
- 27458 TAYLOR, P. V. What's Florida going to do with 139.4 million boxes of oranges? Canner/Packer 135(13):38-39. Dec.1966. 286.83 C16
Marketing.
- 27459 UNITED FRESH FRUIT AND VEGETABLE ASSOCIATION. Yearbook 1967. Washington, D. C., 1967. 352 p. Ref. 280.3939 Un3
- 27460 U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring potatoes. U. S. Consum. Marketing Serv. AMG 53, 36 p. Nov.1966. A281.3919 M34
- 27461 U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring vegetables and melons. U. S. Consum. Marketing Serv. AMG 52,52 p. Nov.1966. A281.3919 M34
Statistics.
- 27462 VANDEZANDE, P. Supply and prices of cauliflower in our country. IL (Fl) Tuinbouwberichten 29(12):508-510. Dec.1965. 80 T817
- 27463 WEINSTEIN, J. L. The terminal market—it's as modern as tomorrow. United Fresh Fruit Veg. Ass. Yearbook 1967:113-114,116,118. 280.3939 Un3
- Grading, Inspection, Standardization, and Quality
- 27464 BERAN, F. The use of plant protection chemicals in fruit and vegetable culture without endangering human health. (Ge) Forderungsdienst 14(6):191-198. June 1966. 19 F75
Residues and tolerances.
- 27465 BOTTICHER, W. Quality inspection of mushroom and wild berry crops 1966 in the Bavarian Forest; indexes of raspberry juice. (Ge) Indus. Obst-Gemüseverwertung 51(22):677-681. Nov.17.1966. 389.8 K832
- 27466 FALLON, J. P. Survey of potato losses in the field. West. Australia. Dep. Agr. J. (ser.4) 7(9):427-428. Sept.1966. 23 W52J
Grading.
- 27467 KAMPEN, J. VAN. Quality improvement, enlargement of the assortment and spreading of the supply in vegetable growing in the open in the Netherlands. (Du) Neth. Dir. Tuinbouw. Mededel. 29(6):241-244. June 1966. 86 N384
English summary, p.262.
- 27468 LAUENSTEIN, A., and OTTO, G. Investigating efficient mechanization of fruit grading. (Ge) Obstbau [Berlin] 6(3):36-41. Ref. Mar.1966. 80 Ob79
- 27469 MAINE. DEPT. OF AGRICULTURE. Maine seed potatoes inspected and certified crop of 1966. Augusta, 1966. 69 p. 280.3758 M28
- 27470 OZBEK, S. Standards for pears and strawberries. (Tu) Standard 4(42):16-17. June 1965. 297.8 S12
English summary, p.31.
- 27471 POTTER, K. E. The shape characteristics of Maine grown long white potatoes and their effect on commercial grading practices. Maine Farm Res. 14(2):40-44. July 1966. 100 M28Ma
Size.
- 27472 ROEMER, K. Interrelations between the size and quality of fruit. (Ge) Obstbauversuchsring Alten Landes. Mitt. 21(6):220-233. June 1966. 85 J76
Includes composition.
- 27473 SCHWEIZERISCHE ZENTRALE FÜR OBSTBAU. Zusammenhänge zwischen produktion und vermarktung [Correlation between production and the market]. Obstundschau 26(3), 4 p. Mar.25,1966. 80 Ob74
Text also in French.
Chiefly marketing of quality fruit.
- 27474 SMALIK, M. Problems of grading and handling of potatoes in potato producing enterprises in Slovakia. (Cz) Pol'nohospodárstvo 12(8):622-636. 1966. 19.5 P752
English summary.
Equipment.
- 27475 STEPHENS, T. S., TUCKER, D. M., and GRIFFITHS, F. P. Quality grading southern peas by screen sizing and brine separation. Amer. Soc. Hort. Sci. Proc. 88:447-453. Ref. 1966. 81 S012
- 27476 TALLEY, F. B., and others. Flavor and storage stability of dehydrated pumpkin. Food Technol. 20(10):129-130. Oct.1966. 389.8 F7398
M. Komanowsky, J. Cording, and R. K. Eskew, joint authors.
- 27477 ZAEHRINGER, M. V., BEEBE, R. F., and WOODBURY, G. W. Quality of fresh peaches from retail stores. Amer. Soc. Hort. Sci. Proc. 88:245-252. 1966. 81 S012
- Packing and Packaging
- 27478 FLINT, W. N. Product quality can be improved. United Fresh Fruit Veg. Ass. Yearbook 1967: 61-62,64. 280.3939 Un3
Packaging of fruit and vegetables.
- 27479 HAESELER, C. W., FLETCHER, R. F., and JURCIAK, T. B. Storage in plastic box liners extends life of green tomatoes. Sci. Farmer [Penn. Sta.] 14(1):4. Fall 1966. 100 P381S
Polyethylene.
- 27480 NEW TRENDS in methods of shipment of perishable fruits. Int. Fruit World 3:153,155-156, 159,163,165. 1966. 286.83 F9426
Text also in French and German.
Containerization.
- 27481 PERKINS, F. A. Automated blueberry packaging. Maine. Agr. Exp. Sta. Misc. Rep. 118:17-21. 1966. 100 M28M
New Jersey.
- 27482 SCHMID, W. Considerations on the cherry harvest. (Ge) Schweiz. Z. Obst- Weinbau 102 (12):307-311. June 11,1966. 80 Sch9
Packing and marketing.
- Prices, Price Control, and Rationing
- 27483 NOOLJ, S. H. Cheap apples. (Du) Ned. Fruitteers Organ. Berichtenbl. 22(11/12):249. Nov./Dec.1966. 95.9 N28
- Processing and Storage
- 27484 ABDALLA, D. A. The IQF [Individually Quick Frozen] industry. Maine. Agr. Exp. Sta. Misc. Rep. 118:132-133. 1966. 100 M28M
Blueberries in Maine.
- 27485 ACKER, G. Canning fruits and vegetables. Ill. Univ. Ext. Circ. 943,16 p. Sept.1966. 275.29 IL62C
- 27486 AURIOL, X. Canned dried steeped peas; notes on their manufacture. (Fr) Rev. Conserv. 21 (7):114,116-120. Ref. Nov.1966. 389.8 R326

- 27487 CANADA. BUR. OF STATISTICS. Fruit and vegetable canners and preservers, 1964. Ottawa, 1966. 26 p. (866. 1 p. (Annual Census of Manufacturers) 253 C335Fr
- 27488 CANNERS LEAGUE OF CALIFORNIA. STATISTICAL DEPT. 1965 California pack of canned pears. San Francisco, 1965. 1 p. Nov.3,1965. 389.9 C1872Cp
- 27489 DEKAZOS, E. D. Relation between scald of Montmorency cherries and oxygen content in soak tanks. *J. Food Sci.* 31(6):956-963. Ref. Nov./Dec.1966. 389.8 F7322
For storage.
- 27490 DHARKAR, S. D., and others. Irradiation of mangoes. I-II. *J. Food Sci.* 31(6):863-877. Nov./Dec.1966. 389.8 F7322
K. A. Savagao, A. N. Srinagarajan, and A. Sreenivasan, joint authors.
I, Radiation-induced delay in ripening of Alphonso mangoes; II, Radiation effects on skin-coated Alphonso mangoes.
- 27491 ERCZHEGYI, L., and MERCZ, A. The effect of grape processing and pressing on the quality of must. (Hu) *Borgazdasag* 14(3):84-88. 1966. 390.8 B64
French summary.
- 27492 ERDEI, S. Mutual interest of the canning factory and the production cooperative. (Hu) *Magyar Mezogazdasag* 21(50):12-13. Dec.14, 1966. 19 M27
Redpepper processing.
- 27493 FANKHAUSER, F. Fruit storage in Israel. (Ge) *Schweiz. Z. Obst- Weinbau* 102(17):452-457. Aug.20,1966. 80 Sch9
- 27494 FREIXO, J. The action of cold in food processing. (Por) *Conserv. Peixe* 21(246):31. (Cont.) Nov.1966. 389.8 C7692
Refrigeration and freezing of horticultural products.
- 27495 GEDDES, J. P. New forced-draft evaporator yields quality concentrates. *Food Eng.* 38(12):90-92. Dec.1966. 389.8 F737
Manufacture of tomato paste and juice.
- 27496 GELENCSEI, J. Preparation, treatment and bottling of grapejuice. (Hu) *Borgazdasag* 14(3):91-97. 1966. 390.8 B64
French summary.
- 27497 GREIDANUS, P., and BOER, W. C. Has vacuum cooling economic prospects? (Du) *Groenten Fruit* 22(22):875-876. Dec.7,1966. 80 G89
Lettuce cooling.
- 27498 GRIERSON, W., and others. Controlled atmosphere storage of Florida and California lemons. *Amer. Soc. Hort. Sci. Proc.* 88:311-318. Ref. 1966. 81 So12
H. M. Vines, M. F. Oberbacher, S. V. Ting, and G. J. Edwards, joint authors.
- 27499 GUREVITZ, D., and PFLUG, I. J. Measurement and control of carbon dioxide and oxygen in controlled atmosphere storage. *Mich. Agr. Exp. Sta. Quart. Bull.* 49(1):55-63. Ref. Agr. 1966. 100 M588
Fruits and vegetables.
- 27500 HALL, C. B. Inhibition of tomato pectinesterase by tannic acid. *Nature [London]* 212(5063):717-718. Nov.12,1966. 472 N21
- 27501 HARDING, P. R., and SAVAGE, D. C. Investigation of possible correlation of hot-water washing with excessive storage decay in coastal California lemon packing houses. *Plant Dis. Rep.* 48(10):808-810. Oct.15,1964. 1.9 P69P
Caused by *Penicillium italicum* and *P. digitatum*.
- 27502 HIGHLANDS, M. E. Frozen blueberry processing and storage. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:133-135. 1966. 100 M28M
- 27503 HILLIKER, F. N. Culls "bounce" back as juice blend. *Canner/Packer* 135(13):40-41. Dec.1966. 286.83 C16
Utilization of processed apple culls in blend with cherry juice.
- 27504 HOOVER, M. W., and KUSHMAN, L. J. Influence of raw product storage treatments on the quality of sweet potato flakes. *Amer. Soc. Hort. Sci. Proc.* 88:501-506. 1966. 81 So12
- 27505 HOPPENBROUWERS, W. J. Course in preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.8. Fruit juices. (Du) *Conserva* 14(11):268-273. May 1966. 389.8 C7632
- 27506 THE INDUSTRIAL processing of vegetables and fruit in Holland. *Int. Processed Fruits* 10(3):37-40,43-45,47. 1966. 286.83 In82
Text also in French and German.
- 27507 KUSHMAN, L. J., POPE, D. T., and MONROE, R. J. Estimation of intercellular space and specific gravity of five varieties of sweet potatoes. *N. C. Agr. Exp. Sta. Tech. Bull.* 175, 14 p. Ref. Sept.1966. 100 N81
Behavior in storage.
- 27508 LABELLE, R. L., and Moyer, J. C. Dehydro-freezing red tart cherries. *Food Technol.* 20(10):105-108. Ref. Oct.1966. 389.8 F7398
- 27509 LANGE, H. J. Use of chlorinated water in the canning industry. (Ge) *Indus. Obst- Gemüseverwertung* 51(22):681-686. (Cont.) Ref. Nov.17,1966. 389.8 K832
Fruit and vegetables.
- 27510 LIPTON, W. J., HARVEY, J. M., and COUEY, H. M. Conclusions about radiation: USDA team deals with the question "Does gamma irradiation of fresh fruits and vegetables extend their market life?" *United Fresh Fruit Veg. Ass. Yearbook* 1967:173-174,176,178,181. 280.339 Un3
- 27511 LOCHER, B. The processed fruit and vegetable industry in Switzerland. (Ge) *Indus. Obst- Gemüseverwertung* 51(22):690-692. (Cont.) Nov.17,1966. 389.8 K832
- 27512 LORD, W. J., and DAMON, R. A. Internal breakdown development in water-cored Delicious apples during storage. *Amer. Soc. Hort. Sci. Proc.* 88:94-97. 1966. 81 So12
- 27513 LUH, B. S., and SIOUD, F. B. Aseptic canning of foods. IV. Stability of pear puree with essence recovery. *Food Technol.* 20(12):84-87. Ref. Dec.1966. 389.8 F7398
- 27514 MARKAKIS, P., and EMBS, R. J. Effect of sulfite and ascorbic acid on mushroom phenol oxidase. *J. Food Sci.* 31(6):807-811. Ref. Nov./Dec.1966. 389.8 F7322
Used to prevent discoloration.
- 27515 MARTINEZ GARRIDO, J. Economic study of tomato concentrate manufacture. (Sp) *Ion* 26(303):575-582. (Cont.) Oct.1966. 385 Io6
- 27516 MERCIER, R. G., and MACQUEEN, K. F. Gamma-irradiation to extend postharvest life of fruits and vegetables. *Ontario. Hort. Exp. Sta. Rep.* 1965:52-72. 1966. 101 On823
Review of the literature.
Chiefly use of Cobalt-60.
- 27517 MIEDEN, E. Processing plants for preparation for market. (Ge) *Kartoffelbau* 17(5):138. May 1966. 75.8 K145
Potatoes.
- 27518 NEUMANN, D. Methods of maintaining quality characteristics during the storage. (Ge) *Obstbau [Berlin]* 6(1):12-13. Jan.1966. 80 Ob79
Apples.
- 27519 NEUMANN, H. J., and others. Frozen Chinese waterchestnuts: blanching, storage, and quality. *Food Technol.* 20(11):111-114. Ref. Nov.1966. 389.8 F7398
A. D. Shepherd, M. M. Boggs, and J. G. Harris, joint authors.
- 27520 PONTING, J. D., and others. Osmotic dehydration of fruits. *Food Technol.* 20(10):125-128. Oct.1966. 389.8 F7398
G. G. Watters, R. R. Forrey, R. Jackson, and W. L. Stanley, joint authors.
- 27521 THE PROCESSING of fruit and vegetables in the Soviet Union. *Int. Processed Fruits* 10(3):21-22,25-28,31-34. 1966. 286.83 In82
Text also in French and German.

- 27522 SALUNKHE, D. K. Best fruit varieties for processing. Utah Farm Home Sci. 27(3):107-109. Sept.1966. 100 U1F
- 27523 SALUNKHE, D. K., LEE, C. Y., and NURY, F. S. Maintaining quality in processed fruit. Utah Farm Home Sci. 27(3):104-107. Sept. 1966. 100 U1F
- 27524 SANDKE, G. Possibilities of a stack storage and its effect on the quality of apples. (Ge) Obstbau [Berlin] 6(1):12. Jan.1966. 80 Ob79
- 27525 SANDRET, F., and MICHELIS, L. Gamma rays, potato sprout inhibitors. (Fr) Indus. Aliment. Agr. 33(9/10):1189-1199. Ref. Sept./Oct.1966. 383 As7
English summary.
- 27526 SHAW, M. Warehouse design: produce distribution centers must be carefully planned. United Fresh Fruit Veg. Ass. Yearbook 1967: 225-226,228. 280.3939 Un3
- 27527 SHUTAK, V. G., and KITCHIN, J. T. Effect of time of harvest and apple color on storage scald. Amer. Soc. Hort. Sci. Proc. 88:89-93. 1966. 81 Sol2
- 27528 SIMS, E. T., and RIDLEY, J. D. An evaluation of the influence of 2-aminobutane carbonate on peaches. S. C. Agr. Exp. Sta. Res. Ser. 69, 14 p. Sept.1965. SB21.S6
Storage brown rot and Rhizopus control.
- 27529 SIMS, E. T. Exploratory studies on the use of 2-aminobutane acetate in extending the shelf-life of peaches and grapes. S. C. Agr. Exp. Sta. Res. Ser. 66,11 p. Apr.1965. SB21.S6
Storage rot control.
- 27530 SMITH, M. A., MCCOLLOCH, L. P., and FRIEDMAN, B. A. Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables. U. S. D. A. Agr. Handbook 303,82 p. Sept.1966. 1 Ag84Ah
Bibliography, p.56-65.
- 27531 TAYLOR, C. F., and BERGER, R. D. Apple fruit rot in Pennsylvania caused by *Phialophora malorum*. Plant Dis. Rep. 50(9):701. Sept. 1966. 1.9 P69P
In storage.
- 27532 TURKOT, V. A., and others. Explosive puffing enhances quick-cook qualities. Food Eng. 38 (12):77-79. Dec.1966. 389.8 F737
J. F. Sullivan, J. Cording, and R. K. Eskew, joint authors.
Applied to potatoes.
- 27533 VAN BLARICOM, L. O., and SEFICK, H. J. The effect on decay of adding fungicides to the water for hydrocooling peaches. S. C. Agr. Exp. Sta. Res. Ser. 72,10 p. Ref. Dec.1965. SB21.S6
- 27534 VESTERHEIM, S. Storage of cherries. (No) Gartneryrket 56(46):1024-1025. Nov.11,1966. 80 G1938
- 27535 VOS, J. DE. How to decrease losses in the storage and post-ripening of late tomatoes. (Fl) Tuinbouwberichten 30(10):357-358. Oct. 1966. 80 T817
- 27536 WATERSCHOOT, R. VAN., and NIEUWENHUIZEN, J. H. VAN. The application of sprout inhibitors to potatoes. (Du) Pootaardappelhandel 19(5):38-40. Dec.1965. 286.83 P79
- 27537 WATSON, E. J. Transition: convenience to necessity. Quick Frozen Foods 29(5):290,292, 294,296. Dec.1966. 389.8 Q4
Frozen potato industry.
- 27538 WINTERTON, D. Macadamia nut roasting studies. Food Technol. Australia 19(2):74-75,77. Ref. Nov.1966. 389.8 F7333
- 27539 WRIGHT, W. R., BERAHA, L., and SMITH, M. A. Leather rot of Louisiana strawberries on the Chicago market in 1964. Plant Dis. Rep. 48(10):747-748. Oct.15,1964. 1.9 P69P
Caused by *Phytophthora cactorum* and found in shipments.
- 27540 ZUBECKIS, E. Effect of diethylpyrocabonate on the quality of fruit beverages. Ontario. Hort. Exp. Sta. Rep. 1965:126-131. 1966. 101 On823
Preservative.

Statistics

- 27541 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die Obsternte 1965 [The 1965 fruit harvest]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 57,11 p. Dec.15,1965. 265 St28
- 27542 ELEK, L. Stone fruits in the world. (Hu) Kerteszeti Szolész. 15(21):16-17. Nov.1966. 80 K474
Statistics.
- 27543 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbau und Weinbau. II. Obst; Obsternte [Horticulture and grape culture. II. Fruit; fruit harvest], 1965. Stuttgart, 1965. 23 p. (Its Land- und Forstwirtschaft, Fischerei. Fachserie B, Reihe 2) 265 G318Ga
- 27544 IRRIGATION RESEARCH AND EXTENSION COMMITTEE. M.I.A. and Coleambally fruit tree and grape vine census; revision December, 1965. Griffith, N. S. W., 1966. 135 p. 271.1 Ir7
- 27545 JACOBS, J. M. Hothouse tomatoes in 1965. (Du) Naaldwijk. Proefsta. Groenten-Fruiteelt Onder Glas. Jaarverslag 1965:189-191. 86 N112J
English summary, p.11-12 of summary section.
Acceage and prices.
- 27546 U. S. CROP REPORTING BOARD. Citrus fruits; by States, 1964-65 and 1965-66; production, use, value. Washington, 1966. 9 p. 1.941 H8C49
Statistics.
- 27547 U. S. CROP REPORTING BOARD. Vegetables—fresh market; 1966 annual summary, acreage, production and value of principal commercial crops by seasonal groups and States. Washington, 1966. 63 p. 1.941 H8V525
- 27548 U. S. CROP REPORTING BOARD. Vegetables—processing; 1966 annual summary, acreage, production and value of principal commercial crops, by States. Washington, 1966. 27 p. 1.941 M8C73

GRAIN AND GRAIN PRODUCTS

- 27549 AGRI-RESEARCH INCORPORATED. Bases for the technique of efficient marketing of rice in Peru. (Sp) Vida Agr. [Lima] 42(500):347,349, 351,353,355,357-362. (Concl.) July 1965. 9.9 V66
- 27550 ALLEN, W. B. The impact of new legislation on wheat usage. U. S. Agr. Res. Serv. ARS-74-35:74-78. Aug.1966. A381 R31Ab
- 27551 ARAKERE, H. R. High Yielding Varieties Programme in Mysore State. Mysore Econ. Rev. 51(7/8):32-34,36-37,40. 1966. 280.8 M994
Grain.
- 27552 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die endgultige Getreideernte 1966 (Ergebnisse der besonderen Erntemittlung 1966) [Final grain harvest 1966 (results of the special crop inquiry 1966)]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 50,2 p. Oct.3,1966. 265 St28
- 27553 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die Getreideernte 1965 [The 1965 grain harvest]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 50,2 p. Nov.8,1965. 265 St28
- 27554 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die Getreideernte 1965 [The 1965 grain harvest]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 58,11 p. Dec.17,1965. 265 St28
- 27555 BASTIANUTTI, J., and AMATO, F. Ascorbic acid in flour; qualitative research and determination. (It) Tec. Molitoria 17(20):494-500. Ref. Oct.30,1966. 298.8 Se42

- 27556 BEROZA, M., and BOWMAN, M. C. Gas chromatographic determination of compound 4072 [2-chloro-1-(2,4-dichlorophenyl) vinyl diethyl phosphate] and shell SD-5447 [2-chloro-1-(2,4,5-trichlorophenyl) vinyl diethyl phosphate] by electron-capture and flame-photometric detection. *J. Agr. Food Chem.* 14(6):625-627. Nov./Dec.1966. 381 J8223
Residues in corn.
- 27557 BIANCANI, M. Mineral content of some foods derived from wheat. (It) *Minerva Dietol.* 6(3): 118-119. July/Sept.1966. 389.8 M66
English summary.
- 27558 BINGER, H. P. Current studies on flour composition and baking quality. *U. S. Agr. Res. Serv. ARS-74-35:50-56.* Apr.1966. A381 R31Ab
- 27559 BLACK, H. C., and BUSHUK, W. A laboratory flour agglomerator. *Cereal Sci. Today* 11(12): 517-518,528. Dec.1966. 59.8 C333
For preparation of "instantized" flour.
- 27560 BLACK, H. C. Laboratory purifier for durum semolina. *Cereal Sci. Today* 11(12):533-534, 542. Dec.1966. 59.8 C333
- 27561 BRADLEY, W. B. Reduction of the microbiological population of flour. *U. S. Agr. Res. Serv. ARS-74-35:64-69.* Aug.1966. A381 R31Ab
- 27562 CANADA, BUR. OF STATISTICS. Flour mills, 1964. Ottawa, 1966. (Annual Census of Manufactures) 18 p. 298.9 C16
- 27563 CASE, P. Breakfasts—the push is on for in-a-hurry eaters. *Food Can.* 26(11):35-36. Nov. 1966. 389.8 F7323
- 27564 CHANCELLOR, W. J. An experiment on sun drying of padi. *Malaysian Agr. J.* 45(1):65-75. Jan.1965. 22.5 F312
- 27565 CHIKUBU, S., and others. The preservability of paddy half-dried to different moisture content during temporary storage. (Ja) *Crop Sci. Soc. Japan, Proc.* 34(4):472-477. June 1966. 22.5 C38
H. Yanase, I. Endo, M. Kukuchi, and T. Tani, joint authors.
English summary.
- 27566 DAUPHIN, J. Development of grain products consumption. (Fr) *Meun. Franc.* 228:33-40. Nov.1966. 298.8 M57
- 27567 DONATH, E. J. 1964-65—the fifth record wheat year in succession. *Econ. Financ. Surv. Australia* 18:69-73. 1965. 280.8 Ec743
- 27568 DRAFTARY, R. D., WARD, A. B., and POMERANZ, Y. Distribution of lipids in air fractionated flours. *J. Food Sci.* 31(6):897-901. Ref. Nov./Dec.1966. 389.8 F7322
- 27569 EHEART, J. F., and MASON, B. S. Assay methodology studies of carbohydrate fractions of wheat products. *Ass. Offic. Anal. Chem. J.* 49(5):907-912. Oct.1966. 381 As7
- 27570 FARMERS UNION GRAIN TERMINAL ASSOCIATION. 1966 annual report. Washington, D. C., 1966. 28 p. 280.2599 F222
- 27571 FAULKNER, M. D., and WRATTEN, F. T. A new system for drying rice. *La. Agr.* 10(1):10-11. Fall 1966. 100 L939
- 27572 FELLERS, D. A., and others. Protein concentrates by dry milling of wheat millfeeds. *Cereal Chem.* 43(6):715-725. Ref. Nov.1966. 59.8 C33
A. D. Shepherd, N. J. Bellard, and A. P. Mossman, joint authors.
- 27573 FISCHBECK, G., REINER, L., and SCHULZE, F. W. Barley growing in the Voreifel. II. Grain quality of barley from central and outer districts. (Ge) *Brauwissenschaft* 19(11):447-450, map. Nov.1966. 390.8 B733
English summary.
- 27574 FISCHBECK, G. Trends in the development of grain production. (Ge) *Hochschulgag Landwirt. Fak. Univ. Bonn. Vortr.* 19:91-111. 1965. 27 H652
Area and yields.
- 27575 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO rice report, 1966. Rome, 1966. 26 p. Ref. 281.3599 F73F
- 27576 FRITSCH, E. Is scientific research in the field of grain chemistry and technology stagnating? (G) *Mullerei* 19(49):743-746. Dec.3,1966. 298.8 M91
- 27577 GOFF, A. M. The freight car shortage. *U. S. Agr. Res. Serv. ARS-74-35:69-74.* Aug.1966. A381 R31Ab
Wheat transportation.
- 27578 GRAVES, A. H., and WINTER, D. W. Unloading boxcars of grain at terminal elevators in the Hard Winter Wheat Area. *U. S. Agr. Res. Serv. ARS-52-15,26 p.* Aug.1966. A289.9 R31
- 27579 GREET, E. N., and BUTCHER, J. Application of a microwave method to the problem of wheat conditioning. *Food Trade Rev.* 36(12):55-58. Dec.1966. 389.8 F7334
- 27580 GUPTA, J. M. S. On the choice of sample cuts for national yield estimation surveys for cereal crop. *Sankhya, Ser. B.* 27(3/4):297-314. Ref. Dec.1965. 251.8 In2B
- 27581 GUPTA, J. M. S. The possibilities of an indirect estimation of paddy yield from auxiliary plant characters. *Sankhya, Ser. B.* 27(3/4): 283-296. Dec.1965. 251.8 In2B
- 27582 HEIFNER, R. G. The gains from basing grain storage decisions on cash-future spreads. *J. Farm Econ.* 48(5):1490-1495. Dec.1966. 280.8 J822
- 27583 HENRICHSEN, J. View of the Grain and Feed Branch [Korn- og Foderstofbranchen] on grain quality and grain payment. (Da) *Tollmands-bladet* 38(4):134-196. Apr.1966. 11 T58
- 27584 HIERONYMUS, T. A. When to sell corn, soybeans, oats, wheat. *Ill. Univ. Ext. Circ.* 948, 43 p. Oct.1966. 275.29 IL62C
- 27585 HOLME, J. A review of wheat flour proteins and their functional properties. *Baker's Dig.* 40(6):38-42,78. Ref. Dec.1965. 389.8 S11
- 27586 HOOVER, W. J. Behind the name change. *Feeds Illus.* 17(12):23,25. Dec.1966. 389.78 F326
Department of Flour and Feed Milling Industries at Kansas State University becomes Department of Grain Sciences and Industry.
- 27587 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of barley, 1965-66. New Delhi, 1966. 2 p. 269.5 In2Ab
- 27588 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of ragi 1964-65. New Delhi, 1965. 2 p. 269.5 In2Ar
- 27589 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of rice, 1965-66. New Delhi, 1966. 2 p. 269.5 In2Ar1
- 27590 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of wheat, 1964-65. New Delhi, 1965. 2 p. 269.5 In2Aw
- 27591 KLEIN, J. On the quality of bread-grain crop of 1966. (Hu) *Malomipar Termenyforgalom* 13(6):216-222. Nov./Dec.1966. 288.8 M292
- 27592 KROYER, K. Is it important to prepare starches to obtain glucose, dextrose and total sugar? Extraction of starches from starch-containing raw materials with enzymes and the further processing of the extraction product. (Ge) *Starke* 18(10):311-316. Oct.1966. 309 S122
English summary.
- 27593 KUUKANKORPI, P. Changes in grain consumption and in the consumer habits in Finland in the 20th century. (Ge) *Brot Geback* 20(10): 199-202. Oct.1966. 298.8 G33

- 27594 LANCASTER, E. B., MOULTON, K. J., and CONWAY, H. F. Kinetics of acid modification: [corn] starch and wheat flour. *Cereal Chem.* 43(6):689-695. Nov.1966. 59.8 C33
- 27595 LEIN, A. Contribution to the problem of breeding high quality wheat. (Ge) *Deut. Landwirt.-Ges. Pflanzenzucht.* Vortr. Pflanzenzüchter 9:98-116. 1965. 451 D485
Analysis and properties.
- 27596 LIPPUNER, C. Grain cleaning today. (Ge) *Deut. Muller-Zeitung* 64(25/26):634-637. Dec.15,1966. 298.8 Su2
- 27597 LISEKOV, A. Production and purchasing of durum and strong wheat varieties. (Rus) *Zemledelie* 11:13-17. Nov.1966. 20 Z44
Chiefly on quality and standardization.
- 27598 LLODY, G. Canadian wheat marketing. U. S. Foreign Agr. Serv. FAS-M-140,rev.,14 p.,map. Dec.1966. A281.9 F76Fm
- 27599 MAROUSEK, G. E. Production and distribution of south Idaho wheat, 1963-64. Idaho Agr. Res. Progr. Rep. 102,38 p.,map. Apr.1965. S53.E2
- 27600 MEDCALF, D. G., and others. A rapid procedure for alpha-amylase determination in malt. *Cereal Chem.* 43(6):675-682. Nov.1966. 59.8 C33
E. E. Tombetta, O. J. Banasik, and K. A. Gilles, joint authors.
- 27601 MILLER, D. L. Industrial uses of wheat and flour. U. S. Agr. Res. Serv. ARS-74-35:80-87. Aug.1966. A381 R31Ab
- 27602 MILLERS' NATIONAL FEDERATION. Directory of mill executives. Ed. 15. Chicago, 1965. 40 p. 225 M612
- 27603 MORGAN, A. I., BARTA, E. J., and GRAHAM, R. P. Chemical peeling of grain. U. S. Agr. Res. Serv. ARS-74-35:27-31. Apr.1966. A381 R31Ab
Chiefly WURLD wheat developed by Western Utilization Research Laboratory of USDA.
- 27604 MORTON, H. L. A report on the Wheat Foods Foundation. U. S. Agr. Res. Serv. ARS-74-35:13-19. Apr.1966. A381 R31Ab
- 27605 MUTTI, U. Autumn planting of wheat hampered by bad weather. (It) *Avvenire Agr.* 74(11):255-256. Nov.1966. 16 Av9
- 27606 NATIONAL CONFERENCE ON WHEAT UTILIZATION RESEARCH, 4, BOISE, IDAHO, 1965. [Report]. U. S. Agr. Res. Serv. ARS-74-35, 108 p. Apr.1966. A381 R31Ab
Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division of the U. S. Department of Agriculture's Research Service.
- 27607 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF MARKETING AND AGRICULTURAL ECONOMICS. New South Wales wheat crop—final forecast of production season 1965/66. Sydney, 1965. 1 p. 281.3599 N47
- 27608 OSTRAND, R. V. Grain supply down again. *Doane's Agr. Rep.* 30(2):19. Jan.8,1967. 281.8 D652
- 27609 PARODI, R. A. Sorghums in the Argentine Republic: development, present state, and problems; studies and contributions of the INTA [National Institute of Agricultural Technology, Instituto Nacional de Tecnologia Agropecuaria]. (Sp) *Soc. Rural Argent. An.* 100(9):24-25,27-29,31-34,36-37. Sept.1966. 9 S01
- 27610 PEDERSEN, H. Microorganisms in grain under different storage conditions. (Da) *Tolvmandsbladet* 38(11):570-577. Ref. Nov.1966. 11 T58
- 27611 PFEIFER, V. F., and GRAVES, R. R. Microbiology of wheat and flour: reduction of microbial population during milling. U. S. Agr. Res. Serv. ARS-74-35:60-64. Aug.1966. A381 R31Ab
- 27612 PFEUFFER, F. Determination of wheat quality before milling. (Ge) *Deut. Muller-Zeitung* 64(25/26):627-628,630-631. Dec.15,1966. 298.8 Su2
- 27613 PLEVOETS, C. On the proposed reform of the conventional gyle for malt analysis. (Fr) *Fermentatio* 5:249-251. 1966. 390.8 F38
- 27614 POMERANZ, Y. A review of recent studies of wheat flour lipids in breadmaking. *Baker's Dig.* 40(6):44-48,77. Ref. Dec.1966. 389.8 S11
- 27615 POPOV, A., and MITOV, L. Importance of hard wheat to the national economy and possibilities of increasing its production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 485:1-7. Oct.24, 1966. (JPRS 38,282; TT 66-34708)
173 J6635te
Bulgaria.
Translation from *Selskostopanska Nauka* 2:3-7. Apr./June 1966.
Issued by CFSTI.
- 27616 POTTER, E. F., and LONG, M. C. Colorimetric determination of calcium in rice and wheat. *Ass. Offic. Anal. Chem. J.* 49(5):905-906. Oct. 1966. 381 As7
- 27617 REPUBLIC OF SOUTH AFRICA. MEALIE INDUSTRY CONTROL BOARD. Report on maize for the financial year ended 30th April, 1966. Pretoria, 1966. 33 p.,map. 281.359 S03M
- 27618 SCHUMACHER, F. Technical aspects of grinding with roller mills. *Ass. Oper. Millers. Bull.* Jan.1967:2956-2957. 298.9 As7
- 27619 SEN, N. P., and SMITH, D. M. An improved enzymatic-ultraviolet method for determination of uric acid in flours. *Ass. Offic. Anal. Chem. J.* 49(5):899-902. Oct.1966. 381 As7
- 27620 SHELLENBERGER, J. A. The interpretation of experimental milling results. *Ass. Oper. Millers. Bull.* Jan.1967:2957-2958. 298.9 As7
- 27621 SHEPHERD, A. D. Beverage products from wheat. U. S. Agr. Res. Serv. ARS-74-35:31-38. Apr.1966. A381 R31Ab
- 27622 SHOVE, G. C. Cold storage for corn. *Ill. Res.* 8(4):17. Fall 1966. 100 IL64
- 27623 SKAER, O. P. Carrying capacity of United States wheats for European wheats. U. S. Agr. Res. Serv. ARS-74-35:38-46. Apr.1966. A381 R31Ab
Includes composition tables.
- 27624 SOLLAZZO, G. L. C. Tegument extracts as enzymic system improving the quality of flour for bread making. (It) *Tec. Molitoria* 17(18):461-466. Sept.30,1966. 298.8 Se42
- 27625 SPICHER, G. Causes and effects of self-heating of grain. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(45):1670,1672,1674. Nov.10,1966. 18 N39
- 27626 STAUFFER, C. E., and GLASS, R. L. The glycerol ester hydrolases of wheat germ. *Cereal Chem.* 43(6):644-657. Ref. Nov.1966. 59.8 C33
- 27627 STOHR, R. Grain market regulation in the EEC—backward and forward look. (Ge) *Kraftfutter* 49(8):390,392. Aug.1966. 389.78 K85
- 27628 STONER, H. P. Revised statistical series in the wheat situation. U. S. D. A. Econ. Res. Serv. WS-198:12-15. Oct.1966. 1.9 Ec752F
- 27629 STURM, P. A., PARKHURST, R. M., and SKINNER, W. A. Brogiotti-Franconi analytical method applied to whole wheat, flour and pasta. *Cereal Sci. Today* 11(12):523,526-528. Dec. 1966. 59.8 C333
Spectrophotometry.
- 27630 UNITED GRAIN GROWERS LIMITED. 60th annual report, year ended July 31, 1966. Winnipeg, 1933. 31 p. 280.29 Un34A
- 27631 VALATIN, L., HARASZTI, L., and KOTA, B. Cleaning experiments carried out during 1966 with wheat received directly from the combine. (Hu) *Malompar. Termenyforgalom* 13(6):209-215. Nov./Dec.1966. 298.8 M292
- 27632 VAMOS, G., and MERO, T. Increased utilization of straw pulp at higher paper machine speeds: comparison of industrial and laboratory made papers. (Ge) *Papier* 20(10A):753-760. Ref. Oct.1966. 302.8 P1934
English summary.

- 27633 WAGGLE, D. H., and DEYOE, C. W. Relationship between protein level and amino acid composition of sorghum grain. *Feedstuffs* 38 (51):18-19. Dec.24,1966. 286.81 F322
- 27634 YANEZ T., R. Quinoa and the revival of the industry in the Department of Cuzco. (Sp) *Vida Agr.* [Lima] 42(502/503):467,469,471,473, 475,477-482. Sept./Oct.1965. 9.8 V66
- HONEY AND BEESWAX**
- 27635 HAEGER, P. M. Home run for honey! *Amer. Bee J.* 106(9):340. Sept.1966. 424.8 Am3
Advertising honey among baseball players.
- 27636 SMITH, M. R., and MCCAUGHEY, W. F. Identification of some trace lipids in honey. *J. Food Sci.* 31(6):902-905. Ref. Nov./Dec.1966. 389.8 F7322
- 27637 STREIBL, M., STANSKY, K., and SORM, F. Some new hydrocarbons in the wax of honeybees (*Apis mellifica* L.) (Ge) *Fette, Seifen, Anstrichmittel* 38(10):799-805. Ref. Oct.1966. 384 C422
English summary.
- 27638 WEAVER, R. S. Random thoughts about beekeeping. *Amer. Bee J.* 106(9):344. Sept.1966. 424.8 Am3
Chiefly honey advertising in the United States.
- LIVESTOCK AND LIVESTOCK PRODUCTS**
- 27639 AMADUCCI, M. Livestock enquiry on the Emilia-Romagna region. (It) *Agr. Ferrarese* 70(4):78-81. Apr.30,1966. 16 Ag87
- 27640 ANTONOV, S. The meat industry in the new Five-year Plan: USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 155:1-8. Dec.2,1966. (JPRS 38,928; TT 66-35352) 173 J663Tro
Translation from *Mysnaya Industriya SSSR*. 37(4):1-5. 1966.
Issued by CFSTI.
- 27641 BOLDYREV, P. Plans for building meat industry enterprises outlined. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 147:1-6. Oct.18,1966. (JPRS 38,220; TT 66-34647) 173 J663Tro
Translation from *Mysnaya Industriya SSSR*. 3:6-9. 1966.
Issued by CFSTI.
- 27642 BONADONNA, T. Goat raising is being re-evaluated. (It) *Prog. Agr.* [Bologna] 12(10): 971-980. Oct.1966. 58.8 P94
- 27643 BUCHHOLZ, H. E., and JUDGE, G. G. A regional model of livestock production in the United States. (Ge) *Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)44(2):392-431, map. Ref. 1966. 18 G31
English summary.
Location theory.
- 27644 CANZIANI, P. Cattle stealing—its establishment as a crime. (It) *Nuovo Prog. Vet.* 21(19): 878,880,882. Oct.15,1966. 41.8 P942
Italian legislation relating to it.
- 27645 CUNHA, T. J. A general survey of the problems of intensive animal production. *Feedstuffs* 38(50):28,30-31,34. Dec.17,1966. 286.81 F322
Livestock industry.
- 27646 FABBRI, R. Livestock programs carried out in 1965. (It) *Agr. Ferrarese* 70(1):13-18. Jan.31,1966. 16 Ag87
- 27647 FECENKO, I. (Information from a study journey in Denmark. - *Cz. Pchodospodarstvo* 12 (9):733-733. 1966. 19.5 P752
Chiefly livestock industry, acreage and yields of field crops.
- 27648 FOURGOUX, J. C. Bologna sausage: sausage or not? (Fr) *Rev. Conserv.* 21(7):177-178. Nov.1966. 389.8 R326
- 27649 GRUNDKE, G. Observations on meat products during a test trip to West Africa. (Ge) *Fleischermeister* 20(6):144-147. June 1966. 50.8 F622
- 27650 HEISELBERG, V. Regulation of the meat industry in the Common Market. (Da) *Tidsskr. Landokon.* 9:411-419. Nov.1966. 11 T43
- 27651 KENNEDY, D. The world wide stock situation. *Brit. Cattle Breeders' Club. Dig.* 22:31-40. 1966. 43.9 B775
Livestock.
- 27652 KERÉKES, G. Debate on certain problems of meat production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 498:1-17. Nov.30,1966. (JPRS 38,877; TT 66-35301) 173 J663Ste
Hungary.
Translation from *Statistikai Szemle* 44 (8/9):842-854. Aug./Sept.1966.
Issued by CFSTI.
- 27653 KOTTMAN, R. M. Animal agriculture meeting its critical issues head-on. *Nat. Inst. Anim. Agr. Proc.* 16:34-43. 1966. 49.9 N219
Industry.
- 27654 MCLUSKIE, R. B. Meat industry builds for the future. *New Zeal. Studmasters' Annu. Rev.* 18:17-18. 1966. 49.7 N48
Includes trade.
- 27655 MIKHAYLOV, A. Improving the supply of dairy and meat products. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 158:28-30. Dec.15,1966. (JPRS 39,140; TT 66-35563) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 43:8. Oct.1966.
Issued by CFSTI.
- 27656 NATIONAL INSTITUTE OF ANIMAL AGRICULTURE. Sixteenth Institute-proceedings, Purdue University, Lafayette, Indiana, April 3-5, 1966. Lafayette, 1966. 112 p. Ref. 49.9 N219
Program: Critical issues ahead for animal agriculture.
- 27657 NICKAU, J., and SCHUTZ, R. Exchange of experiences with scientists and experts of the meat industry in the Hungarian People's Republic. (Ge) *Fleischermeister* 20(7):187-188. July 1966. 50.8 F622
Observations on a trip to Hungary.
- 27658 PAARLBERG, D. The potential impact on animal agriculture of a changing U.S. policy as a result of the world's food-population ratio. *Nat. Inst. Anim. Agr. Proc.* 16:3-9. 1966. 49.9 N219
- 27659 PEPPER, K. W. The challenge of synthetics to leather. *Chem. Indus.* 50:2079-2085. Dec.10,1966. 382 M31C
- 27660 RAIMONDI, R. Trends, problems, and prospects of beef production and consumption. (It) *Turin. Accad. Agr. Ann.* 107:227-241. 1964/65. 16 T63
- 27661 REPAS, T. Livestock production in the Crisana region and measures for the development of this important branch of production. (Rum) *Rev. Zooten. Med. Vet.* 16(11):5-12. Nov.1966. 49 P943
- 27662 ROBINSON, C. Looking ahead in red meat operations. *Nat. Inst. Anim. Agr. Proc.* 16:87-89. 1966. 49.9 N219
Discussion, p.101-105.
- 27663 SCARPATI, J. Meat, its problems and prospects of its location on foreign markets. (Sp) *Oeste* 5(15):13-22. Second Q.1966. 287 Oe8
Argentina.
- 27664 SIMMONS, W. M., and RIZEK, R. L. Performance of the livestock-feed grain sector. *J. Farm Econ.* 48(5):1455-1466. Ref. Dec.1966. 280.8 J822
Includes discussion by J. N. Ferris.
- 27665 STEVENS, D. M. Range sheep production—an economic analysis. *Nat. Wool Grower* 57(1): 20-22,26-27. Jan.1967. 45.8 N21N
Industry in Wyoming; includes costs and returns.
- 27666 TAPIA CANO, C. The production of alpaca meat. (Sp) *Vida Agr.* [Lima] 42(504/505):499-501,503,505,507-508. Nov./Dec.1965. 9.8 V66
- 27667 WALLACE, L. R. The importance of animal production to the national economy. *New Zeal. Vet. J.* 14(9):131-136. Sept.1966. 41.8 N483

- 27668 ZEZZOS, R. Cattle in literature and art. (It) Mondo Latte 20(10):792-795. Oct. 1966. 44.8 M74
- Analysis and Composition
- 27669 BARBE, C. D., MANDIGO, R. W., and HEN-RICKSON, R. L. Bacterial flora associated with ripened-processed ham. J. Food Sci. 31(6):988-993. Ref. Nov./Dec. 1966. 389.8 F7322
- 27670 BLENDL, H. M. The muscle surfaces of the ham and their relations to the meat and fat content of the ham and of the entire carcass as well as to the weight of the ham. (Ge) Zuchtungskunde 38(8):362-377. Ref. Oct. 1966. 49 Z8
English summary.
- 27671 COOK, C. F., and WRIGHT, R. G. Alterations in the contracture band patterns of unfrozen and prerigor frozen ovine muscle due to variations in post-mortem incubation temperature. J. Food Sci. 31(6):801-806. Ref. Nov./Dec. 1966. 389.8 F7322
- 27672 DAVIS, C. E., OCKERMAN, H. W., and CHILL, V. R. A rapid approximate analytical method for simultaneous determination of moisture and fat in meat and meat products. Food Technol. 20(11):95-97. Ref. Nov. 1966. 389.8 F7398
- 27673 DORST, J., and PLASCHE, W. Histological investigations on swine hides. (Ge) Fleischermeister 20(7):175-180. Ref. July 1966. 50.8 F622
- 27674 GOTHARD, R. H., and others. Histological studies of post-mortem changes in sarcomere length as related to bovine muscle tenderness. J. Food Sci. 31(6):825-828. Ref. Nov./Dec. 1966. 389.8 F7322
A. M. Mullins, R. F. Boulware, and S. L. Hansard, joint authors.
- 27675 MUNNS, W. O., and BURRELL, D. E. The incidence of dark-cutting beef. Food Technol. 20(12):95-97. Dec. 1966. 389.8 F7398
- 27676 MURPHY, E. W., and others. Composition of raw roasted lamb and mutton. I-II. J. Food Sci. 31(6):994-1004. Ref. Nov./Dec. 1966. 389.8 F7322
E. W. Toepfer, A. C. Marsh, S. N. Hagan, A. E. Blum, and H. Lichtenstein, joint authors.
- 27677 NICKAU, J., and SCHUTZ, R. Measurement of pH in theory and practice. (Ge) Fleischermeister 20(5):121-123. May 1966. 50.8 F622
In meat.
- 27678 NYIREDY, L., TAKACS, J., and NAGY, MRS. B. GY. On the Salmonella infection of home produced and imported food stuffs of animal origin. (Hu) Magyar Allatorv. Lapja 21(11):483-485. Ref. Nov. 1966. 41.8 V644
English summary.
Meat and fish meal.
- 27679 PAZLAR, M., KOCOVA, P., and POKORNY, J. Lipide changes in freeze-dried meat. I. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 131(5):269-273. Ref. Oct. 25, 1966. 384 Z39
- 27680 PETROVIC, B. Sanitary determination of radioactive contamination of livestock products and feed. (Se) Vet. Glas. 20(4):281-285. 1966. 41.8 J93
- 27681 POPOVIC, M. A contribution to the determination of percentage of water and dry nonprotein remainder in veal, beef and pork by means of Callow's mathematical method. (Se) Vet. Glas. 20(5):363-369. 1966. 41.8 J93
English summary.
- 27682 STEBLYUK, P. N. Accelerated method of bacteriological diagnosis of salmonellae in meat by means of luminescent microscopy. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitani. (Probl. Nutr.) USSR 24(1):1-5. May 4, 1965. (JPRS 29,912; TT 65-30901) 173 J663Trvo
Translation from Voprosy Pitaniya 24(1):16-18. Jan./Feb. 1965.
Issued by CFSTI.
- 27683 STRINGER, W. C., and NAUMANN, H. D. Influence of pre-display temperature and muscle firmness on microflora and sensory attributes of prepackaged beef. Food Technol. 20(11):108-110. Ref. Nov. 1966. 389.8 F7398
- 27684 TAKACS, J., and NAGY, MRS. B. GY. Occurrence of Salmonella germs in samples of meat origin in 1965. (Hu) Magyar Allatorv. Lapja 21(11):513-518. Ref. Nov. 1966. 41.8 V644
English summary.
- 27685 WASSERMAN, A. E. The composition of meat flavor. Nat. Provisioner 155(23):23-25, 40. Ref. Dec. 3, 1966. 286.85 N21
- 27686 WATTS, B. M., and others. Enzymatic reducing pathways in meat. J. Food Sci. 31(6):855-862. Ref. Nov./Dec. 1966. 389.8 F7322
J. Kendrick, M. W. Zipser, B. Hutchins, and B. Saleh, joint authors.
- 27687 WENIGER, J. H. Composition and evaluation of the carcass. (Ge) Z. Tierzucht. Zuchtungsbiol. 82(2):199-217. Ref. May 1966. 442.8 Z35
English summary.
- 27688 WISMER-PEDERSEN, J. Use of carbazole to determine 5'-ribonucleotides in meats. J. Food Sci. 31(6):980-981. Ref. Nov./Dec. 1966. 389.8 F7322
- Consumption and Utilization
- 27689 ALLEN, J. W. Red meat's consumer research. Nat. Inst. Anim. Agr. Proc. 16:49-51. 1966. 49.9 N219
Consumer preferences.
Discussion, p.67-70.
- 27690 LEVERTON, R. M. The meaning of nutrition in animal agriculture. Nat. Inst. Anim. Agr. Proc. 16:44-48. 1966. 49.9 N219
Consumer attitudes.
Discussion, p.67-70.
- 27691 MARTIN, D. New use of bacon. (Sp) Grasas Aceites 17(5):177-180. Sept./Oct. 1966. 307.8 G67
English summary, p.4 supplement.
- Distribution, Marketing, and Transportation
- 27692 ANTONIDES, R. J. Marketing your hogs at a profit. S. Dak. State Univ. Ext. Ed. Circ. EC 649:52-59. Feb. 1966. 275.29 S085
- 27693 BIANCHI, C., and CANZIANI, P. L. Further notes on the security of animal sale. III. (It) Veterinaria [Milano] 14(5):409-413. Sept./Oct. 1965. 41.8 V6499
- 27694 BIANCHI, C., and CANZIANI, P. Offer deal in security of animal sale. II. (It) Veterinaria [Milano] 14(4):317-327. July/Aug. 1965. 41.8 V6499
- 27695 COSTAMAGNA, G. Aspects and problems of the organization of the distribution system of meat in live and dead state. (It) Nuovo Prog. Vet. 21(18):816-818, 820. Sept. 30, 1966. 41.8 P942
- 27696 DOERR, R. The livestock and meat market in Great Britain. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten, Ber. Landwirt. (n.s.) 44(2):349-391. Ref., p.390-391. 1966. 18 G31
- 27697 FAURE, N. Current selling of slaughter sheep to slaughterhouses and markets of Lyons-la-Mouche. (Fr) Patre 123:7,9-14. May 1965. 45.8 P272
- 27698 JOHANNLUKENS, E. The beef market offers good marketing possibilities. (Ge) Agrarjahr 1966:41-46. 18 Ag85
- 27699 KALIS, H. Recent activities of France on the meat market. (Ge) Raiffeisen-Rundschau 17(12):484, 486. Dec. 1965. 284.28 R132
- 27700 KALIS, H. Supply of cattle rises—swine become tight. (Ge) Raiffeisen-Rundschau 18(2):63-65. Feb. 1966. 284.28 R132

- 27701 KOTTL, H. Mountain farmer and market. (Ge) Forderungsdienst 14(spec.no.2):8-14. May 1966. 19 F75
Market for milk and livestock products in Austria.
- 27702 LOPEZ ZUMEL, J. M. The meat market. (It) Rev. Sindical Estad. 21(83):2-14. Third Q. 1966. 263 Es8B
- 27703 MCPHERSON, W. K. Livestock movement information will be more useful after data processing is accomplished on computer. Fla. Cattleman Livestock J. 31(3):24-26,36. Dec. 1966. 43.8 F66
- 27704 OTTO, E., and ZIEGLER, H. A further contribution to the marketing of swine. (Ge) Fleischschmeister 20(6):147-148. June 1966. 50.8 F622
- 27705 PENSUET, P. Bellac market, a commercial quarter. (Fr) Patre 127(33)-35. Oct.1965. 45.8 P272
- 27706 ROUY, H. Trends in the meat market and European prospects. (Fr) Agr. Prat. 130(9,i.e.10):14-16. Oct.1966. 14 J82
- 27707 SCHMID, H. Animal raw materials in the slaughterhouse—a problem of profits. (Ge) Fleischschmeister 20(6):148-150. June 1966. 50.8 F622
Selling of byproducts and losses.
- 27708 SKADBERG, J. M., and FUTRELL, G. A. An economic appraisal of futures trading in livestock. J. Farm Econ. 48(5):1489-1489. Dec. 1966. 280.8 J822
- 27709 TOLBERT, R. Hands off—custodial funds. Agr. Marketing [Washington], Nov.1966:11. A280.38 Ag8
Packers and Stockyard's Act.
- 27710 TROG, K. Why the decline in sow rearing. (Ge) Tierzucht. Zuchtungsbiol. 82(5). 1966. 49 T445
Marketing and economic aspects.
- 27711 GUERRA, C. Campaign on improvement of skins. (Sp) Inst. Invest. Tecnol. Rev. 7(36):37-39. (Cont.) July/Aug.1965. 241.4 Iñ73
Defects and curing.
- 27712 GUERRA, C. F. Evaluation of skins. I. (Sp) Inst. Invest. Technol. Rev. 8(39):48-51. Ref. Jan./Feb.1966. 241.4 Iñ73
- 27720 HANTKE, C., and HEGEWALD, G. New measurements for quality evaluation. (Ge) Fleischschmeister 20(5):115-116. May 1966. 50.8 F622
- 27721 HANTKE, C., and HEGEWALD, G. Quality planning also in the meat industry. (Ge) Fleischschmeister 20(7):172-173. July 1966. 50.8 F622
- 27722 HARRINGTON, G. The relative accuracy and cost of alternative methods of pig carcass evaluation. Z. Tierzucht. Zuchtungsbiol. 82(2):187-198. May 1966. 442.8 Z35
- 27723 HASSELBACH, W. VON. EEC market regulation for swine—up to now and in the future. (Ge) Kraftfutter 49(8):394,396-398. Aug.1966. 389.7 K85
- 27724 JENNINGS, M. Training livestock weighmen. Agr. Marketing [Washington] 11(12):10. Dec. 1966. A280.38 Ag8
- 27725 JUDIS. Evaluation of DDR sausage quality comparisons up to now. (Ge) Fleischschmeister 20(6):142-143. June 1966. 50.8 F622
- 27726 KELLER, G. Compulsory and diseased animal slaughtering. (Ge) Fleischschmeister 20(5):118-120. (Cont.) May 1966. 50.8 F622
Inspection.
- 27727 KELLER, G. Compulsory and diseased animal slaughtering. (Ge) Fleischschmeister 20(6):151-153. (Cont.) June 1966. 50.8 F622
Inspection.
- 27728 LIENHOP, E. What is "decomposed milk protein" according to official argument to the 5th paragraph of meat regulation, December 19, 1959? (Ge) Arch. Lebensmittelhyg. 17(10):226-228. Oct.1966. 41.8 L49
To avoid product adulteration in sausage manufacture.
- 27729 MALY, F., SUCHODOLSKA-RYTEL, E., and JAWORSKA, K. The meat of right ham as the basis for estimation of carcass quality of lean producing hogs. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:27-32. 1965. 49.9 W26
English summary.
- 27730 MANDRUP-JENSEN, J. What is understood by quality meat? (Da) BP Olie-Kompagniet Nyhedstjeneste 53:16-20. Nov.1966. 281.9 B44
Veal and beef.
- 27731 PATTERSON, R. L. S. Possible contribution of phenolic components to boar odour. Nature [London] 212(5063):744-745. Nov.12,1966. 472 N21
In meat.
- 27732 PETTUS, D. M. Truth in meat advertising. Agr. Marketing [Washington], Nov.1966:6-7. A280.38 Ag8
Grading.
- 27733 PEZACKI, W., and others. Chemical characteristics of certain sterilized preserves after 12-13 years storage. (Pol) Med. Weter. 22(7):400-406. Ref. July 1966. 41.8 M463
L. Urbaniak, W. Dolata, Z. Lopatka, and S. Wozniak, joint authors.
English summary.
- 27734 SCHMID. Slaughter damage to hides and skins. (Ge) Fleischschmeister 20(7):173-174. July 1966. 50.8 F622
- 27735 SCHON, L. Quality evaluation and payment according to quality. (Ge) Raiffeisen-Rundschau 17(12):477-479. Dec.1965. 284.28 R132
Pork.
- 27736 TEMPER. Specific arrangements on cut meat. (Ge) Fleischschmeister 20(6):159-160. June 1966. 50.8 F622
Regulation.

Grading, Inspection, Standardization, and Quality

- 27737 WILHELM, C. Test of "meat and sausage products"—quality testing of the manufacturer and food inspector. (Ge) Arch. Lebensmittelhyg. 17(10):231-233. Oct.1966. 41.8 L49

- 27738 ZIEGLER, H., and WILKE, K. Problems of slaughter livestock production according to requirements. (Ge) Z. Agrarök. 9(7):365-374, map. 1966. 281.8 Z3
Quality and marketing in East Germany.

- 27739 ZSCHOCHE, H. Defects in canned products. IV. (Ge) Fleischmeister 20(7):184. July 1966. 50.8 F622
Metallic taste and swelling.

Prices, Price Control, and Rationing

- 27740 ECKERT, A. R. Practices, motivations and efficiency in price determination in Nebraska livestock auction markets. Nebr. Univ. Coll. Agr. Home Econ. Dep. Agr. Econ. Rep. 40, 63 p. Ref. Nov.1965. 281.9 N27

- 27741 JUSTIS, P. Beef—price trend is up. Doane's Agr. Rep. 30(2):14-15. Jan.8,1967. 281.8 D652

- 27742 LAMBORN, E. W., and GLENN, M. Utah livestock auction prices. Utah Farm Home Sci. 27(1):29-31. Mar.1966. 100 U1F
Beef cattle.

Processing and Storage

- 27743 ALEXA, G., CHIRITA, G., and CHIRITA, A. Consideration on an extra-rapid tanning process for sole leather. (Fr) Rev. Tech. Indus. Cuir 58(10):320-325. Oct.1966. 303.8 C89
Romania.

- 27744 CERVENKA, J. The effect of technological methods of processing semi-processed sausages and tropical temperature on properties and biochemical activity of *Staphylococcus aureus*. (Cz) Czech. Min. Zemedel. Lesního Hospod. Ústav Vedeckotech. Inform. Vet. Med. 39(6):379-387. June 1966. 41.9 C333
English summary.

- 27745 DURANDE-AYME, R., and BOURGEAT, P. Stratigrapholipidic separation, vapor-phase chromatography, two techniques for better study of fatty "repousse." (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Bull. Doc. Inform. 28(9/10):276-293. Sept./Oct.1966. 303.8 B87

- 27746 GOLÁ, J., SINGER, V., and LUKESOVA, M. Use of liquid concentrates of spices in the processing of meat products. (Cz) Veterinarství 16(11):511-514. 1966. 41.8 V6439

- 27747 GUNTHER. Storage of products with seasonal selling difficulties. (Ge) Fleischmeister 20(6):160. June 1966. 50.8 F622

- 27748 HERFELD, H., and others. Research on mechanization, rationalization, and automation in leather manufacture. II. On rationalization of leather manufacture and guaranteeing the obtaining of a regular good quality of leather by automatic controls and complete automation of stream operation in the cask. (Fr) Rev. Tech. Indus. Cuir 58(10):304,306,308,310,312, 314,316,318. Oct.1966. 303.8 C89
J. Otto, M. Oppelt, E. Haussermann, and H. Rau, joint authors.
Germany.

- 27749 JULLIEN, I., and PILLARD, C. Treatment of leathers in solvent medium. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Bull. Doc. Inform. 28(9/10):294-303. Sept./Oct.1966. 303.8 B87

- 27750 MARTINI, I. Concerning fresh meat prepared in vacuum with plastic wrapping. (It) Nuovo Prog. Vet. 21(18):813-814. Sept.30,1966. 41.8 P942

- 27751 SALERNI, A. Sanitary problems in the production and marketing of deep-frozen, fresh pre-packed, and frozen meats. (It) Nuovo Prog. Vet. 21(15/16):727-728,730,732,734,736,738. Aug.15/31,1966. 41.8 P942

- 27752 SIMON, S., RYPINSKI, A. A., and TAUBER, F. W. Water-filled cellulose casings as model absorbents for wood smoke. Food Technol. 20(11):114-118. Ref. Nov.1966. 389.8 F7398
Sausages.

- 27753 STAIKOFF, J. Bulgarian lukanka. (Ge) Fleischmeister 20(6):163. June 1966. 50.8 F622
Sausage type and its manufacture.

- 27754 VARNER, D. M. Efficient, low-temp freezing keeps meats fresh. Food Eng. 38(12):84-85. Dec.1966. 389.8 F737

- 27755 ZSCHOCHE, H. Defects in canned products. II. (Ge) Fleischmeister 20(5):129. May 1966. 50.8 F622
Sterilization.

- 27756 ZSCHOCHE, H. Defects in canned products. III. (Ge) Fleischmeister 20(6):162. June 1966. 50.8 F622
Storage directions.

Statistics

- 27757 BADEN-WÜRTTEMBERG. STATISTISCHES LANDESAMT. Schlachtungen und Fleischanfall im Wirtschaftsjahr 1964/65 [Slaughtering and meat yield in the fiscal year 1964/65]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 41,2 p. Oct.1,1965. 265 St28

- 27758 BADEN-WÜRTTEMBERG. STATISTISCHES LANDESAMT. Schlachtungen und Fleischanfall im Wirtschaftsjahr 1965/66 [Slaughtering and meat yields in the fiscal year 1965/66]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 48,2 p. Sept.27,1966. 265 St28

- 27759 GERMANY (FEDERAL REPUBLIC). STATISTISCHES LANDESAMT. Viehwirtschaft. III. Schlachtungen und Fleischgewinnung, Juni 1966 und Wirtschaftsjahr 1965/66 [Livestock industry. III. Slaughtering and meat yields, June 1966 and fiscal year 1965/66]. Stuttgart, 1966. 27 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 3) 265 G318Vie

- 27760 HESSE, STATISTISCHES LANDESAMT. Viehwirtschaft 1960 bis 1964 [Livestock industry 1960 to 1964]. Hess. Statist. Landesamt. Beitr. Statist. Hess. (n.s.)13,184 p. 1966. 265 H42

- 27761 KALIS, H. Results of the swine census; concern for the market share. (Ge) Raiffeisen-Rundschau 18(5):187-188. May 1966. 284.28 R132

- 27762 LENCO, M. Sampling enquiry on the structure of the cattle population and farm dairy production. (Fr) Soc. Statist. Paris. J. 107(7/9):164-183. July, Sept. 1966. 260 F212J
Includes discussion.

OILS AND OILSEEDS

- 27763 ALBERTARIO, P. The new olive oil system. (It) G. Agr. 76(45):477,481. Nov.6,1966. 16 ItG
Price regulation in the E.E.C.

- 27764 ALTUNA, A. R. Importance of oilseeds. (Sp) Inform. Grasas Aceites. Bol. 3(7):34-35. Sept. 1965. 307.8 In3
Argentina.

- 27765 AVANCINI, D., PEDRONI, G., and FRANCESCO, F. DE. A study on the structure of glycerides by means of coordinated chromatographic techniques. (It) Riv. Ital. Sostanze Grasse 43(10):450-456. Ref. Oct.1966. 307.8 OL3
English summary.

- 27766 BARRUTIA, F. The peanut industry. (Sp) Inform. Grasas Aceites. Bol. 3(7):64-68, map. Sept.1965. 307.8 In3
Argentina.

- 27767 BATRA, M. M. Recent trends in oilseeds price policy for oilseeds and vegetable oils. Agr. Situation India 21(4):211-214. July 1966. 281.9 In23

- 27769 BERTONI, M. H., KARMAN DE SUTTON, G., and CATTANEO, P. Argentine grapeseed oils; chemical composition. (Sp) *Asoc. Quim. Argent. An.* 54(1/2):89-99. Ref. Mar./June 1966. 385 SoIA
English summary.
- 27769 BERTONI, M. H., and others. Domestic sunflower seed oils; chemical composition. (Sp) *Asoc. Quim. Argent. An.* 54(1/2):101-115. Ref. Mar./June 1966. 385 SoIA
G. Karman De Sutton, P. Cattaneo, and J. G. Gomez Artero, joint authors.
English summary.
- 27770 BHRARA, S. C., and SESHADRI, T. R. Chemical components of *Vateria indica* seeds. *Cur. Sci.* 35(19):486-487. Oct. 5, 1966. 475 Sci23
Study of its oil.
- 27771 BHUWALKA, S. A projection of India's demand for fats and oils in the future Five Year Plans up to 1976. *Oleagineux* 21(10):621-624. Oct. 1966. 77.8 OL2
- 27772 CATALANO, M. Distribution of fatty acids in olive oil glycerides. (It) *Bari. Univ. Fac. Agr. Ann.* 19:469-483. Ref. p.481-483. 105.4 B232
English summary.
- 27773 CATALANO, M. The partial glycerides of vegetable oils. (It) *Bari. Univ. Fac. Agr. Ann.* 19:393-404. 1965, pub. 1966. 105.4 B232
English summary.
Diglycerides of olive and oilseed oils.
- 27774 CATTANEO, P., BERTONI, M. H., and KARMAN DE SUTTON, G. Proteaceae seed oils. II-III. (Sp) *Asoc. Quim. Argent. An.* 54(1/2):117-128. Ref. Mar./June 1966. 385 SoIA
English summary.
II, Genus *Grevillea*; III, Genus *Protea*.
- 27775 CHAMPION, B. P. South American essential oils. *Drug Cosmet. Indus.* 99(6):64,66,68,184. Dec. 1966. 396.8 D842
- 27776 CHELAZZI, A. Hydraulic and hydropneumatic conveyance means in oil mills for olive oil extraction, to be utilized as a processing stage. (It) *Riv. Ital. Sostanze Grasse* 43(10):432-437. Oct. 1966. 307.8 OL3
English summary.
- 27777 COPPOLA, G. Report on the olive oil industry. (Fr) *Oleagineux* 21(10):603-606. Oct. 1966. 77.8 OL2
- 27778 CORNELIUS, J. A. Cashew nut shell liquid and related materials. *Trop. Sci.* 8(2):79-84. Ref. 1966. 26 T756
- 27779 DAVIS, E. G. Texture changes of salted peanuts in flexible-film and tinsplate containers. *Food Technol.* 20(12):92-94. Dec. 1966. 389.8 F7398
- 27780 DEBELMAS, J., BESSON, P., and HERISSET, A. Tests on "industrial lyophilization" of medicinal plants. II. Rumanian camomile (*Anthemis nobilis* L.). (Fr) *Ann. Pharm. Franc.* 24(9/10):587-592. Sept. Oct. 1966. 396.8 An7
Includes analysis of the essential oil.
- 27781 DEUTSCHE GESELLSCHAFT FÜR FETTWISSENSCHAFT. 1966 conference, October 23 to 28, in Hanover, (Ge) *Deut. Apoth.-Zeitung* 106(50):1835-1839. Dec. 15, 1966. 396.8 Su2
Summaries of papers.
- 27782 DUQUENOIS, P. Attempt at defining the concept of essential oil for the purpose of international standardization. (Fr) *France Parfums* 9(49):261-266. June/July 1966. 308.8 F84
English summary.
- 27783 ETTLINGER, M. G., and others. Veratryl isothiocyanate, a new mustard oil, from *Heliophila longifolia* DC. (Cruciferae). *Acta Chem. Scand.* 20(7):1778-1782. Ref. 1966. 385 Ac82
A. Kajaer, C. P. Thompson, and M. G. Wagnieres, joint authors.
- 27784 FEUILL, A. J. Aflatoxin in groundnuts. IX. Problems of detoxification. *Trop. Sci.* 8(2):61-70. Ref. 1966. 26 T756
Growth of *Aspergillus flavus*.
- 27785 FONTANA, H. Payver system of "winterization" of vegetable oils. (Sp) *Grasas Aceites* 17(4):142-144. July/Aug. 1966. 307.8 G76
English summary, p.4 of supplement.
- 27786 FREZZOTTI, G. Progress in olive oil extraction. (It) *Macch. Motori Agr.* 24(10):97-100. Oct. 1966. 58.8 M13
Equipment.
- 27787 GAD, A. M., EL-KHALAFY, H. M., and EL-NOCKRASHY, A. S. The thin layer chromatography of some Rosaceae and Solanaceae phospholipids. *Grasas Aceites* 17(4):129-132. Ref. July/Aug. 1966. 307.8 G76
- 27788 GALLEGO, F., SWIATOPOLK-MIRSKI, A., and VALLEJO, E. Contribution to the study of *Chenopodium botrys* L. in relation to its essential oil. (Sp) *Farmacognosia* 25(1/2):69-87. Ref. Jan./June 1965. 396.8 F222
Includes geographical distribution.
- 27789 GARAY, A. Expansion and diversification of oilseed production. (Sp) *Inform. Grasas Aceites*. Bol. 3(7):30-33. Sept. 1965. 307.8 In3
Argentina.
- 27790 GARG, S. K., and GUPTA, D. R. Chemical examination of the bark oil of *Litsea consimilis*. *Fette, Seifen, Anstrichmittel* 38(10):809-810. Ref. Oct. 1965. 334 C422
- 27791 GLUSHENKOVA, A. I., KRINITSKAYA, L. E., and MARKMAN, A. L. Kinetics of the hydrogenation process of cottonseed oil. (Rus) *Uzbekskii Khim. Zhur.* 5:52-57. 1966. 385 U21
- 27792 GRACIAN, J., and AREVALO, G. Storage of olive oil in polyethylene flasks; preliminary note. (Sp) *Grasas Aceites* 17(4):135-141. July/Aug. 1966. 307.8 G76
English summary, p.4 of supplement.
- 27793 GUPTA, H. P. Rice bran. *Oils Oilseeds J.* 19(3):6-8. Sept. 1966. 307.8 O154
Problems of oil extraction.
- 27794 GUTIERREZ GONZALEZ-QUIJANO, R. Study on packing of olive oil in polyvinyl chloride bottles. (Sp) *Grasas Aceites* 17(4):125-129. Ref. July/Aug. 1966. 307.8 G76
English summary, p.4 of supplement.
- 27795 HADORN, H., and ZURCHER, K. Investigation of edible oils on the basis of the ultraviolet difference spectrum. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 57(3):189-231. Ref. 1966. 389.9 Sw6
English summary.
- 27796 HENLEY, D. New interest in soybeans. *Doane's Agr. Rep.* 30(2):30-31. Jan. 8, 1967. 281.8 D652
- 27797 HOSHINO, M. Japanese margarine situation. *Oils Oilseeds J.* 19(3):4-5. Sept. 1966. 307.8 O154
- 27798 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of ground-nut, 1964-65. New Delhi, 1965. 2 p. 269.5 In2Ag
INTERNATIONAL SOCIETY FOR FAT RESEARCH. Abstracts of selected papers from the 6th congress, Budapest, October 10-14, 1966. (Hu) *Elelmiszeri Ipar* 20(12):360-363. Dec. 1966. 290.9 M57
- 27800 JACINI, G., FEDELI, E., and SCHAEFER, W. C. Effect of synthetic chelates on the autoxidation of unsaturated fatty acid esters. *J. Agr. Food Chem.* 14(6):650-653. Nov./Dec. 1966. 381 J8223
- 27801 KARMAN DE SUTTON, G., and others. Oils of carthamus seed (*Carthamus tinctorius*); chemical composition. (Sp) *Asoc. Quim. Argent. An.* 54(1/2):79-88. Ref. Mar./June 1966. 385 SoIA
M. H. Bertoni, S. A. Longo, and P. Cattaneo, joint authors.
English summary.
- 27802 KAUFMANN, H. P., and MUKHERJEE, K. D. Modern technology of fats and fat products. CXIV. The refining of fats. (Ge) *Fette, Seifen, Anstrichmittel* 38(10):896-907. Ref. Oct. 1966. 384 C422
- 27803 KIFIBUCHI, T., MIZUNAGA, T., and FUNAHASHI, S. Separation of soybean sterols by florisl chromatography and characterization of acylated steryl glucoside. *Agr. Biol. Chem.* 30(8):770-778. Ref. Aug. 1966. 385 Ag8B

- 27804 KOPACZ, B. M., HOFFPAUIR, C. L., and DOLLEAR, F. G. Recent developments in oilseed research at the Southern Utilization Research and Development Division. Cotton Gin Oil Mill Press 67(15):7-8,25-29. Ref., p.28-29. July 16,1966. 304.8 C822
- 27805 KROMER, G. W. Price may average 25¢ above support. Soybean Dig. 27(2):6-8. Dec.1966. 60.38 S09
- 27806 KUDVA, K. G. Alkyls from niger seed [Guizatia spp.] oil (a semi-drying oil). Paintindia 16(7):23-24. Oct.1966. 306.8 P164
- 27807 KUNDU, P. K., and KUMAR, S. Water-based shellac coatings. I. Lac-tung oil-phenolic resin. Paintindia 16(6):27-32. Sept.1966. 306.8 P164
- 27808 KUO, L. H., and SAI, Y. G. The occurrence of aflatoxin in Malaysian imported oil cakes and groundnut kernels. Malaysian Agr. J. 45(3):232-244. Ref. Jan.1966. 22.5 F312
Caused by *Aspergillus flavus*.
- 27809 LAWHON, J. T., and WAMBLE, A. C. The processing and storage characteristics of glandless cottonseed. Amer. Oil Chem. Soc. J. 43(11):639-642. Nov.1966. 307.8 J82
- 27810 LOSI, G., and PALLIOTTA, U. On the composition of Italian olive oils. (It) Riv. Ital. Sostanze Grasse 43(10):425-431. Ref. Oct.1966. 307.8 OL3
English summary.
- 27811 LOTTI, G., BAZAN, E., and AVERNA, V. Olive oils from different varieties grown in Sicily. (It) Riv. Ital. Sostanze Grasse 43(10):438-449. Ref. Oct.1966. 307.8 OL3
English summary.
Composition.
- 27812 MACAULIFER, P. E. Extension in peanuts. (Sp) Inform. Grasas Aceites. Bol. 3(7):79-90. Sept.1965. 307.8 In3
Program.
- 27813 MAIER, J. Composition of hop oil in relation to variety, quality and commercial products of hops. (Ge) Brauwissenschaft 19(11):425-434. Ref. Nov.1966. 390.8 B753
English summary.
- 27814 MALONE, P. J. Outlook for the 1966-67 soybean season. Amer. Oil Chem. Soc. J. 43(11):518A,523A. Nov.1966. 307.8 J82
- 27815 MARCIOTTE, C. V. Basic document of the Oilseeds Program Meeting. (Sp) Inform. Grasas Aceites. Bol. 3(7):5-29. Ref. Sept.1966. 1965. 307.8 In3
On the Argentine oilseeds and oils industry.
- 27816 MARTINENGLI, G. B. Elaidic acid in edible oils. (Fr) Oleagineux 21(10):607-611. Ref. Oct.1966. 77.8 OL2
English summary, p.XLVII.
- 27817 MARTINEZ MORENO, J. M., and others. Ternary diagrams "vegetable oil-hexan-surface active agent" in the problems of vegetable oil extraction. (Sp) Grasas Aceites 17(5):165-166. Sept./Oct.1966. 307.8 G76
J. Pereda, J. de Haro, and R. Cortes, joint authors.
English summary, p.4 supplement.
- 27818 MOIR, G. F. J., and VARGHESE, G. The aflatoxins. Malaysian Agr. 5:18-35. Ref. p.32-35. 1964/65. 22.5 K952
Aspergillus flavus on peanuts.
- 27819 MOSER, H. A., and others. The stability of soybean oil: effect of time and temperature on deodorization. Amer. Oil Chem. Soc. J. 43(11):632-634. Ref. Nov.1966. 307.8 J82
P. C. Cooney, C. D. Evans, and J. C. Cowan, joint authors.
- 27820 NATIONAL FLAXSEED PROCESSORS ASSOCIATION. Year book and trading rules, 1967. Washington, D. C., 1967. 42 p. 307.9 N213
Linseed meal and oil.
- 27821 NAUMENKO, P. V. Basic problems of the scientific and technical development of the USSR vegetable oil industry. (Hu) Elelmezési Ipar 20(12):357-360. Dec.1966. 290.9 M57
English summary.
- 27822 NINNIS, L. N., and NINNI, M. L. The importance of ultraviolet absorption analysis of olive oil. (Fr) Rev. Franc. Corps Gras 13(11):671-676. Ref. Nov.1966. 307.8 R32
English summary.
- 27823 OHTA, Y., SAKAI, T., and HIROSE, Y. Sesquiterpene hydrocarbons from the oil of cubeb: alpha-cubebene and beta-cubebene. Tetrahedron Lett. 51:6365-6370. Dec.1966. 385 T29
- 27824 OSTEROTH, D. Natürliche Fettsäuren als Rohstoffe für die chemische Industrie [Natural fatty acids as raw material for the chemical industry]. Samml. Chem. Chem.-Tech. Beitr. (n.s.)62,164 p. Ref. 1966. 384 S44
- 27825 PARIS, R. Study on aromatic plants and their essential oils with the aid of thin layer chromatography. (Fr) France Parfums 9(50):345-348. Ref. Sept./Oct.1966. 308.8 F84
English summary.
- 27826 PARISI, L. Olive culture after the first of November. (It) Prog. Agr. [Bologna] 12(10):957-963. Oct.1966. 58.8 P94
The industry in Italy in relation to the Common Market.
- 27827 PARKER, W. A., and MELNICK, D. Absence of aflatoxin from refined vegetable oils. Amer. Oil Chem. Soc. J. 43(11):635-638. Ref. Nov.1966. 307.8 J82
- 27828 PEROTTI, L., and PEROTTI, F. Essential oils in the 1955-1964 decennium (boom, recession, recovery). (It) Riv. Ital. Essenze-Profumi-Plante Offic.-Aromi-Saponi-Cosmet.-Aerosol 48(9):574-580. Sept.1966. 308.8 R52
- 27829 RACKIS, J. J. Soybean trypsin inhibitors: their inactivation during meal processing. Food Technol. 20(11):102-104. Ref. Nov.1966. 389.8 F7398
- 27830 REMUSSI, C., and PASOALE, A. J. Soybean culture in Argentina. (Sp) Inform. Grasas Aceites. Bol. 3(7):81-83. Sept.1965. 307.8 In3
Outlook and policy.
- 27831 REUNION DE PROGRAMACION DE OLEAGINOSOS, J. EUENOS AIRES? 1965. [Papers of the Oilseeds Program Meeting]. (Sp) Inform. Grasas Aceites. Bol. 3(7):3-84, map. Ref. Sept.1965. 307.8 In3
- 27832 RIEDL, O. The concept of "cocoa butter" in Austria. (Ge) L E (Lebensmittel Ernähr.) 19(11):6-8. Nov.1966. 389.8 Z34
- 27833 ROBERTS, R. H. Rapeseed fast becoming major source of vegetable oil in Canada. Foreign Agr. Incl. Foreign Crops Markets 5(4):13. Jan.23,1967. A281.9 F76Fo
- 27834 RODRIGUEZ M., J. Storage of cottonseed: problems and solutions. (Sp) Inst. Invest. Technol. Rev. 7(38):11-27. Ref. Nov./Dec. 1965. 241.4 In73
- 27835 ROHNE, G. Modern extraction of grapeseed oil. (Ge) Fette, Seifen, Anstrichmittel 68(10):805-808. Oct.1966. 384 C422
English summary.
- 27836 SAMBUC, E., and NAUDET, M. On the dilatometry of margarines and other plastic fats. (Fr) Rev. Franc. Corps Gras 13(11):677-680. Nov.1966. 307.8 R32
English summary.
- 27837 SOLOMON, B. Examination of various rapid methods of determining the oil content of seeds. (Fr) Rev. Franc. Corps Gras 13(11):681-688. Ref. Nov.1966. 307.8 R32
English summary.
Oilseeds.
- 27838 SOLOMON, D. H., and SWIFT, J. D. The influence of catalysts on the glycerolysis of linseed oil. Oil Colour Chem. Ass. J. 49(11):915-927. Ref. Nov.1966. 306.9 O15
- 27839 STACCHINI, A., and BONIFORTI, L. Gas chromatographic determination of benzaldehyde in the barley-water syrup. (It) Ist. Super. Sanit. Ann. 1(1/6):374-379. 1965. R65.18
English summary.
Includes almond oil.

- 27840 SWISHER, H. E. The physicochemical properties of California orange and lemon oils. *Perfumery Essent. Oil Rec.* 57(12):771-772. Dec. 1966. 308.8 P41
- 27841 SZASZ, MRS. Z. M., and SZASZ, GY. Thin-layer chromatography of anise oil. (Hu) *Herba Hung.* 5(2/3):91-94. 1966. 71.8 H413
German summary.
- 27842 UKSILA, E., and LEHTINEN, I. Crystallization of linseed oil fatty acids from acetone. *Acta Chem. Scand.* 20(6):1645-1650. 1966. 385 Ac82
- 27843 UKSILA, E., VARESMÄÄ, M., and LEHTINEN, I. Separation of unsaturated fatty acids of soybean and linseed oils by crystallization and subsequent liquid-liquid extraction. *Acta Chem. Scand.* 20(6):1651-1657. Ref. 1966. 385 Ac82
- 27844 U. S. CROP REPORTING BOARD. Peanut stocks and processing; seasonal report, August 1965-July 1966. *Rev. Washington*, 1966. 6 p. 1.941 M8P31
Statistics.
- 27845 VINOT, M., and BOUSCARY, A. A propos of lavender. (Fr) *France Parfums* 9(50):357-360. Sept./Oct. 1966. 308.8 F84
Industry.
- 27846 VIOQUE, A., ALBI, T., and ALBI, M. A. Spectrophotometric determination of tocopherols in autoxidized fats. (Sp) *Grasas Aceites* 17(5):172-176. Sept./Oct. 1966. 307.8 G76
English summary, p.4 supplement.
- 27847 VOOGT, P. The analysis of fatty amines. (Ge) *Fette, Seifen, Anstrichmittel* 68(10):825-830. Oct. 1966. 384 C422
English summary.
- 27848 WEIL, J. K., STIRTON, A. J., and NUNEZ-PONZO, M. V. Ether alcohol sulfates; the effect of oxypropylation and oxybutylation on surface active properties. *Amer. Oil Chem. Soc. J.* 43(11):603-606. Ref. Nov. 1966. 307.8 J82
- 27849 WOLFF, I. A. Seed lipids. *Science* 154(3753):1140-1149. Ref. Dec. 2, 1966. 470 Sc12
Chiefly in oilseeds.
- 27850 WREN, W. L., and WETHERALL, R. L. Chocolate and confectionery fats. *Brit. Food J.* 68(813):132-134. Oct. 1966. 389.8 B77
Includes properties.
- 27851 ZEZZOS, R. The olive oil policy of the "Caput Mundi." (It) *Roma Econ.* 19(7):376-379, map. July 1966. 280.8 R66
In ancient Rome.
- 27852 BROOKS, D. W. Poultry and the housewife backlash. *Dixie Co-op News* 17(5):3,6. Nov. 1966. 280.28 D64
Prices.
- 27853 CARD, L. E., and NESHEIM, M. C. Poultry production. Ed. 10. Philadelphia, Lea, 1966. 400 p., map. SF487.C3
Industry.
- 27854 FRY, J. L., HERRICK, G. M., and AHMED, E. M. Effect of irradiation on the peeling of newly laid eggs hard-cooked following irradiation. *Food Technol.* 20(10):131. Oct. 1966. 389.8 F7398
- 27855 HEFFERNAN, B. E. NTF [National Turkey Federation] moves to modernize. *Poultry* 36(8):A-30-A-31. Aug. 1966. 47.8 P8656
- 27856 HILSE, G. Increased egg production with stagnating market. (Ge) *Raiffeisen-Rundschau* 18(5):191. May 1966. 284.28 R132
- 27857 KEMPERS, B. W. Why the cost of poultry and egg grading is dropping. *Agr. Marketing [Washington]* 11(12):16. Dec. 1966. A280.38 Ag8
- 27858 KISS, I., and FARKAS, J. The extension of the shelf-life of poultry meat by the combined application of tetracycline-1-dodecyl-4-benzene-sulfonic acid and ionizing radiation. (Hu) *Budapest, Kozponti Elemiszeripari Kutatóintézet Közlem.* 3:1-4. Ref. 1965. 389.9 B85
English summary.
- 27859 KLINE, L., SUGIHARA, T. F., and LJICHI, K. Further studies on heat pasteurization of raw liquid egg white. *Food Technol.* 20(12):98-100. Dec. 1966. 389.8 F7398
- 27860 MAHADEVAN, T. D. The use of egg cooling cabinet to preserve quality of eggs in summer season. *Indian Poultry Gaz.* 50(2):33-37. July 1966. 47.8 In22
- 27861 MAHMUD, A. B. Some problems of poultry improvement in Malaysia. *Malayan Agr.* 5:56-61. 1964/65. 22.5 K952
Industry.
- 27862 MARTIN, A. G. North Carolina has 426% increase in turkey production in 10 years. *Feed-stuffs* 38(50):24,62, map. Dec. 17, 1966. 286.81 F322
- 27863 MAY, K. N. Fresh or frozen? mere attitude seems to be key. *Broiler Indus.* 29(12):58-60. Dec. 1966. 47.8 N45
Consumer preferences concerning poultry meat.
- 27864 MCARTHUR, M. H. The Council of Egg Marketing Authorities of Australia—history, objects and operation. *EMB (Egg Marketing Board) Bull.* 6(10):15, 17, 19, 21. Oct. 1966. 280.38 Eg3
- 27865 NICKOLAS, N. J. Census pinpoints laying flock changes. *Poultry Trib.* 72(12):26-27, 44. Dec. 1966. 47.8 P8642
- 27866 NOWAK, C. M., POWRIE, W. D., and FENNEMA, O. Interaction of low-density lipoprotein (LDL) from yolk plasma with methyl orange. *J. Food Sci.* 31(6):812-818. Ref. Nov./Dec. 1966. 389.8 F7322
- 27867 OSNER, R. C. Influence of processing procedures on the post-mortem permeability of chicken muscle sarcolemmas to protein. *J. Food Sci.* 31(6):832-837. Ref. Nov./Dec. 1966. 389.8 F7322
- 27868 REPUBLIC OF SOUTH AFRICA. EGG CONTROL BOARD. Thirteenth annual report covering the period from 1st July, 1965 to 30th June, 1966. Pretoria, 1966. 19 p. 47.9 So86
- 27869 SAULMON, E. E. Control of Salmonella contamination in eggs, feeds, and feed products. *Amer. Vet. Med. Ass. J.* 149(12):1691-1697. Ref. Dec. 15, 1966. 41.8 Am3
- 27870 SPIEGEL, L. S. Margin of error very slim when it comes to flavor. *Broiler Indus.* 29(12):48, 50. Dec. 1966. 47.8 N45
Processed poultry products.

POULTRY AND POULTRY PRODUCTS

- 27852 ADAMS, F., CROY, B., and MILLER, C. How three poultrymen view the future. *Poultry Meat* 3(8):74. Aug. 1966. 47.8 P8656
- 27853 ADAMS, F. Looking ahead in poultry operations. *Nat. Inst. Anim. Agr. Proc.* 16:74-79. 1966. 49.9 N219
Discussion, p.101-105.
- 27854 AREF, M. M., and TAPE, N. W. A new method for processing turkey rolls. *Can. Food Indus.* 37(12):15-18. Dec. 1966. 286.83 C166
- 27855 BAKER, R. C., DARRAH, L. B., and DARFELER, J. M. The use of eggs for new products. *Poultry Sci.* 45(5):1011-1017. Sept. 1966. 47.8 Am3P
- 27856 BECKMAN, H., and others. An improved method for the analysis of DDT and its metabolites in eggs. *Ass. Offic. Anal. Chem. J.* 49(5):996-999. Oct. 1966. 381 A57
A. Bevenue, K. Carroll, and F. Erro, joint authors.
- 27857 BENDER, F. E. Performance of the broiler industry—a simulative approach. *J. Farm Econ.* 48(5):1467-1478. Dec. 1966. 280.8 J822
Includes discussion by J. E. Martin.
- 27858 BISHOP, R. J. Egg shell quality. *West. Australia, Dep. Agr. J.* (ser.4)7(9):415-417. Sept. 1966. 23 W52J

- 27878 SZEBERENYI, B., and NADAI, B. The control engineering characteristics of poultry scalding tank. (Hu) Budapest, Kozponi Elelmiszertari Kutatointezet Kozlem. 3:23-28. 1965. 389.9 B85
English summary.
- 27879 WILHELM, L. A. Poultry and egg acceptabilities. Nat. Inst. Anim. Agr. Proc. 16:56-61. 1966. 49.9 N219
By the consumer.
Discussion, p.67-70.
- 27880 ZENHANREN, YIKEIBU. Yokei kankei tokei shiryō [Statistical data of the poultry business]. Tokyo, 1965. 33 p. HD9437.J324
- 27896 HOCH, H. F. Green Week 1966 and the seed business. (Ge) Saatgut-Wirtsch. 18(3):69-70. Mar.1966. 61.8 Sal
- 27897 JENSEN, L. A. Challenges of seed technology in the moist Tropics. Malayan Agr. 5:52-55. 1964/65. 22.5 K952
- 27898 LECHNER, L. Regard for varieties as a means for furthering the production, breeding and marketing of seeds of forage plants. (Ge) Saatgut-Wirtsch. 18(6):198-202. June 1966. 61.8 Sal
- 27899 LOWIE, E. Modern seed treatment. (Ge) Saatgut-Wirtsch. 18(8):270-272. Aug.1966. 61.8 Sal
- 27900 LUKACS, L., and ELIAS, GY. Experiences with pelleted sugar beet seed production in Hungary. (Hu) Cukoripar 19(6):209-211. Nov./Dec.1966. 65.8 C89
German summary.

RUBBER AND RUBBER SUBSTITUTES

- 27881 APPRAISAL 1966; a technological review of the rubber industry. Rubber Age 98(12):61-67. Dec.1966. 305.8 R82
Natural rubber, by S. T. Semegen.
- 27882 BLOOMFIELD, G. F. The new look of natural rubber. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1299-1303. Oct.1966. 305.8 R32
English summary.
Quality.
- 27883 FABRE, R. Natural rubber in the economy of producer countries. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1263-1270. Oct.1966. 305.8 R32
English summary, p.1221.
- 27884 HOFFMANN, J. F. J. Study of parameters influencing the cut-growth resistance of polybutadiene, polyisoprene, natural rubber, SBR Vulcanisates. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1315-1318. Oct.1966. 305.8 R32
English summary.
- 27885 LEVEQUE, J. The new look of natural rubber. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1304-1306. Ref. Oct.1966. 305.8 R32
English summary.
Properties and quality.
- 27886 LUSTINEC, J., CHUN, C. K., and RESING, W. L. Tapped area in young trees of Hevea brasiliensis. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1343-1354. Ref. Oct.1966. 305.8 R32
- 27887 RUBBER in Nigeria. (Fr) Rev. Gen. Caoutchouc Plast. 43(10):1257-1260, map. Oct.1966. 305.8 R32
- 27888 VARGA, O. H. Stress-strain behavior of elastic materials; selected problems of large deformations. New York, Interscience, 1966. 190 p. (Polymer Reviews, v. 15) QA935.V3
Review of the literature.
Includes rubber.
- 27889 YAMAMOTO, K., KUSAMIZU, S., and FUJITA, H. Thermoelectricity of rubber vulcanizates. I. Makromol. Chem. 99:212-225. Ref. Dec.15, 1966. 384 M28
- 27890 ZEPLICHAL, F. Influence of high-energy radiation on high polymers, especially elastomers. (Fr) Rev. Gen. Caoutchouc Plast. 43(7/8):971-978. Ref. July/Aug.1966. 305.8 R32
German summary.

SEEDS

- 27891 ÁCKERL, I. Tomato planting seed production in Kecskeket. (Hu) Kerteszeti Szolész. 15(21):6-7. Nov.1966. 80 K474
Processing.
- 27892 BOSWELL, V. R. Seeds and the produce business. United Fresh Fruit Veg. Ass. Yearbook 1967:17-18, 20, 22, 26, 28, 30, 33. 280.3939 Un3
- 27893 DRAMARETSKII, V. Processing sugar beet seeds in the factory. (Rus) Sakarn. Svekla 12:24-25. Dec.1966. 66.8 Su393
- 27894 ENOCH, I. C. Market seeds. Malayan Agr. 5:56-51. 1964 65. 22.5 K952
- 27895 GOTZ, C. Considering marketing. (Ge) Saatgut-Wirtsch. 18(3):74-76. Mar.1966. 61.8 Sal
Bulbs and seeds of vegetables and ornamental plants.
- 27901 BAXA, J. Prussian regents and the sugar industry. (Ge) Zucker 19(8):202-204. Apr.15, 1966. 65.8 Z82
- 27911 CACERES R., H. Technical possibilities of manufacturing paper and cardboard pulp from sugarcane leaves. (Sp) Inst. Invest. Technol. Rev. 8(39):25-32. Jan./Feb.1966. 241.4 In73
- 27912 CADMUS, M. C., and others. Enzymatic production of glucose syrup from grains and its use in fermentations. Cereal Chem. 43(6):658-669. Ref. Nov.1966. 59.8 C33
L. G. Jayko, D. E. Hensley, H. Gasdorf, and K. L. Smiley, joint authors.
- 27913 CLARK, D. S., ITO, K., and HORITSU, H. Effect of manganese and other heavy metals on submerged citric acid fermentation of molasses. Biotechnol. Bioeng. 8(4):465-471. Ref. Nov.1966. 381 J822
With Aspergillus niger.

SUGAR AND SIRUPS

- 27914 DEAK, I. Situation in sugar production. (Hu) Cukoripar 19(6):212-215. Nov./Dec. 1966. 65.8 C89
German summary.
World production statistics.
- 27915 DELAVIER, H. J. Changes in volume of sugar beet slices in buffer solutions— influence of storage temperature. (Ge) Z. Zuckerindus. 16(5):262-263. May 20, 1966. 65.8 D48
English summary.
- 27916 HEISELBERG, V. Sugar regulation for the European Economic Community. (Da) Tidsskr. Landkon 8:388-397. Oct. 1966. 11 T43
- 27917 HOFMANN, M. Improving economic relations of VVB for sugar and starch industry and socialist agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 485:25-30. Oct. 24, 1966. (JPRS 33,282; TT 66-34708) 173 J663Ste
Translation from *Feldwirtschaft* 8:401-403. Aug. 1966.
Issued by CFSTI.
- 27918 KLEIMAN, B. M. Increasing production and quality of sugar and some problems of developing sugar industry in the USSR. (Rus) Sakharn. Prom. 11:7-14. Nov. 1966. 65.8 Sa2
- 27919 KOLESNIKOV, V. A. Heat resistance of sugar beet juice. (Rus) Sakharn. Prom. 11:25-28. Nov. 1966. 65.8 Sa2
- 27920 KORONITS, A. Effect of sugar content changes of sugar beet on its national economic value. (Hu) Cukoripar 19(6):221-222. (Concl.) Nov./Dec 1966. 65.8 C89
- 27921 LEBEDA, E., NESVADBA, L., and PROSKO-WETZ, W. V. Observations concerning a flue-gas fired pulp drier for sugar beet pulp. (Ge) Z. Zuckerindus. 16(5):263-266. May 20, 1966. 65.8 D48
English summary.
- 27922 MADRAZO, C. M. Some comments on the "crysts" of raw sugar. *Sugar News* 42(9):494, 496, 499-500. Sept. 1966. 65.8 Su36
- 27923 MENDOZA, ARGENTINA. COMISION PROMOTORA AZUCARERA. Culture and industrialization of sugar beets in Mendoza. (Sp) Oeste 5(15):33-38. Second Q. 1966. 287 Oe8
- 27924 NEIDL, G. A new method for preparing sugar cane. (Ge) Z. Zuckerindus. 16(6):328-331. June 20, 1966. 65.8 D48
English summary.
Includes equipment.
- 27925 PETRUNYAK, V. D., NERUBAL'SHCHUK, B. G., and ONISHCHUK, V. E. Processing sugar raw material in refining plants. (Rus) Sakharn. Prom. 11:32-36. Nov. 1966. 65.8 Sa2
- 27926 PETRUSHEVSKI, V. V. Using bentonite and bentonic clays originated from Gorbisk in starch and syrup industry. (Rus) Sakharn. Prom. 11:57-63. Nov. 1966. 65.8 Sa2
- 27927 PLUM, G. The size of firms in the sugar industry. (Ge) Z. Zuckerindus. 16(6):339-340. June 20, 1966. 65.8 D48
Statistics.
- 27928 PODVIGIN, V. G., and ELAGIN, A. M. Artificial ventilation of sugar beet storage pits in Kuban. (Rus) Sakharn. Prom. 11:46-50. Nov. 1966. 65.8 Sa2
- 27929 PREY, V., GOLLER, R., and STRESSLER, F. Spectrophotometrical studies on the browning reaction in model systems and analytical examination of browning materials isolated therefrom. (Ge) Z. Zuckerindus. 16(7):379-385. July 20, 1966. 65.8 D48
English summary.
Sugar beet juice.
- 27930 RATHJE, W., DELAVIER, H. J., and GELEN, H. Calcium carbonate precipitate—an anion exchanger. (Ge) Z. Zuckerindus. 16(7):386-392. Ref. July 20, 1966. 65.8 D48
English summary.
- 27931 SCHLIEPHAKE, D. Optimal crystallization by cooling. (Ge) Zucker 19(9):220-225. May 1, 1966. 65.8 Z82
English summary.
Processing of sucrose.
- 27932 SHEVANDIN, N. A. Kinetics of accumulation of nonsugars while processing massecuite. (Rus) Sakharn. Prom. 11:17-20. Nov. 1966. 65.8 Sa2
- 27933 SHIBUKAWA, M., and OHSAWA, T. L-glutamic acid fermentation with molasses. VI. Agr. Biol. Chem. 30(8):750-758. Aug. 1966. 385 Ag8B
- 27934 SIEWERT, P., and TODT, F. Electrochemical measurement of sulphurous acid and reducing sugar decomposing products. (Ge) Z. Zuckerindus. 16(5):255-262; (6):320-328. Ref. May 20-June 20, 1966. 65.8 D48
English summary.
In sugar beet juice.
- 27935 SKOLA, V. Perspectives regarding possibilities of processing of sugar beets for food in Czechoslovakia. (Fr) Za Sotsialist. Sel'skokhoz. Nauk. 15(3):217-235. Ref. 1966. 64.8 Z1
English summary.
- 27936 TRADE AND INDUSTRY PUBLICATIONS LTD. Special supplement on industry in West Pakistan. Trade Indus. 10(10):825-848. Oct. 1966. 286.8 T674
Sugar industry included.
- 27937 WALLENSTEIN, H. D., and KAGELMANN, G. Control of mass alteration during storage of sugar beets by way of determination of their unchangeable constituents, especially of their potassium content. (Ge) Z. Zuckerindus. 16(5):266-271. Ref. May 20, 1966. 65.8 D48
English summary.
- 27938 YAMANE, T. Plantation white sugar or plantation refined sugar. Sugar J. 29(6):21-23. Nov. 1966. 65.8 Su391
From Japan.
- 27939 ZAGRODZKI, S., and ZAORSKA, H. Simplified determination of sucrose losses in filter cake. (Ge) Z. Zuckerindus. 16(6):317-319. June 20, 1966. 65.8 D48
English summary.

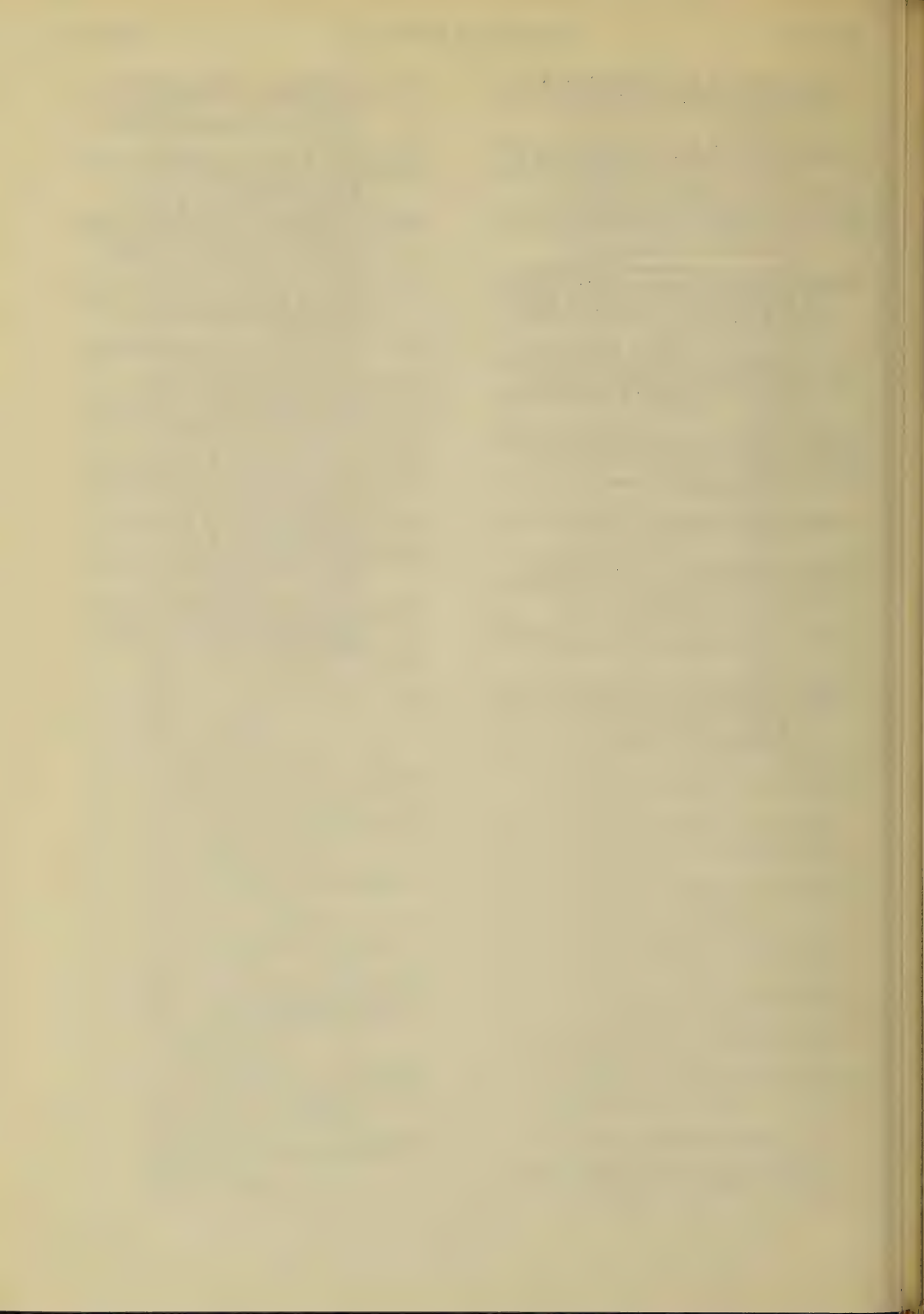
TOBACCO

- 27940 ASSAEL, H. Little leaves of yellow-gold; the history of the Oriental tobacco trade. (Ge) Tabak-Zeitung 76(11):44-45. Mar. 18, 1966. 286.89 Su2
- 27941 BORDEAUX, A. F., HOOVER, D. M., and TOUSSAINT, W. D. The lease and transfer program for flue-cured tobacco 1962-1963. N. C. State Coll. Agr. Eng. Dep. Agr. Econ. A.E. Inform. Ser. 129,46 p., map. Sept. 1966. 281.9 N816
- 27942 DOUB, A., and WOLFE, A. Tobacco in the United States; production, marketing, manufacturing, exports. U. S. D. A. Misc. Publ. 867, rev., 62 p., map. Ref., p. 60-62. Oct. 1966. 1 Ag84M
- 27943 EZEKIEL, M. Tobacco and American farmers. Amer. J. Public Health Nat. Health 56(12):33-34. Dec. 1966. 449.9 AmJ3
Effects of decreasing consumption.
- 27944 KOLESNIKOV, YU. P., TRUBNIKOV, V. F., and PATRIKEEVA, E. S. Storing tobacco after drying. (Rus) Tabak 4:54-55. 1966. 69.8 T112
- 27945 SALKHBABEV, S. SH., and UMEROV, E. N. Tobacco industry in Uzbekistan. (Rus) Tabak 4:38-40. 1966. 69.8 T112
- 27946 VYAZOV, A. A. Tobacco industry on the southern coast of Crimea. (Rus) Tabak 4:46-47. 1966. 69.8 T112
- 27947 WILLAND, G. The development of the tobacco industry in the mirror of the Tabak Zeitung. (Ge) Tabak-Zeitung 76(11):5-7. Mar. 18, 1966. 286.89 Su2

MISCELLANEOUS PRODUCTS

- 27948 ADAMS, R., LERKE, P., and FARBER, L. Resistant bacteria on antibiotic-treated fish. J. Food Sci. 31(6):982-987. Nov./Dec. 1966. 389.8 F7322

- 27949 AHMAN, C. R. Better keeping quality of cut flowers—a possibility. (No) Gartneryrket 56 (50):1121-1123, 1129-1130. Dec. 9, 1966. 80 G1938
Carnations.
- 27950 AHMAN, C. R. Cut flowers with better keeping quality—a possibility. (No) Gartneryrket 56 (47):1057-1058, 1061-1063; (48):1075-1076, 1084-1086. Ref. Nov. 18-25, 1966. 80 G1938
—Care of cut flowers.
- 27951 ANDERSON, K. A. Extend marketable life of fish. Canner/Packer 135(13):42-43. Dec. 1966. 286.83 C16
Preservation by irradiation.
- 27952 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die Pflanzenbestände in Baum-schulen in Jahr 1965 [Plant stands in nurseries in the year 1965]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 56, 11 p. Dec. 15, 1965. 265 St28
- 27953 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Ergebnisse der Obstbaumzählung 1965 [Results of the fruit tree census 1965]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 46, 6 p. Sept. 22, 1966. 256 St28
- 27954 BROOKE, R. O., and others. Preservation of fresh unfrozen fishery products by low-level radiation. V. Food Technol. 20(11):99-102. Nov. 1966. 389.8 F7398
E. M. Ravesi, D. F. Gadbois, and M. A. Steinberg, joint authors.
- 27955 CLARK, D. The flowers that say "aloha". Nat. Geogr. 131(1):121-131. Jan. 1967. 470 N213
- 27956 CONNORS, T. J., and STEINBERG, M. A. Preservation of fresh unfrozen fishery products by low-level radiation. IV. Food Technol. 20(10):117-119. Oct. 1966. 389.8 F7398
Includes storage method.
- 27957 DOMINGUEZ RODRIGUEZ, M. Economic considerations on the culture of garlic in Mendoza. (Sp) Oeste 5(14):60-64. First Q. 1966. 287 Oe8
Industry, including statistics.
- 27958 DOUMENGE, F. The social and economic effects of tuna fishing in the South Pacific. S. Pacific Comm. Tech. Pap. 149, 42 p. map. May 1966. 280.9 So823T
Includes the canning industry.
- 27959 FLACCOMIO, E. Flowers, flowers everywhere nowadays, for agricultural progress, tourism, folklore. (It) Riv. Ital. Essenze—Profumi—Piante Offic.—Aromi—Saponi—Cosmet.—Aerosol 48(9):544-545. Sept. 1966. 308.8 R52
- 27960 GOULD, E. Stability of malic enzyme in fish flesh at -3°C. J. Food Sci. 31(6):829-831. Nov./Dec. 1966. 389.8 F7322
During iced storage.
- 27961 GREENWOOD-BARTON, L. H., and COLE, R. C. Problems associated with the development of fisheries in tropical countries. IV. The preservation of the catch by more advanced processes. Trop. Sci. 8(2):71-78. 1966. 26 T756
- 27962 KASSAU, E. The reaction of some components of cinchona to microsublimation. (Ge) Deut. Apoth.-Zeitung 106(50):1833-1835. Dec. 15, 1966. 396.8 Su2
- 27963 NESPOULOUS, J. Grape propagation industry in France. (Ge) Weinberg Keller 13(4):159-170. Apr. 1966. 95.8 W435
Production of rootstocks and grafts.
- 27964 REPUBLIC OF SOUTH AFRICA. DEPT. OF AGRICULTURAL TECHNICAL SERV. Registered nurseries in nursery stock, 1965-66. Pretoria, 1965. 29 p. 225 So823
Text also in Afrikaans.
- 27965 SVAB, MRS., TYIHAK, E., and RAPOTI, J. Drying experiments with the Hungarian commercial camomile. (Hu) Herba Hung. 5(1):31-36. 1966. 71.8 H413
- 27966 SYTSEMA, W. Keeping quality of cut flowers. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:118-120. 86 Aa4
- 27967 SYTSEMA, W. Packing and storage of cut flowers. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:121. 86 Aa4
- 27968 VELEZ E, G., and ARISTIZABAL B., A. Economic study on the production of garlic in Chocontá and possibilities of its industrialization and export. (Sp) Inst. Invest Technol. Rev. 8(39):37-38. Jan./Feb. 1966. 241.4 In73



ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 27969 ABDEL-RAOUF, M., and EL NAGGAR, M. A. Studies on reproduction in camels (*Camelus dromedarius*). 2. The morphology of the camel spermatozoon. *J. Vet. Sci. United Arab Repub.* 2(1):1-11. Ref. 1965. SF604.36
- 27970 BARBU, N. Organization and future tasks in animal selection. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:48-53. Oct. 27, 1966. (JPRS 38,350; TT 66-34776) 173 J663Ste Rumania.
Translation from Revista de Zootehnie si Medicina Veterinara 9:5-8. Sept. 1966. Issued by CFSTI.
- 27971 COPENHAGEN, VETERINAER- OG LANDBOHOJSKOLE. INSTITUT FOR STERILITETS-FORSKNING. Aarsberetning [Annual report of the Sterility Research Institute of the Veterinary and Agricultural College], 1965. Copenhagen, Mortensen, 1965. 250 p. Ref. 41.9 C792A
- 27972 DASSAT, P. Fecundity, fertility, and breeding methods. (It) Turin. Accad. Agr. Ann. 107:29-55. Ref. 1964/65. 16 T63
English summary.
Review of the literature.
- 27973 ELETTI, A. More on artificial insemination. (It) Nuovo Prog. Vet. 21(20):920, 922. Oct. 31, 1966. 41.8 P942
- 27974 FORTBILDUNGSTAGUNG FUR TIERZUCHT-BEAMTE, LINZ, 1965. [Vortrage [Addresses of the training session for livestock breeding officials]]. Forderungsdienst 13(spec.no.3), 72 p. Oct. 1965. 19 F75
- 27975 GILLIE, O. J. The interpretation of complementation data. *Genet. Res.* 8(1):9-31. Ref. Aug. 1966. 443.8 G283
Livestock.
- 27976 HEALEY, P., and SADLEIR, R. M. F. S. The construction of rectal electrodes for electroejaculation. *J. Reprod. Fertil.* 11(2):299-301. Apr. 1966. 442.8 J8222
- 27977 KISS, J., and GECZY, GY. The examination of standardized sperm diluents produced in Hungary. (Hu) Magyar Allatorv. Lapja 21(11):492-493. Nov. 1966. 41.8 V644
English summary.
- 27978 LOJDA, L. Application of cytogenetical method in the study of congenital abnormalities in animals. (Cz) Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(7):467-471. Ref. July 1966. 41.9 C333
English summary.
- 27979 MURDOCH, R. N., and WHITE, I. G. The metabolism of glucose, fructose, acetate, lactate and pyruvate by ram, bull, dog and rabbit spermatozoa. *J. Reprod. Fertil.* 12(2):271-278. Ref. Oct. 1966. 442.8 J8222
- 27980 NAGY, GY., SZABO, Z., and TURANYI, J. The relationship between the modified methylene blue reducing- as well as the sodium chloride resistance test and the results of the first inseminations. (Hu) Magyar Allatorv. Lapja 21(11):494-497. Nov. 1966. 41.8 V644
English summary.
- 27981 QUINN, P. J., and WHITE, I. G. The effect of cold shock and deep-freezing on the concentration of major cations in spermatozoa. *J. Reprod. Fertil.* 12(2):263-270. Ref. Oct. 1966. 442.8 J8222
- 27982 ROSTOVTSSEV, N. F., ed. Theory and practice of livestock breeding. 204 p. (TT 65-50074) SF105.R63
Translation of Teoriya i Praktika Razvedeniya Sel'skokhozyaistvennykh Zhivotnykh. CFSTI: \$6.00.

- 27983 SCHUMMAN, H. Possibilities and limitations of measurements in production breeding. (Ge) Forderungsdienst 13(spec.no.3):46-57. Oct. 1965. 19 F75
- 27984 TESAR, J., SILER, R., and VACHA, V. Obecná zootechnika [General livestock breeding]. Praha, Státní Zemedelské Nakladatelství, 1966. 319 p. SF105.T4
- 27985 WESSELY, E. C. Quantitative genetics and linear model. (Ge) Arch. Tierzucht 9(5):361-373. Ref. 1966. 49 Ar23
English summary.

FEEDS AND FEEDING

- 27986 ABRAMOV, A. I. Obogashchenie kombikormov khimicheskimi sredstvami [Enriching mixed feed with chemical means]. Moskva, Kolos, 1966. 103 p. Ref. SF97.A2
Includes equipment.
- 27987 ARNOTT, G. W., and LIM, H. K. Animal feeding stuffs in Malaya. 1-2. Malaysian Agr. J. 45(4):370-403. Ref. July 1966. 22.5 F312
1. General review; 2. Quality of rice bran and polishing.
- 27988 BEZEAU, L. M. Problem feeds for livestock and poultry. Can. Dep. Agr. Publ. 1277, 15 p. 1966. 7 C16Pu
Toxic and contaminated feeds included.
- 27989 CHESTNUTT, D. M. B. Seasonal changes in digestibility of herbage. Northern Ireland. Rec. Agr. Res. 15(1):135-142. 1966. 10 N81R
Grasses and white clover.
- 27990 CLANTON, D. C., and KLOPFENSTEIN, T. J. Utilization of alfalfa stem carbohydrates. U. S. Agr. Res. Serv. ARS-74-36:26-32. 1965. A381 R31Ab
- 27991 CORNELL NUTRITION CONFERENCE FOR FEED MANUFACTURERS, BUFFALO, N. Y., 1966. Proceedings. Ithaca, 1966. 132 p. Ref. 389.79 C81
- 27992 CROSEY, M. G., WESWIG, P. H., and JOHN-SON, C. Making baled silage. Oreg. Agr. Exp. Sta. Spec. Rep. 226, 17 p. Nov. 1966. 100 Or3M
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 27993 DAVID, J. H. Least cost rations by computer. Doane's Agr. Rep. 29(35):18-19. Dec. 8, 1966. 281.8 D652
- 27994 DVORAK, J. Most frequent shortcomings of feed concentrates and their elimination. (Cz) Veterinarstvi 16(7):319-321. 1966. 41.8 V6439
- 27995 EGAN, D. A. Selenium in ruminant nutrition. Irish Vet. J. (n.s.) 20(10):182-186. Oct. 1966. 41.8 Ir4
Includes discussion.
- 27996 GUNTHER, K. The action of D vitamins and their importance in animal nutrition. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(6):361-383. Oct. 1966. 389.78 Z3
- 27997 HAIK, K. A contribution to the feeding of feed defoliated with reglone and defolex. (Cz) Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(6):403-410. June 1966. 41.9 C333
English summary.
Alfalfa and clover.
- 27998 HELLBERG, A. Artificial drying, an excellent hay processing method. (Sw) Var Naring 42 (11):300-301. 1965. 44.8 M692
Chiefly nutritive value.
- 27999 HELLSTROM, N. Some comments on feed and faeces relationship. Norske Videnskabs Selskabs. Skr. 1965(3), 16 p. 1966. 502 T41S
Review of the literature.
- 28000 HOIE, J. Seaweed meal—production feed or supplementary feed? (No) Norsk Landbruk 14/15:22-24. July 15, 1966. 11 N8122

- 28001 HUCHLER, H., and STEINMETZER, W. Betaine—a methyl group donor in animal nutrition. (Ge) Kraftfutter 49(7):358-360, 362, 364. Ref. July 1966. 389, 78 K85
- 28002 JACKSON, N., and ANDERSON, B. K. The conservation of fresh and wilted grass in evacuated and non-evacuated polythene containers. Northern Ireland. Rec. Agr. Res. 15(1):61-75. Ref. 1966. 10 N81R
In small-scale silos.
- 28003 JACOBSON, N. L. ADA's [American Dehydrators Association] research program. U. S. Agr. Res. Serv. ARS-74-36-32-36. 1965. A381 R31Ab
Nutritive value of dehydrated alfalfa for livestock feeding.
- 28004 JORIS, E. Ensile moist grain! (Ge) Übersicht 17(8):644. Aug. 13, 1966. 18 Ub3
- 28005 JUNG, W. The problem of biological value of whey proteins. (Ge) Kraftfutter 49(7):349-350, 352, 354-355. July 1966. 389, 78 K85
- 28006 KLAN, J. Problem of dietary analysis of the feed. (Cz) Veterinarstvi 16(10):448-450. 1966. 41.8 V6439
- 28007 KUO, L. H., and FOO, Y. K. Fibre analysis of feedstuffs—comparative studies of methods. Malaysian Agr. J. 45(2):191-199. Ref. July 1965. 22.5 F312
- 28008 LABUDA, J. The effect of the degree of withering of the planted alfalfa on the course of ensiling and on the changes in its composition. (Cz) Pol'nohospodarstvo 12(8):652-659. Ref. 1966. 19.5 P752
- 28009 LAGERVALL, M. Experiments with the feeding of dairy cattle, poultry and swine. (Sw) Lantmannen 76(25):28-31. Dec. 11, 1965. 11 L234
- 28010 MORRIS, M. L. Wheat in animal and human nutrition, challenges to research. U. S. Agr. Res. Serv. ARS-74-35:100-106. Aug. 1966. A381 R31Ab
- 28011 MULLER, Z., and others. Hydroxiderivatives of benzoic acid in livestock production in Czechoslovakia. Za Sotsialist. Sel'skokhoz. Nauk. 15(3):237-268. Ref. 1966. 64.8 Z1
J. Culik, J. Rozman, and M. Strunc, joint authors.
In fattening.
- 28012 NATZ, D. Analogue computer said to offer new concept in feed formulation. Feedstuffs 38(49):26-27, 30. Dec. 10, 1966. 286.81 F322
- 28013 NEHRING, K., SCHIEMANN, R., and HOFFMANN, L. The energy evaluation of feedstuffs expressed as net energy for fat production. (Ge) World Rev. Anim. Prod. 3:13-28. July/Sept. 1966. 49 W89
English summary.
- 28014 NESTEROV, V. Study of forage plants of Bosnia and Herzegovina as sources of feed. II. Forage plants of moist meadows and pastures of lowlands. (Se) Veterinaria [Sarajevo] 15(2):165-180. Ref. 1966. 41.8 V6494
English summary.
- 28015 NORDFELT, S. Urea in ruminant nutrition. (Sw) Var Naring 42(11):302-303. 1965. 44.8 M692
- 28016 OBRITZHAUSER, W. Feed value and feeding of silage. (Ge) Forderungsdienst 14(5):166-169. May 1966. 19 F75
- 28017 ORUD, L. Grass in silos or dried as hay? (No) Buskap Avdratt 18(2):85-87, 115-116. 1966. 49 B96
- 28018 OZAN, K. Nutrition of animals with feed containing antibiotics and the effects of food of animal origin on human health. (Tu) Turk Vet. Hekimleri Derneği. Dergisi 36(10):39-42. Ref. Oct. 1966. 41.9 T84
- 28019 PENZES, L. Recent data on biological evaluation of proteins. (Hu) Magyar Allatorv. Lapja 21(11):503-506. Nov. 1966. 41.8 V644
Review of literature.
- 28020 POPPE, S., KRISTEN, H., and KRAWIELITZ-KI, R. Feed value of pressure ammonified dry chips. (Ge) Arch. Tierernahr. 16(2/3):265-261. May 1966. 389, 78 Ar22
English summary.
Beets.
- 28021 POPPE, S., and ACKL, B. On the feed value of green rye dried with hot air. (Ge) Arch. Tierernahr. 16(2/3):229-235. May 1966. 389, 78 Ar22
English summary.
- 28022 POTTER, G. D., LITTLE, C. O., and MITCHELL, G. E. Proline as a factor in distiller's dried solubles which stimulates cellulose digestion by rumen microorganisms. J. Agr. Food Chem. 14(6):647-649. Nov./Dec. 1966. 381 J8223
- 28023 SANDEV, S., and DARDZHONOV, T. The prospects for use of synthetic amino acids in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 48:8-24. Oct. 24, 1965. (JPRS 38,282; TT 66-34708) 173 J663Ste
Bulgaria.
Translation from Selskostopanska Nauka 2: 27-38. Apr./June 1966.
Issued by CFSTI.
- 28024 SVENSSON, S. A., and PALSSON, T. Observations on ensiling processes and rumen metabolism by formol titration. Uppsala. Lantbrukshögsk. Ann. 32(3):261-283. Ref. 1966. 104 Up6
- 28025 SYVERSON, C. The role of dehydrated alfalfa in the rations of animals. U. S. Agr. Res. Serv. ARS-74-36:4-5. 1965. A381 R31Ab
Nutritive value for ruminants.
- 28026 SZEBIOTKO, K. Methods of production and stability of vitamin A concentrates in manufactured feeds and mineral supplements. (Pol) Poznan. Wyszsa Szkoła Roln. Roczn. 24:141-179. Ref. 1965. 106.2 P872
English summary.
- 28027 TILLMAN, A. D. Urea, nitrates, and vitamin A in ruminant nutrition. Amer. Vet. Med. Ass. J. 149(12):1571-1575. Ref. Dec. 15, 1966. 41.8 Am3
- 28028 VAJAGIC, S., VLAHOVIC, M., and STANKOVIC, R. Green soybean mass as the raw material in the modern processing and production of dehydrated meal. (Se) Stocarstvo 20(3/4):115-125. Mar./Apr. 1966. 43.8 S6
English summary.
- 28029 VESELY, Z. Ensiling in Cuba and subtropical regions of the Caribbean Sea. (Cz) Veterinarstvi 16(7):321-322. 1966. 41.8 V643q
- 28030 WALDRIP, W. J. Sideots grama [Bouteloua curtipendula] as an indicator of grazing intensity and a method of determining its utilization. J. Range Manage. 18(5):277-282. Sept. 1965. 60.18 J82
- 28031 WARNER, R. G., BATTACHARYA, A. N., and DAVIDSON, K. L. Observations of mechanisms affecting voluntary intake in ruminants. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966: 24-29. Ref. 389, 79 C81
- 28032 YORK, F. A. Silage as an insurance against drought. Power Farming Australia New Zealand. Better Farming Dig. 75(11):33. Nov. 1966. 58.8 P87
Preparation and storage.

VETERINARY MEDICINE

- 28033 AKESSON, M. The library of the Veterinary College [Veterinarhogskolan]; a guide for the borrower. (Sw) Svensk Veterinartidn. 18(23): 677-681. Dec. 1966. 41.9 Sv23
- 28034 AMERICAN VETERINARY MEDICAL ASSOCIATION. Scientific proceedings of the 103rd annual meeting, July 10-14, 1966, Louisville, Kentucky. Amer. Vet. Med. Ass. J. 149(12): 1484-1620. Ref. Dec. 15, 1966. 41.8 Am3

- 28035 ANCZYKOWSKI, F., and MURAT, P. Further investigations on the standardization of test-tube agglutination in the diagnosis of brucellosis. III. Standardization of the sample taken by micropipette. (Pol) Med. Veter. 22(7):418-422. Ref. July 1966. 41.8 M463
English summary.
- 28036 ANCZYKOWSKI, F. Technique of the slow tube agglutination test with milk. (Pol) Pol. Arch. Veter. 9(2):407-420. Ref. 1965. 41.8 P76
English summary.
Brucellosis diagnosis of ruminants.
- 28037 ANIMAL DISEASES RESEARCH ASSOCIATION (SCOTLAND). Annual report and accounts, 1965-1966. Edinburgh, 1966. 31 p. 41.9 An5A
- 28038 ANTELYES, J. The coming crisis in veterinary medicine—are you prepared? Amer. Vet. Med. Ass. J. 149(12):1512-1517. Ref. Dec.15,1966. 41.8 Am3
- 28039 ANTIC, A., and LUBUDOVIC, D. Actual problems of the organization and functioning of veterinary services on territory of Belgrade. (Se) Vet. Glas. 20(4):287-291. 1966. 41.8 J93
- 28040 ARLINGHAUS, R. B., POLATNICK, J., and VANDE WOUDE, G. F. Studies on foot-and-mouth disease virus ribonucleic acid synthesis. Virology 30(3):541-550. Ref. Nov.1966. 448.8 V81
- 28041 ARMISTEAD, W. W. Veterinary education: problems and prospects. Amer. Vet. Med. Ass. J. 149(11):1401-1405. Dec.1,1966. 41.8 Am3
- 28042 AUGUSTYNOWICZ, L., and others. The therapeutic suitability of debecillin of "Polfa" production in domestic animals. (Pol) Med. Veter. 22(7):389-390. July 1966. 41.8 M463
K. Grodzki, B. Jozst, Z. Markiewicz, W. Malinowski, P. Polujanski, W. Stankiewicz, and Z. Tomicki, joint authors.
English summary.
- 28043 BADURA, R., and others. Studies on the implantation ability of the splenic parenchym. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Veter. 18:143-148. 1965. 41.9 B753
M. Kuprowski, A. Modrakowski, T. Orlowski, and B. Osinski, joint authors.
English summary.
- 28044 BAIER, W., and WÄLSER, K. Papers contributed to veterinary forensic in disturbances in the udder. 2. Udder disturbances in the skin, hypodermis and milk duct system. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(22):431-434. Ref. Nov.15,1966. 41.8 B45
English summary.
- 28045 BALIS, J. Action of some chemical substances on the survival of Trypanosoma evansi in vitro. III. Fatty acids. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)19(3):351-356. 1966. 41.8 R3262
English summary.
- 28046 BARAN, M. On some questions of the agricultural economics in relation to the veterinary services. (Cz) Veterinarstvi 16(7):290-292. 1966. 41.8 V6439
- 28047 BARR, F. S., COLLINS, G. F., and HILL, G. N. A comparison of the antimicrobial activity of topical antiseptic sprays. Amer. Vet. Med. Ass. J. 149(10):1295-1296. Nov.15,1966. 41.8 Am3
- 28048 BARTIK, M., and ROSIVAL, I. Poisoning of ruminants by ammonium, ammonium salts and urea. (Cz) Veterinarstvi 16(10):446-448. 1966. 41.8 V6439
- 28049 BARTIK, M., and MICHNOVA, E. Possibilities for the utilization of enzymes in the diagnosis and treatment. (Cz) Pol'nohospodarstvo 12(8):671-676. Ref. 1966. 19.5 P752
Livestock diseases.
- 28050 BAYSU, N. Estimation of specific gravity of urine and its meaning in veterinary medicine. (Tu) Turk Vet. Hekimleri Dernegi Dergisi 36(10):55-58. Ref. Oct.1966. 41.9 T84
- 28051 BEAUPERE, M. Epizootologie des brucelloses en Afrique noire francophone. [Epidemiology of brucellosis in French speaking black Africa]. Alfort. Ecole Nat. Vet. These 44,91 p. 1966. 41.2 AL23
Bibliography, p.87-91.
- 28052 BEGHELLI, V., and PARMEGGIANI, P. L. Prof. Borgatti's contributions to the physiology of the forestomachs. Arch. Vet. Ital. 17(5):323-326. Ref. Oct.31,1966. 41.8 Ar25
Includes list of publications.
- 28053 BEGOVIC, S. Biochemical foundations of the inflammation process and its reflection on the blood picture; modern concepts of its causes and mechanism. (Se) Vet. Glas. 20(7):531-540. 1966. 41.8 J93
English summary.
Domestic animals.
- 28054 BENDIXEN, H. J., and BORGES, H. C. Aureomyces disease—a disease occurring with increasing frequency in Danish livestock herds. (Da) Danske Dyrlægefor. Medlemsbl. 49(12):502-508. June 15,1966. 41.9 D23
- 28055 BENSON, W. R. The case for the animal morbidity report. Tex. Vet. Med. J. 28(3):7. May/June 1966. 41.8 T31
In planning disease control programs.
- 28056 BERTOYE, A., and others. Actual aspects of human brucellosis. (Fr) Lyon. Soc. Sci. Vet. Bull. 67(5):369-388. Ref. 1965. 41.9 L99
J. Viallier, J. L. Bertrand, and M. Falconnet, joint authors.
Includes transmission by livestock.
Discussion p.465-474.
- 28057 BETTS, A. O. Postgraduate veterinary training—what are the needs? Vet. Rec. 79(26):841-854. Dec.24,1966. 41.8 V641
In Great Britain.
Includes discussion.
- 28058 BLAKELY, R. M. Apparent instability of I.C.I. compound No. 53928 under certain prolonged high moisture conditions. Can. J. Anim. Sci. 46(3):225-226. Dec.1966. 41.8 C163
Used for ovulation control and estrus control of livestock and poultry.
- 28059 BORKOVEC, M. Great Kabylia seen through the eyes of a veterinary expert. (Cz) Veterinarstvi 16(7):322-324. 1966. 41.8 V6439
- 28060 BOTROS, B. A. M. Propagation of foot-and-mouth disease virus on explanted buffalo's tongue epithelium. J. Vet. Sci. United Arab Repub. 2(1):63-68. 1965. SF604 J6
- 28061 BREESE, S. S., and GRAVES, J. H. Electron microscopic observation of crystalline arrays of foot-and-mouth disease virus. J. Bacteriol. 92(6):1835-1837. Dec.1966. 448.3 J82
- 28062 BRGLEZ, J. The effect of "dekaseptol" on the larvae of Strongyloides papillorum and S. ransomi. (Se) Vet. Glas. 20(7):541-544. 1966. 41.8 J93
English summary.
- 28063 BRITISH veterinary codex, 1965. London, Pharmaceutical Press, 1965. 843 p. SF915 B7
Prepared in the Department of Pharmaceutical Sciences, Pharmaceutical Society of Great Britain.
- 28064 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts. IX. Helminthiasis. Trop. Dis. Bull. 63(11):1161-1171; (12):1265-1295. Nov.-Dec.1966. 448.8 T752
Includes livestock.
- 28065 BURUANA, L. M. The importance of biochemical studies for the increase in animal production. (Rum) Rev. Zootech. Med. Vet. 16(11):29-41. Ref. Nov.1966. 49 P943
Includes breeding and feeding.
- 28066 CAMERON, C. M., and BUCHAN, L. Identification of the protective and toxic antigens of Corynebacterium pseudotuberculosis. Onderstepoort J. Vet. Res. 33(1):39-48. Ref. June 1966. 41.8 On1
Includes preparation of antisera.

- 28067 CARTER, J. D. Corneal ulceration. *Southern Vet.* 3(4):12-14. Apr. 1966. 41.8 S083
- 28068 CASE, A. A. Toxicologic problems in large animals. *Amer. Vet. Med. Ass. J.* 149(12):1714-1719, map. Dec. 15, 1966. 41.8 Am3
Chiefly by poisonous plants.
- 28069 CASTELLA BERTRAN, E. Considerations on the modern view of physiology. (Sp) *Veterinaria [Madrid]* 31(10):601-606. Oct. 1966. 41.8 V6429
- 28070 CAVALLO, G. B., and FRANCIA, L. A new antibiotic, criseocil, in veterinary practice. (It) *Veterinaria [Milano]* 14(2):165-174. Mar./Apr. 1965. 41.8 V6499
A combination of tetracycline and penicillin.
- 28071 CENA, M. Factors affecting water consumption by domestic animals. (Pol) *Med. Weter.* 22(7):425-429. July 1966. 41.8 M463
- 28072 CHALOUX, P. A. The control and eradication of John's disease. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 439-443. Ref. 1965, pub. 1966. 49.9 Un3R
Review of the literature.
- 28073 CHATRE, A., JOUANIN, R., and SOLLOGOUB, C. Resuscitation-oxygenator for emergency cases. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):193, 195, 197, 199-200. 1966. 41.9 L99
- 28074 CHIEN, L. P. Parasitic infections of man and animals; a bibliography of articles in Chinese medical periodicals 1949-64. Hong Kong, Hong Kong University Press, 1966. 119 p. Z6664.A1C5
The preparation and publication of this bibliography was supported by the Office of Naval Research under Contract Nonr (G) 00047-65.
- 28075 CHIPPERFIELD, T. A. R. The perils of the road. *Vet. Rev.* 18(2):23-26. Dec. 1966. 41.8 V6466
Accidents to veterinarians.
- 28076 CHOMIAK, M. Topography and nucleus of the mesencephalon of livestock. VI. Generalities. (Ge) *Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:69-92. Ref. 1965, pub. 1966. 512 L96Ad
- 28077 CLARK, A. A. Why I chose the Peace Corps. *Mod. Vet. Pract.* 47(14):41-45. Dec. 1966. 41.8 N812
- 28078 CLARK, D. R., and MCCRADY, J. D. Clinical use of the electrocardiogram in animals. II. Cardiac arrhythmias. *Vet. Med./Small Anim. Clin.* 61(9):861-870. Ref. Sept. 1966. 41.8 M69
- 28079 COLLET, P. On the pathology of stifle joint in animals. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(6):497-506. Ref. 1965. 41.9 L99
- 28080 COLLINS, D. R. Allergy: a review for the practitioner. III. Treatment. *Vet. Med./Small Anim. Clin.* 61(9):871-875. Ref. Sept. 1966. 41.8 M69
- 28091 CONTI, I. Observations on the sensitivity in vitro to antibiotics of some pathogenic and conditionally pathogenic bacteria. (Rum) *Rev. Zootech. Med. Vet.* 16(11):52-56. Ref. Nov. 1965. 49 P943
- 28092 COWAN, K. M. Effect of merthiolate on agar gel diffusion precipitin reactions with foot-and-mouth disease virus. *J. Immunol.* 97(5):647-653. Ref. Nov. 1966. 448.8 J8232
- 28093 DAMM, A. An appraisal of the sensitivity of pathogenic bacterial strains to antibiotics. (Pol) *Med. Weter.* 22(7):422-423. July 1966. 41.8 M463
- 28094 DIEGO, A. I. DE. Teaching about infectious diseases in veterinary medicine. (Sp) *Gac. Vet.* 27(181):341-344. Aug. 1965. 41.8 G112
- 28095 DOW, C. Prevention is better than cure. *Agr. Northern Ireland* 41(6):165-167. Oct. 1966. 256.13 Ag82M
Of diseases in livestock in Northern Ireland.
- 28096 DU PLESSIS, J. L. Detection of leptospiral antibodies by means of the indirect fluorescent antibody method. *S. Afr. Vet. Med. Ass. J.* 37(3):271-275. Ref. Sept. 1966. 41.8 S08
- 28097 DUBOUCLARD, C., and others. Culture of foot-and-mouth disease virus on live bovine tongue epithelium. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):243-253. Ref. 1966. 41.9 L99
M. Roumiantzeff, J. Fontaine, and C. Mackowiak, joint authors.
- 28098 DYK, V. The state of studies of helminths in ruminants and wildlife and perspectives for the control of their helminthiasis. (Cz) *Veterinarní* 16(11):495-496. 1966. 41.8 V6439
- 28099 DZEKOV, A. Integration of veterinary services in FR Macedonia. (Se) *Vet. Glas.* 20(4):247-248. 1966. 41.8 J93
- 28090 DZULYNSKA, J., KRAJEWSKA, K., and STARZYNSKI, W. Comparative studies on the nature of sialic acid in serum proteins of various species of animals. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(8):527-532. Ref. 1966. 512 W262
- 28091 EFREMOV, G. Blood groups of livestock and their practical application. (Se) *Veterinaria [Sarajevo]* 15(2):233-239. Ref. 1966. 41.8 V6494
English summary.
- 28092 ENGELSEN, C. DEN. Weight of livestock. (Du) *Veeteelt Zuivelber.* 9(7/8):293-301. July/Aug. 1966. 49 V51
Horses, cattle and pigs.
- 28093 ENGLISH, J. E. Field experience with Clostridium [perfringens] enterotoxemia in young animals. *Amer. Vet. Med. Ass. J.* 149(12):1565-1570. Dec. 15, 1966. 41.8 Am3
Includes discussion by E. M. Baldwin.
- 28094 ERWA, H. H. Isolation of Brucella abortus in the Sudan. *J. Trop. Med. Hyg.* 69(9):201-202. Sept. 1966. 448.8 J827
From man.
- 28095 FAUSTINI, R. The role of the veterinarian in the field of animal nutrition. (It) *Veterinaria [Milano]* 15(1):3-5. Jan./Feb. 1966. 41.8 V6499
- 28096 FIOLIC, N. Functioning and development of veterinary services. (Se) *Vet. Glas.* 20(5):319-331. 1966. 41.8 J93
- 28097 FROHNER, E. Grundriss der speziellen Pathologie und Therapie der Haustiere [Outline of special pathology and therapy of domestic animals], edited by K. Ullrich. Ed. 10, rev. and enl. Stuttgart, Enke, 1966. 335 p. SF745.F7
- 28098 GANC, P., JOVIC, M., and STERK, V. Phytocides in veterinary medicine. (Se) *Vet. Glas.* 20(6):473-475. 1966. 41.8 J93
English summary.
- 28099 GAUSSERES, B. Method of automatic sampling of liquid phase of the content of rumen. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):407-411. 1965. 442.8 An75
- 28100 GEVREY, J., and EUZEBY, J. Inhibitory strength of exotoxine of Bacillus thuringiensis berliner var. thuringiensis in opposition to pre-imago forms of digestive Strongylus; study in vitro. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(2):111-119. 1966. 41.9 L99
- 28101 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Report on the animal health services in Great Britain, 1964. London, 1966. 114 p. 41.9 G792R
Department of Agriculture and Fisheries for Scotland, cooperating.
Includes quarantine and trade activities, and accounts of the Central Veterinary Laboratory, Weybridge, the Veterinary Laboratory, Lasswade, the Veterinary Investigation Service, and the artificial insemination work at the Reading Cattle Breeding Centre.
- 28102 GRILLO TORRADO, J. M. Some mechanisms of immunity to helminths. (Sp) *Rev. Med. Vet. [Buenos Aires]* 47(4):279-282, 284-286, 288-289. Ref. July/Aug. 1966. 41.8 B86
- 28103 GROVES, T. D. D. What is different about ruminant digestive physiology? Feed Indus. Conf. Proc., 5th Annu. Conf.: 6-8. 1965. 389.79 F325

- 28104 GRUMBLES, L. C., and others. Recommended procedures for the isolation of *Salmonella* organisms from animals. U. S. Livestock Sanit. Ass. Proc., 68th Annu. Meeting:326-330. 1965, pub. 1966. 4.9 Un3F
H. Van Roekel, M. M. Galton, B. S. Pomeroy, E. M. Ellis, and W. Henderson, joint authors.
- 28105 GUIDETTI, E., and others. Quantitative evaluation of immunological reactivity of carriers of malignant tumours against foot-and-mouth disease virus RNA by the complement fixation reaction. *Nature* 212(5062):624-626. Nov.5, 1966. 472 N21
A. Serra, G. Guarini, J. Maisin, and C. Deckers, joint authors.
- 28106 GURTUNCA, S. Esters of carbamic acids. (Tu) *Türk Vet. Hekimleri Dernegi Dergisi* 36 (10):63-65. Oct. 1966. 41.9 T84
Toxicity of these insecticides to livestock.
- 28107 GURTUNCA, S. Organic phosphorus insecticides. (Tu) *Türk Vet. Hekimleri Dernegi. Dergisi* 36(10):43-47. Oct. 1966. 41.9 T84
Toxicity to livestock.
- 28109 GUSS, S. B. Role and responsibilities of extension veterinarians. *Southwest. Vet.* 20(1):43-45. Fall 1966. 41.8 So82
- 28109 HALLUM, J. V., and YOUNGNER, J. S. Quantitative aspects of inhibition of virus replication by interferon in chick embryo cell cultures. *J. Bacteriol.* 92(4):1047-1050. Oct. 1966. 446.3 J82
Includes vesicular stomatitis virus.
- 28110 HENDRICKS, S. L., and HEEREN, R. H. Exposure of man to rabies. *Amer. Vet. Med. Ass. J.* 149(12):1648-1650. Dec. 15, 1966. 41.8 Am3
- 28111 HOFMAN, J. On the main tasks of veterinary economics. (Cz) *Veterinarstvi* 16(7):289-290. 1966. 41.8 V6439
- 28112 HUTTON, N. E., and SEATON, V. A. Use of computers in veterinary public health activities. *Amer. Vet. Med. Ass. J.* 149(12):1681-1684. Dec. 15, 1966. 41.8 Am3
- 28113 INTERNATIONAL CONFERENCE FOR YOUNG EUROPEAN ANIMAL BREEDERS, 4. MARIEN-SEE TRENTHORST, 1965. *Fleisch als Nahrungsmittel. I. Probleme der Fleischherzeugung: Vorträge [Meat as food. I. Problems of meat production: Papers]. Z. Tierzucht, Zuchtungsbiol.* 82(2):101-217. Ref. May 1966. 442.8 Z35
English summary.
- 28114 IRAQ. DIRECTORATE GENERAL OF ANIMAL RESOURCES AND VETERINARY SERV. Annual report for the year 1965. Baghdad, 1966. 28 p. 41.9 Ir1A
Text also in Arabic, 32 p.
- 28115 IRVIN, A. D. Some diseases of free-living wild mammals and their possible relationship to human and domestic animal health. *Vet. Rec.* 79(25):776-785. Ref. Dec. 17, 1966. 41.8 V641
Chiefly transmission of infectious diseases to domestic animals, in Britain.
- 28116 ISTITUTO ZOOPROFILATTICI SPERIMENTALI DEL LAZIO E DELLA TOSCANA. SEZIONE DI SIENA. Inaugural ceremony, March 19, 1965. (It) *Zooprofilassi* 20(12):639-659. Dec. 1965. 41.8 Z72
English summary, p. 727.
Addresses by L. S. Guelfi, A. Granati, and L. Mariotti.
- 28117 JACOBSEN, P. Instruction in veterinary medicine for the Tropics. (Da) *Danske Dyrlægefor. Medlemsbl.* 49(14):587-590. July 15, 1966. 41.9 D23
- 28118 JAIN, N. C., and SCHALM, O. W. Influence of corticosteroids on total and differential blood leukocyte counts. *Calif. Vet.* 20(6):28-31. Nov./Dec. 1966. 41.8 C12
- 28119 JAKOVLJEVIC, D., and BEATTIE, H. E. R. Characteristics of growth of some *Vibrio* fetus strains in semi-solid nutrient agar. *Australian Vet. J.* 42(10):396. Oct. 1966. 41.8 Au72
- 28120 JARRETT, W. F. H., and others. Leukaemia and lymphosarcoma in animals and man, I-II. *Vet. Rec.* 79(23):693-708. Ref. Dec. 3, 1966. 41.8 V641
G. W. Crighton, R. G. Dalton, and R. J. Fallon, joint authors.
Includes relation between Mycoplasmas and human leukemia.
Includes discussion.
- 28121 JENNINGS, W. F. How meat inspection can assist in disease control and eradication. *Amer. Vet. Med. Ass. J.* 149(12):1708-1713. Ref. Dec. 15, 1966. 41.8 Am3
- 28122 JEZEK, Z., and others. Sanitation problems of persons professionally exposed to the animal sources of *Mycobacterium bovis*. (Cz) *Veterinarstvi* 16(11):481-487. 1966. 41.8 V6439
M. Hebelka, E. Hejdova, J. Krivanek, and A. Tesarik, joint authors.
- 28123 JIVON, P., and POPOVICI, I. Application of the concentrated monovalent saponin vaccine in the control of foot-and-mouth disease in Rumania. (Fr) *Arch. Vet.* 1(2):3-19. Ref. 1966. 41.8 Ar27
English summary.
- 28124 JOHNSTONE, I. L. An example of whole farm consultation in Australia. *New Zeal. Vet. J.* 14 (10):155-160. Oct. 1966. 41.8 N43
Veterinary medical service.
- 28125 JOUBERT, L., and others. About a new anti-biogram technique—the Dade STAT Tray in veterinary bacteriology. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(1):63-68. Ref. 1966. 41.9 L99
G. Trouyez, J. Oudar, and A. Pourcelot, joint authors.
Includes discussion.
- 28126 JOYNER, A. E., and BALDWIN, R. L. Enzymatic studies of pure cultures of rumen microorganisms. *J. Bacteriol.* 92(5):1321-1330. Ref. Nov. 1966. 448.3 J82
- 28127 JUDY, J. W., and SNODGRASS, M. M. An economic analysis of sixty veterinary practices in Indiana. *Amer. Vet. Med. Ass. J.* 149(12):1561-1564. Dec. 15, 1966. 41.8 Am3
- 28128 JURGENS-GSCHWIND, S. Watch out for diseased plants! (Ge) *Umschau* 66(13):420-421. Ref. July 1, 1966. 474 Um7
Hazards of diseased plants as feed.
- 28129 JUSZKIEWICZ, T., MIZAK, B., and PALEOLOG, A. Colorimetric method for determination of cholinesterase activity in biological material. (Pol) *Med. Weter.* 22(5):303-306. Ref. May 1966. 41.8 M463
English summary.
In blood plasma, red cells and tissues of livestock.
- 28130 KAPLAN, W. Dermatophilosis—a recently recognized disease in the United States. *Southwest. Vet.* 20(1):14-19. Ref. Fall 1966. 41.8 So82
Caused by *Dermatophilus congolensis*.
- 28131 KERI, W. R., and others. Chronic brucellosis in the practising veterinary surgeon. *Vet. Rec.* 79(21):602-608. Nov. 19, 1966. 41.8 V641
J. D. Coghan, D. J. H. Payne, and L. Robertson, joint authors.
Includes discussion.
- 28132 KLEMM, W. R., and HEMBROUGH, F. B. Expensive monitoring of cardiovascular and respiratory functions during surgery. *Amer. Vet. Med. Ass. J.* 149(10):1297-1302. Nov. 15, 1966. 41.8 Am3
- 28133 KOUBA, V. Economic problems of the mass diseases of livestock and measures for their control. (Cz) *Veterinarstvi* 16(7):294-297. 1966. 41.8 V6439
- 28134 KOUDELA, K. The significance of tumors in livestock for slaughtering. (Cz) *Veterinarstvi* 16(10):467-469. 1966. 41.8 V6439
- 28135 KUCINIC, D. Is it necessary to change "Classical" forms of associations of veterinarians and veterinary technicians? (Se) *Vet. Glas.* 20(4):249-250. 1966. 41.8 J93

- 28136 KURELEC, B., and RIJAVEC, M. Amino acid pool of the liver fluke (*Fasciola hepatica* L.). Compar. Biochem. Physiol. 19(3):525-531. Ref. Nov.1966. 444.8 C73
- 28137 LA PLATA, UNIVERSIDAD NACIONAL. FACULTAD DE CIENCIAS VETERINARIAS. Third sessions—summaries of papers. (Sp) Gac. Vet. 27(181):370-372; (182):416-417; (183):459-462; (184):507-513; (185):548-551. (Cont.) Aug.-Dec. 1965. 41.8 G112
- 28138 LEMAY, J. C., SHERWOOD, B. F., and CASTELLANOS, R. A. The Duke University School of Medicine program for the training of physicians' assistants: implications for veterinary medicine. Amer. Vet. Med. Ass. J. 149(12):1525-1527. Dec.15,1966. 41.8 Am3
- 28139 LOMBARD, C. Contribution to the study of cancers compared with the etiology of liver cancer. (Fr) Acad. Vet. France. Bull. 39(5): 183-187. Ref. May 1966. 41.9 R24
- 28140 LUBKE, H. Are the present regulations in the penal code for animal diseases satisfactory? (Ge) Berliner Münchener Tierärztl. Wochenschr. 79(22):437-439. Nov.15,1966. 41.8 B45 English summary.
- 28141 LUTYNSKI, W. Regulations for veterinary service, 1965. (Pol) Med. Weter. 22(5):306-310. May 1966. 41.8 M463
- 28142 MACKOWIAK, C., and FONTAINE, J. Situation of foot-and-mouth disease in Europe at the beginning of the year 1966. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(1):57-60, map. 1966. 41.9 L99
- 28143 MANN, P. H., and BJOTVEDT, G. More information regarding the bacteriophage typing of strains of coagulase-positive *Staphylococcus aureus* isolated from various species of domestic, wild and laboratory animals. (It) Arch. Vet. Ital. 17(5):357-360. Ref. Oct.31, 1966. 41.8 Ar25 English summary.
- 28144 MARCHAND, A. La microcoeliose [Dicrocoeliasis]. Alfort. Ecole Nat. Vet. These 42,77 p. 1966. 41.2 AL23 Bibliography, p.71-77.
- 28145 MARTIN, R. J., HANSON, L. E., and SCHNUR-RENNBERGER, P. R. Leptospirosis interspecies infections on an Illinois farm. Public Health Rep. 82(1):75-83, map. Ref. Jan.1967. 151.65 P96 In domestic and wild animals and humans.
- 28146 MARTIN MARTIN, E., and GONZALO CORDERO, J. M. Five years of clinical practice in the Veterinary Faculty of Leon. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):449-467. 1965. 41.9 Ov4 English summary.
- 28147 MARTORANA, P. On some functions of the veterinarian in relation to the pharmaceutical industry of North America. (It) Veterinaria [Milano] 15(3):168-169. May/June 1966. 41.8 V6499
- 28148 MCCULLOCH, W. F. Socioeconomic aspects of pharmacy-veterinary medical relations. Amer. Vet. Med. Ass. J. 149(12):1518-1524. Ref. Dec.15,1966. 41.8 Am3
- 28149 METTLER, N. E., and others. A study of the antigenic relations between arboviruses and Leptospira. (Sp) Rev. Med. Vet. [Buenos Aires] 47(2):123-124, 126-128, 130-134. Mar./Apr.1966. 41.8 B86 R. A. Cacchione, E. S. Caselli, and E. S. Martinez, joint authors.
- 28150 MICHIGAN VETERINARY MEDICAL ASSOCIATION. 1966-1967 membership yearbook. Holland, 1966. 44 p. 225 M585
- 28151 MIEKISZ, S. On some equations of dynamics of the blood circulation. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter. 18:7-45. Ref. 1965. 41.9 B753 English summary.
- 28152 MIKUNDA, M. Information about Algeria. (Cz) Veterinarstvi 16(10):472-476. 1966. 41.8 V6439 Includes veterinary medicine and services.
- 28153 MILLER, R. E., MILLER, N. G., and WHITE, R. A. Growth of *Leptospira pomona* and its effect on various tissue culture systems. J. Bacteriol. 92(2):502-509. Ref. Aug.1966. 448.3 J82 Includes disease in livestock.
- 28154 MITCHELL, C. A. Canada's oldest veterinary practice. Can. J. Comp. Med. Vet. Sci. 30(10): 287-289. Oct.1966. 41.8 C162
- 28155 MORAWSKI, K. Federation of Polish Medical Associations [Zrzeszenie Polskich Towarzystw Lekarskich]. (Pol) Med. Weter. 22(5):315-316. May 1966. 41.8 M463 Includes veterinary associations.
- 28156 MORICONI, A. Cholinesterases in the digestive tract of some domestic animals: their localization and quantitative variations according to species and age. Riv. Biol. 59(3):293-307. Ref. July/Sept.1966. 442.8 R52 Cattle, sheep and horses. Text also in Italian, p. 267-291.
- 28157 MOROZ, P. I. New instruments in veterinary practice. U. S. Joint Publ. Res. Serv. [Transl.] Develop. Vet. Sci. Pract. USSR, July 1, 1965: 14-24. (JPRS 30,917; TT 65-31416) 173 J663Dv Translation from Veterinariya 3:104-108. Mar.1965. Issued by CFSTI.
- 28158 MOSEMAN, A. H. International programs in animal health. Amer. Vet. Med. Ass. J. 149 (12):1528-1533. Dec.15,1966. 41.8 Am3
- 28159 NEURATH, A. R. Soluble antigens from cells infected with rabies virus. Nature 212(5064): 857. Nov.19,1966. 472 N21
- 28160 NORWAY. VETERINAERDIREKTORATET. Veterinaer [Veterinarians], 1966. Oslo, 1966. 51 p. 225 N832
- 28161 ODENING, K. Intermediate hosts of some trematodes of domestic animals. (Ge) Angew. Parasitol. 6(2):84-93. Ref. June 1965. 436.8 An4 English summary. Discussion of lists published by R. Kilias, and W. Frick, chiefly snails as host of flukes.
- 28162 OLLERENSHAW, C. B., and SMITH, L. P. An empirical approach to forecasting the incidence of nematodiriasis over England and Wales. Vet. Rec. 79(19):536-540. Ref. Nov.5,1966. 41.8 V641
- 28163 ONDRASEK, L. Epizootiological and economic experiment with a tuberculosis quarantine establishment. (Cz) Veterinarstvi 16(7):301-305. 1966. 41.8 V6439
- 28164 PAEZ, A. The control of livestock diseases by drugs in Peru. Agr. Vet. Chem. 7(2):42. Mar./Apr.1966. 382 Ag82
- 28165 PARK, A. B. Role of the veterinarian in time of national emergency. Amer. Vet. Med. Ass. J. 149(12):1704-1707, map. Dec.15,1966. 41.8 Am3
- 28166 PENNSYLVANIA VETERINARY MEDICAL ASSOCIATION. Full report on 84th annual convention. Penn. Vet. 8(4):8-18. Dec.1966. 41.8 P33 Includes abstracts of papers.
- 28167 PEREZ, J. E. Hemagglutination by bacterial phytopathogens. P. R. Univ. J. Agr. 50(4):337. Oct.1966. 8 P332J Culture of *Pseudomonas solanacearum* and *Erwinia* spp. agglutinating animal erythrocytes.
- 28168 PEFFERKORN, E. R., BURGE, B. W., and COADY, H. M. Characteristics of the photoreactivation of pseudorabies virus. J. Bacteriol. 92(4):856-861. Ref. Oct.1966. 448.3 J82
- 28169 PIGNATELLI, P., and GASPARI, G. Penicillacyclin, its properties as bacteria killer in vitro and its therapeutic application in domestic animals. (It) Veterinaria [Milano] 14(3): 231-237. Ref. May/June 1965. 41.8 V6499 English summary.

- 28170 PIPERS, F. The computer and veterinary medicine. *Speculum* 20(1):16,18-20. Fall 1966. 41.8 Sp3
- 28171 PIREZ, A., and MONTEVERDE, J. J. Inauguration of the Center of Microbiology of the Faculty of Agronomy and Veterinary Medicine of Buenos Aires [Centro de Microbiologia de la Facultad de Agronomia y Veterinaria de Buenos Aires]. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47(2):139-140,142-144,146-148,150. Mar./Apr. 1966. 41.8 B86
Its importance in livestock disease studies.
- 28172 PLATT, B. S. Congenital protein-calorie deficiency. *Roy. Soc. Med. Proc.* 59(11):1077-1079. Nov.1966. 448.9 R814
Domestic animals.
Includes discussion.
- 28173 PLUME, C. Actual means for the study of arterial pressure. (Fr) *Ann. Med. Vet.* 110(5):317-325. July 1966. 41.8 An78
- 28174 POLUJANSKI, P. Determination of benzathine [debecillin] and procaine penicillin concentration and retention time in blood, animal organs and cows' milk. (Pol) *Med. Veter.* 22(7):391-395. Ref. July 1966. 41.8 M463
English summary.
- 28175 POPLUHAR, L., and others. The occurrence and distribution of tuberculosis in domestic and wild animals. (Cz) *Pol'nohospodarstvo* 12(9):726-732. Ref. 1966. 19.5 P752
O. J. Vrtiak, J. Kacin, and Z. Jezek, joint authors.
English summary.
- 28176 PRITCHARD, W. R. International development urged for veterinarians. *Calif. Vet.* 20(6):35-38. Nov./Dec.1966. 41.8 C12
Includes public health aspects.
- 28177 RAMPLING, A. M., and EGERTON, J. R. Salmonellosis in animals and birds in Papua and New Guinea. *Papua New Guinea Agr. J.* 17(4):149-153. Dec.1965. 23 N453
Livestock and poultry.
- 28178 RED'KO, A. S. Improvement in railroad veterinary service. U. S. Joint Publ. Res. Serv. [Transl.] *Develop. Vet. Sci. Pract. USSR*, July 1,1965:10-13. (JPRS 30,917; TT 65-31416) 173 J663Dv
Care of livestock during shipment.
Translation from *Veterinariya* 3:89-91. Mar.1965.
Issued by CFSTI.
- 28179 RESPALDIZA CARDENOSA, E. Importance of inspection by food inspectors of tuberculous ducts of livestock in the control of human tuberculosis. (Sp) *Veterinaria [Madrid]* 31(10):581-599. Ref. Oct.1966. 41.8 V6429
- 28180 RICHARD, C. Les brucelloses animales au Senegal [Brucellosis of livestock in Senegal]. *Alfort. Ecole Nat. Vet.* These 43,51 p. Ref. 1966. 41.2 AL23
- 28181 ROLLE, M., and MAYR, A. Mikrobiologie und allgemeine Seuchenlehre; Lehrbuch für Tierärzte und Studierende der Tiermedizin [Microbiology and general infectious diseases; textbook for veterinarians and students of veterinary medicine]. Ed. 3, rev. Stuttgart, Enke, 1966. 806 p. QR99.R6
Bibliography, p.772-787.
- 28182 ROUMANTZEFF, M., and others. Serological tests used for the study of various types of foot-and-mouth disease virus. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(1):41-54. Ref. 1966. 41.9 L99
C. Dubouclard, J. Fontaine, H. Gilbert, joint authors.
- 28183 SANDRI, G. On the margin of the congress of Carrara. (It) *Nuovo Prog. Vet.* 21(21):956, 959-960,962. (Cont.) Nov.15,1966. 41.8 P942
Veterinary organization and services in Italy.
- 28184 SCHINDLER, W. Information on prevalence of Aujeszky's disease. U. S. Joint Publ. Res. Serv. *Transl. East Europe. Agr. Forest. Food Indus.* 45:13-13. July 1,1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
In Germany (East).
Translation from *Die Deutsche Landwirtsch.* 17(5):529-561. May 1966.
Issued by CFSTI.
- 28185 SCHMEKEL, J. A note on determination of the steam volatile fatty acids in rumen fluid. *Uppsala. Lantbrukshogsk. Ann.* 32(3):255-259. 1966. 104 Up6
- 28186 SERRANO TOME, V. Veterinary medicine and its masters. XX. Edoardo Perroncito and the Saint Gotthard tunnel. (Sp) *Veterinaria [Madrid]* 31(11):680-682. Nov.1966. 41.8 V6429
- 28187 SOBRERO, R. Symptomatic carbuncle in Somali Republic. (It) *Veterinaria [Milano]* 15(2):84-86. Mar./Apr.1966. 41.8 V6499
- 28188 SOLMAN, M. K., EL AMROUSI, S., and YOUSSEF, L. B. Studies on the normal cerebrospinal fluid of healthy camels. *Indian J. Vet. Sci. Anim. Husb.* 36(1):40-44. Ref. Mar.1966. 41.8 In22
- 28189 SOMMAIN, G. DE. Italian participation in the International Veterinary Congresses. (It) *Nuovo Prog. Vet.* 21(18):825-826,828,830. (Cont.) Sept.30,1966. 41.8 P942
This section on the first congress, held in Hamburg in 1863.
- 28190 SPANGLER, D. H. Where do we go from here? *Southern Vet.* 3(6):14-17. June 1966. 41.8 So83
Outlook in veterinary medicine.
- 28191 SPISNI, D. Metabolism of tryptophan and nicotinic acid in various species of animals. (It) *Veterinaria [Milano]* 14(3):211-229. Ref. May/June 1965. 41.8 V6499
- 28192 STALHEIM, O. H. V. Leptospirosis selection, growth, and virulence in synthetic medium. *J. Bacteriol.* 92(4):946-951. Ref. Oct.1966. 448.3 J82
Leptospira pomona.
- 28193 STANIC, M. N. The value of sedation with the modern neuroleptic combelen. (Se) *Vet. Glas.* 20(8):595-601. Ref. 1966. 41.8 J93
English summary.
Domestic animals.
- 28194 STEBBINGS, M. E., and GRAY, D. E. An annotated bibliography of surveys of the incidence of diseases of farm animals and birds in Great Britain, supplement for 1962-1965. II. *Brit. Vet. J.* 122(10):453-457. Oct.1966. 41.8 V643
Pigs, sheep and poultry.
- 28195 STEFANIAK, W. The roentgenography of shavings of bones changed by cancerous growth and fixed in polyester resin. (Pol) *Med. Weter.* 22(7):385-389. July 1966. 41.8 M463
- 28196 STENBERG, H. Observations on the occurrence of acid-fast rod-shaped bacteria in large domestic animals, poultry and game birds. (Fi) *Suomen Eläinlääkärihti* 72(9):331-335. Sept.1966. 41.8 F49
English summary.
As a cause of disease.
- 28197 STRAUCH, D. Listeriosis—a "silage disease?" (Ge) *Übersicht* 17(8):630-634. Aug.13,1966. 18 Ub3
- 28198 STREET, J. C., and others. Insecticide interactions affecting residue storage in animal tissues. *J. Agr. Food Chem.* 14(6):545-549. Ref. Nov./Dec.1966. 381 J8223
R. W. Chadwick, M. Wang, and R. L. Phillips, joint authors.
Effect of DDT on dieltrin metabolism in rats and domestic animals.
- 28199 SVOBODA, O. Some basic questions of the veterinary services economics. (Cz) *Veterinarstvi* 16(7):292-293. 1966. 41.8 V6439
- 28200 SZMID, M. The role of veterinary surgeon in the sanitary supervision of milk and milk products in Denmark. (Pol) *Med. Weter.* 22(5):275-278. May 1966. 41.8 M463
- 28201 TAKACS, J. The recovery from enrichment media of salmonellae causing "specific animal paratyphoid." *Acta Vet. [Budapest]* 16(3):341-343. 1966. 41.8 Ac63
In relation to bacteriological meat examination.
- 28202 TALBOT, R. B. Physiology of circulatory shock. *Ga. Vet.* 18(6):11-13. Nov./Dec.1966. 41.8 G29

- 28203 THORSELL, W. In vitro studies on influencing *Mirascidia* (*Fasciola hepatica* L.) development by phenolic compounds, fasciolicides and molluscicides. (Ge) Wien. Tierarztl. Monatsschr. 53(10):667-674. Ref. Oct. 1966. 41.8 T345 English summary.
- 28204 TONETTO, S. A. Feeding toxicity. (It) Veterinaria [Milano] 15(3):127-148. Ref. May/June 1966. 41.8 V6499
- 28205 TRBIC, B., and others. Our experiences in production and application of serum against leptospirosis of domestic animals. (Se) Vet. Glas. 20(6):451-457. 1966. 41.8 I93
- 28206 LI, Mijatov, B. S. Markovic, and A. Milanovic, joint authors. English summary.
- 28206 TURK, R. D. The cost of parasitic diseases. Tex. Vet. Med. J. 28(3):4,15. May/June 1966. 41.8 T31
- 28207 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State-Federal Brucellosis Eradication Program, statistical tables, fiscal year 1966. Washington, 1966. 7 p. A41.9 R314cb Cattle, goats, and swine.
- 28209 VALETTE, L., and JOUBERT, L. Comparative efficiency of antibrucell vaccines: immunophagocytosis test. (Fr) Lyon. Soc. Sci. Vet. Bull. 67(5):441-457. Ref. 1965. 41.9 L99 41.9 L99 Discussion, p.465-474.
- 28209 VAN HOUWELING, C. D., and POPE, E. P. The role and future of diagnostic services. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:554-556. 1965, pub. 1966. 49.9 Un3R At the U. S. Dept. of Agriculture, Agricultural Research Serv., National Animal Disease Laboratory (Ames, Iowa), Diagnostic Service.
- 28210 VANCE, H. N. Anatomy of ruminants. Feed Indus. Conf. Proc., 5th Annu. Conf.:1-2. 1965. 369.79 F325
- 28211 VERSTER, A., and COLLINS, M. The incidence of hydatidosis in the Republic of South Africa. Onderstepoort J. Vet. Res. 33(1):49-71, map. Ref. June 1966. 41.8 On1
- 28212 VUJKOV, V. Antigenic differences between the strains of street rabies virus isolated in Vojvodina and their evaluation in relation to the fixed virus. (Se) Veterinaria [Sarajevo] 15(2):195-201. 1966. 41.8 V6494 English summary. Excerpt from thesis.
- 28213 WAGENER, K. Kursus der veterinärmedizinischen Mikrobiologie [Course in veterinary medical microbiology]. Ed. 7, rev. and enl. Berlin, Parey, 1966. 182 p. QR49.W3 Bibliography, p.156-169.
- 28214 WATSON, R. L. Selected zoonoses, their occurrence and epidemiological significance. I. Southern Vet. 3(5):14-17. Ref. May 1966. 41.8 S03
- 28215 WATSON, R. L. Selected zoonoses their occurrence and epidemiological significance. II. Southern Vet. 3(6):10-13. June 1966. 41.8 S03
- 28216 WAWRZKIEWICZ, K., and CYGAN, Z. The use of chick embryo cell in estimating toxins bacilli of the *Clostridium* family. (Pol) Med. Weter. 22(7):411-415. Ref. July 1966. 41.8 M463 English summary.
- 28217 WEGRZYNOWIOZ, R. Pharmacologic analysis of the hormonal control of rumen blood supply in photohemotachometric studies without narcosis. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk, Weter. 18:47-71. Ref. 1965. 41.9 B753 English summary.
- 28218 WILDER, O. H. M. *Salmonella* carelessness. Nat. Inst. Anim. Agr. Proc. 16:20-24. 1966. 49.9 N219 With feed and food; includes control.
- 28219 WILKINSON, F. C. *Salmonella* infection in farm animals. West. Australia. Dep. Agr. J. (ser. 4)7(9):423-425. Sept. 1966. 23 W52J
- 28220 WINKLER, H., ZIEGLER, E., and STRIEDER, N. Studies on the proteins from chromaffin granules of ox, horse and pig. Nature [London] 211(5052):982-983. Aug. 21, 1966. 472 N21
- 28221 WROCLAW. WYZSZA SZKOŁA ROLNICZA. WYDZIAŁ WETERYNARYNY. Bibliography of the papers of scientific workers of the College of Agriculture Veterinary Department in Wroclaw for the year 1964. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk, Weter. 18:177-194. 1965. 41.9 B753
- 28222 WYOMING. LIVE STOCK AND SANITARY BOARD. Seventeenth biennial report, October 1, 1964 to October 1, 1966. Cheyenne, 1966. 19 p. 41.9 W992
- 28223 ZALUCKI, G., DEJNEKA, J., and ZIEBA, D. Analysis of cardioplethysmograph obtained by the use of fistula of the pericardial sac. (Pol) Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk, Weter. 18:91-94. Ref. 1965. 41.9 B753 English summary.
- 28224 ZONTINE, W. J. Status of continuing education. Calif. Vet. 20(6):9-10. Nov./Dec. 1966. 41.8 C12
- 28225 ZUKOVIC, M., and SIR, S. Amylase in *Fasciola hepatica* L. (Ge) Vet. Arch. 36(7/8):207-211. 1966. 41.8 V6416 English summary.

MISCELLANEOUS

- 28226 CHILY, J. C. DE. Perspectives sur l'economie de l'elevage dans les Alpes francaises [Outlook on the economy of animal raising in the French Alps]. Alfort. Ecole Nat. Vet. These 52,78 p., map. Ref. 1966. 41.2 AL23
- 28227 CONGRESO ARGENTINO DE LA PRODUCCION ANIMAL. Bases and regulation. (Sp) Rev. Med. Vet. [Buenos Aires] 47(4):333-334, 336, 338, 340-341. July/Aug. 1966. 41.8 B86 Organized by the Academia Nacional de Agronomia y Veterinaria.
- 28228 DUBLIN. AN FORAN TALUNTAIS. ANIMAL PRODUCTION DIV. Research report, 1955. Dublin, 1966? 115 p. 103 D852
- 28229 FRENCH, M. H. The Auchenidae. World Rev. Anim. Prod. 3:89-94. July/Sept. 1966. 49 W89 Llamas family.
- 28230 LAYCOCK, G. The alien animals. Garden City, New York, Natural History Press, 1966. 240 p. QL86.L3 Bibliography, p.221-231. Animals as pests; includes domestic animals.
- 28231 LEPORI, S., and MUZZETTO, P. Retinographic imprints are a safe discriminating way in the identification of the individual; first observations in sheep, cattle and dogs. (It) Veterinaria [Milano] 14(2):123-132. Ref. Mar./Apr. 1965. 41.8 V6499 English summary.
- 28232 MOSER. Forms of organizations in animal breeding in the light of newer scientific knowledge. (Ge) (Condensed.) Tierzucht 18(22):762-765. Nov. 20, 1966. 49 T445
- 28233 RODRIGUE, C. Animal technology. (Fr) Quebec Lait. Aliment. 25(11):26-28. Nov. 1966. 44.8 Q3 As an occupation; includes education.
- 28234 TAYLOR, K. E. The effect of animal husbandry practices on the wholesomeness of meat. Amer. Vet. Med. Ass. J. 149(12):1698-1703. Dec. 15, 1966. 41.8 Am3 Chiefly effects of drugs and chemicals.
- 28235 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Raising livestock on small farms. U. S. D. A. Farmers' Bull. 2224, 22 p. Ref. Dec. 1966. 1 Ag84F
- 28236 WENIGER, J. H. Carcass value and meat quality. World Rev. Anim. Prod. 3:29-45. Ref. July/Sept. 1966. 49 W89
- 28237 WILHELMSON, R. Should livestock factories be forbidden in Sweden? (Sw) Jord Skog 18(5):34-35. 1966. 58.8 M373

- 28235 ZLAMALOVA, J. Equipment and sanitation of slaughterhouses. (Cz) Veterinarstvi 16(11): 514-518. 1966. 41.8 V6439
- 28239 ZUZINE, N. The translation service of the National Zootechnical Research Center [Centre National de Recherches Zootechniques]. (Fr) Int. Ass. Agr. Libr. Doc. Quart. Bull. 11(4): 167-168. Oct. 1966. 243 In84Q
At Jouy-en-Josas, under the Documentation Services.

CATTLE

Breeds and Breeding

- 28210 ALLAIRE, F. R. Efficiency of selection practiced among dairy cows with respect to production and type appraisal traits. Diss. Abstr., Sect. B. 27(3):653B-654B. Sept. 1966. Z5055, U49D53
- 28211 ANDERSEN, H. Comparison of 30-60 days non-returns with 60-90 days non-returns and comparison of fresh and day-old semen by computing 30-60 days non-returns. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:101-120. Ref. 41.9 C792A
English summary.
Artificial insemination of cattle.
- 28212 ANDERSEN, H., and KOEFOED-JOHNSEN, H. H. The effect of caproic acid and adenosine on the motility and liveability of bull spermatozoa. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:121-131. 41.9 C792A
English summary.
- 28213 ANTHONY, W. B., and STARLING, J. G. Young fat beef bulls are profitable for slaughter. Highlights Agr. Res. [Aia. Sta.] 13(4):5. Winter 1966. 100 ALIH
- 28214 ARBEITER, K. Fertility disturbances of cattle: clinical diagnosis and possibilities for treatment. (Ge) Wien. Tierarztl. Monatsschr. 53(11):750-765. Ref. Nov. 1966. 41.8 T345
English summary.
- 28215 ASHTON, G. C., FRANCIS, J., and RITSON, J. B. Distribution of transferrin, albumin, post-albumin, amylase, and haemoglobin genotypes in Droughtmaster cattle. Australian J. Biol. Sci. 19(5):821-829. Ref. Oct. 1966. 442.8 Au72
- 28216 BARKER, J. R., and HALL, J. S. The private breeders' bull proving scheme. Brit. Cattle Breeders' Club. Dig. 22:71-79. 1966. 43.9 B775
- 28217 BARRENA GOMEZ, D., and CASTILLO CASTILLO, J. L. Sterility of breeding cows in the municipality of Puebla de Brollon (Lugo). (Sp) Oviedo, Univ. Fac. Vet. Leon. An. 11(11): 469-474. 1965. 41.9 Ov4
- 28218 BAZLER, B. Reduction of the time between two calving periods. (Hu) Magyar Mezőgazdaság 21(47):19-20. Nov. 23, 1966. 19 M27
In reference to article by J. Czako.
- 28219 BEDO, S. Reduction of the period between two calvings. (Hu) Magyar Mezőgazdaság 21(51): 17. Dec. 21, 1966. 19 M27
Contribution to the article by J. Czako.
- 28220 BELLAWS, R. A. Improving reproductive efficiency in beef cattle. Vet. Scope 11(3):2-6. 11-16. Ref. 1966. 41.8 U44
- 28221 BENNETT, J. P., and DOTT, H. M. An effect of bovine seminal plasma on the impedance change frequency of epididymal spermatozoa collected from the living bull. J. Reprod. Fertil. 12(2):327-336. Ref. Oct. 1966. 442.8 J8222
- 28222 BIELANSKI, W. Artificial insemination of cattle in Poland. (Ge) Tierzucht 18(23):815-816. Dec. 5, 1966. 49 T445
- 28223 BLOCHL, F. Incorporation of recent knowledge of population genetics in practical cattle breeding in Austria. (Ge) Forderungsdienst 13(spec. no.3):16-18. Oct. 1965. 19 F75
- 28254 BRITISH CATTLE BREEDERS' CLUB. The winter conference, Cambridge 10th-13th January, 1966. Aldershot, 1966. 144 p. (Its Digest No. 22). 43.9 B775
- 28255 BUTCHER, A. J. The Charolais: is it as good as the Milk Board thinks? Beef Sheep Farming 3(10):5-7. Dec. 1966. 43.8 B392
As beef cattle in Great Britain.
- 28256 CANADIAN HEREFORD ASSOCIATION. The Canadian Hereford herd book. Vol. 59. Ottawa, 1966. 521 p. 43.9 C164
- 28257 CARTER, W. E. Aberdeen Angus forges ahead. New Zeal. Studsmaster's Annu. Rev. 18:37-47. 1966. 49.7 N48
- 28258 CERMAK, O. The effect of the secretion of female sex organs on the metabolism of spermatozoa. (Cz) Czech. Min. Zemedel. Lesního Hospod. Ústav Vedeckotech. Inform. Vet. Med. 39(9):559-568. Sept. 1966. 41.9 C333
English summary.
Cattle.
- 28259 CERVENKOVA, I., PIVNIK, L., and HOLUB, R. On the problem of significance, distribution and treatment of mass diseases of the organs for motion of young bulls under fattening. (Cz) Veterinarstvi 16(8):373-377. 1966. 41.8 V6439
- 28260 COMBERG, V., and GRONING, M. Milk composition in Angeln cattle. (Ge) Zuchtungskunde 38(8):337-345. Ref. Oct. 1966. 49 Z8
English summary.
- 28261 COVATTA, A. Proper maintenance of the bull. (It) Avvenire Agr. 74(11):258-261. Nov. 1966. 16 Av9
- 28262 CUNNINGHAM, E. P. Artificial insemination and cattle breeding in Ireland. (Ge) Tierzucht 18(22):787-788, map. Nov. 20, 1966. 49 T445
- 28263 DUMAS, R., and LHOSTE, P. Diagnosis of age in Zebu cattle: description of the spars incisors. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.) 19(3):357-363. 1966. 41.8 R3262
English summary.
- 28264 EBENBAUER, F. Breeding value estimation of bulls and application of the results in practical breeding work. (Ge) Forderungsdienst 14(7):229-232. July 1966. 19 F75
- 28265 EINARSSON, S. Deformed calves in the artificial insemination work. (Sw) Svensk Veterinärmed. 18(24):703-706. Dec. 1966. 41.9 Sv23
- 28266 FAIRCHILD, T. P., and others. Estimating transmitting abilities of artificial insemination dairy sires. J. Dairy Sci. 49(11):1416-1425. Ref. Nov. 1966. 44.8 J622
W. J. Tyler, G. R. Barry, and E. L. Corley, joint authors.
- 28267 FÖGER, O. Experiences of the Inn- und Hausruckviertel Simmental Breeding Association [Fleckviehzuchtverband Inn- und Hausruckviertel] in the use of population genetics. (Ge) Forderungsdienst 13(spec. no.3):9-12. Oct. 1965. 19 F75
- 28268 FORNAROLI, D., and MONCIARDINI, R. Differentiated feeding in different growth periods. (Fr) Vitalis.-Zivilisationskrankheiten 10(5): 166-168. Oct. 1965. 389.8 V836
English summary.
Friesian bulls in Italy.
- 28269 GAMCIK, P. Study of the morphological changes in spermatozoa of bulls with the impaired and intact fertility. (Cz) Czech. Min. Zemedel. Lesního Hospod. Ústav Vedeckotech. Inform. Vet. Med. 39(7):431-436. Ref. July 1966. 41.9 C333
English summary.
- 28270 GEREGISTREERDE rundveefokkerij in Noord-Holland; jaarverslag [Registered cattle breeding in North-Holland: annual report], 1965. n.p., 1966? 144 p. 43.9 G31
- 28271 GLEDHILL, B. L., and others. Changes in deoxyribonucleoprotein during spermiogenesis in the bull. Exp. Cell Res. 41(3):652-665. Ref. Mar. 1966. 442.8 Ex7
M. P. Gledhill, R. Rigler, and N. R. Ringertz, joint authors.

- 28272 GRABOWSKI, K. Studies on the effect of bacterial flora on the survival of spermatozoa in the diluted semen of healthy bulls. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 18:105-123. Ref. 1965. 41.9 B753 English summary.
- 28273 GROSCLAUDE, F., and others. Additional variants of A₂I-casein and B-lactoglobulin in cattle. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(2):215-222. Ref. 1966. 442.8 An75 J. Pujolle, J. Garnier, and B. Ribadeau-Dumass, joint authors. English summary. Milk proteins of Flamande and Montbéliard.
- 28274 GUSTAFSSON, B. Luminal contents of the bovine epididymis under conditions of reduced spermatogenesis, luminal blockage and certain sperm abnormalities. Acta Vet. Scand. Sp. 17, 80 p. Ref. 1966. 41.8 Ac87
- 28275 HANSEN, K. M. Cattle judging and the hygiene of breeding bulls. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:17-36. 41.9 C792A English summary.
- 28276 HANSEN, K. M. The health of the hocks in daughters of an A.I.-bull; arthritis serosa tarsi in cattle. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:13-15. 41.9 C792A English summary.
- 28277 HANSEN, L. H. The incidence of dystocia and postparturient disorders in dairy cattle, mainly of Jersey breed, after crossbreeding with Charolais. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:37-58. Ref. 41.9 C792A English summary.
- 28278 HARTMANN, O. Methods of progeny testing in cattle breeding. (Ge) Forderungsdienst 14 (7):232-237. July 1966. 19 F75
- 28279 HERBEL, C. H., and NELSON, A. B. Activities of Hereford and Santa Gertrudis cattle on a southern New Mexico range. J. Range Manage. 19(4):173-176. July 1966. 60.18 J82
- 28280 HERSCHLER, M. S., and FECHHEIMER, N. S. Centric fusion of chromosomes in a set of bovine triplets. Cytogenetics 5(5):307-312. Ref. 1966. 442.8 C992
- 28281 HESSELHOLT, M., and MOUSTGAARD, J. Serum amylase polymorphism in cattle and its application in the parentage control. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:175-182. Ref. 41.9 C792A English summary.
- 28282 HIDROGLOU, M., and others. Comparative growth rates on Shorthorn and crossbred beef calves from birth to 1 year of age. Can. J. Anim. Sci. 46(3):217-224. Ref. Dec.1966. 41.8 C163 G. M. Carman, C. Bernard, W. A. Jordan, and L. A. Charette, joint authors.
- 28283 HOORNBEEK, F. K., and BOGART, R. Amount of selection applied and response of traits in four inbred lines of beef cattle. Oreg. Agr. Exp. Sta. Tech. Bull. 96,39 p. Ref. Aug.1966. 100 Or3S
- 28284 HRUDKA, F., HORAKOVA, A., and HORAK, J. Cytochemical studies of the endogenous reductase in spermatozoa. III. The effect of ionizing radiation on the motility endogenous reductase and succinic dehydrogenase of ejaculated spermatozoa of bulls. (Cz) Czech. Min. Zemedel. Lesního Hospodár. Ústav Vedeckotech. Inform. Vet. Med. 39(6):361-370. Ref. June 1966. 41.9 C333 English summary.
- 28285 HUTH, F. W. Problems of body type and fattening methods in cattle. (Ge) Z. Tierzucht. Zuchtungsbiol. 82(2):122-138. May 1966. 442.8 Z35 English summary.
- 28286 KACZMAREK, A. Comparison of fattening ability and of carcass yield in Black-White Lowland cattle in crossbred Black-White Lowland Aberdeen Angus. (Pol) Poznań. Wyższa Szkoła Roln. Roczn. 24:109-139. Ref. 1965. 106.2 P872 English summary.
- 28287 KARG. Fertility and feeding. (Ge) (Condensed.) Tierzucht 18(22):766-767. Nov.20, 1966. 49 T445 Cattle.
- 28288 KOEFOED-JOHNSEN, H. H. The influence of scrotal insulation on the time required for sperm formation and epididymal transit in a bull. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:133-146. Ref. 41.9 C792A English summary.
- 28289 KOEHLER, J. K. Fine structure observations in frozen-etched bovine spermatozoa. J. Ultrastruct. Res. 16(3/4):359-375. Ref. Oct.1966. 440.8 J822
- 28290 KOJIMA, Y. Electron microscopic study of the bull spermatozoon. I-VII. Jap. J. Vet. Res. 14(1/2):1-62. Ref. June 1966. 41.8 V6446
- 28291 KULIER, I. A contribution to the study of the carcass value of the crossbreeds of Busa cattle from northeastern Bosnia. (Se) Veterinaria [Sarajevo] 15(1):77-89. 1966. 41.8 V6494 English summary. Excerpt from thesis.
- 28292 LARSEN, B. Test for linkage of the genes for haemoglobin types and the loci controlling blood and transferrin types in cattle. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:183-191. Ref. 41.9 C792A English summary.
- 28293 LEGATES, J. E. Crossbreeding of cattle. World Rev. Anim. Prod. 3:69-76. Ref. July/Sept.1966. 49 W89
- 28294 Lenco, M. Fertility and development of the cattle population: results of the 1963 cattle census 2. (Fr) France. Inst. Nat. Statist. Etudes Econ. Etudes Conjuncture 21(5):125-211, map. May 1966. 280.8 F84
- 28295 LEROY, A. Selection of slaughter cattle by testing of bulls according to their inheritance characteristics. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):769-773. June 15/22,1966. 14 P215Bc
- 28296 LE ROY, H. L. Animal breeding and population genetics. (Ge) Forderungsdienst 13(specl.no.3):22-32. Oct.1965. 19 F75 Cattle.
- 28297 LINDAHL, P. E. Sperm agglutinating and anti-agglutinating factors in normal follicular fluid from cattle. Int. J. Fertil. 11(3):297-305. Ref. July/Sept.1966. 442.8 In83
- 28298 MADSEN, H. B. Artificial insemination, 1965. (No) Buskáp Avdræt 18(2):110. 1966. 49 B96 Cattle.
- 28299 MAKSIMOVIC, D., and others. Fattening of calves of the Black Pied Lowland cattle breed on mountain pastures and supplemental feeding under systems of free and restricted housing. (Se) Veterinaria [Sarajevo] 15(2):153-164. Ref. 1966. 41.8 V6494 B. Bajcetic, R. Handzic, and M. Perovic, joint authors. English summary.
- 28300 MASON, I. L. Hybrid vigour in beef cattle. Anim. Breeding Abs. 34(4):453-473. Dec.1966. 241 In72Ra Review of the literature.
- 28301 MEDING, J. H., and RASBECH, N. O. Deep freezing of bull semen in concentrated pellet-form. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:69-78. Ref. 41.9 C792A English summary.

- 28302 MEDING, J. H. The effect of chorionic gonadotropin on the fertility of bull semen. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:79-83. 41.9 C792A English summary.
- 28303 MESZAROS, I. Discussion to the article "Reducing the period between two calvings." (Hu) Magyar Mezőgazdaság 21(50):15-16. Dec. 14, 1966. 19 M27
By J. Czako.
- 28304 METZ, R. Thoughts on the breeding goal in cattle breeding in view of the marketing situation of cattle products. (Ge) Tierzucht 18 (23):805-806. Dec. 5, 1966. 49 T445
Aspects of dual-purpose cattle breeding.
- 28305 MONTEMURRO, O., CIANCI, D., and BUFANO, G. Age at first calving and culling age of Brown Alpine cattle raised in Puglia. (It) Bari. Univ. Fac. Agr. Ann. 19:233-267. Ref., p.264-267. 1965, pub. 1966. 105.4 B232
English summary.
- 28306 MONTEMURRO, O., and CIANCI, D. Age at first calving and culling age of Italian Friesian cattle raised in Puglia. (It) Bari. Univ. Fac. Agr. Ann. 19:211-231. Ref., p.229-231. 1965, pub. 1966. 105.4 B232
English summary.
- 28307 MOSER. Incorporation of recent knowledge of population genetics in practical cattle breeding in Baden-Württemberg. (Ge) Forderungsdienst 13(spec.no.3):19-21. Oct. 1965. 19 F75
- 28308 MUSIAL, B. Wartosc szwedzkiej buhajow rasy nizinniej czarno-bialej uzytkowanych w obracach Z. D. Koluda Wielka, Melno PRG Dziarnowo w swietle obecnych wymogow bydogoskiego rejonu hodowlanego [Value of Swedish Black and White Lowland bulls used in herds of the Experimental Stations at Koluda Wielka, Melno and of the State Farm at Dziarnowo in the light of present requirements of the breeding region of Bydgoszcz]. Krakow. Inst. Zootech. Wydawnictwa Wlasne 177,36 p. Ref. 1965. 49.9 K85W
English summary.
- 28309 NAIK, S. N., and SANGHVI, L. D. Haemoglobin Khillari—a new variant in Indian cattle. Indian Vet. J. 43(9):789-792. Sept. 1966. 41.8 In2
- 28310 NOVAK, J. The effect of different structure of feed rations on the production of semen of bulls for breeding and on their fertility. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(10):747-758. Ref. Oct. 1966. 49.9 C33
English summary.
- 28311 NOVAK, M. The effect of the L-lysine and DL-methionine in feed rations on the quantity and quality of semen of bulls of the Czechoslovak Red Spotted and Red Danish cattle breeds. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(10):775-786. Ref. Oct. 1966. 49.9 C33
English summary.
- 28312 NOWAK, T. Feeding and carcass quality of young oxen of the Red Polish breed. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:11-14. 1965. 49.9 W26
English summary.
- 28313 OLSSON, B. Practical development and experiences in cattle breeding in Sweden. (Ge) Forderungsdienst 13(spec.no.3):4-9. Oct. 1965. 19 F75
- 28314 PAPP, S., and CSOMOS, Z. Contribution to the article "The period between two calvings and milk-meat production." (Hu) Magyar Mezőgazdaság 21(49):17-18. Dec. 7, 1966. 19 M27
By J. Czako.
- 28315 PARESCHI, C. New prospects of artificial insemination of cattle. (It) Agr. Ferrarese 70(5):89-93. May 31, 1966. 16 Ag87
- 28316 PATEL, B. M., MEMON, G. N., and MISTRY, V. V. Inorganic phosphorus, calcium and magnesium levels in the serum of Gir cattle. Indian Vet. J. 43(9):795-800. Ref. Sept. 1966. 41.8 In2
- 28317 PETERS, H. F., and SLEN, S. B. Range calf production of cattle, bison, cattalo, and Hereford cows. Can. J. Anim. Sci. 43(3):157-164. Ref. Sept. 1966. 41.8 B872
- 28318 PIRCHNER, F. Breeding problems in meat production. (Ge) Z. Tierzucht. Zuchtungsbiol. 82(2):139-153. Ref. May 1966. 442.8 Z35
English summary.
Cattle and swine.
- 28319 PORTE FERNANDEZ, E. Produccion y remanimiento de carne de novillos Hereford y Holandes [Production and meat yields of Hereford and Friesian steers]. Chile. Estac. Exp. Agron. Bol. Tec. 20,23 p. May 1965. 102.5 C436
English summary.
- 28320 PRATER, T. E., and MADDOX, L. A. Pay more for a good beef herd bull. Tex. Livestock J. 25(12):5. Dec. 15, 1966. 49 T29
- 28321 RAO, A. R., RAO, P. N., and RAJULU, P. S. Testicular hypoplasia in a cross-bred bull. Indian Vet. J. 43(9):778-781. Sept. 1966. 41.8 In2
- 28322 RAO, C. K. Studies on reproduction in Malvi cattle. II. Age at first calving, calving interval and post-partum to conception interval. Indian Vet. J. 43(9):805-811. Ref. Sept. 1966. 41.8 In2
- 28323 RITTMANNSPERGER, F. Estimate of phenotypic and genetical parameters of fattening properties in young bulls of Austrian Simmental and Brown cattle. (Ge) Zuchungskunde 38(8):346-353. Ref. Oct. 1966. 49 Z8
English summary.
- 28324 ROMER, J., STOLZMAN, M., and CZARKOWSKI, S. Wyniki oceny buhajow na podstawie uzytkowosci potomstwa [Results of progeny testing of dairy bulls]. Krakow. Inst. Zootech. Wydawnictwa Wlasne 189,78 p. 1965. 49.9 K85W
English summary.
- 28325 ROPER, N. R. Friesians meet present-day demands. New Zeal. Studmasters' Annu. Rev. 18:49-60. 1966. 49.7 N48
Includes milk production.
- 28326 ROUSSEL, J. D., and STALLCUP, O. T. Relationships between lactic dehydrogenase activity of blood serum and semen characteristics in the bovine bull. Int. J. Fertil. 11(3):322-327. Ref. July/Aug. 1966. 442.8 In83
- 28327 SAKALA, J. The intensity of reproduction processes in breeding bulls and cows in relation to the genetic basis of milk production of their progenitors. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(7):445-454. July 1966. 41.9 C333
English summary.
- 28328 SAXEGAARD, F. Problems connected with the diagnosis of subclinical infection with infectious pustular vulvovaginitis virus (IPV virus) in bulls. Nord. Veterinaarmed. 18(10):452-459. Ref. Oct. 1966. 41.8 N813
- 28329 SCHMITT, G. Estimation of genetic value and its incorporation in cattle breeding. (Ge) Forderungsdienst 13(spec.no.3):13-15. Oct. 1965. 19 F75
Austria.
- 28330 SEKULOVIC, P. Artificial insemination of cattle in the plains of the Titograd district. (Se) Vet. Glas. 20(6):477-480. 1966. 41.8 J93
- 28331 SINGH, D., BHALLA, R. C., and SONI, B. K. Studies on reproduction in Murrah buffalo-cows. I. Process of parturition. Indian Vet. J. 43(9):812-819. Sept. 1966. 41.8 In2
- 28332 SINGH, R. P. A study of breeding season in buffaloes maintained at military farms. Indian Vet. J. 43(9):820-824. Sept. 1966. 41.8 In2
- 28333 SIRE selection and evaluation; panel discussion. Nat. Ass. Anim. Breeders. Proc., 18th Annu. Conv., 117-142. 1965. 43.9 N212
Moderator: R. F. Davis; panel members: N. D. Bayley, W. Carter, J. E. Legates, and A. E. Freeman.
Bulls.

- 28334 SMITH, J. Development of A.I. services for smallholders' (settlers') cattle in Kenya. Bull. Epizoot. Dis. Afr. 14(3):311-316. Sept. 1966. 41.8 B672
- 28335 SOVRANI, A. Tests on artificial insemination with progeny test material supplied. (It) Mercaanzia 21(11):741-744. Nov. 1966. 287 B635 Cattle.
- 28336 SPALDING, R. W. Controlled breeding is possible through the process of estrus synchronization. Hoard's Dairyman 112(1):15. Jan. 10, 1967. 44.8 H65
- 28337 SRINIVAS, N., and HAWKINS, G. E. Paternal half-sisters vary widely in production among State dairy herds. Highlights Agr. Res. [Ala. Sta.] 13(4):12. Winter 1966. 100 AL1H
- 28338 STUJDZINSKI, T., and others. Types of haematological indices in cows of the Simmental breed. (Pol) Lublin Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD, 20:37-43. Ref. 1965, pub. 1966. 512 L96Ad
M. Wislinski, E. Madej, and J. Romanski, joint authors.
English summary.
- 28339 SUSSEX CATTLE SOCIETY. The Sussex herd book. Volume 81. 1966. Tunbridge Wells, Kent, 1966. 178 p. 43.9 Su8
- 28340 SVERIGES JERSEYFORENING. Riksstambok over Svensk Jerseyboskap [National herdbook for Swedish Jersey cattle]. Volume 3. Kalmars, 1965. 312 p. 43.9 Sv2
- 28341 SWAIM, J. R., RAMSEY, C. B., and MCLAREN, J. B. Somascope estimates of fatness and muscling of bulls at Ames Plantation. Tenn. Farm Home Sci. Progr. Rep. 58:17-20. Apr./June 1966. 100 T25F
- 28342 SYRSTAD, O. Breeding progress of NRF. (No) Buskap Avdratt 18(2):105,107. 1966. 49 B96
- 28343 THYMAN, M., and LARSEN, B. Milk protein polymorphism in Danish cattle. (Da) Copenhagen. Vet.-Landbohojssk. Inst. Serilitetsforsk. Aarsberet, 1965:225-250. Ref. 41.9 C792A
English summary.
- 28344 TOEPLITZ, A. Relationship between milk yield and fertility of cows of the Lowland Black and White breed in Poland. (Pol) Warszawa, Szkoła Główna Gosp. Wiejskiego. Zootech. 4:5-9. 1965. 49.9 W26
English summary.
- 28345 TRAUTMAN, J. Simmental cattle breeding in people's democracies. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:7-12. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663 Ste
Translation from Przegląd Hodowlany 35(19): 18-19. Oct. 1-15, 1966.
Issued by CFSTI.
- 28346 TUREK, F. Udder judging. (Ge) Forderungsdienst 13(spec.no.3):58-69. Oct. 1965. 19 F75
With reference to breeding for udder conformation facilitating use of milking machines.
- 28347 URBAN, F. Sexual activity of bulls for reproduction and its relation to the semen production and fertility. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(10):759-774. Ref. Oct. 1966. 49.9 C33
English summary.
- 28348 VAN RENSBERG, S. W. J., and DE VOS, W. H. The influence of excess fluorine intake in the drinking water on reproductive efficiency in bovines. Onderstepoort J. Vet. Res. 33(1):185-194. Ref. June 1966. 41.8 On1
- 28349 VAN RENSBERG, S. W. J., VAN RENSBERG, S. J., and DE VOS, W. H. The significance of the cytoplasmic droplet in the disintegration of semen in Guernsey bulls. Onderstepoort J. Vet. Res. 33(1):169-183. June 1966. 41.8 On1
- 28350 VOGT, F. Artificial insemination in Bavaria. (Ge) Grune 94(31):1113-1117. Aug. 5, 1966. 17 Sch9
Cattle.
- 28351 WARWICK, E. J. Crossbreeding. Ark. Cattle Bus. 3(1):7,26-30. Jan. 1967. 43.8 Ar43
- 28352 WEAVER, A. D. Nephrectomy and cystotomy in a bull: post-mortem findings. Vet. Rec. 79 (23):670. Dec. 3, 1966. 41.8 V641
- 28353 WELSH BLACK CATTLE SOCIETY. Welsh Black cattle herd book. Volume 54. Caernarvon, 1965. 350 p. 43.9 W46
- 28354 WENGER, H. The Simmental Spotted. (Ge) Grune 94(31):1099-1111. Aug. 5, 1966. 17 Sch9
- 28355 WILLIAMS, R. Fertility problems. Ark. Cattle Bus. 2(12):8-9,16-17. Dec. 1966. 43.8 Ar43
- 28356 WILSON, J. G. Bovine functional infertility in Devon and Cornwall: response to manganese therapy. Vet. Rec. 79(20):562-566. Ref. Nov. 12, 1966. 41.8 V641
- 28357 WITHERSPOON, D. M., and WALKER, D. F. New way to diagnose trichomoniasis in bulls. Mod. Vet. Pract. 47(14):50-53. Dec. 1966. 41.8 N812
- 28358 WITT, M. Cattle and swine as meat producers. (Ge) Z. Tierzucht. Zuchtungsbiol. 82(2):103-121. Ref. May 1966. 442.8 Z35
English summary.
Genetically determined.
- 28359 WYROBISZ, E. Digestibility of feed with calves of Lowland Black-White breed at the age from birth to 7 months. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:15-19. 1965. 49.9 W26
English summary.

Feeds and Feeding

- ADAMS, R. S. Meeting the herd's mineral and vitamin needs. Dairy Herd Manage. 2(5): 16-17. June 1966. SF191.D3
- 28361 ALLEN, M., and others. Can ryegrass replace small grains for fall and winter grazing? La. Agr. 10(1):8-9. Fall 1966. 100 L939
H. D. Ellzey, E. B. Morgan, and B. D. Nelson, joint authors.
For dairy cattle.
- 28362 ALLISON, J. R., AMICK, R. J., and CUMMINS, D. G. A decision model for finishing calves on annual winter grazing. J. Farm Econ. 48(5): 1564-1569. Dec. 1966. 280.8 J822
- 28363 ALMGARDEN, N. Hay quality and feeding. (Sw) Vastmanlands Lans Hushallningssallsk. Tidskr. 4:12-13. 1965. 11 V44T
Cattle.
- 28364 ANDERSEN, E. Fattening of skim milk calves. (Da) BP Olie-Kompagniet Nyhedstjeneste 53: 7-10. Nov. 1966. 281.9 B44
- 28365 ANKE, M. The macro and micro element content of cattle hair as indicator of the calcium, magnesium, phosphorus, potassium, sodium, iron, zinc, manganese, copper, molybdenum, and cobalt supply. 4. The mineral content of the hair and various organs in normally nourished and iron, copper, and manganese deficient calves. (Ge) Arch. Tierernahr. 16 (2/3):199-213. Ref. May 1966. 389.78 Ar22
English summary.
- 28366 BAGLIONI, T., and others. Latest observations on the effect of feeding cattle with rape. (It) Arch. Vet. Ital. 17(5):343-356. Ref. Oct. 31, 1966. 41.8 Ar25
A. Locatelli, L. Longo, and F. Rodenghi, joint authors.
English summary.
Especially changes in the blood.
- 28367 BAKER, L. A. Knowing our bovine "factory." IX. Vet. Econ. 7(6):54-57. June 1966. 41.8 V6458
Role of nutrition in the prevention of milk fever and ketosis, in dairy cattle.
- 28368 BAXTER, H. D., OWEN, J. R., and WALDO, D. R. Effect of laceration of chopped forage on preservation and feeding value of alfalfa-orchardgrass silage. J. Dairy Sci. 49(11):1441-1445. Ref. Nov. 1966. 44.8 J822
For cattle.
- 28369 BEMBRIDGE, T. J. A phosphorus trial with beef cattle. Rhodesia Agr. J. 63(5):109-113. Sept./Oct. 1966. 24 R34

- 28370 BIRKMANN, K. H. Untersuchungen zur Mast schwerer Kalber in ernährungsphysiologischer und wirtschaftlicher Sicht [Research on the fattening of heavy calves from the viewpoint of nutritional physiology and economics]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 6, 136 p. 1965. 105.8 B644
Bibliography, p.129-136.
- 28371 BODEN, S. M. Some factors that affect the composition of milk. *Dairy Top.* 11(3):3-6. May/June 1966. 44.8 D1444
Chiefly feeding.
- 28372 BOSTICCO, A. Problems of nutrition of the newborn calf. (It.) *Nuovo Prog. Vet.* 21(20): 940-942. Oct.31, 1966. 41.8 P942
- 28373 BROWNING, C. B., and LUSK, J. W. Comparison of feeding value of corn and grain sorghum silages on the basis of milk production and digestibility. *J. Dairy Sci.* 49(12):1511-1514. Ref. Dec.1966. 44.8 J822
- 28374 CHESTNUTT, D. M. B. A comparison of the effect of high levels of nitrogen and no nitrogen on the output of pasture measured in terms of milk production. *Northern Ireland. Rec. Agr. Res.* 14(1):135-146. Ref. 1965. 10 N81R
- 28375 COOK, C. W. Factors affecting utilization of mountain slopes by cattle. *J. Range Manage.* 19(4):200-204. July 1966. 60.18 J82
- 28376 COPPOCK, C. E., and TYRRELL, H. F. Comparison of recent feeding recommendations for lactating cows. *Cornell Nutr. Conf. Feed Manufacturers, Proc.* 1966:86-96. Ref. 389.79 C81
Includes formulas.
- 28377 CULVAHOUSE, E. W., and MILES, J. T. Grain sorghum vs millet as green chop for dairy cattle. *Tenn. Farm Home Sci. Progr. Rep.* 59:18-20. July/Sept. 1966. 100 T25F
- 28378 DAHMEN, J. J. Research on feeding wheat to cattle. *U. S. Agr. Res. Serv. ARS-74:35:94-99.* Aug. 1966. A381 R31Ab
-Idaho.
- 28379 DAVIS, C. L., and SACHAN, D. S. Effect of feeding a milk fat depressing ration on fatty acid composition of blood lipids. *J. Dairy Sci.* 49(12):1567-1569. Dec. 1966. 44.8 J822
- 28380 DEMARQUILLY, C. Feeding value of herbage from temporary pastures at the grazing stage. II. Intake of herbage by dairy cows. (Fr.) *Ann. Zootech.* 15(2):147-169. Ref. 1966. 49 F84
English summary.
- 28381 DIMICK, P. S., WALKER, N. J., and KINSELLA, J. E. Aliphatic di-lactones: determination in bovine milk from animals on normal and fat-depressing diets. *Cereal Sci. Today* 11(11):479-480, 502. Ref. Nov. 1966. 59.8 C333
- 28382 DINUSSON, W. E. Should you feed or implant stilbestrol? *Feedlot* 9(1):15-17. Ref. Jan. 1967. 43.8 F32
-Beef cattle.
- 28383 EKERN, A., and SAUE, O. Check list for the feeding of dairy cattle on pasture. (No) *Buskap Avdratt* 18(2):100-102. 1966. 49 B96
- 28384 ELAM, C. J. Energy utilization by growing calves. *Feedlot* 9(1):36, 38, 40, 56. Jan. 1967. 43.8 F32
- 28385 ELLIOT, J. M. Vitamin B₁₂ and propionate metabolism in the dairy cow. *Cornell Nutr. Conf. Feed Manufacturers, Proc.* 1966:73-76. Ref. 389.79 C81
- 28386 FINCHAM, J. E. Notes on the nutritional value of Rhodesian molasses. *Rhodesia Agr. J.* 63 (5):106. Sept./Oct. 1966. 24 R34
For cattle feed.
- 28387 FORBES, T. J., RAVEN, A. M., and ROBINSON, K. L. Studies of a concentrate/hay system, a high-barley concentrate system and a liquid-fed high-fat concentrate/hay system of beef production. 1-3. *Northern Ireland. Rec. Agr. Res.* 14(1):83-123. Ref. 1965. 10 N81R
1. Growth and feed conversion; 2. Digestibility of feed constituents and retention of nitrogen at four stages of growth; 3. Carcase evaluation; Friesian breed.
- 28388 FRYCKLUND, G. Fences for pastures for dairy cattle. (Sw) *Malmöhus Lans Hushallningssällsk. Kvartalskr.* 1:123-128. 1966. 11 M29
- 28389 GACEK, K. Wplyw stosunku paszy (treciwe) do objętościowej w dawce pokarmowej krow na wydajność i skład chemiczny mleka [Effect of concentrate and roughage relation in the feed ration on yield and chemical composition of milk]. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 197, 41 p. Ref. 1966. 49.9 K85W
English summary.
- 28390 GHOSHAN, K. Z., KNOX, K. L., and WARD, G. M. Concentrations of volatile fatty acids and lactic acid in the rumen as influenced by diet and post-feeding time. *J. Dairy Sci.* 49 (12):1515-1518. Ref. Dec. 1966. 44.8 J822
- 28391 GRIEVE, C. M. Nursing calf nutrition and physiology. *Feed Indus. Conf. Proc., 5th Annu. Conf.* :12-13. 1965. 389.79 F325
- 28392 HANDZIC, R., and others. The fattening of calves of the Black Pied Lowland cattle breed with concentrates supplemented with morea with and without ethanol. (Se) *Veterinaria [Sarajevo]* 15(1):43-50. Ref. 1966. 41.8 V6494
D. Maksimovic, D. Popovic, and N. Skrba, joint authors.
English summary.
- 28393 HARRIS, R. R., YATES, H. F., and BARRETT, J. E. Feedlot steer fattening in Gulf Coast area. *Highlights Agr. Res. [Ala. Sta.]* 13(4): 10. Winter 1966. 100 ALIH
- 28394 HARTLEY, J. H. Fence-line feeding cuts cost. *Doane's Agr. Rep.* 29(35):8-10. Dec. 8, 1966. 281.8 D652
Beef cattle, on feedlot.
- 28395 HAYCOCK, R. E. Feeding straw to dairy cows. *Agr. Northern Ireland* 41(6):185-186. Oct. 1966. 256.13 Ag82M
- 28396 HELLBERG, A. Feeding with hay in the form of pellets or hay wafers. (Sw) *Var Naring* 42 (12):332-333. Dec. 1965. 44.8 M692
Cattle.
- 28397 KERR, J. A. M., and BROWN, W. O. The effect of feeding heavily wilted silage to dairy cows on their dry matter intake and on the yield and composition of milk. *Northern Ireland. Rec. Agr. Res.* 15(1):27-34. Ref. 1966. 10 N81R
- 28398 KERR, J. A. M. Observations on the chemical composition, nutrient losses and feeding value of silage made in a polythene film and compressed under vacuum. *Northern Ireland. Rec. Agr. Res.* 15(1):55-60. Ref. 1966. 10 N81R
For cattle feeding.
- 28399 KIISKINEN, T. Views on the feeding of veal calves. (Sw) *Tidskr. Lantman Andersfolk* 11/12:286-288. June 1965. 20 T43
Finland.
- 28400 KNESEL, K. Synthetics in the nutrition of cattle. (Cz) *Veterinarstvi* 16(11):505-507. 1966. 41.8 V6439
Feed concentrates and urea.
- 28401 KYLE, L. R. Cattle feeding today: what it costs, how it pays. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 49, 13 p. map. 1966. 281.9 M5842
Beef cattle.
- 28402 LACOS, F. Feedlot fattening and its applications in Argentina. (Sp) *Soc. Rural Argent. An.* 100(8):57-58, 61-62. Aug. 1966. 9 S61
Beef cattle.
- 28403 LAHTELA, C. Feeding of slaughter cattle. (Sw) *Tidskr. Lantman Andersfolk* 13/14:324-325. July 1965. 20 T43
Finland.
- 28404 LAMB, R. C., MICKELSEN, C. H., and PERKES, L. L. Reproductive performance of dairy cows on an all forage ration. *Utah Farm Home Sci.* 27(2):66-68. June 1966. 100 U1F
- 28405 LARPE, E. Raising spring calves to pasture calves. (Sw) *Tidskr. Lantman Andersfolk* 11/12:282-284. June 1965. 20 T43
Feeding and meat production in Finland.
- 28406 LARSEN, J. B. Fattening of young bulls. (Da) *BP Olle-Kompagniet Nyhedsstjeneste* 53:11-12. Nov. 1966. 281.9 B44
As beef animals.

- 28407 LENKEIT, W., and others. The mineral intake of dairy cows in midsummer. (Ge) *Zuchtskunde* 38(8):354-361. Oct.1966. 49 Z8
J. Bertzbach, E. Pfeffer, H. Klopp, joint authors.
English summary.
- 28408 LIGUORI, A. The feeding of baby beef. (It) *G. Agr.* 76(46):495. Nov.13,1966. 16 It1G
- 28409 MAKARECHIAN, M., and HOWELL, W. E. Relationship between transferring type and feedlot performance in beef heifers. *Can. J. Anim. Sci.* 46(3):177-180. Ref. Dec.1966. 41.8 C163
- 28410 MANSTON, R. The effects of large doses of vitamin A on calcium and phosphorus metabolism in the cow. *Brit. Vet. J.* 122(10):443-449. Ref. Oct.1966. 41.8 V643
- 28411 MARTIN, R. J., and WING, J. M. Effects of various levels of cane molasses on dairy cattle. *Feedstuffs* 38(48):54-55. Dec.3,1966. 266.81 F322
- 28412 MATHERNE, N. J., RUSOFF, L. L., and FARTHING, B. R. Feed for maximum milk production and income over feed cost. La. State Univ. Ext. Publ. 1453, 6 p.-folder. Mar.1966. 275.29 L93Ep
- 28413 MCCAFFREE, J. D., and MERRILL, W. G. The feeding value of high moisture corn for dairy cows. *Cornell Nutr. Conf. Feed Manufacturers. Proc.* 1966:77-85. Ref. 389.79 C81
- 28414 MCCULLOUTH, T. A., and CHESTNUTT, D. M. B. The performance of Friesian and Shorthorn steers given concentrate diets with or without hay. *Northern Ireland Rec. Agr. Res.* 14(2):9-14. 1965. 10 N81R
- 28415 MCELROY, L. W. Pregnant cow nutrition. *Feed Indus. Conf. Proc., 5th Annu. Conf.*:9-11. 1965. 389.79 F325
- 28416 METCALFE, C. B. A drought year. Rhodesia *Agr. J.* 63(2):31-32. Mar./Apr.1966. 24 R34
Effects on beef cattle.
- 28417 MODERN VETERINARY PRACTICE. Trends in nutrition: feeding for milk production. *Mod. Vet. Pract.* 47(14):72-74. Dec.1966. 41.8 N812
- 28418 MOMMER, R. Mineral and vitamin nutrition of dairy cattle. (Fr) *Agr. Romande (ser.B)*5(10):53-56. Oct.1966. 17 Ag8
- 28419 MORRISON, S. H. 1966-67 ingredient analysis and estimated feed value tables for beef, sheep rations. *Feedstuffs* 38(51):48-55. Dec.24, 1966. 286.81 F322
- 28420 MUEGLER, W. F. Cattle distribution on steep slopes. *J. Range Manage.* 18(5):255-257. Sept.1965. 60.18 J82
- 28421 NEIMANN-SORENSEN, A. Meat production of the future: objectives and means. (Da) *BP Olie-Kompagniet Nyhedstjeneste* 53:3-6. Nov. 1966. 281.9 B44
Chiefly feeding of young bulls and veal calves.
- 28422 NICHOLS, R. E., and others. Founder and bloat: are they anomalies of ruminal enzymic adaptations? *Vet. Med./Small Anim. Clin.* 61(9):892-893. Sept.1966. 41.8 M69
D. C. Deese, K. E. Penn, and J. K. Lange, joint authors.
- 28423 NIELSEN, A. Feeding and meat quality. (Da) *BP Olie-Kompagniet Nyhedstjeneste* 53:13-15. Nov.1966. 281.9 B44
Veal calves and young bulls.
- 28424 NOBILI, G. F. Effects of beet tops on concentration of calcium in the blood serum and milk of the cow. (It) *Veterinaria [Milano]* 14(2):193-195. Mar./Apr.1965. 41.8 V6499
- 28425 OGER, Y. Fodder corn and cattle. (Fr) *Agr. Prat.* 130(9,1e.10):38-39. Oct.1966. 14 J82
Nutritive value of silage and ways of giving it to cattle.
- 28426 OPSTVEDT, J. Conditions of nutrition and metabolism of ruminants influencing composition of milk. (No) *Meieriposten* 55(47):1000-1013; (48):1020-1030. Ref. Nov.26-Dec.3,1966. 44.8 M47
Cows and goats.
- 28427 ORTH, A., and KAUFMANN, W. The effect of bicarbonate on feed uptake of dairy cows. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(6):350-361. Ref. Oct.1966. 389.78 Z3
English summary.
Added to silage.
- 28428 PIATKOWSKI, B. Investigations on daily uptake of dry matter and water by highly pregnant cows and heifers as well as by dairy cattle of varying performance. (Ge) *Arch. Tierzucht* 9(5):375-380. Ref. 1966. 49 Ar23
English summary.
- 28429 PIVA, G. Feeding of the dairy cow in relation to cheese manufacture. (It) *Mantova* 56:27-35. Sept./Oct.1966. 287 M315
- 28430 POWELL, J., and BOX, T. W. Brush management influences preference values of south Texas woody species for deer and cattle. *J. Range Manage.* 19(4):212-217. Ref. July 1966. 60.18 J82
- 28431 PUTNAM, P. A. Beef cattle feeding behavior. *Cornell Nutr. Conf. Feed Manufacturers. Proc.* 1966:30-34. Ref. 389.79 C81
- 28432 RADCLIFFE, J. C., and BOWEN, K. W. The feeding value of hay. *S. Australia J. Agr.* 70(4):135-139. Nov.1966. 23 S84
For dairy cattle feeding.
- 28433 RALSTON, A. T., KENNICK, W. H., and TAYLOR, N. O. The effect of choline chloride, urea and roughage fed at varying levels upon feedlot performance and carcass characteristics of steers. *Oreg. Agr. Exp. Sta. Spec. Rep.* 223, 6 p. Nov.1966. 100 Or3M
Not available free from issuing agency.
Photocopies may be ordered from the National Agricultural Library.
- 28434 RANDEL, P. F. Feeding lactating dairy cows concentrates and sugarcane bagasse as compared with a conventional ration. *P. R. Univ. J. Agr.* 50(4):255-269. Ref. Oct.1966. 8 P832J
Brown Swiss and Holstein cows.
- 28435 RITTMANNSPERGER, F. Establishment of feed utilization and fattening gains in cattle. (Ge) *Forderungsdienst* 13(spec.no.3):37-39. Oct.1965. 19 F75
Austria.
- 28436 ROBERTS, W. K. Effects of diet, degree of fatness, and sex upon fatty acid composition of cattle tissues. *Can. J. Anim. Sci.* 46(3):181-190. Ref. Dec.1966. 41.8 C163
- 28437 SASSER, L. B., and HAWLEY, C. A. Secretion of 131I into milk under conditions of environmental contamination of pasture. *J. Dairy Sci.* 49(12):1505-1510. Ref. Dec.1966. 44.8 J822
- 28438 SEVKOVIC, N., POPOVIC, M., and BASARIC, LJ. The possibility of utilization of castorbean meal in the feeding of cattle. (Se) *Vet. Glas.* 20(4):259-263. 1966. 31.8 J93
English summary.
- 28439 SHONE, D. K., and BUCHANNAN, K. M. The use of an aqueous solution of volatile fatty acids and ammonia as a replacement for the drinking water of fattening cattle in a nonprotein nitrogen feeding regime. *S. Afr. Vet. Med. Ass. J.* 37(3):341-345. Sept.1966. 41.8 S88
- 28440 SKEETE, G. M. Can ranchers adjust to fluctuating forage production. *J. Range Manage.* 19(5):258-262. Sept.1966. 60.18 J82
Stocking rates and range management in Texas cattle ranches.
- 28441 SKJESETH, K., and OVERSKOTT, S. Summer slaughtering must be fitted in with a general beef production plan. (No) *Norsk Landbruk* 13:6-7. July 1,1966. 11 N8122
Feed supply.
- 28442 STEEN, E. Intensive culture-intensive utilization. (Sw) *Lantmannen* 77(1):12-13. Jan.1,1966. 11 L234
Cattle on pasture.

- 25413 STEGER, H., FRANZ, H., and PUSCHEL, F. The nutrient and mineral content (macro and micro elements) of pasture and meadow grass of the Elbe lowlands in the district of Lenzener Wische and the influence of this forage on blood contents of cattle. (Ge) Arch. Tierernähr. 16(2/3):215-228. Ref. May 1966. 389, 78 Ar22
English summary.
- 25414 STEGER, H., and others. Nutritional studies with calves, 4. (Ge) Arch. Tierernähr. 16(2/3):163-171. Ref. May 1966. 389, 78 Ar22
B. Piatkowski, F. Puschel, and J. Voigt, joint authors.
English summary.
- 25415 STODDARD, G. E. Calcium:phosphorus ratios, for dairy cows. Utah Farm Home Sci. 27(3):113-115. Sept. 1966. 100 Ut1F
- 25416 TOGNETTI, E. Trial on the possibility of using isonicotinic acid hydrazide as feed additive in the rations of calves raised for meat production. (It) Veterinaria [Milano] 14(2):196-198. Mar./Apr. 1965. 41.8 V6499
- 25417 TURK, F., LETTNER, F., and HAIGER, A. Possibilities of producing meat only with combination breeds and extensive keeping of mother cows. (Ge) Forderungsdienst 14(7):227-229. July 1966. 19 F75
Includes calf weight gains and labor saving in letting the calves nurse for 6 to 7 months in Austria.
- 25418 VAN HORN, H. H., and FOREMAN, C. F. How much urea will you feed? Hoard's Dairyman 112(1):13, 36. Jan. 10, 1967. 44.8 H65
- 25419 WOOD, P. Fifteen-month beef best? Beef Sheep Farming 3(9):4. Nov. 1966. 43.8 B392
Chiefly effects of feeding, in Great Britain.
- 25420 ZEREMSKI, D., and KOLJAJIC, V. Comparative fattening of calves and heifers with feed concentrates of various content of proteins. (Se) Veterinaria [Sarajevo] 15(1):29-35. Ref. 1966. 41.8 V6494
English summary.
- Veterinary Medicine
- 25421 AARRE, K. Preventive treatment of summer mastitis with "Penamycin." (Da) Danske Dyrægefor. Medlemsbl. 49(14):580-583. July 15, 1966. 41.9 D23
Cattle.
- 25422 ABBATE, A., and CAMPANA, G. On the pharmacodynamic action of some drugs stimulating the rumen motility. (It) Veterinaria [Milano] 14(3):249-257. May/June 1965. 41.8 V6499
Of cattle.
- 25423 ABBATE, A., and CAMPANA, G. On the possibility for the use of some drugs in the treatment of the foreign bodies syndrome in cattle. (It) Veterinaria [Milano] 14(4):306-316. July/Aug. 1965. 41.8 V6499
- 25424 ABT, D. A., and others. Circadian and seasonal variations in the hemogram of mature dairy cattle. Cornell Vet. 56(4):479-520. Ref. Oct. 1966. 41.8 C81
J. Ipsen, W. C. D. Hare, R. R. Marshak, and J. Sahl, joint authors.
- 25425 ACORD, C. R., and others. Nitrogen sources for starch digestion by rumen microorganisms. J. Dairy Sci. 49(12):1519-1522. Ref. Dec. 1966. 44.8 J822
G. E. Mitchell, C. O. Little, and M. R. Karr, joint authors.
Tested on a steer.
- 25426 ADAMESTEANU, I., and others. Eosinogram variations in healthy calves and cows. Eosinophils and glycemia variations in cattle during the late pregnancy and their importance for the determination of exact date of parturition. (Ge) Arch. Vet. 1(2):111-123. Ref. 1966. 41.8 Ar27
E. Pop, C. Adamesteanu, V. Salantiu, and S. Gheorghiu, joint authors.
English summary.
- 25427 ADDIS, F. Total polysaccharides, mucoproteins soluble in perchloric acid and hexosamines in cow's amniotic and allantoic fluids. (It) Veterinaria [Milano] 15(5):271-276. Ref. Sept./Oct. 1966. 41.8 V6499
English summary.
- 25428 ALDINGER, H., and STRAUB, O. C. Study of the contamination of smallpox vaccines with parainfluenza-3 [virus] and rhino virus of cattle. (Ge) Arch. Gesamte Virusforsch. 19(3):305-318. Ref. 1966. 44.8 Ar23
- 25429 ANCZYKOWSKI, F., MURAT, P., and WALKOWSKI, L. Frequency and range of appearance of agglutination inhibitor with vaginal mucus of cows in diagnosis of brucellosis. (Pol) Pol. Arch. Weter. 9(4):669-677. 1966. 41.8 P76
English summary.
- 25430 ANTONJEVIC, M., BLAGOJEVIC, R., and STOJANOVIC, N. Treatment of cattle mastitis with mastalone preparation. (Se) Veterinaria [Sarajevo] 15(1):119-120. 1966. 41.8 V6494
English summary.
- 25431 ARTHUR, G. H. Recent advances in bovine obstetrics. Vet. Rec. 79(22):630-644. Ref. Nov. 26, 1966. 41.8 V641
Includes discussion.
- 25432 BAKER, L. A. Trends in dairy practice; a changing ethical outlook. Vet. Econ. 7(12):51. Dec. 1966. 41.8 V6458
- 25433 BARNECKI, W., HEJLASZ, Z., and KROLICZEK, A. Carotene and vitamin A in the blood of cattle from the goitrogenic areas of Lower Silesia. (Pol) Med. Weter. 22(5):301-303. May 1966. 41.8 M463
English summary.
- 25434 BARTHA, A., JUHASZ, M., and LIEBERMANN, H. Isolation of a bovine herpesvirus from calves with respiratory disease and keratoconjunctivitis. Acta Vet. [Budapest] 16(3):357-358. 1966. 41.8 Ac3
- 25435 BERAN, G. W. Bovine cystic hematuria in the Philippines; a report on an enzootic area. Amer. Vet. Med. Ass. J. 149(12):1686-1690. Ref. Dec. 15, 1966. 41.8 Am3
- 25436 BERCZI, I. Newborn calves coliform diarrhea and its control. (Hu) Magyar Mezőgazdaság 21(50):19. Dec. 14, 1966. 19 M27
- 25437 BERTRAND, M., FERNEY, J. J., and DESCHANEL, J. P. Actual aspects of sexual endocrinology practical consequences in the cow. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(2):135-143. Ref. 1966. 41.9 L99
- 25438 BIANCA, W. A simple method for estimating the isotonicity of blood. Brit. Vet. J. 122(12):530-533, 543. Dec. 1966. 41.8 V643
Cattle.
- 25439 BIRSCHWAL, C. J. A clinical study of cystic conditions of the bovine ovary. Amer. Vet. Med. Ass. J. 149(12):1591-1595. Ref. Dec. 15, 1966. 41.8 Am3
- 25440 BINNERTS, W. T. Copper metabolism in milk cows. III. Evaluation of the method for radio-measurements over the liver. Neth. J. Agr. Sci. 14(4):280-289. Nov. 1966. 12 N3892
- 25441 BLACK, A. L., and others. Pyruvate and propionate metabolism in lactating cows. J. Biol. Chem. 241(22):5233-5237. Ref. Nov. 25, 1966. 381 J824
J. Luick, F. Moller, and R. S. Anand, joint authors.
- 25442 BLINCOE, C., and BOHMAN, V. R. Tissue analysis: bone zinc concentration in range cattle. J. Agr. Food Chem. 14(6):645-646. Ref. Nov./Dec. 1966. 381 J823
- 25443 BOCH, J. Toxoplasma infections of cattle. (Ge) Umschau 66(13):441. July 1, 1966. 474 Um7
- 25444 BOGNER, H. Measurement of production traits and body proportions in cattle. (Ge) Forderungsdienst 13(spec.no.3):33-37. Ref. Oct. 1965. 19 F75
Dairy cattle; includes milk production.

- 28475 BOTTARELLI, F. A case of cattle poisoning from molasses. (It) *Veterinaria* [Milano] 14 (4):350-354. July/Aug. 1965. 41.8 V6499
- 28476 BRABANT, W., and SCHULZ, J. Surgical treatment of teat lesions in lactating cows. (Ge) *Monatsh. Veterinarmed.* 21(15):581-589. Aug. 1, 1966. 41.8 M742
English summary.
- 28477 BRATTLE, O. The cell figure tells much about milk quality. (No) *Meieriposten* 55(45):971-972. Nov. 12, 1966. 44.8 M47
From mastitic cows.
- 28478 BRION, A. Redress to buyer in case of sale of cattle with brucellosis. (Fr) *Rec. Med. Vet.* 142(9):839-846. Sept. 1966. 41.8 R24
English summary.
- 28479 BROWN, R. D. A note on inactivated contagious bovine pleuropneumonia vaccines. *Bull. Epizoot. Dis. Afr.* 14(3):281-283. Ref. Sept. 1966. 41.8 B872
- 28480 CAFFARENA, R. M., and AGORIO, M. Serological tests for brucellosis, "Q" fever, and leptospirosis in cattle in Uruguay. (Sp) *Gac. Vet.* 27(182):377-387, map. Sept. 1965. 41.8 G112
- 28481 CALCARAMI, M. J. Contribution to the study of tumors of the third eyelid in cattle. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47(5):393-394, 395-399. Ref. Sept./Oct. 1966. 41.8 B86
Cancer eye, especially in Holando Argentino cattle.
- 28482 CALEY, H. K. Vibriosis in cattle. *Kans. State Univ. Agr. Ext. L-148*, rev., 4 p. Oct. 1966. 275.29 K13Le
- 28483 CALLOW, L. L., and MELLORS, L. T. The use of atropine and adrenaline in quinuorinum sulphate poisoning of cattle. *Vet. Rec.* 79(24):771-772. Dec. 10, 1966. 41.8 V641
- 28484 CANADA, DEPT. OF AGRICULTURE. HEALTH OF ANIMALS BR. Bovine tuberculosis and brucellosis, 1965-66. Ottawa, 1966. 85 p. 41.9 C1652
Chiefly statistics.
- 28485 CARWARDINE, P. C. A case of pre-natal umbilical hernia involving the caecum in a calf. *Vet. Rec.* 79(16):456. Oct. 15, 1966. 41.8 V641
- 28486 CAUFELD, W. An outbreak of lameness in a complete dairy herd. *Vet. Rec.* 79(23):668. Dec. 3, 1966. 41.8 V641
In Great Britain.
- 28487 CAVALLAZZI, C., VEGGETTI, A., and CALLEGARI, E. Acetylcholinesterase activity in the dental pulp of various age bovines. *Riv. Biol.* 59(1/2):141-146. Ref., p. 139. Jan./June 1966. 442.8 R52
Text also in Italian. p. 125-139. --
- 28488 CERRUTI, C., and QUESADA, A. Research on vaccination of buffaloes against "barbone" (pasteurellosis). (It) *Clin. Vet.* 89(8):233-239. Ref. Aug. 1966. 41.8 C61
English summary.
- 28489 CHARPENTIER, J. Colour in muscle of veal calves. I. Causes of variation. (Fr) *Ann. Zootec.* 15(2):181-196. Ref. 1966. 49 F84
English summary.
- 28490 CHOCHA, A., and LEWANDOWSKI, A. Immuno-electrophoretic picture in cattle suffering from brucellosis. (Pol) *Med. Weter.* 22(7):423-425. July 1966. 41.8 M463
English summary.
- 28491 COCKRILL, W. R. A note on the hair whorls of the water buffalo. *Vet. Rec.* 79(19):535. Nov. 5, 1966. 41.8 V641
- 28492 COUSIN, H. La mammitte pyogene chez la vache [Pyogenic mammitis in the cow]. *Alfort. Ecole Nat. Vet.* These 72, 57 p. Ref. 1966. 41.2 AL23
- 28493 COWAN, K. M., and GRAVES, J. H. A third antigenic component associated with foot-and-mouth disease infection. *Virology* 30(3):528-540. Ref. Nov. 1966. 44.8 V81
In cattle and guinea pigs.
- 28494 CURTIS, R. A., VAN DREUMEL, A. A., and DITCHFIELD, J. Infectious bovine rhinotracheitis—clinical, pathological, and virological aspects. *Can. Vet. J.* 7(8):161-168. Ref. Aug. 1966. 41.8 R3224
- 28495 CURTIS, R. A., VAN DREUMEL, A. A., and DITCHFIELD, J. Infectious bovine rhinotracheitis—sudden death in feedlot cattle. *Can. Vet. J.* 7(9):208-209. Sept. 1966. 41.8 R3224
- 28496 DABROWSKI, T., and CYGAN, Z. Laboratory diagnosis of emphysematous gangrene. (Pol) *Med. Weter.* 22(5):267-270. May 1966. 41.8 M463
English summary.
Blackleg in cattle.
- 28497 DAS, S. C., RAWAT, J. S., and ROY, A. The composition of buffalo saliva. *Indian Vet. J.* 43(9):792-795. Sept. 1966. 41.8 In2
- 28498 DAYNES, P. Preliminary note on the presence of *Fasciola gigantica* in Madagascar. (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.) 19(3):275-276. 1966. 41.8 R3262
English summary.
In cattle; found in the liver.
- 28499 DENES, L. The situation of bovine tuberculosis infection in Hungary. I. Losses caused by bovine tuberculosis. (Hu) *Magyar Allatorv. Lapja* 21(11):481-483. Ref. Nov. 1966. 41.8 V644
English summary.
- 28500 DESJARDINS, C., KIRTON, K. T., and HAFS, H. D. Some chemical, immunochemical and electrophoretic properties of bovine follicular fluid. *J. Reprod. Fertil.* 11(2):237-244. Apr. 1966. 442.8 J8222
- 28501 DODGE, W. A. The latest in mastitis control. *Northeast. Dairy Conf. Proc.*, 31st Annu. Meeting:27-36. 1966. 44.9 N818
- 28502 DUBANSKY, V., and HRABAK, R. Application of the induced fluorescent method in the study of immature lymphocytes in the blood of cattle affected with leukemia. (Cz) *Veterinarstvi* 16(11):502-505. 1966. 41.8 V6439
- 28503 DUDLEY, M. A., and WILLETT, H. P. Comparisons of nicotinamide adenine dinucleotide synthesis by *Mycobacterium tuberculosis* and *Mycobacterium bovis*. *Can. J. Microbiol.* 12(6):1225-1233. Dec. 1966. 448.8 C162
- 28504 EGERTON, J. R., and PARSONSON, I. M. Isolation of *Fusiformis nodosus* from cattle. *Australian Vet. J.* 42(11):425-429. Ref. Nov. 1966. 41.8 Au72
Cause of foot rot. --
- 28505 ELECKO, J., SEVCIK, A., and HAJOVSKY, T. Comparison of some methods of treatment of torsions of pregnant uterus of cows. (Cz) *Veterinarstvi* 16(8):341-342. 1966. 41.8 V6439
- 28506 ELECKO, J. Comparison of the level of glucose in the blood of cattle in physiological and protracted parturition and in the application of cesarian section. (Cz) *Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(7):413-419. Ref. July 1966. 41.9 C333
English summary.
- 28507 ESTES, P. C., BRYNER, J. H., and O'BERRY, P. A. Histopathology of bovine vibriosis and the effects of *Vibrio fetus* extracts on the female genital tract. *Cornell Vet.* 56(4):610-622. Ref. Oct. 1966. 41.8 C81
- 28508 FAULENBORG, G., and JENSEN, C. Occurrence of antibiotic residues in udder secretion from barren cows and heifers treated with Penamycin. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(14):584-586. July 15, 1966. 41.9 D23
- 28509 FERAUGE, A. Some considerations about the head of cattle. (Fr) *Ann. Med. Vet.* 110(5):337-345. July 1966. 41.8 An78
- 28510 FILEA, I. Observations on a focus of external mammary papilloma in cattle. (Rum) *Rev. Zootec. Med. Vet.* 16(11):74-76. Nov. 1966. 49 P943
- 28511 FOGDEGARD, G., LINDAHL, O., and NORDIN, K. B. Corticosteroid treatment of acetoneuria. (Sw) *Svensk Veterinarstidn.* 18(21):623-625. Nov. 1966. 41.9 Sv23
Cattle.
- 28512 FOLKERS, C. The effect of repeated use of isometamidium at low dosage on development of drug-resistant strains of cattle Trypanosoma. *Bull. Epizoot. Dis. Afr.* 14(3):301-310. Ref. Sept. 1966. 41.8 B872

- 28513 FONTAINE, J., and others. Immunologic study methods of the various types of foot-and-mouth disease virus. (Fr) *Lyons. Soc. Sci. Vet. Bull.* 68(2):161-173. Ref. 1966. 41.9 L99
J. Terre, M. Roumiantzeff, C. Dubouchard, P. Bornarel, and H. Favre, joint authors.
In cattle and guinea pigs.
- 28514 FRASER, C. M., and CAMPBELL, D. J. Variability of resistance of calves to acquisition of infection by *Nematodirus helvetianus*. *Can. Vet. J.* 7(9):193-198. Ref. Sept. 1966. 41.8 R3224
- 28515 FROST, A. J. The treatment of *Streptococcus agalactiae* infection of the bovine udder with potassium penicillin V. *Australian Vet. J.* 42 (11):401-404. Ref. Nov. 1966. 41.8 Au72
- 28516 GABRIS, J. Changes of blood picture and dry matter in the blood of the Pinzgau cattle breed during the lactation and their relation to the production of milk and fat in milk. (Cz) *Pol'nohospodárstvo* 12(11):841-848. Ref. 1966. 19.5 P752
English summary.
- 28517 GADAMSKI, R. Cyto- and fibroarchitectonics of the olfactory bulb of the cow. (Pol) *Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:109-124. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 28518 GALTON, M. Evolution of sex chromosomes in mammals and birds. *Lancet* 2(7476):1397-1398. Dec. 24, 1966. 448.8 L22
Includes cattle and dog.
- 28519 GAMCIK, P., and NEMES, D. Experiments with some field diagnosis tests and the laboratory method in the diagnosis of mastitis of cattle. (Cz) *Czech. Min. Zemedel. Lesního Hospodár. Ústav Vedeckotech. Inform. Vet. Med.* 39(6):353-360. Ref. June 1966. 41.9 C333
English summary.
- 28520 GAMCIK, F. On the problem of embryonal mortality of cattle. (Cz) *Veterinarství* 16(7):305-308. 1966. 41.8 V6439
- 28521 GAMCIK, P., and SAKALA, J. Poruchy plodnosti hovězího dobytka [cattle fertility diseases]. Ed. 2, rev. and enl. Bratislava, Slovenské Vydavateľstvo Podohospodárskej Literatúry, 1966. 407 p. SP837.G3
Bibliography, p. 401-407.
- 28522 GARLANDA, A. Considerations on health measures with particular regard to the Province of Torino. (It) *Nuovo Prog. Vet.* 21(18):806-808, 811. Sept. 30, 1966. 41.8 P942
Chiefly control of bovine tuberculosis and brucellosis.
- 28523 GEORGEV, B., and DRUMEV, D. On the effect of some neuroleptics and tranquilizers on ruminant. (Ge) *Acta Vet. [Budapest]* 16(3):263-271. Ref. 1966. 41.8 Ac83
Cattle and sheep tested.
- 28524 GHORBAN, K. Z. Metabolic fate of lactic acid in the bovine. *Diss. Abstr.* Sect. B, 27(3):656B. Sept. 1966. Z5055. U49D53
- 28525 GILS, J. H. J. VAN, and ZAYED, I. Myodegeneration in Friesian beef calves. I. Experimental production of myodegeneration in newborn calves fed on alpha-tocopherol-deficient synthetic milk diet. *Tijdschr. Diergeneesk.* 91(22):1375-1416. Ref. Nov. 15, 1966. 41.8 T431
- 28526 GIRARD, A., and others. Study of experimental magnesium deficiency in calves. 3-4. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):383-398. Ref. 1965. 442.8 An75
English summary.
3. Interactions between metabolism of magnesium and iodine, by A. Girard, P. Larvor, and M. Brochart; 4. Demonstration of hemolytic phenomena and changes in enzymes (glucose-6-phosphate dehydrogenase and glutamic oxalacetic transaminase), by P. Larvor, T. Kwiatkowski, and M. Lamand.
- 28527 GONZALEZ, H., and PLAZA, J. Trematodes of the family Paraphistomidae in cattle imported from Australia. (Sp) *Bolet. Chileno Parasitol.* 21(1):19-21. Jan./Mar. 1966. 436.9 C43
English summary.
Cotyllophoron cotyllophorum, the rumen fluke.
- 28528 GRANIERI, M. Complement fixation test in the diagnosis of bovine brucellosis. (It) *Veterinaria [Milano]* 15(5):277-284. Ref. Sept./Oct. 1966. 41.8 V6499
English summary.
- 28529 GRIFFIN, R. M., and LAING, D. F. Contagious bovine pleuropneumonia in northern Nigeria, 1924-64. *Bull. Epizoot. Dis. Afr.* 14(3):255-279, map. Ref. Sept. 1966. 41.8 B872
- 28530 GROSCLAUDE, F., HOULLER, C., and RUF-FET, G. The T' locus, an additional locus of cattle blood groups; preliminary note. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):403-406. 1965. 442.8 An75
English summary.
Antigens.
- 28531 GUAY, P. Study of sodium contained in the blood and genital secretions of the cow during the normal cycle. (Fr) *Can. Vet. J.* 7(9):199-203. Ref. Sept. 1966. 41.8 R3224
English summary.
- 28532 GUAY, P. Value of calcium in the blood and genital secretions of the cow, during the normal cycle. (Fr) *Can. Vet. J.* 7(8):169-175. Ref. Aug. 1966. 41.8 R324
English summary.
- 28533 HAJSIG, M. Study of relation of some yeasts and bacteria isolated from the genital organs of cows; preliminary communication. (Se) *Vet. Arh.* 36(7/8):231-234. Ref. 1966. 41.8 V6416
English summary.
- 28534 HALHEAD, W. H. Coccidiosis of calves. West. Australia, Dep. Agr. J. (ser. 4) 7(9):419-420. Sept. 1966. 23 W52J
- 28535 HANLEIN, G., and BAUMGARDT, B. Morphological and physiological changes in the calf stomach with early weaning. (Ge) *Z. Tierphysiol. Tierernähr. Futtermittelkunde* 21(6):327-337. Oct. 1966. 399.78 Z3
English summary.
Bibliography, p. 332-337.
- 28536 HAREMSKI, T. Epizootiological analysis of leukemia of cattle in the Leszczynski district. (Pol) *Med. Wet.* 22(5):295. May 1966. 41.8 M463
- 28537 HIERPE, C. A., and BROWNE, J. R. Bovine hypomagnesaemic tetany: two cases related to transportation. *Vet. Rec.* 79(14):396-397. Oct. 1, 1966. 41.8 V641
- 28538 HODGES, G. M. Adaptation of a strain of neurovaccinia and of dermavaccinia to organ cultures of chick embryo skin. *Acta Virol.* 10(5):450-454. Ref. Sept. 1966. 448.3 Ac85
- 28539 HORVATH, Z., and LAMI, GY. Leucosis of cattle in the recent literature. II. On the laboratory diagnosis of lymphadenitis and the prevention of the disease. (Hu) *Magyar Allatorv. Lapja* 21(11):508-510. Nov. 1966. 41.8 V644
- 28540 HUBBEN, K., MORSE, G. E., and MEALEY, M. M. Studies of bovine mastitis; histochemical observations on the streak-canal epithelium. *Cornell Vet.* 56(4):648-658. Ref. Oct. 1966. 41.8 C81
- 28541 HZHVS'KYL, S. Z., and YAVONENKO, O. F. Effect of insulin on the penetration of nitrogen components through the rumen wall in cattle. (Uk) *Akad. Nauk Ukr. RSR. Dopovidi* 9:1186-1188. 1966. 511 K54
English summary.
- 28542 IBSEN, D. Toxic problems in cattle. *Ark. Cattle Bus.* 2(12):7, 25-26. Dec. 1966. 43.8 Ar43
- 28543 IRELAND, DEPT. OF AGRICULTURE AND FISHERIES. Important step towards brucellosis eradication. *Irish Vet. J.* (n.s.) 20(7):135. July 1966. 41.8 Ir4
Through vaccination of the heifer calves.
- 28544 JOHNSTON, J. E., and others. Clover bloat control in grazing cattle. *La. Agr.* 10(1):6-7. Fall 1966. 100 L939
L. E. Foote, J. Rainey, R. E. Girouard, L. Guthrie, P. B. Brown, and W. H. Willis, joint authors.
Control with Poloxalene.

- 28545 JOHNSTON, K. G., LEPHERD, E. E., and LUTZ, P. Bovine mastitis in the Camden district of New South Wales. *Australian Vet. J.* 42(11):405-411. Ref. Nov.1966. 41.8 Au72
- 28546 JOLLY, R. D., and DANIEL, R. C. W. Papular stomatitis of cattle. *New Zeal. Vet. J.* 14(10):168-170. Oct.1966. 41.8 N483
- 28547 JONES, E. W., and BROCK, W. E. Bovine anaplasmosis: its diagnosis, treatment, and control. *Amer. Vet. Med. Ass. J.* 149(12):1624-1633. Ref. Dec.15,1966. 41.8 Am3
- 28548 JORDON, J. W., and ALSTON, A. M. Fluorine in herbage and water supplies in Northern Ireland in relation to the possible occurrence of fluorosis in livestock. *Northern Ireland. Rec. Agr. Res.* 15(1):43-54, map. Ref. 1966. 10 N81R
- 28549 JOUBERT, L., BERTRAND, M., and FERNEY, J. Prophylaxis of bovine brucellosis. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(5):423-439. 1965. 41.9 L99
Discussion, p.465-474.
- 28550 JOVOV, K. Rare cases of coccidiosis of cattle. (Se) *Vet. Glas.* 20(4):293-295. 1966. 41.8 J93
- 28551 JOVOV, K. The state of distribution of some parasitic diseases of cattle in the northeastern Bosnia. (Se) *Vet. Glas.* 20(5):379-381. 1966. 41.8 J93
Chiefly liver and intestinal flukes.
- 28552 KAHRS, R. F. Immunization programs for dairy cattle. *Cornell Vet.* 56(2):288-292. Apr.1966. 41.8 C81
- 28553 KAPRAL, O. A contribution to the diagnosis and treatment of the non-physiological course of pregnancy and parturition of cattle. (Cz) *Veterinarstvi* 16(10):465-467. 1966. 41.8 V6439
- 28554 KARG, H. Hormones in fattening. (Ge) *Z. Tierzucht. Zuchtungsbiol.* 82(2):154-168. Ref. May 1966. 44.2 B 35
English summary.
Cattle and swine.
- 28555 KEMP, A., DELS, W. B., and KLUVERS, E. Influence of higher fatty acids on the availability of magnesium in milking cows. *Neth. J. Agr. Sci.* 14(4):290-295. Ref. Nov.1966. 12 N3892
- 28556 KERR, W. R. Immunity to *Trichomonas foetus*. *Irish Vet. J.* (n.s.)20(7):124-127. July 1966. 41.8 Ir4
Cattle.
- 28557 KERZ, P. D. Correction of vaginal prolapse in the bovine. *Vet. Med./ Small Anim. Clin.* 61(9):888-889. Sept.1966. 41.8 M69
- 28558 KING, J. O. L. "Light" or "weak" quarters in lactating heifers. *Vet. Rec.* 79(17):480-482. Ref. Oct.22,1966. 41.8 V641
- 28559 KLEIHAEUER, E., BRAUCHLE, E., and BRANDT, G. Ontogeny of cattle haemoglobin. *Nature* 212(5067):1272-1273. Ref. Dec.10,1966. 472 N21
- 28560 KLEINBOK, M. T. Changes of connective tissues and the vessels in calves affected by pneumonia. (Rus) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:90-92. July/Aug.1966. 44.2 A16
- 28561 KONRAD, J., KRUPKA, V., and PUMPE, V. Economic evaluation of the effectiveness of the hospital treatment of dairy cattle. (Cz) *Veterinarstvi* 16(8):377-378. 1966. 41.8 V6439
- 28562 KOPER, S. Angiography of the arteriae alveolaris mandibulae in cattle suffering from actinomycosis of the mandible. (Pol) *Lublin. Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 20:287-294. Ref. 1965, pub.1966. 512 L96Ad
English summary.
- 28563 KOSTYRA, J., and KOMAR, E. Effects of rumenotomy on the leucocytes and many electrolytes in cattle. (Ge) *Lublin. Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 20:319-341. Ref. 1965, pub.1966. 512 L96Ad
- 28564 KOSTYRA, J., and KOMAR, E. Studies on the healing of the wounds of the rumen after rumenotomy in cattle. (Pol) *Lublin. Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 20:295-317. Ref. 1965, pub.1966. 512 L96Ad
English summary.
- 28565 KOUDELA, K. Economic losses caused by the cysticercosis in cattle in Czechoslovakia. (Cz) *Veterinarstvi* 16(11):518-520. 1966. 41.8 V6439
- 28566 KRONFELD, D. S. The problem of ketosis in apparently well fed cows. *Cornell Nutr. Conf. Feed Manufacturers. Proc.* 1966:61-68. Ref. 389.7 C81
- 28567 KUDLAC, E., and VRTEL, M. Comparative studies on cesarean section performed on standing and laying cattle from the left side. (Cz) *Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(7):421-430. Ref. July 1966. 41.9 C333
English summary.
- 28568 KUDLAC, E. Development and the present state of the obstetrics of cattle. (Cz) *Veterinarstvi* 16(8):338-340. 1966. 41.8 V6439
- 28569 LARSEN, B., and MOUSTGAARD, J. Investigation on the blood, transferrin and haemoglobin types of cattle from the Middle East. (Da) *Copenhagen. Vet.- Landbohøjsk. Inst. Serititetstorsk. Aarsberet.* 1965:193-203. Ref. 41.9 C792A
English summary.
- 28570 LAX, T., and others. Conservative treatment of traumatic reticuloperitonitis in cattle. (Cz) *Veterinarstvi* 16(7):315-318. 1966. 41.8 V6439
F. Jagos, V. Hamsik, B. Hofirek, J. Koci, and Z. Valach, joint authors.
- 28571 LEMONNIER, G. Introduction du bétail trypanotolérant en République Centrafricaine [Introduction of trypanotolerant cattle in Central African Republic]. *Alfort. Ecole Nat. Vet.* These 53,77 p., map. Ref. 1966. 41.2 AL23
- 28572 LEON, D. D. DE, and JUPLO, R. J. Gastrointestinal helminth parasites of Philippine carabaos (*Bubalus bubalis* L.). *J. Parasitol.* 52(6):1214. Dec.1966. 44.8 J824
- 28573 LEUNEN, J., and WELLEMANS, G. Respiratory disease of calves caused by parainfluenza-3 virus. (Fr) *Ann. Med. Vet.* 110(5):325-336. Ref. July 1966. 41.8 An78
English summary.
In Belgium.
- 28574 LEWANDOWSKI, M. A simple method to facilitate diagnosis and prognosis in certain cases of lameness of cattle. (Pol) *Med. Weter.* 22(5):292-293. May 1966. 41.8 M463
- 28575 LINDBERG, A. A new preparation for rumen flora. (Sw) *Var Naring* 42(12):333. Dec.1965. 44.8 M692
Estimulex for cattle.
- 28576 LOJDA, L. Clinical studies of the ovarian activity of cattle for reproduction in relation to ecological factors. (Cz) *Veterinarstvi* 16(8):353-356. 1966. 41.8 V6439
- 28577 LOTISSIER, A. Clinical diagnosis of bovine brucellosis. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(5):391-394. 1965. 41.9 L99
Discussion, p.465-474.
- 28578 LOVCEVIV, I. Spontaneous healing of the fracture of tubular bone of a heifer. (Se) *Vet. Glas.* 20(4):297-298. 1966. 41.8 J93
- 28579 LUICK, J. R., and MAZIRMAS, J. A. Biological effects of ionizing radiation on milk synthesis. III. *J. Dairy Sci.* 49(12):1500-1504. Ref. Dec. 1966. 44.8 J822
- 28580 MADEJ, E. Thorn's test and changes in the leucogram in cows after intramuscular injection of ACTH. (Pol) *Lublin. Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 20:213-220. Ref. 1965, pub.1966. 512 L96Ad
English summary.

- 28581 MANUNTA, G. Old and new acquisitions on the physiology of lactation. (It) Veterinaria [Milano] 14(3):258-271. (Cont.) May/June 1965. 41.8 V6499
Review of the literature.
Chiefly in cattle.
- 28582 MANUNTA, G. Old and new acquisitions on the physiology of lactation. (It) Veterinaria [Milano] 14(4):364-374. (Cont.) July/Aug. 1965. 41.8 V6499
Review of the literature.
Chiefly cattle.
- 28583 MANUNTA, G. Old and new acquisitions on the physiology of lactation. (It) Veterinaria [Milano] 14(5):425-439. (Cont.) Sept./Oct. 1965. 41.8 V6499
Review of the literature.
Chiefly cattle.
- 28584 MANUNTA, G. Old and new acquisitions on the physiology of lactation. (It) Veterinaria [Milano] 14(6):495-509. Nov./Dec. 1965. 41.8 V6499
Review of the literature.
Chiefly cattle.
- 28585 MARICA, D., and others. Characteristics of the staphylococci isolated in bovine mammary furunculosis. (It) Zooprofilassi 21(6):301-306. Ref. June 1966. 41.8 Z72
I. May, A. Elias, and T. Parau, joint authors.
English summary, p.344.
Rumania; includes transmission from milkers.
- 28586 MARKSON, L. M., and DARBYSHERE, J. H. The reaction of calves to experimental infection with the Oxford strain of infectious bovine rhinotracheitis virus. Brit. Vet. J. 122(12):522-529, 543. Ref. Dec. 1966. 41.8 V643
Great Britain.
- 28587 MARTIN MARTIN, E. Modifications of apparatus and technique: ovariectomy through the flank in cows. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):417-434. 1965. 41.9 Ov4
English summary.
- 28588 MASOERO, P., DURIO, P., and TURI, R. M. Lipid components of the nervous tissue in bovine species; observations and preliminary reports on the brain, cerebellum and medulla oblongata. (It) Arch. Vet. Ital. 17(5):327-334. Ref. Oct. 31, 1966. 41.8 Ar25
English summary.
- 28589 MATSUOKA, T., and others. Immunity to experimental parainfluenza and Pasteurella challenge following calfhood vaccination. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting: 104-108. Ref. 1965, pub. 1966. 49.9 Un3R
C. Gale, E. E. Ose, and R. N. Berkman, joint authors.
Immunization of calves with parainfluenza-3 vaccine and Pasteurella hemolytica-Pasteurella multocida bacterin.
- 28590 MAZURCZAK, J., and others. Immuno-electrophoretic analysis of mucus of the uterine cervix of cows. III. (Pol) Med. Weter. 22(5):287-290. May 1966. 41.8 M463
A. Markowski, J. Michalik, and E. Sitarska, joint authors.
- 28591 MAZZA, I. DEL. Variations in blood chemistry and probable causes of death in scours of newborn calves. (It) Zooprofilassi 21(6):323-326. June 1966. 41.8 Z72
English summary, p.344.
- 28592 MCCULLY, K. A., and others. Metabolism and storage of DDT in beef cattle. Ass. Offic. Anal. Chem. J. 49(5):966-973. Ref. Oct. 1966. 381 A57
D. C. Villeneuve, W. P. McKinley, W. E. J. Phillips, and M. Hidiroglou, joint authors.
- 28593 MCKERCHER, P. D., DELLERS, R. W., and GIORDANO, A. R. Foot-and-mouth disease infection in cattle housed in an isolation unit. Cornell Vet. 56(3):395-401. July 1966. 41.8 C81
- 28594 MCSHERRY, B. J., VAN DREUMEL, A. A., and ROBINSON, G. A. Apparent half-time of bovine red cells labelled in vitro with chromate-Cr⁵¹ and auto-transfused into 10 normal calves. Can. Vet. J. 7(8):176-179. Ref. Aug. 1966. 41.8 R3224
- 28595 MCSHERRY, B. J., VAN DREUMEL, A. A., and ROBINSON, G. A. Apparent half-time of bovine red cells labelled in vivo with chromate-Cr⁵¹. Can. Vet. J. 7(9):204-207. Sept. 1966. 41.8 R3224
- 28596 MIAVECEZ, M. A method for differentiating the andro- or oestropot heat secretions of the cows (the silver nitrate) color reaction and the forecast of the sex. (Hu) Magyar Allatorv. Lapja 21(11):496-499. Nov. 1966. 41.8 V644
English summary.
- 28597 MICHALSKA, Z., and OSINSKI, B. A rare developmental defect of the urinary tract as the cause of anuria in a 4-year old bullock. (Pol) Med. Weter. 22(7):399-400. July 1966. 41.8 M463
- 28598 MIHAIESCU, G. F., and MIHAIESCU, I. F. Study of the stimulation of the growth of cattle by embryo extracts. (Rum) Rev. Zooteh. Med. Vet. 16(11):19-24. Ref. Nov. 1966. 49 P943
- 28599 MIKACIC, D. A contribution to the epizootiology of fascioliasis. Characteristics and dynamics of Galba snails in a locality of Sava valley. (Se) Vet. Arh. 36(7/8):179-184. Ref. 1966. 41.8 V6416
English summary.
Cattle.
- 28600 MIKES, J. Measure for the control of lungworms of pasturing cattle. (Cz) Veterinarstvi 16(7):309-312. 1966. 41.8 V6439
- 28601 MIKULAS, L. First experiments with the health control of cattle in large breeding units. (Cz) Veterinarstvi 16(8):370-371. 1966. 41.8 V6439
- 28602 MILJKOVIC, V., STANIMIROVIC, M., and DRAGIC, M. A case of enormous hydrocephalus of bovine fetus as an absolute indication for Caesarian section. (Se) Vet. Glas. 20(5):383-385. 1966. 41.8 J93
- 28603 MISERICORDIA, F. Collective estrus manifestations of reciprocal neuropeptic effects or other conditioning stimuli. (It) Veterinaria [Milano] 14(4):340-348. July/Aug. 1965. 41.8 V6499
Chiefly in the cow.
- 28604 MORENO, A. T. Bovine mastitis. (Sp) Rev. Med. Vet. [Buenos Aires] 47(2):105-108, 110-112, 114-116, 118-121. Ref. Mar./Apr. 1966. 41.8 B86
- 28605 MORINI, E. G., GALOFRÉ, E. J., and BASSO, R. Use of thiabendazole for cattle. (Sp) Gac. Vet. 27(179):240-251. June 1965. 41.8 G112
For gastrointestinal worms.
- 28606 MOUSTGAARD, J. Blood groups in cattle. theory and practical application. Brit. Cattle Breeders' Club. Dig. 22:61-93. 1966. 43.9 BT75
- 28607 MUHLENPFORDT, J., and others. Research on the N-metabolism in the lactating cow with use of orally administered urea (¹⁵N). 1-14. (Ge) Arch. Tierernahr. 16(4/5):267-456. Ref. July 1966. 398.78 Ar22
K. Kolb, W. Rommel, M. Ulbrich, A. Wallmen, H. Mielke, H. Scholz, H. Gurtler, H. Richter, E. Kolb, I. Muller, and H. Faust, joint authors.
English summary.
- 28608 MUNZ, E. K., and OWEN, N. C. Electron microscopic studies on lumpy skin disease virus type "Neethling." Onderstepoort J. Vet. Res. 33(1):3-8. Ref. June 1966. 41.8 On1
Isolated from cattle.
- 28609 NANSSEN, P., and NIELSEN, K. Metabolism of bovine immunoglobulin. I. Metabolism of bovine IgG in cattle with chronic pyogenic infections. Can. J. Comp. Med. Vet. Sci. 30(12):327-331. Ref. Dec. 1966. 41.8 C162
Caused by Corynebacterium pyogenes.

- 28610 NARAYAN, K. G., and TAKACS, J. Incidence of Clostridia in emergency-slaughtered cattle. *Acta Vet. [Budapest]* 16(3):345-349. 1966. 41.8 Ac83
- 28611 NEMECSEK, L. A contribution to the centralized anesthesia on the head of cattle. (Cz) *Veterinarstvi* 16(11):507-511. 1966. 41.8 V6439
- 28612 NERI, E. Fetal dystocia due to bending posture of the coxofemoral joint in the bovine species. (It) *Veterinaria [Milano]* 15(1):40-44. Jan./Feb. 1966. 41.8 V6499
- 28613 NEWELL, R. C., and WALKEY, M. Oxidative activity of mammalian liver mitochondria as a function of temperature. *Nature [London]* 212 (5060):428-429. Oct. 22, 1966. 472 N21
In cattle and rabbit metabolism studies.
- 28614 NOWOSAD, R. Changes in the electrophoretic properties of cattle and pig serum proteins after in vitro UV irradiation. (Pol) *Wroclaw, Wydzia Szkoła Roln. Zeszyty Nauk. Weter.* 18: 99-104. 1965. 41.9 B753
English summary.
- 28615 ORLOV, L. M. Sublingual salivary gland secretion in cattle. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 51(8):983-989. Aug. 1965. 444.8 F58
- 28616 PANEL ON BOVINE KETOSIS. [Papers]. *Amer. Vet. Med. Ass. J.* 149(12):1610-1623. Ref. Dec. 15, 1966. 41.8 Am3
The design of a therapeutic trial on bovine ketosis, by D. S. Kronfeld; The clinical operation of a therapeutic trial on bovine ketosis, by J. F. Cote, R. A. Curtis, B. J. McSherry; The evaluation of results from a therapeutic trial on bovine ketosis, by J. M. Robertson.
- 28617 PANICHI, G. Gravidic paresis and hypophosphatemia in the cow. (It) *Veterinaria [Milano]* 14(2):142-155. Ref. Mar./Apr. 1965. 41.8 V6499
- 28618 PARIZEK, M. Cattleman's view of the problems of mastitis. (Cz) *Veterinarstvi* 16(10): 470-472. 1966. 41.8 V6439
- 28619 PASFIELD, J., and KERR, W. R. Mastitis and brucellosis. *Brit. Cattle Breeders' Club Dig.* 22:95-106. 1966. 43.9 B775
Prevention and eradication.
Includes discussion.
- 28620 PATKA, J. The effective eradication of trichophytosis in cattle. (Cz) *Veterinarstvi* 16(11): 487-490. 1966. 41.8 V6439
- 28621 PAVEL, J., and others. Study of some factors connected with the synthesis of milk proteins in the Red Danish cattle breed in Czechoslovakia. I-II. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada A. Spisy Fak. Agron.* 2:285-303. Ref. 1966. 105.92 B833
V. Klicnik, A. Babak, and B. Sovozil, joint authors.
English summary.
Major proteins in milk and intragroup and seasonal variation.
- 28622 PEACOCKE, A. R., and WILLIAMS, P. A. Binding of calcium, yttrium and thorium to a glycoprotein from bovine cortical bone. *Nature [London]* 211(5054):1140-1141. Ref. Sept. 10, 1966. 472 N21
- 28623 PERREAU, P., and CHAMBRON, J. Immunology of bovine cutaneous streptothricosis of cattle: vaccination trials. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 19(3):263-274. 1966. 41.8 R3262
English summary.
- 28624 PETERSON, J. E., and others. Infertility in dairy heifers with particular reference to a high incidence of developmental defects of the paramesonephric duct system. *Australian Vet. J.* 42(11):430-436. Nov. 1966. 41.8 Au72
I. M. Parsonson, I. D. B. Newsam, and B. L. Clark, joint authors.
- 28625 PETROVIC, B. Radiation control of cattle and cattle products. (Se) *Vet. Glas.* 20(6):469-472. 1966. 41.8 J93
Radioactive contamination.
- 28626 PIENAAR, J. G., BASSON, P. A., and VAN DER MERWE, J. L. DE B. Studies on the pathology of heartwater [Cowdria (Rickettsia) ruminantium, Cowdry, 1926]. I. Neuropathological changes. *Onderstepoort J. Vet. Res.* 33(1): 115-137. Ref. June 1966. 41.8 On1
In cattle and sheep.
- 28627 POPLAWSKI, J., and JANDL, W. Acute postpartum inflammation of the genital tract in cattle imported from Denmark. (Pol) *Med. Weter.* 22(5):285-287. May 1966. 41.8 M463
- 28628 POPLUHAR, L., and VRTIAK, J. Latent forms and aergic heads as a source of tuberculous infection of cattle. (Cz) *Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(6):523-528. Ref. Aug. 1966. 41.9 C333
English summary.
- 28629 PRASAD, L. B. M., and PRASAD, S. Bovine mastitis caused by a yeast in India. *Vet. Rec.* 79(25):809-810. Dec. 17, 1966. 41.8 V641
- 28630 PRASAD, L. B. M., and PANDEY, S. P. Isolation of *Proteus morgani* from an atypical form of fatal gastro-enteritis in cattle. *Indian Vet. J.* 43(9):767-770. Sept. 1966. 41.8 In2
- 28631 PUHAC, I., and others. The effect of changes of contemporary technology of production and breeding on the dynamics and structure of diseases and losses of calves. (Se) *Vet. Glas.* 20(5):333-341. Ref. 1966. 41.8 J93
L. Spis, S. Murgaski, and N. Sevkovic, joint authors.
English summary.
- 28632 PURI, A. A. Some considerations on the hemochromatosis or renal melanosis in the cattle. (It) *Veterinaria [Milano]* 14(2):181-186. Mar./Apr. 1965. 41.8 V6499
- 28633 RACE, D. The Northeastern situation in mastitis detection. *Northeast. Dairy Conf. Proc.*, 31st Annu. Meeting:20-26. 1966. 44.9 N818
- 28634 REDDY, D. B., KHAN, N., and YADGIRKAR, G. A rare case of uterine rupture and escape of conceptus into the abdominal cavity in a preparturient buffalo-cow. *Vet. Rec.* 79(19):540-541. Nov. 5, 1966. 41.8 V641
- 28635 REES, H. G. Aprosopus: a synotia-like condition in a stillborn calf. *Vet. Rec.* 79(17): 484-485. Oct. 22, 1966. 41.8 V641
- 28636 REID, J. F. S., and LAUDER, I. M. Demodectic mange in cattle. *Vet. Rec.* 79(17):482-483. Oct. 22, 1966. 41.8 V641
- 28637 REMES, E. Operative treatment of prolapsus vaginae in cow. (Fi) *Suomen Eläinlääkäri-lehti* 72(9):349-351. Sept. 1966. 41.8 F49
- 28638 REVUE D'ELEVAGE ET DE MEDECINE VETERINAIRE DES PAYS TROPICAUX. Recently acquired knowledge on the cattle plague and its virus. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 19(3):365-413. 1966. 41.8 R3262
Bibliography, p. 403-413.
In Africa.
- 28639 REY, J. D. Essai de traitement des complications pulmonaires de la bronchite vermineuse des bovins; aerosoltherapie [Trial for treatment of pulmonary complications caused by bovine verminous bronchitis; aerosol therapy]. *Alfort. Ecole Nat. Vet. These* 59,44 p. Ref. 1966. 41.2 AL23
- 28640 RICE, C. E., TAILYOUR, J., and COCHROME, D. Ultracentrifugal studies of sera from cattle vaccinated or naturally infected with *Brucella abortus*. *Can. J. Comp. Med. Vet. Sci.* 30(10): 270-278. Ref. Oct. 1966. 41.8 C162
- 28641 RIEB, K. Application of autovaccination for calves. (Cz) *Veterinarstvi* 16(10):469-470. 1966. 41.8 V6439
- 28642 RIIS, P. M. Etiology and therapy of ketosis. (Da) *Danske Dyrlægefor. Medlemsbl.* 49(12): 521-522. June 15, 1966. 41.9 D23
In cattle.

- 28643 RIVERA-ANAYA, J. D., and BERROCAL, C. M. "Valsyn mix" in comparative studies of the prevention of coliform diarrhea in calves. *P. R. Univ. J. Agr.* 50(4):280-292. Oct. 1966. 8 P832J
- 28644 ROBERTSON, A. The effect of heifer milk production on longevity. *Brit. Cattle Breeders' Club. Dig.* 22:127-135. 1966. 43.9 B775
- 28645 ROBERTSON, J. M. Left displacement of the bovine abomasum: clinical findings. *Vet. Rec.* 79(19):530-534. Ref. Nov. 5, 1966. 41.8 V641
- 28646 ROBERTSON, J. M. Left displacement of the bovine abomasum: laboratory findings. *Amer. Vet. Med. Ass. J.* 149(11):1430-1434. Ref. Dec. 1, 1966. 41.8 Am3
- 28647 ROBERTSON, J. M., and BOUCHER, W. B. Treatment of left displacement of the bovine abomasum. *Amer. Vet. Med. Ass. J.* 149(11):1423-1429. Ref. Dec. 1, 1966. 41.8 Am3
Surgery.
- 28648 ROMANO, R. Comparison of protein-bound iodine values of normal calves and those affected by thyroid trouble obtained on bovine blood serum by Barker's method. (It) *Zooprofilassi* 21(6):309-322. June 1966. 41.8 Z72
English summary, p.344.
- 28649 ROSS, J. G. An abattoir survey of cattle liver infections with *Fasciola hepatica*. *Brit. Vet. J.* 122(11):489-494. Nov. 1966. 41.8 V643
Great Britain.
- 28650 ROSS, J. G. Fascioliasis in Northern Ireland cattle. *Irish Vet. J. (n.s.)* 20(7):131-134. Ref. July 1966. 41.8 Ir4
- 28651 ROSSI, C. Diagnosis, prophylaxis and therapy of neonatal diseases of calves. (It) *Nuovo Prog. Vet.* 21(21):985-986, 988, 990. Nov. 15, 1966. 41.8 P942
- 28652 ROWSON, L. E. A., and MOOR, R. M. Non-surgical transfer of cow eggs. *J. Reprod. Fertil.* 11(2):311-312. Apr. 1966. 44.8 J8222
- 28653 RUDEK, L. Operative treatment of the rumen and walls of the belly burst open by acute flatulence in cattle. (Pol) *Med. Weter.* 22(5):299-300. May 1966. 41.8 M463
- 28654 RWEYEMAMU, M. M., JOHNSON, R. H., and TUTT, J. B. Some observations on Herpes virus mammillitis of bovine animals. *Vet. Rec.* 79(25):810-811. Ref. Dec. 17, 1966. 41.8 V641
- 28655 SAHU, S., and RAO, S. V. A simple technique of patellar desmotomy in the bovine—stab method—remarks. *Indian Vet. J.* 43(9):845-848. Sept. 1966. 41.8 In2
- 28656 SAIZ MORENO, L. Staphylococcal mastitis, important factor in the sanitary control of milk. (Sp) *Veterinaria [Madrid]* 31(11):657-663. Nov. 1966. 41.8 V6429
- 28657 SAILI, G., and RAMONI, G. Cesarean section in the cow: observations and considerations in 161 cases. (It) *Veterinaria [Milano]* 15(3):150-157. Ref. May/June 1966. 41.8 V6499
English summary.
- 28658 SCHIPPER, I. A., GRAVES, D., and ANDERSON, A. Preliminary investigation on the application of intranasal oxytetrin in the cow. *Vet. Med. Small Anim. Clin.* 61(9):894-895. Sept. 1966. 41.8 M69
- 28659 SCHOU, J. A survey of retained placenta in the cow. (Da) *Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet.* 1965:85-100. Ref. 41.9 C792A
English summary.
- 28660 SCHULZE, P., WITTMANN, W., and GRALHEER, H. Electron microscope studies on the specificity of virus-like particles contained in the colostrum in bovine leukosis. *Acta Virol.* 10(5):467-470. Ref. Sept. 1966. 44.8 Ac85
- 28661 SCHVARC, F. Stimulation of the activity of myometrium in the disturbance of the uterine involution in cows after the parturition. (Cz) *Veterinarstvi* 16(8):343-346. 1966. 44.8 V6439
- 28662 SCOTT, F. W., COTTRAL, G. E., and GALLUNA, P. Presence of foot-and-mouth disease virus in the pituitary and central nervous system of experimentally infected cattle. *U. S. Livestock Sanit. Ass. Proc.*, 69th Annu. Meeting: 87-93. Ref. 1965, pub. 1966. 49.9 Un3R
- 28663 SCOTT, J. A. Vaccination in the control of vibriosis in beef cattle. *Norden News* 41(4):6-8. Fall 1966. 41.8 N75
- 28664 SEGALINI, E. Clinical observations on cattle poisoning by *Allium cepa*. (It) *Veterinaria [Milano]* 15(1):45-48. Jan./Feb. 1966. 41.8 V6499
- 28665 SENK, L., and BRGLEZ, J. Finding of hydatidosis *Echinococcus multilocularis* veterinarianum, in cattle. (Se) *Vet. Glas.* 20(6):429-432. Ref. 1966. 41.8 J93
English summary.
- 28666 SEVELA, T. Hairy heart. (Cz) *Veterinarstvi* 16(11):525. 1966. 41.8 V6439
Traumatic pericarditis in cattle.
- 28667 SHANNON, A. D., and LASCELLES, A. K. Changes in the concentration of lipids and some other constituents in the blood plasma of calves from birth to 6 months of age. *Australian J. Biol. Sci.* 19(5):831-839. Ref. Oct. 1966. 44.8 Au72
- 28668 SHEPHERD, G. R., and GURLEY, L. R. Disc electrophoresis of bovine thymus histones. *Compar. Biochem. Physiol.* 19(1):305-307. Sept. 1966. 44.8 C73
- 28669 SMINTZIS, G. Laboratory techniques applied for the diagnosis of bovine brucellosis. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(5):397-420. Ref. 1965. 41.9 L99
Discussion, p.465-474.
- 28670 SINGH, B., and MARSHALL, R. T. Effects of leucocyte degeneration on mastitis screening tests. *J. Milk Food Technol.* 29(11):333-335. Nov. 1966. 44.8 J824
- 28671 SIPKA, M., and others. Listeriosis of cows in Vojvodina. (Se) *Vet. Glas.* 20(5):349-352. Ref. 1966. 41.8 J93
S. Zakula, R. Perkucin, P. Markovic, and P. Zeremski, joint authors.
English summary.
- 28672 SLANINA, L., and KONRAD, V. On the evaluation of the results of the field and laboratory diagnosis of mastitis. (Cz) *Veterinarstvi* 16(7):298-301. 1966. 41.8 V6439
- 28673 SMITH, J. P., BELL, R. R., and TURK, R. D. Bisophene, a bovine anthelmintic. *Southwest. Vet.* 20(1):31-33. Fall 1966. 41.8 So82
Combination of phenothiazine and 2,2'-methylenebis (3,4,6-trichlorophenol) for stomach worms.
- 28674 SMITH, R. H., and MCALLAN, A. B. Binding of magnesium and calcium in the contents of the small intestine of the calf. *Brit. J. Nutr.* 20(4):703-718. Ref. 1966. 38.9 B773
- 28675 SOLIMAN, M. K., ZAKI, K., and SOLIMAN, F. A. Haematological changes following administration of the tranquillizer RO-4-0403 in Friesian cattle. *J. Vet. Sci. United Arab Repub.* 2(1):37-47. Ref. 1965. SF604.J6
Chlorprothixene.
- 28676 SRUBAR, V. A contribution to the study of the specific colostral immunity in calves of cows vaccinated against the foot-and-mouth disease. II. Demonstration of immunity by the protection test and the active formation of immunity in calves after the vaccination during the early postnatal period. (Cz) *Czech. Min. Zemedel. Lesnict. Hospodar. Ustav Vedeckotech. Inform.* *Vet. Med.* 39(9):551-558. Sept. 1966. 41.9 C333
English summary.
- 28677 ST. GEORGE, T. D., and FRENCH, E. L. Isolation of a bovine strain of Myxovirus para-influenza Type 3 in Australia. *Australian Vet. J.* 42(11):438-439. Nov. 1966. 41.8 Au72
- 28678 STEENKAMER, N. Salmonellosis in young calves. *New Zeal. Vet. J.* 14(10):176-177. Oct. 1966. 41.8 N483
- 28679 STEWART, W. E., HENNING, G. E., and NICOLA, J. H. Forestomach-bypass surgery procedure. *J. Dairy Sci.* 49(12):1543-1547. Dec. 1966. 44.8 J822
Esophageal-abomasal anastomosis in cattle and sheep.
- 28680 SUTHERLAND, C. An outbreak of lameness of dietary origin in growing calves. *Vet. Rec.* 79(19):541-542. Nov. 5, 1966. 41.8 V641

- 28681 SWARBRICK, O. The use of parenteral erythromycin in the treatment of bovine mastitis. *Vet. Rec.* 79(18):508-512. Ref. Oct.29,1966. 41.8 V641
- 28682 SWARBRICK, O. The use of parenteral erythromycin in the treatment of bovine mastitis. *Vet. Rec.* 79(18):508-512. Ref. Oct.29,1966. 41.8 V641
- 28683 TARASOV, V. R. Bolezni soscov i ikh lechenie u korov [Teat diseases and their treatment in cows]. Moskva, Kolos, 1965. 94 p. Ref. SF967.U3T3
- 28684 TARKIEWICZ, S., and GLAZER, T. Influence of experimental insufflation of the udder in cows on the content of calcium, inorganic phosphorus, and magnesium, on the activity of alkaline phosphatase, and on the coefficients Ca/P and Ca/Mg in blood serum. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. *Ann. Sect. DD.* 20:221-232. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 28685 TARKIEWICZ, S. Total protein, protein fractions and total cholesterol in blood serum of cows after experimental insufflation of the udder. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. *Ann. Sect. DD.* 20:233-242. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 28686 THIBAUT, C. In vitro culture of cow ova. (Fr) *Ann. Biol. Anim. Biophys.* 6(2):169-164. Ref. 1966. 442.8 An75
English summary.
- 28687 THOMAS, M. Etude de quelques syndromes oedemateux chez les grandes femelles domestiques: essais de traitement par un nouveau salidiuretique, l'hydrochlorothiazide [Study of some edematous syndromes in large domestic females: trials for treatment with a new salidiuretic, the hydrochlorothiazide]. Alfort. Ecole Nat. Vet. These 48,68 p. Ref. 1966. 41.2 AL23
Chiefly cows and mares.
- 28688 THORNE, H. Liver flukes of our domestic animals. (Sw) *Vastmanlands Lans Husall-ningsallsk. Tidskr.* 4:8-9. 1965. 11 V44T
Fasciola hepatica and *Dicrocoelium lanceolat-um* in cattle and sheep.
- 28689 TORRES MORENO, A. The bovine mammary system and its function. (Sp) *Gen. Vet.* 27 (180):298-315; (181):358-369; (182):388-400. (Concl.) Ref. July-Sept. 1965. 41.8 G112
Anatomy, care, and the mastitis question.
- 28690 TROELSEN, J. E. Pelleting of chromic oxide paper for administration to cattle and sheep. *Can. J. Anim. Sci.* 46(3):226-277. Ref. Dec. 1966. 41.8 C163
- 28691 TSUTSUMI, Y., and HAFEZ, E. S. E. Vascular architecture of the placenta in the cow and rabbit. *Cornell Vet.* 56(4):527-543. Ref. Oct. 1966. 41.8 C81
- 28692 TURNER, A. J. A survey of dairy cattle in south-western Victoria showing their serological status for *Brucella abortus* agglutinins. *Australian Vet. J.* 42(11):420-424. Nov. 1966. 41.8 Au72
- 28693 VACIRCA, G., and BOCCADORO, B. Clinicoradiological contribution to the study of congenital cardiopathy in cattle. (It) *Veterinaria [Milano]* 14(6):395-408. Sept./Oct. 1965. 41.8 V6499
- 28694 VAN PELT, R. W., and CONNER, G. H. Pathologic findings associated with idiopathic arthritides in cattle. *Amer. Vet. Med. Ass. J.* 149(10):1283-1290. Ref. Nov. 15, 1966. 41.8 Am3
- 28695 VAN RHEENEN, D. L., and SEEKLES, L. Quantitative determination of urinary indoxyl sulphate (indican) and the total content of basic compounds in the faeces of cattle in relation to hypomagnesaemia. *Nature* 212(5067):1269-1270. Ref. Dec. 10, 1966. 472 N21
- 28696 VIALIER, J., and CAYRE, R. M. Perennial characteristics for identification of the bovine tuberculosis bacillus. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):203-206. 1966. 41.9 L99
Mycobacterium tuberculosis bovis.
- 28697 VLCEK, Z. Current state of the knowledge of the relation between infections and reproduction in cattle. (Cz) *Veterinarstvi* 16(8):350-353. 1966. 41.8 V6439
- 28698 VLCEK, Z. Etiological studies of the purulent endometritis and pyometra of cattle. (Cz) *Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(7):455-460. July 1966. 41.9 C333
English summary.
- 28699 VOVK, I. N. Effect of administration of insulin and glucose on conversion of hexose phosphate by hemolysates of cattle erythrocytes. (Ukr) *Akad. Nauk Ukr. RSR. Dopovidi* 9:1182-1185. 1966. 511 K54
English summary.
- 28700 WALZL, H., HUNYADY, G., and RADU, N. Gamma globulin therapy of domestic animals. (Ge) *Wien. Tierarztl. Monatsschr.* 53(9):571-586. Ref. Sept. 1966. 41.8 T345
English summary.
Infectious diseases of calves.
- 28701 WHENHAM, G. R. Physiology of reproduction. *Feed Indus. Conf. Proc.*, 5th Annu. Conf.:3-5. 1965. 389.79 F325
With reference to cattle.
- 28702 WIESMANN, E. Two cases of the surgical removal of broken-off insemination pipettes from the uterus. (Ge) *Monatsh. Veterinarmed.* 21 (15):590-591. Aug. 1, 1966. 41.8 M742
English summary.
Cattle.
- 28703 WITZEL, D., GEDES, L. A., and MCFARLANE, J. Electrical ventricular defibrillation in the calf. *Southwest. Vet.* 20(1):25-30. Ref. Fall 1966. 41.8 S082
- 28704 WORLEY, D. E., and SHARMAN, G. A. M. Gastritis associated with *Ostertagia bisonis* in Montana range cattle. *Amer. Vet. Med. Ass. J.* 149(10):1291-1294. Ref. Nov. 15, 1966. 41.8 Am3
- 28705 ZAHARIJA, I. Etiology of leptospirosis in cattle. (Se) *Vet. Glas.* 20(6):423-427. Ref. 1966. 41.8 J93
English summary.
- 28706 ZAHOR, Z., PROKS, C., and VITOVEC, J. The occurrence of eggs of the liver fluke *Fascioloides magna* Bassi, 1875 and fascioloid changes in the liver of cattle. (Cz) *Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(6):397-402. Ref. June 1966. 41.9 C333
English summary.
- 28707 ZAJICEK, D., and KOZDON, O. Nematodiasis, an important verminosis of cattle. (Cz) *Veterinarstvi* 16(10):444-446. 1966. 41.8 V6439
- 28708 ZARKOWER, A., and NORCROSS, N. L. Aspects of hypersensitivity in *Streptococcus agalactiae* infection in the cow. *Cornell Vet.* 56(4):566-587. Ref. Oct. 1966. 41.8 C81
- 28709 ZARKOWER, A., and NORCROSS, N. L. Histological changes in the bovine mammary gland after infusion with *Streptococcus agalactiae* extract. *Cornell Vet.* 56(4):555-566. Ref. Oct. 1966. 41.8 C81
- 28710 ZHDANOV, V. M., and others. Synthesis of DNA and protein in cells infected with vaccinia virus. *Nature* 212(5062):623-624. Nov. 5, 1966. 472 N21
I. A. Kozlova, L. A. Melnikova, and O. P. Peterson, joint authors.
- 28711 ZIMBELMAN, R. G., and SMITH, L. W. Control of ovulation in cattle with melengestrol. II. Effects on follicular size and activity. *J. Reprod. Fertil.* 11(2):193-201. Apr. 1966. 442.8 J8222
- 28712 ZIMBELMAN, R. G., and SMITH, L. W. Control of ovulation in cattle with melengestrol acetate. I. Effect of dosage and route of administration. *J. Reprod. Fertil.* 11(2):185-191. Ref. Apr. 1966. 442.8 J8222

Miscellaneous

- 28713 ANDERSEN, T. Electronic data processing of the milk recording work. (Da) *Dansk Landbrug* 85(12):345-346. Dec. 1966. 280.28 V91

- 25714 ANDERSON, E. D. Hot weather cow comfort means extra dollars for the dairyman. *Dairy Herd Manage.* 2(4):10-11. May 1966. SF191.D3
- 25715 BARNETT, L. G. Identification of dairy cattle. *Dairy Top.* 11(3):7-9. May/June 1966. 44.8 D1444
- 25716 BEDETTI, G. Cattle raising in lower Ferrara. (It) *Agr. Ferrarese* 70(6):109-117. June 30, 1966. 16 Ag87
- 25717 BOUISOSSOU, M. F. Observations about social hierarchy in bovine. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):327-339. Ref. 1965. 442.8 An75
English summary.
- 25718 CALIFORNIA CATTLEMEN'S ASSOCIATION. 50 years of progress: 1917-1966. *Calif. Cattleman* 49(11):14-16, 18, 20, 22, 24-26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58-60. Nov. 1966. 43.8 C12
- 25719 CHAMBERLAIN, A. R. Mama [Colorado State University Holstein cow], a symbol of agricultural development and challenge. *Colo. Farm Home Res.* 17(1):3-5, 10. Fall 1966. 100 C712Co
Milk production record, a symbol of agricultural research.
- 25720 COX, D. Progress through performance records. *J. Range Manage.* 18(5):287-289. Sept. 1965. 60.18 J82
Beef cattle.
- 25721 CURRIE, P. O. Marking cows with human hair dye. *J. Range Manage.* 19(5):306-307. Sept. 1966. 60.18 J82
- 25722 DECKER, R. B. How to build up your dairy herd. (Sp) *Agr. Amer.* 15(8):61-62. Aug. 1966. 58.8 Ag832
- 25723 FEE, L. J. Modoc County cattle history. *Calif. Cattleman* 49(12):4-8, 12-13, map. Dec. 1966. 43.8 C12
- 25724 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Hygienic milk production. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 416, rev., 3 p. Sept. 1966. 10 G79La
Milk and equipment sanitation.
- 25725 HINER, R. L. Slaughtering, cutting, and processing beef on the farm. U. S. D. A. Farmers' Bull. 2209, slightly rev., 32 p. Dec. 1966. 1 Ag84F
- 25726 KINT, G. Dairy-butter control in 1965. (Fr) *Rev. Agr. [Brussels]* 19(9):997-1016. Sept. 1966. 13 R322
Cattle recording.
- 25727 KOUBEK, K., and STODOLA, J. The effect of the length of the first control period on milk production during normal lactation calculated according to the KHT [Kwizda-Hopler-Teufelhart] method. (Ge) *Arch. Tierzucht* 9(5):381-398. Ref. 1966. 49 Ar23
English summary.
- 25728 LINNERUD, A. C., and others. Lactation studies. X. Total daily production as affected by number of times milked, number of times stimulated, and method of stimulation. *J. Dairy Sci.* 49(12):1529-1532. Dec. 1966. 44.8 J822
E. V. Caruolo, G. E. Miller, G. D. Marx, and J. D. Donker, joint authors.
- 25729 LOZANO, M. J. How to produce quality milk. (Sp) *Agr. Amer.* 15(4):48-49, 52-54, 73. Apr. 1966. 58.8 Ag832
A pilot farm in El Salvador.
- 25730 MEAD, S. W., and RONNING, M. Why raise your own calves? II. The first weeks. (Sp) *Agr. Amer.* 15(5):48, 50-51. May 1966. 58.8 Ag832
- 25731 MITCHELL, H. Range cow-calf management. *Feed Indus. Conf. Proc., 5th Annu. Conf.* 14-16. 1965. 389.79 F325
Canada.
- 25732 MONTEMURRO, O., and CIANCI, D. The influence of climate on the animal and its production. (It) *Bari Univ. Fac. Agr. Ann.* 19:269-305. Ref. p. 303-305. 105.4 B232
English summary.
Effects of heat on Italian Friesian cattle.
- 25733 PARKHIE, M. R., GILMORE, L. O., and FECHHEIMER, N. S. Effect of successive lactations, gestation, and season of calving on constituents of cows' milk. *J. Dairy Sci.* 49(11):1410-1415. Ref. Nov. 1966. 44.8 J822
- 25734 RINDER; Zucht Haltung, Fütterung [Cattle; breeding, rearing, feeding], edited by H. G. Zschommler. Ed. 2, rev. and enl. 552 p. SF201.R5
Bibliography, p. 534-541.
Translation from *Chov Hovazieho Dobytka*.
- 25735 RITTER, W. Influence of management and feeding of cattle on the vitamin content of milk (Fr) *Schweiz. Milchzeitung* 92(97):776-777. (Cont.) Dec. 6, 1966. 44.8 Sch92
- 25736 RITTER, W. Influence of management and feeding of cattle on the vitamin content of milk. (Fr) *Schweiz. Milchzeitung* 92(99):791-792. (Cont.) Dec. 13, 1966. 44.8 Sch92
- 25737 ROOS, A. English milk recording activities. (Sw) *Svensk Husdjurskotsel* Ladugard. 12:391-393. Dec. 1965. 44.8 L12
- 25738 ROOS, A. Milk recording makes progress. (Sw) *Var Naring* 42(11):303. 1965. 44.8 M692
- 25739 SCHOLZ, F. Milk production and milk production tests. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81 (45):1653-1654. Nov. 10, 1966. 18 N39
- 25740 SCHOLZ, F. Through control to higher milk production. (Ge) *Übersicht* 17(8):620-622. Aug. 13, 1966. 18 Ub3
- 25741 SCHOLZ, H. Long-term development of milk production per cow. (Ge) *Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)* 44(2):259-269. Ref. 1966. 18 G31
Development since 1890 and projection to 1975.
- 25742 SCHUSTER, J. L., and ALBIN, R. C. Drylot wintering of range cows—adaptation to the ranching operation. *J. Range Manage.* 19(5):263-268. Sept. 1966. 60.18 J82
- 25743 SMITH, E. M. El Dorado County cattle story. *Calif. Cattleman* 49(12):16-17. Dec. 1966. 43.8 C12
- 25744 STULL, J. W., and others. Fatty acid composition of milk. III. Variation with stage of lactation. *J. Dairy Sci.* 49(11):1401-1405. Ref. Nov. 1966. 44.8 J822
W. H. Brown, C. Valdez, and H. Tucker, joint authors.
- 25745 SZYFELBEIN, E., MASLOWSKA, I., and KARAS, J. The zootechnical evaluation of prototype herds, feed supply and dairying on the State Farm in Witowiczki. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:165-188. 1965. 49.9 W26
English summary.
- 25746 WRIGHT, W. Recollections of the history of the Nevada State Cattle Association. *Calif. Cattleman* 49(11):73, 76-77. Nov. 1966. 43.8 C12

DOGS AND CATS

Breeds and Breeding

- 25747 ADAMS, S. S., and COX, E. M. Establishing a cat breeding colony. *Inst. Anim. Tech. J.* 17(3):97-102. Sept. 1966. QL55.15
- 25748 HARROP, A. E. The infertile male dog. *J. Small Anim. Pract.* 7(11):723-725. Nov. 1966. 41.8 J8292
- 25749 LAMOTTE, J. H. L., and SHORT, D. J. The breeding and management of cats under laboratory conditions. *Inst. Anim. Tech. J.* 17(3):85-96. Sept. 1966. QL55.15
- 25750 O'GRADY, D., and CLARKE, R. Some observations on a cat breeding unit. *Inst. Anim. Tech. J.* 17(2):41-46. June 1966. QL55.15

Feeds and Feeding

- 25751 HILLIARD, W. G., OLIVER, W. T., and VAN PETTEN, G. R. Long-term effects of feeding irradiated onion to dogs. *Food Cosmet. Toxicol.* 4(6):577-583. Dec. 1966. 391.8 P73
Toxicity.

Veterinary Medicine

- 28752 ALTERA, K. P., and BONASCH, H. Periarthritis nodosa in a cat. *Amer. Vet. Med. Ass. J.* 149(10):1307-1311. Ref. Nov.15,1966. 41.8 Am3
- 28753 ARBEITER, K., and SZEKELY, H. Investigations on the serum glutamic-oxalacetic transaminase in the bitch following normal parturition, cesarean section and in puerperium. I-II. (Ge) *Wien. Tierarztl. Monatsschr.* 53(11):737-739. Nov.1966. 41.8 T345
English summary.
- 28754 ATHERTON, D. R., and STÖVER, B. J. Soft tissue retention of strontium-90 in the Beagle. *Nature [London]* 212(5063):703-704. Nov.12, 1966. 472 N21
- 28755 AXELSON, R. D., SECORD, A. C., and WEBER, L. G. Unusual anatomical findings in a canine hermaphrodite. *Can. Vet. J.* 7(8):180-181. Aug.1966. 41.8 R3224
- 28756 BAKER, J. A., and others. Response to measles virus by puppies with maternally transferred distemper antibodies. *Cornell Vet.* 56(4):588-594. Oct.1966. 41.8 C81
B. E. Sheffy, D. S. Robson, and J. Gilmartin, joint authors.
- 28757 BARDENS, J. W. Treatment of anestrus in the dog. *Southern Vet.* 3(4):10-11. Apr.1966. 41.8 So83
- 28759 BARONE, R., LOMBARD, M., and MORAND, M. Jacobson's organ, vomeronasal nerve, and terminal nerve of the dog. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):257-270. Ref. 1966. 41.9 L99
- 28759 BOHN, F. K. Findings in de- and re-compensation of heart in dogs. (Ge) *Berliner Münchener Tierarztl. Wochenschr.* 79(23):464-466. Dec.1,1966. 41.8 B45
English summary.
- 28760 BOSGRA, O. Recent developments in the immunisation of dogs against canine distemper. *Vet. Rec.* 79(24):739-746. Ref. Dec.10,1966. 41.8 V641
Includes discussion.
- 28761 BRITISH VETERINARY ASSOCIATION. SMALL ANIMALS COMMITTEE. Vaccination against canine distemper. *Vet. Rec.* 79(22):654-656. Ref. Nov.26,1966. 41.8 V641
- 28762 BRODEY, R. S., and FIDLER, I. J. Clinical and pathologic findings in bitches treated with progestational compounds. *Amer. Vet. Med. Ass. J.* 149(11):1406-1415. Ref. Dec.1,1966. 41.8 Am3
- 28763 BRODEY, R. S., FIDLER, I. J., and HOWSON, A. E. The relationship of estrous irregularity, pseudopregnancy, and pregnancy to the development of canine mammary neoplasms. *Amer. Vet. Med. Ass. J.* 149(8):1047-1049. Ref. Oct.15,1966. 41.8 Am3
- 28764 BUCHANAN, J. W., BAKER, G. J., and HILL, J. D. Aortic embolism in cats: prevalence, surgical treatment and electrocardiography. *Vet. Rec.* 79(18):496-506. Ref. Oct.29,1966. 41.8 V641
- 28765 CALLANAN, C. J. Hip or acetabular dysplasia. *Roy. Army Vet. Corps. J.* 37(1):20. Spring 1966. 41.8 G79
In dogs.
- 28766 CALVARI, A. R. On late imperfect osteogenesis (osteosapathrosis of Lobstein): observations in some cases in the dog. (It) *Veterinaria [Milano]* 15(4):240-255. Ref. July/Aug. 1966. 41.8 V6499
English summary.
- 28767 CAMPANA, G. Hypertrophy of the prostate. (It) *Veterinaria [Milano]* 14(5):414-419. Sept./Oct.1965. 41.8 V6499
In the dog.
- 28769 CAMPBELL, J. R. Localized haemorrhagic cystitis: a report of two cases. *J. Small Anim. Pract.* 7(10):643-647. Oct.1966. 41.8 J8292
In dogs-Boxer and Bloodhound females; includes surgery.
- 28769 CARSON, C. A. Subleukemic lymphoblastic leukemia in a dog. *Mod. Vet. Pract.* 47(14):76, 79-80. Dec.1966. 41.8 N812
- 28770 CAZIEUX, M. A. Certain consideration on the surgical pathology of the rotula of dog and justified interventions. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(6):527-537. 1965. 41.9 L99
German summary.
Includes discussion.
- 28771 COULON, J. Pathology of crossed ligaments of the dog. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(6):509-524. 1965. 41.9 L99
German summary.
- 28772 CULLINGHAM, T. J., and FROGLEY, J. L. The care of coronary catheters in dogs. *Inst. Anim. Tech. J.* 17(5):106-108. Sept.1966. 41.8 V641
In the artery.
- 28773 DUBEY, J. P. *Toxocara cati* and other intestinal parasites of cats. *Vet. Rec.* 79(18):506-508. Ref. Oct.29,1966. 41.8 V641
- 28774 EDGAR, R. K., and KON, P. M. A foreign body in the naso-pharynx of the dog. *Vet. Rec.* 79(23):669-670. Dec.3,1966. 41.8 V641
- 28775 FELKAI, F. Hermaphroditismus testicularis bilateralis complicated with dysgerminoma and metritis in dog. (Hu) *Magyar Allatorv. Lapja* 21(11):518-521. Nov.1966. 41.8 V644
English summary.
- 28776 FELLNER, F., and KARSAI, F. On the occurrences of hip joint dysplasia of dog in Hungary. (Ge) *Acta Vet. [Budapest]* 16(3):309-319. Ref. 1966. 41.8 Ac83
- 28777 FICUS, H. J. A contribution to the problem of mastocytomas of dog in northwest Germany. (Ge) *Kleintier-Praxis* 11(6):175-178. Sept. 1966. 41.8 K67
- 28778 FIDLER, I. J., and others. Relationship of estrous irregularity, pseudopregnancy, and pregnancy to canine pyometra. *Amer. Vet. Med. Ass. J.* 149(8):1043-1046. Ref. Oct.15, 1966. 41.8 Am3
R. S. Brodey, A. E. Howson, and D. Cohen, joint authors.
- 28779 FLORIO, R., and others. About the blood transaminases in the dog. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):209-219. Ref. 1966. 41.9 L99
M. Lapras, G. van Haverbeke, and J. L. Coll, joint authors.
Includes discussion.
- 28780 GILMORE, C. E. Analysis of fluid as an aid to the diagnosis of intrathoracic and intra-abdominal lesions. *Amer. Vet. Med. Ass. J.* 149(12):1769-1772. Dec.15,1966. 41.8 Am3
In dogs and cats.
- 28781 GOBY, C. H., and CHAMBERS, A. R. Simultaneous bilateral femoral head osteotomy. *Vet. Med./ Small Anim. Clin.* 61(9):876-877. Sept. 1966. 41.8 M69
Case of a dog.
- 28782 HAGER, G. The structure of iris of dogs and cats with reference to its function. (Ge) *Wien. Tierarztl. Monatsschr.* 53(11):715-724. Ref. Nov.1966. 41.8 T345
English summary.
- 28783 HENRICSON, B., NORBERG, I., and OLSSON, S. E. On the etiology and pathogenesis of hip dysplasia: a comparative review. *J. Small Anim. Pract.* 7(11):673-688. Ref. Nov.1966. 41.8 J8292
In the dog.
- 28784 HOLZINGER, E. A., and GRIESEMER, R. A. Effects of reovirus, type 1, on germ free and disease free dogs. *Amer. J. Epidemiol.* 84(3):426-430. Ref. Nov.1966. 449.8 Am3
- 28785 HOOVER, G. C. Dirofilariasis; chemotherapeutic treatment & surgical intervention. *Mo. Vet.* 15(3):10-12. Ref. June 1966. 41.8 V6444
In the dog; includes Anopheles as intermediate hosts.
- 28786 HOTTENDORF, G. H., NIELSEN, S. W., and KERN, A. J. Plasma mast cells. *Nature* 212(5064):829-830. Ref. Nov.19,1966. 472 N21
Of dogs.

- 28787 HROMATKA, L., KUTZER, E., and STETTNER, W. Experiment with the tapeworm anelminthic Scolaban[®] in dog. (Ge) Wien. Tierarztl. Monatsschr. 53(9):616-617. Sept. 1966. 41.8 T345
English summary.
- 28788 ISHMAEL, J., and UDALL, N. D. A case of aortic thrombosis in the dog. Vet. Rec. 79(20): 570-571. Ref. Nov. 12, 1966. 41.8 V641
- 28789 JOHNSON, R. H., and CRUICKSHANK, J. G. Problems in classification of feline panleucopenia virus. Nature 212(5062):622-623. Nov. 5, 1966. 472 N21
- 28790 JOUBERT, L., and others. Enzootic salmonellosis: Salmonella typhimurium of laboratory puppy. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(1): 69-81. Ref. 1966. 41.9 L99
J. Oudar, G. van Haverbeke, and P. Desmetre, joint authors.
- 28791 KADZIOLKA, A. Pathomorphological and histochemical investigations on spontaneous arteriosclerosis in dogs. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD. 20: 191-205. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 28792 KAMMERMANN-LUSCHER, B. Blood basophile leukosis in dogs and tissue basophile reticulosis in cats. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(23):459-464. Ref. Dec. 1, 1966. 41.8 B45
English summary.
- 28793 KARBE, E., and NIELSEN, S. W. Canine ranulas, salivary mucocoeles and branchial cysts. J. Small Anim. Pract. 7(10):625-630. Ref. Oct. 1966. 41.8 J8292
- 28794 KAUFMANN, A. F. Pets and Salmonella infection. Amer. Vet. Med. Ass. J. 149(12):1655-1661. Ref. Dec. 15, 1966. 41.8 Am3
Chiefly dogs and cats; transmission to man.
- 28795 KNECHT, C. D., and SCHILLER, A. G. Prostatectomy in the dog by incision of the pelvic symphysis. Amer. Vet. Med. Ass. J. 149(9): 1186-1191. Ref. Nov. 1, 1966. 41.8 Am3
- 28796 KNECHT, C. D. A symphyseal approach to pelvic surgery in the dog. Amer. Vet. Med. Ass. J. 149(12):1729-1734. Dec. 15, 1966. 41.8 Am3
- 28797 KNEEN, J. E. An unusual dystocia in the bitch. Vet. Rec. 79(14):399. Oct. 1, 1966. 41.8 V641
- 28798 KNOWLES, J. O. Provocative exposure for the diagnosis and treatment of certain canine allergies. Amer. Vet. Med. Ass. J. 149(10): 1303-1306. Ref. Nov. 15, 1966. 41.8 Am3
- 28799 KOPROWSKI, J., GRZEGORZAK, B., and GRABINSKI, J. Eczema in dogs caused by diseases of liver and kidneys and its treatment. (Pol) Med. Weter. 22(7):395-398. Ref. July 1966. 41.8 M463
English summary.
- 28800 LANGLEY, F. M. S. Vascular anomaly in a five year old Terrier. Southwest. Vet. 20(1): 55-57. Fall 1966. 41.8 S082
- 28801 LEONARDI, L. On a case of spontaneous unilateral pneumothorax of tubercular origin in the cat. (It) Veterinaria [Milano] 14(6):480-489. Ref. Nov./Dec. 1965. 41.8 V6499
English summary.
- 28802 LEONARDI, L., and CALVARI, A. R. Osteophytic and syndesmophytic spondylopathy in the dog: views on etiopathogenesis and radiologic symptomatology. I-II. (It) Clin. Vet. 89 (8):240-248; (9):265-281. Ref. Aug.-Sept. 1966. 41.8 C61
- 28803 LEONARDI, L. Pelvic angiography retrograde: radiographic picture of the dog. (It) Veterinaria [Milano] 14(4):299-305. Ref. July/Aug. 1965. 41.8 V6499
English summary.
- 28804 LETTOW, E., DAMMRICH, K., and TRAUTVETTER, E. Spontaneous cataracta tetanica in a dog. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(23):445-449. Ref. Dec. 1, 1966. 41.8 B45
English summary.
- 28805 LJUNGGREN, G., and others. Four cases of congenital malformation of the heart in a litter of eleven dogs. J. Small Anim. Pract. 7(10): 611-623. Ref. Oct. 1966. 41.8 J8292
O. Nilsson, S. E. Olsson, P. Pennock, S. Persson, and H. Sateri, joint authors.
- 28806 LOUBSER, J. S., and others. A technique for thoracic duct-portal vein anastomosis in the dog. Onderstepoort J. Vet. Res. 33(1):239-241. June 1966. 41.8 On1
B. J. Meyer, C. R. Jansen, J. B. Fichardt, and J. S. Le Roux, joint authors.
- 28807 MALHERBE, W. D. Clinicopathological studies of Babesia canis infection in dogs. V. The influence of the infection on kidney function. S. Afr. Vet. Med. Ass. J. 37(3):261-264. Ref. Sept. 1966. 41.8 S08
- 28808 MANN, G. E., and STRATTON, J. Dermoid sinus in the Rhodesian Ridgeback. J. Small Anim. Pract. 7(10):631-642. Ref. Oct. 1966. 41.8 J8292
A congenital malformation in the spinal area.
- 28809 MANN, P. H., and BJOTVEDT, G. Transplant of adult worms of Dirofilaria immitis into the peritoneal cavity of dogs and rabbits. (It) Arch. Vet. Ital. 17(5):361-364. Oct. 31, 1966. 41.8 Ar25
English summary.
- 28810 MANN, P. H., and BJOTVEDT, G. Unilateral renal dysgenesis in a mongrel dog. Can. J. Comp. Med. Vet. Sci. 30(11):301-303. Ref. Nov. 1966. 41.8 C162
- 28811 MANZIANO, C. F., and MANZIANO, J. R. Perineal urethrostomy for relief of urethral blockage in the male cat. Amer. Vet. Med. Ass. J. 149(10):1312-1316. Nov. 15, 1966. 41.8 Am3
- 28812 MARCATO, P. S. A case of Hodgkin's disease associated with cryptococcosis in a dog. J. Small Anim. Pract. 7(10):649-650. Oct. 1966. 41.8 J8292
- 28813 MARSHALL, W. S., and HAYES, M. J. An unusual congenital abnormality in a dog. Vet. Rec. 79(17):483-484. Oct. 22, 1966. 41.8 V641
Of the intestines.
- 28814 MATTEUCCI, G. Ascariasis of the dog and cat and relative lesions of "larva migrans" in man. (It) Veterinaria [Milano] 15(4):205-216. Ref. July/Aug. 1966. 41.8 V6499
- 28815 MCERLEAN, B. A. Undulating fever, posterior paresis and arthritis in a dog apparently due to brucellosis. Vet. Rec. 79(20):567-569. Ref. Nov. 12, 1966. 41.8 V641
- 28816 MODERN VETERINARY PRACTICE. Our panel reports: How do you determine the cause of a persistent nonproductive cough in an adult dog, and how do you treat such cases? How do you handle clients who are convinced that a bone lodged in the throat is the cause of the cough? Mod. Vet. Pract. 47(14):63-64, 66-67. Dec. 1966. 41.8 N812
Panel members: J. F. Kandi, G. B. Gibbons, O. F. Fischer, L. S. Parris, D. L. Hohmann, O. A. Warner, and S. Fellenbaum.
- 28817 MORGAN, H. C. Canine blood parasites: filariasis. IX. Vet. Med./ Small Anim. Clin. 61 (9):829-830, 835-836, 839-841. Ref. Sept. 1966. 41.8 M69
Diagnosis.
- 28818 MOSER, J. E. Dermatoses related to endocrine imbalance in the canine. Iowa Vet. 37(5):7-10. Sept./Oct. 1966. 41.8 Io9
- 28819 MULLER, L. F. Diagnosis of kidney diseases of dog. (Ge) Wien. Tierarztl. Monatsschr. 53 (11):740-749. Ref. Nov. 1966. 41.8 T345
- 28820 NAGLE, F. J. Local responses of skeletal muscle and skin vascular beds in exercise in the dog hindlimb. Diss. Abstr., Sect. B, 27(4): 1272B. Oct. 1966. Z5055, U49D53
- 28821 NIEMEYER, K. H. Diagnosis and treatment of poisoning in dogs. Amer. Vet. Med. Ass. J. 149(12):1726-1728. Dec. 15, 1966. 41.8 Am3

- 28822 O'BRIEN, J. J. Halothane as a complete anaesthetic in the dog. *Vet. Rec.* 79(19):526-529. Ref. Nov.5,1966. 41.8 V641
- 28823 OETTEL, M., and RITTENBACH, P. Calcification of the adrenal gland in the domestic cat. (Ge) (Condensed.) *Wien. Tierarztl. Monatsschr.* 53(10):643-653. Ref. Oct.1966. 41.8 T345
English summary.
- 28824 OPTIZ, M. Nephrotic syndrome in dogs. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(22):425-429. Ref. Nov.15,1966. 41.8 B45
English summary.
- 28825 ORSTADIUS, K., and DAHLBERG, G. Therapy based upon bacteriological analysis in urinary infections in dogs. (Sw) *Nord. Veterinaarmed.* 18(11):497-503. Nov.1966. 41.8 N813
English summary.
Cystitis, prostatitis and urinary calculi.
- 28826 PAATSAMA, S., RISSANEN, P., and ROKKANEN, P. Skin arthroplasty in the canine hip joint. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(6):561-563. 1965. 41.9 L99
- 28827 PAGANI, G. L. Panleukopenia in the cat. (It) *Veterinaria [Milano]* 15(5):292-303. Ref. Sept./Oct.1966. 41.8 V6499
English summary.
- 28828 PANEL ON APPLICATION OF CANINE DISTEMPER IMMUNIZATION. [Papers]. *Amer. Vet. Med. Ass. J.* 149(12):1761-1766. Dec.15, 1966. 41.8 Am3
Application of canine distemper immunization by the practitioner, by R. B. McClelland; Recommended guidelines for distemper immunization, by R. L. Ott; Features of immunity for canine distemper, by J. H. Gillespie.
- 28829 PEARSON, P. T. Coxofemoral luxations in the dog. *Southern Vet.* 3(1):10-12. Ref. Jan.1966. 41.8 So83
- 28830 PINTEA, V., and CRISTEA, N. The effect of interoceptive reflexes to acetylcholine on functional disorders of heart. (Ge) *Arch. Vet.* 1(2):125-130. 1966. 41.8 Ar27
English summary.
Dogs.
- 28831 PRIER, J. E. Chromosome pattern of canine transmissible sarcoma cells in culture. *Nature [London]* 212(5063):724-726. Nov.12,1966. 472 N21
- 28832 PRYDIE, J., BATTY, I., and WALKER, P. D. Lack of interference in tissue culture between the viruses of canine distemper and infectious canine hepatitis as demonstrated by immunofluorescence. *Vet. Rec.* 79(13):354-356. Ref. Sept.24,1966. 41.8 V641
- 28833 PRYDIE, J. Viral diseases of cats. *Vet. Rec.* 79(24):729-738. Ref. Dec.10,1966. 41.8 V641
Includes discussion.
- 28834 PUISSEGUR, J. A. Dermo-jet, the pressure injector without a needle. (Sp) *Gac. Vet.* 27(179):260-270. June 1965. 41.8 G112
Tests with apomorphine and arecoline on dogs.
- 28835 PYTASZ, M., TYBURCZYK, M., and MADEJ, E. Renal function after administration of adrenalin, studied by the stop-flow method. (Pol) *Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:1-10. Ref. 1965, pub.1966. 512 L96Ad
English summary.
In dogs.
- 28836 RAI, P., and PANDE, B. P. On the metacercaria of the common liver fluke of Indian domestic carnivores, *Opisthorchis caninus*, and its experimental infection in guinea pig. *Z. Parasitenk.* 26(1):18-23. 1965. 442.8 Z33F
- 28837 REINOSO DE COLUMNA, A. S. Contribution to the study of lung tumors in the dog. (Fr) *Ann. Med. Vet.* 110(5):364-380. Ref. July 1966. 41.8 An78
English summary.
- 28838 RIDDLE, R. B. Gastrointestinal adenocarcinoma in a 2 1/2 year old dog. *Southwest. Vet.* 20(1):59-61. Fall 1966. 41.8 So82
- 28839 ROUSE, B. T., and WILSON, M. R. A case of hypoglycaemia in a dog associated with neoplasia of the pancreas. *Vet. Rec.* 79(16):454-456. Ref. Oct.15,1966. 41.8 V641
- 28840 SARMIENTO, H. A. DE, and CEBALLOS, S. Clinical experiences with a new muscle relaxant for small animals. (Sp) *Gac. Vet.* 27(179):252-257. June 1965. 41.8 G112
Dogs treated with Paraflex for Carre's disease.
- 28841 SCHANTZ, B. Chronic valvular endocarditis of dog; diagnosis and treatment. (Sw) *Svensk Veterinartidn.* 18(23):672-676. Dec.1966. 41.9 Sv23
- 28842 SCHMIDTKE, D., and SCHMIDTKE, H. O. Behavioral disturbance in solid color Cocker Spaniel. (Ge) *Kleintier-Praxis* 11(6):180-182. Sept.1966. 41.8 K67
- 28843 SCHUTTE, A. P. Pyometra complex; clinical summary. (At) *S. Afr. Vet. Med. Ass. J.* 37(3):353-363. Ref. Sept.1966. 41.8 So8
English summary.
Chiefly in dogs.
- 28844 SEVESTRE, J. Radiological study of metaphysis lesions of the stifle joint in the dog. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 67(6):541-547. 1965. 41.9 L99
Includes discussion.
- 28845 SMITH, J. E. A comparison of pulmonary arteriotomy and ventricular puncture for the surgical removal of adult heartworms. *Southern Vet.* 3(7):12-16. Ref. July 1966. 41.8 So83
Dogs.
- 28846 SODIKOFF, C. H. Use of adrenal cortical steroids in metabolic, neoplastic, and infectious diseases. *Amer. Vet. Med. Ass. J.* 149(12):1735-1740. Ref. Dec.15,1966. 41.8 Am3
Chiefly in dogs and cats.
- 28847 SOIFER, F. K. Parasites of the dog and cat transmissible to man. *Tex. Vet. Med. J.* 28(5):6,23. Sept./Oct.1966. 41.8 T31
- 28848 SYMPOSIUM ON MAMMARY NEOPLASIA IN THE DOG AND CAT. [Papers]. I-III. *J. Small Anim. Pract.* 7(11):689-710. Ref. Nov.1966. 41.8 J8292
The anatomy of the mammary gland of the dog and cat, by I. A. Silver; Clinico-pathological aspects of mammary tumours in the dog and cat, by L. J. Anderson and W. F. Jarrett; Prognosis and treatment of mammary tumours in the bitch, by L. N. Owen.
- 28849 SYMPOSIUM ON THROMBOSIS. [Papers]. I-III. *J. Small Anim. Pract.* 7(11):711-722. Nov. 1966. 41.8 J8292
Arterial thrombosis (embolism) in the cat, by M. J. Freak; The pathology of aortic-iliac embolism in man, by K. A. D. Turk; Surgical treatment, by P. Martin.
- 28850 TAMAS, L., LAMI, GY., and PETHES, GY. On the value determining characteristics of full blood, homologous plasma, physiological sodium chloride solution, Periston-N and Plasmodex. II. The development of "lethal rebleeding volume." (Ge) *Acta Vet. [Budapest]* 16(3):301-308. Ref. 1966. 41.8 Ac83
Blood substitute study in dogs.
- 28851 TASKER, J. B. Differential diagnosis of anemia in small animals. *Amer. Vet. Med. Ass. J.* 149(12):1755-1760. Dec.15,1966. 41.8 Am3
Chiefly dogs.
- 28852 TEICHERT, G. Plasma cell infiltration of third eyelid in dogs. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(23):449-451. Dec.1, 1966. 41.8 B45
English summary.
- 28853 THRASHER, J. P. Canine heartworm (Dirofilaria immitis). *Ga. Vet.* 18(6):15-16. Nov./Dec.1966. 41.8 G29
- 28854 TRIMMER, B. R. Demodicidosis in a cat. *Southwest. Vet.* 20(1):57-58. Fall 1966. 41.8 So82
- 28855 TROGER, C. P. Hormone treatment of cycclus disturbances in bitches. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(23):456-459. Ref. Dec.1,1966. 41.8 B45
English summary.

- 28856 UBERREITER, O. Prostatic hypertrophy and prostatic cysts in dog. (Ge) Wien. Tierarztl. Monatsschr. 53(9):593-596. Sept. 1966. 41.8 T345
English summary.
- 28857 ULLRICH, W. A rapid test for chemical urine analysis. (Ge) Wien. Tierarztl. Monatsschr. 53(9):611-615. Sept. 1966. 41.8 T345
English summary.
Dogs.
- 28858 URTUBEY, C. R. Determination of chronic eczema in dogs by the Abderhalden reaction. (Sp) Rev. Med. Vet. [Buenos Aires] 47(2):89-94. Mar./Apr. 1966. 41.8 B86
- 28859 WALKER, R. G. Rib grafts in the repair of comminuted fractures in the dog. Vet. Rec. 79(13):350-353. Sept. 24, 1966. 41.8 V641
- 28860 WILKINSON, F. C. A potential champ? West. Australia. Dep. Agr. J. (ser. 4) 7(9):391-392. Sept. 1966. 23 W52J
Canine distemper.
- 28861 YOUNG, H. G. Electric impulse therapy aids wound healing. Mod. Vet. Pract. 47(14):80-82. Dec. 1966. 41.8 N812
In dogs.
- 28862 ZAHARILJA, I. Anamnestic diagnosis of leptospirosis in dogs of the city of Osijek. (Se) Vet. Arh. 36(7/8):228-230. 1966. 41.8 V6416
English summary.

Miscellaneous

- 28863 FOX, M. W. The development of learning and conditioned responses in the dog: theoretical and practical implications. Can. J. Comp. Med. Vet. Sci. 30(10):282-286. Ref. Oct. 1966. 41.8 C162
- 28864 WILDER, A. G. War dog display team 1965. Roy. Army Vet. Corps. J. 37(1):15-18. Spring 1966. 41.8 G79
- 28865 WYOMING UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Dog record book. Wyo. Univ. Ext. [4-H Club. Circ.] DO-1-66, 8 p. July 1966. 275.29 W99Fc

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 28866 DUKELOW, W. R. Effects of age and strain of female, and of ethylene dichloride extracted wheat germ oil on reproduction in mink (Mustela vison). J. Reprod. Fertil. 11(2):181-184. Apr. 1966. 442.8 J8222
- 28867 VENGE, O. Influence of extra light on reproduction of mink. (Da) Dansk Pelsdyravl 29 (12):645-648. Dec. 20, 1966. 412.628 D23

Feeds and Feeding

- 28868 AHMAN, G. Fat enriched mink feed mixtures. (Sw) Vara Palsdjur 37(12):566,569-570,573-574. Dec. 15, 1966. 410 V42
- 28869 AULERICH, R. J., and SCHAIBLE, P. J. Simple method of processing "spent" chickens for mink feeding and their use during late growth and furring. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):24-27. Aug. 1966. 100 M58S
- 28870 TRAVIS, H. F. A review of mink nutrition. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:118-122. Ref. 389.79 C81
- 28871 UTNE, F., NJAA, L. R., and BRAEKKAN, O. R. Experiments with Kalorit and other fat as supplement for mink. (No) Norsk Pelsdyrbll. 40 (22):539-541. Nov. 20, 1966. 412.628 N812
A fish fat compound.

Veterinary Medicine

- 28872 BASRUR, P. K., and KARSTAD, L. Studies on viral plasmacytosis (Aleutian disease) of mink. VII. Infection of mink with DNA extracted from diseased spleens. Can. J. Comp. Med. Vet. Sci. 30(11):295-300. Ref. Nov. 1966. 41.8 C162

- 28873 BIGALKE, R. D., and others. The isolation of Toxoplasma gondii from ferrets in South Africa. S. Afr. Vet. Med. Ass. J. 37(3):243-247. Ref. Sept. 1966. 41.8 S08
R. C. Tustin, J. L. Du Plessis, P. A. Basson, and R. M. McCully, joint authors.
- 28874 BRANDER, N. R., and PALLUDAN, B. Diffuse sclerosis in minks. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:213-224. Ref. 41.9 C792A
English summary.
Sclerosis of the nervous system.
- 28875 COLLINS, J. J., and DONNELLY, W. J. C. An outbreak of pneumonia in mink caused by Pseudomonas aeruginosa. Irish Vet. J. (n.s.) 20(7):128-130. July 1966. 41.8 Ir4
- 28876 CROSS, J. H., and THOMAS, R. M. Hydatid disease in the nutria. J. Parasitol. 52(6):1215-1216. Dec. 1966. 448.8 J824
- 28877 GUNN, C. K. Wet belly disease in ranch-bred mink. Nat. Fur News 38(10):16-17, 33. Nov. 1966. 412.628 R59
- 28878 HALEN, P., POHL, P., and THOMAS, J. Septicemia due to Pseudomonas in minks and chinchillas. (Fr) Ann. Med. Vet. 110(6):397-406. Oct. 1966. 41.8 An78
English summary.
Pseudomonas aeruginosa.
- 28879 HENSON, J. B., PADGETT, G. A., and GORHAM, J. R. The early history of Aleutian disease. Nat. Fur News 38(10):21, 23, 32. Nov. 1966. 412.628 R59
- 28880 PRIDHAM, T. J. Lead poisoning in mink. Nat. Fur News 38(10):13, 29, 36. Nov. 1966. 412.628 R59

Miscellaneous

- 28881 BARNES, J. R. The Rhodesian chinchilla industry. Rhodesia Agr. J. 63(2):22-23. (Cont.) Mar./Apr. 1966. 24 R34
- 28882 DANSK PELTS DYRAVLERFORENING. Beretning [Report of the Danish Fur Animal Husbandry Association], 1965-66, v. 23. Kobenhavn, 1966. 72 p., map. 412.629 D23
- 28883 DINESCU, S., and PETRIU, C. Material basis for the organization of mink breeding farms. (Rum) Rev. Zootech. Med. Vet. 16(1):25-28. Nov. 1966. 49 P943
- 28884 MCNAB, A. P. Management of chinchillas in Rhodesia. II. Rhodesia Agr. J. 63(3):46-48. May/June 1966. 24 R34

HORSES AND MULES

Breeds and Breeding

- 28885 BONADONNA, T. The interspecific and reciprocal crossing horse-donkey and the fertility of the resulting hybrids. (Fr) World Rev. Anim. Prod. 3:46-68. Ref. July/Sept. 1966. 49 W89
English summary.
- 28886 CROCKETT, J. R. Care of stallions. Fla. Dep. Agr. Bull. 188(rev.):124-125. Jan. 1965. 2 F66B
- 28887 FRANKE, H. Horse breeding undergoing change. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (41):1536,1538,1540. Oct. 13, 1966. 18 N39
- 28888 HESSELHOLT, M., and MOUSTGAARD, J. Transferrin types of the Icelandic horse. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:167-173. 41.9 C792A
English summary.
- 28889 HUEBECK, E. Additional suggestions on the care of the stud. Fla. Dep. Agr. Bull. 188 (rev.):125-126. Jan. 1965. 2 F66B
- 28890 HUEBECK, E. Training the Thoroughbred horse. Fla. Dep. Agr. Bull. 188(rev.):141-143. Jan. 1965. 2 F66B

- 28981 JURKOVIC, J. Trotter from Ljutomer; a contribution to the study of development and breeding. (Se) Veterinaria [Sarajevo] 15(1):91-103, 1966. 41.8 V6494
English summary.
Excerpt from thesis.
- 28982 KOGER, M. Color inheritance in horses. Fla. Dep. Agr. Bull. 188(rev.):113-123. Ref. Jan. 1965. 2 F66B
- 28983 NORWAY. STATENS STAMBOKKONTOR. Stambok over fjordhest [Studbook of the Fjord horse]. Volume 24. Oslo, 1966. 302 p. 42.9 N835
- 28984 OWEN, D. Breeding problems in mares. 2. Foaling mares. Norden News 41(4):12-14. Fall 1966. 41.8 N75
- 28985 POLAND. PANSTWOWE TORY WYSCIOW KONNYCH. Polska księga stadnia koni arabskich czyste krwi. Dodatek IV do tomu VI [Polish studbook of pureblood Arab horses. Supplement IV to Volume VI]. Warszawa, Panstwowe Wydawnictwo Rolnicze i Lesne, 1966. 58 p. 42.9 P65
- 28986 SCHWEISGUT, O. The Hafling—a modern universal horse! (Ge) Mitt. Deut. Landwirt.-Ges. 81(41):1542-1545. Oct.13, 1966. 18 N39
- 28987 SPOELSTRA, W. Artificial insemination of horses. (Du) Veteelt Zuivelber. 9(7/8):316, 318-319. July/Aug. 1966. 49 V51
- 28988 WAKEMAN, D. L., and CROCKETT, J. R. Breeds of light horses. Fla. Dep. Agr. Bull. 188(rev.):8-30. Jan. 1965. 2 F66B
- 28989 WAKEMAN, D. L. Selecting and judging light horses. Fla. Dep. Agr. Bull. 188(rev.):31-35. Jan. 1965. 2 F66B
- 28990 WARNICK, A. C. Reproduction and fertility in horses. Fla. Dep. Agr. Bull. 188(rev.):103-112. Jan. 1965. 2 F66B
- Feeds and Feeding
- 28991 CUNHA, T. J. Feeding horses. Fla. Dep. Agr. Bull. 188(rev.):69-83. Jan. 1965. 2 F66B
- 28992 CUNHA, T. J. Nutritional requirements of the horse. Fla. Dep. Agr. Bull. 188(rev.):56-68. Jan. 1965. 2 F66B
- 28993 FEHER, T. Avitaminosis A of aged horses. (Hu) Magyar Allatorv. Lapja 21(11):511-513. Nov. 1966. 41.8 V644
- 28994 KILLINGER, G. B. Pastures. Fla. Dep. Agr. Bull. 188(rev.):84-102. Jan. 1965. 2 F66B
For horses; includes pasture management.
- Veterinary Medicine
- 28995 ADAMS, O. R. Lameness in horses. Ed. 2. Philadelphia, Lea, 1966. 563 p. Ref. SF907.A3
- 28996 ALCALA, A., ROQUE GALOTTA, D., and VERA, V. R. DE. Distal insertions of the metatarsal femoral cord of the horse. (Sp) Gac. Vet. 27(181):345-357. Ref. Aug. 1965. 41.8 G112
English summary.
- 28997 ANIMAL HEALTH TRUST (GREAT BRITAIN). EQUINE RESEARCH STATION (NEWMARKET). New concepts in control of horse worms. Anim. Health 3:7-9. Nov. 1966. 41.8 A52
- 28998 BAGEDDA, G., and others. Cesarean section in Equidae; personal contribution and submitted literature. (It) Veterinaria [Milano] 15(1):6-25. Ref. Jan./Feb. 1966. 41.8 V6499
S. Lepori, P. Muzzetto, and S. Carta, joint authors.
English summary.
Horses and asses.
- 28999 BOGDA, M. A suspected case of a comminuted fracture of the olecranon in a young colt. Southwest. Vet. 20(1):61-62. Fall 1966. 41.8 S82
- 29000 BRION, A., and others. Equine grippes: characteristics of the grippal virus isolated in 1965. (Fr) Acad. Vet. France. Bull. 39(5):155-163. May 1966. 41.9 R24
C. Cateigne, M. Fontaine, M. P. Fontaine, and R. Morillon, joint authors.
- 29001 BRYANS, J. T. Control of equine infectious disease by immunization. Cornell Vet. 56(2): 278-287. Apr. 1966. 41.8 C81
- 29002 CAPATINA, V., and others. A contribution to the physiology, pathology and treatment of burns in domestic animals. (Fr) Arch. Vet. 1(2):131-145. 1966. 41.8 Ar27
T. Giurgiu, M. Moldoveanu, E. Comsa, and S. Nemeteanu, joint authors.
English summary.
Horses and dogs.
- 29003 CAPAUL, E. G. Blood amylase in the Thoroughbred race horse. (Sp) Rev. Med. Vet. [Buenos Aires] 47(2):77-80, 82-86. Ref. Mar/Apr. 1966. 41.8 B86
- 29004 COOK, W. R. Clinical observations on the anatomy and physiology of the equine upper respiratory tract. Vet. Rec. 79(16):440-446. Oct. 15, 1966. 41.8 V641
- 29005 CORRADO, A. Respiratory viruses of the horse (review and synthesis). (It) Zooprofissi 20(12):687-722. Ref. Dec. 1965. 41.8 Z72
- 29006 CORREA, J. E., and CALDERIN, G. G. Anhidrosis, dry-coat syndrome in the Thoroughbred. Amer. Vet. Med. Ass. J. 149(12):1556-1560. Dec. 15, 1966. 41.8 Am3
- 29007 DU PLESSIS, J. L., and BASSON, P. A. Babesiosis in aborted equine foetuses; a report on two cases in South Africa. S. Afr. Vet. Med. Ass. J. 37(3):267-269. Sept. 1966. 41.8 S8
- 29008 DYUSEMBIN, KH. Milk secretion and dynamics of internal udder pressure in mares. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 52(11):1374-1378. Nov. 1966. 444.8 F58
- 29009 EUSTACHEWICZ, R. The structure of the bulbous olfactorius of the horse. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej, Ann. Sect. DD. 20:93-107. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 29010 GALOFFRE, E. J., and others. First recording of Strongyloides westeri. (It) 1917 in Thoroughbreds in Argentina. (Sp) Gac. Vet. 27(181):334-340. Aug. 1965. 41.8 G112
E. G. Morini, C. E. de B. de Grillo Torrado, and J. J. Boero, joint authors.
English summary.
- 29011 GARCIA ALFONSO, C., and MARTIN MARTIN, E. Fenestration of the hoof in operations on horses. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):435-448. 1965. 41.9 Ov4
English summary.
- 29012 GARNER, H. E., ST. CLAIR, L. E., and HARDENBROOK, H. J. Clinical and radiographic studies of the distal portion of the radius in race horses. Amer. Vet. Med. Ass. J. 149(12): 1536-1540. Dec. 15, 1966. 41.8 Am3
- 29013 GILL, H. E. A practitioner's slant on equine digestive disorders. Amer. Vet. Med. Ass. J. 149(12):1546-1549. Dec. 15, 1966. 41.8 Am3
- 29014 GRATANI, L. Collateral therapy of the colic in the horse. (It) Veterinaria [Milano] 14(5): 420-421. Sept./Oct. 1965. 41.8 V6499
- 29015 GRATANI, L. Equine infectious anemia. (It) Veterinaria [Milano] 14(4):329-339. July/Aug. 1965. 41.8 V6499
- 29016 GRIFFITH, G. Periosteal inflammation with exostosis. Southwest. Vet. 20(1):58-59. Fall 1966. 41.8 S82
In a horse.
- 29017 GRONO, L. R. Methohexital sodium anaesthesia in the horse. Australian Vet. J. 42(11): 398-400. Ref. Nov. 1966. 41.8 Au72
- 29018 HANNOUN, C., JOUBERT, L., and OUDAR, J. Epidemiologic study of arboviruses in Camargue; serological examination in the horse. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(2):147-158, map. 1966. 41.9 L99
- 29019 HATCH, C. Fasciola hepatica infection in donkeys. Irish Vet. J. (n.s.) 20(7):130. July 1966. 41.8 Ir4

- 28930 HESSELHOLT, M., MOUSTGAARD, J., and PALSSON, P. A. Blood groups of the Icelandic horse, (Da) Copenhagen. Vet.- Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet. 1965:147-165. Ref. 41.9 C792A
English summary.
- 28931 HOOVER, R., and GIBFORD, W. R. Care, management & shoeing of the equine foot. Fla. Dep. Agr. Bull. 188(rev.):172-188. Jan.1965. 2 F66B
- 28932 HUGHES, J. P., and others. The occurrence of *Pseudomonas aeruginosa* in the reproductive tract of mares and its effect on fertility. Cornell Vet. 56(4):595-610. Ref. Oct.1966. 41.8 C81
R. G. Loy, A. C. Asbury, and H. E. Burd, joint authors.
- 28933 HUTSON, L. R. Observations on the collection of urine samples at the sampling unit of the Barbados Turf Club. Can. Vet. J. 7(11):260-261. Nov.1966. 41.8 R3224
Of horses.
- 28934 JENNINGS, S. E. Fortless and safe general anesthesia in equine practice. Amer. Vet. Med. Ass. J. 149(12):1550-1555. Dec.15,1966. 41.8 Am3
- 28935 JOHANSEN, A., and OLSSON, L. A spontaneous case of epizootic lymphangitis in horse. (Sw) Svensk Veterinartidn. 18(19):560-563. Oct.1966. 41.9 Sv23
- 28936 JOUBERT, L., OUDAR, J., and HAVERBEKE, G. VAN. In regard to four cases tuberculosis in horses caused by bovine bacillus. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(3):271-274. 1966. 41.9 L99
Mycobacterium bovis.
Includes discussion.
- 28937 KELLER, H. Oxyuris infestation in horses. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(22):429-431. Ref. Nov.15,1966. 41.8 B45
English summary.
Oxyuris equi.
- 28938 KUBIN, G., and KOLBL, O. Isolation of rhinopneumonitis virus from aborted equine fetuses in Austria. (Ge) Wien. Tierarztl. Monatsschr. 53(11):725-736. Ref. Nov.1966. 41.8 T345
English summary.
- 28939 KUDLAC, E., KOZUMPLIK, J., and VETEL, M. Indications and results of the examination of mares performed at the obstetrics clinic of the veterinary school at Brno during 1945-1965. (Cz) Veterinarstvi 16(8):346-350. 1966. 41.8 V6439
- 28940 LAMATSCH, O. Perforating vaginal rupture in a trotting mare during parturition. (Ge) Wien. Tierarztl. Monatsschr. 53(10):694-697. Oct. 1966. 41.8 T345
English summary.
- 28941 MACIOLEK, H. Cesarean section of horses performed in field conditions. (Pol) Med. Weter. 22(5):297-298. May 1966. 41.8 M463
- 28942 MAHAFFEY, L. W. Histological lesions and virus isolation in rhinopneumonitis infection. Roy. Soc. Med. Proc. 59(11):1081-1083. Nov. 1966. 448.9 R814
For diagnostic purposes.
- 28943 MAZZOLENI, R. Equine trichomoniasis. (It) Veterinaria [Milano] 14(4):361-363. July/Aug. 1965. 41.8 V6499
- 28944 MIAMI, M. Leptospirosis in horses with colic syndrome, observed in the lowland of Friuli. (It) Veterinaria [Milano] 15(2):107-113. Mar., Apr. 1966. 41.8 V6499
- 28945 MILLER, W. C. Equine rhinopneumonitis virus as a cause of abortion in pregnant mares. Roy. Soc. Med. Proc. 59(11):1080-1081. Nov. 1966. 448.9 R814
- 28946 NEDOSEKIN, G. Glucocorticoids in treatment of horse diseases. (Rus) Konevodstvo Konnyi Sport 11:32. Nov.1966. 42.8 K832
- 28947 NINO, F. L., and FREIRE, R. S. The existence of an endemic focus of rhinopneumonitis in Chaco Province, (Sp) Rev. Med. Vet. [Buenos Aires] 47(5):421-422, 425-426, 428-430, 432-434, 436, 437, map. Sept./Oct.1966. 41.8 B86
English summary.
Horses.
- 28948 NURMIO, P. Treatment of phlegmon and sinus of the corona (quittor). (Fi) Suomen Eläinlääkärihiti 72(9):351-353. Sept.1966. 41.8 F49
English summary.
- 28949 OZAWA, Y., and BAHRAMI, S. African horse-sickness killed-virus; tissue culture vaccine. Can. J. Comp. Med. Vet. Sci. 30(11):311-314. Ref. Nov.1966. 41.8 C162
- 28950 PIGON, H., MARCHUT, M., and NESTOROV, N. Urinary oestrogens in the mature male mule. J. Reprod. Fertil. 11(2):221-225. Ref. Apr.1966. 442.8 J8222
- 28951 PIUSINSKI, W., and SZCZYPIORSKI, S. Injury to the spinal cord in a horse, caused by epidural hemorrhage. (Pol) Med. Weter. 22(5):296-297. May 1966. 41.8 M463
English summary.
- 28952 PLUMMER, C. B. Diseases of horses. Fla. Dep. Agr. Bull. 188(rev.):144-156. Jan.1965. 2 F66B
- 28953 PLUMMER, C. B. Internal parasites. Fla. Dep. Agr. Bull. 188(rev.):157-171. Jan.1965. 2 F66B
Of horses.
- 28954 ROBERTSON, A. I. A case of ruptured stomach in the horse. Roy. Army Vet. Corps. J. 37(1):20-21. Spring 1966. 41.8 G79
- 28955 ROONEY, J. R. Contracted foals. Cornell Vet. 56(2):172-187. Apr.1966. 41.8 C81
- 28956 ROONEY, J. R., and PRICKETT, M. E. Fore-leg splints in horses. Cornell Vet. 56(2):259-269. Apr.1966. 41.8 C81
- 28957 ROSE, M. A. Serological studies with equine influenza viruses. Brit. Vet. J. 122(10):435-442. Ref. Oct.1966. 41.8 V643
- 28958 SAGER, F. C. Care of the reproductive tract of the mare. Amer. Vet. Med. Ass. J. 149(12):1541-1545. Dec.15,1966. 41.8 Am3
- 28959 SAURINO, V. R., and others. Immunodiagnostic relations of three clinical types of equine infectious anemia. Amer. Vet. Med. Ass. J. 149(11):1416-1422. Ref. Dec.1,1966. 41.8 Am3
G. H. Waddell, J. H. Flynn, and M. B. Teigland, joint authors.
- 28960 SAXEGAARD, F. Isolation and identification of equine rhinopneumonitis virus (equine abortion virus) from cases of abortion and paralysis. Nord. Veterinærmed. 18(11):504-512. Ref. Nov.1966. 41.8 N813
- 28961 SEVESTRE, J. Application of telemetry to the study of force electrocardiogram of racing horse. (Fr) Lyon. Soc. Sci. Vet. Bull. 67(6):551-558. 1965. 41.9 L99
- 28962 SINGH, T. Studies on epizootic lymphangitis; study of clinical cases and experimental transmission. Indian J. Vet. Sci. Anim. Husb. 36(1):45-59. Ref. Mar.1966. 41.8 In22
In mules and horses.
- 28963 SONODA, M., and KOBAYASHI, K. Electron microscopic observations on the blood of the horse. I. Neutrophils in the peripheral blood of the clinically healthy horses. Jap. J. Vet. Res. 14(1/2):71-78. Ref. June 1966. 41.8 V6446
- 28964 TODD, J. D. The epidemiology of viral respiratory diseases of horses. Penn. Vet. 8(4):5-7. Dec.1966. 41.8 P38
- 28965 VAN NIEKERK, C. H., and GERNEKE, W. H. Persistence and parthenogenetic cleavage of tubal ova in the mare. Onderstepoort J. Vet. Res. 33(1):195-231. Ref. June 1966. 41.8 On1

- 28966 WAKEMAN, D. L. Age and height of horse. Fla. Dep. Agr. Bull. 188(rev.):36-42. Jan.1965. 2 F66B
- 28967 WAKEMAN, D. L. Blemishes and unsoundnesses. Fla. Dep. Agr. Bull. 188(rev.):43-51. Jan.1965. 2 F66B
In horses.
- 28969 WILKINS, J. H. Conformation of the horse and purchasing of army horses. Roy. Army Vet. Corps, J. 37(1):13-15. Spring 1966. 41.8 G79
- Miscellaneous
- 28969 BEAUPAIN, C. Transport by mules in oil palm management. (Fr) Oleagineux 21(10):583-584. Oct.1966. 77.8 OL2
- 28970 CROCKETT, J. R. Care of broodmares. Fla. Dep. Agr. Bull. 188(rev.):127-128. Jan.1965. 2 F66B
- 28971 CROCKETT, J. R. Care of foals and weanlings. Fla. Dep. Agr. Bull. 188(rev.):129-130. Jan. 1965. 2 F66B
- 28972 CROCKETT, J. R. Training horses—the stock horse. Fla. Dep. Agr. Bull. 188(rev.):132-140. Jan.1965. 2 F66B
- 28973 GABEL, A. A. Restraint, care, and prevention of air disease in transportation of horses by air—a review. Speculum 20(1):13-14,24. Ref. Fall 1966. 41.8 Sp3
- 28974 HUEBECK, E. Additional suggestions on care of foals and weanlings. Fla. Dep. Agr. Bull. 188(rev.):130-131. Jan.1965. 2 F66B
- 28975 NAGLER, B. The American horse. New York, Macmillan, 1966. 182 p. Ref. SF284.U5N3
History; includes breeds.
- 28976 WAKEMAN, D. L. Equitation. Fla. Dep. Agr. Bull. 188(rev.):197-203. Jan.1965. 2 F66B
- 28977 WAKEMAN, D. L. Gaits. Fla. Dep. Agr. Bull. 188(rev.):52-55. Jan.1965. 2 F66B
- 28978 WAKEMAN, D. L., CUNHA, T. J., and CROCKETT, J. R. Light horse production in Florida. Fla. Dep. Agr. Bull. 188(rev.):215 p. Jan.1965. 2 F66B
- 28979 WYOMING UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Horse projects in Wyoming; performance & halter classes. Wyo. Univ. Ext. [4-H Club. Circ.] HO-1-66,10 p. June 1966. 275.29 W99Fc
- 28980 WYOMING UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming horse science record. Wyo. Univ. Ext. [4-H Club. Circ.] HO-10a-66,7 p. June 1966. 275.29 W99Fc
- 28981 ZWOLINSKI, J., and SIUDZINSKI, S. Observations on the length of the period in which foals remain with their dams. (Pol) Med. Veter. 22(5):282-285. Ref. May 1966. 41.8 M463
English summary.
- LABORATORY ANIMALS, SMALL
- Breeds and Breeding
- 28982 COWARD, W. A., and others. Effects of hormones on reproduction in rats fed a diet deficient in retinol (vitamin A alcohol) but containing methyl retinoate (vitamin A acid methyl ester). J. Reprod. Fertil. 12(2):309-317. Ref. Oct.1966. 442.8 J8222
J. M. Howell, G. A. J. Pitt, and J. N. Thompson, joint authors.
- 28983 FALCONER, D. S., and ISAACSON, J. H. Curly whiskers and its linkage with tail-kinks in linkage group II of the mouse. Genet. Res. 8(1):111-113. Aug.1966. 443.8 G283
- 28984 FROGET, J., and others. In regard to alleged hybrids of guinea pigs—rabbits; study of the cariotype test of hybridization phenomenon. (Fr) Lyon. Soc. Sci. Vet. Bull. 68(3):223-231. Ref. 1966. 41.9 L99
C. Laurent, L. Monavon, and C. Delambre, joint authors.
Includes discussion.
- 28985 MCCLURE, T. J. Infertility in mice caused by fasting at about the time of mating. I. Mating behaviour and littering rates. J. Reprod. Fertil. 12(2):243-248. Ref. Oct.1966. 442.8 J8222
- Feeds and Feeding
- 28986 ADKINS, J. S., WERTZ, J. M., and HOVE, E. L. Influence of nonessential L-amino acids on growth of rats fed high levels of essential L-amino acids. Soc. Exp. Biol. Med. Proc. 122(2):519-523. Ref. June 1966. 442.9 S01
- 28987 KURMARESAN, P., and TURNER, C. W. Effect of alloxan on feed consumption and on replacement therapy with graded levels of insulin in rats. Soc. Exp. Biol. Med. Proc. 122(2):526-527. June 1966. 442.9 S01
Induced diabetes.
- 28988 LAKSHMANAN, F. L., and MARSHALL, M. W. Influence of diet and heredity on the serum protein components of the rat. Soc. Exp. Biol. Med. Proc. 122(2):535-539. Ref. June 1966. 442.9 S01
- 28989 OLIVER, W. T., HILLIARD, W. G., and VAN PETTEN, G. R. Effects of feeding irradiated onion to rats and pigs. Food Cosmet. Toxicol. 4(6):569-576. Ref. Dec.1966. 391.8 F73
Includes toxicity.
- 28990 POTTEAU, B., CLUZAN, R., and LECLERC, J. Nutritional and toxicological effects of ingesting heated linseed oil. I-II. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(1):47-71. Ref. 1966. 442.8 An75
I, General effects and effect on the utilization of proteins in the rations; II, Effect on biological value of calcium in the rations.
English summary.
- 28991 SZLAUER, K. Non-spill food container for rats. Inst. Anim. Tech. J. 17(2):47-48. June 1966. QL55.15
- 28992 VAN PETTEN, G. R., HILLIARD, W. G., and OLIVER, W. T. Effect of feeding irradiated onion to consecutive generations of the rat. Food Cosmet. Toxicol. 4(6):593-599. Dec.1966. 391.8 F73
- 28993 VISEK, W. J. Some effects of urea and bile acid feeding upon the gastrointestinal tract. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:9-15. Ref. 389.79 C81
Simultaneous feeding of urea, deoxycholate, and chlortetracycline to rats and chicks.
- Veterinary Medicine
- 28994 BELL, J. F., and others. Brain neutralization of rabies virus to distinguish recovered animals from previously vaccinated animals. J. Immunol. 97(6):747-753. Ref. Dec.1966. 448.8 J8232
D. L. Loddmeil, G. J. Moore, and G. H. Raymond, joint authors.
In mice.
- 28995 BERGNER, H. Nucleic acid metabolism and phosphate conversion in the liver. 3. (Ge) Arch. Tierernahr. 16(2/3):141-147. May 1966. 389.78 Ar22
English summary.
- 28996 BRINSTER, R. L. Malic dehydrogenase activity in the preimplantation mouse embryo. Exp. Cell Res. 43(1):131-135. Ref. Aug.1966. 442.8 Ex7
- 28997 BROWN, F., and CARTWRIGHT, B. The antigens of vesicular stomatitis virus. II. J. Immunol. 97(5):612-620. Ref. Nov.1966. 448.8 J8232
Tested in hamster.
- 28998 BROWN, V. K. Laboratory animals for dermatological research. Inst. Anim. Tech. J. 17(3):122-126. Ref. Sept.1966. QL55.15
- 28999 BRUST-CARMONA, H., KASPRZAK, H., and GASTEIGER, E. L. Role of the olfactory bulbs in X-ray detection. Radiat. Res. 29(3):354-361. Ref. Nov.1966. 334.8 R11
Tests on rats.

- 29000 CAMBEROS, H. R., and FIGUEIRAS, H. D. Absorption, distribution and excretion of iron in rats. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47 (5):413-414,416-419. Sept./Oct.1966. 41.8 B86
- 29001 CAMERON, C. M. The immunizing properties of a *Staphylococcus aureus* variant possessing surface antigen. Onderstepoort J. Vet. Res. 33(1):25-37. Ref. June 1966. 41.8 On1
Tested on mice and guinea pigs.
- 29002 CHEVILLE, N. F. Studies on connective tissue tumors in the hamster produced by bovine papilloma virus. *Cancer Res.* 26(11):2334-2336. Ref. Nov.1966. 44.8 C16
- 29003 CONNEY, A. H., and others. Decreased central depressant effect of progesterone and other steroids in rats pretreated with drugs and insecticides. *J. Pharmacol. Exp. Therap.* 154 (2):310-318. Ref. Nov.1966. 396.8 J82
M. Jacobson, W. Levin, K. Schneidman, and R. Kuntzman, joint authors.
- 29004 DEVALOIS, D. G. Research in laboratory animal medicine, science, and technology, and its relationship to veterinary public health. *Amer. Vet. Med. Ass. J.* 149(12):1672-1676. Dec.15, 1966. 41.8 Am3
- 29005 HAUGHTON, L. J., and MINKIN, P. Some aspects of pseudotuberculosis among a small colony of guinea pigs. *Inst. Anim. Tech. J.* 17 (2):37-40. June 1966. QL55.15
- 29006 JACKSON, H. Antifertility compounds in the male and female; development, actions and applications of chemicals affecting the reproductive processes of animals, insects and man. Springfield, Illinois, Thomas, 1966. 214 p. (American Lecture Series, Publication No.631) SF871.J3
Bibliography, p.193-203.
Includes laboratory animals, and a chapter on "Alkylating agents and insect reproduction" (p.80-95).
- 29007 MARSTON, J. H., and KELLY, W. A. The effects and mode of action of intra-uterine devices. *Vet. Rec.* 79(22):644-653. Ref. Nov.26, 1966. 41.8 V641
Includes observations with laboratory animals.
Includes discussion.
- 29008 MARTINEZ, A. Investigations on the effectiveness of methyridine and thiabendazole against *Trichinella spiralis* (Owen, 1835) Railliet, 1895. (Sp) *Oviedo, Univ. Fac. Vet. Leon, An.* 11(11):127-1220. 1965. 41.9 Ov4
English summary.
Bibliography, p.207-216.
Tests with rats and hamsters.
- 29009 MENCHACA, E. S., and SEQUEIRA, A. S. Diaplacental immunity to foot-and-mouth disease virus in lactating rats: correlation and regression. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47 (4):291-294,296-298,300-303. Ref. July/Aug. 1966. 41.8 B86
- 29010 MORAES, F. F. DE, and NICOLAU, J. Quantitative studies of salivary glands of laboratory animals. I. Correlation with histochemistry. *Rev. Brasil. Biol.* 25(4):395-400. Ref. Dec.1965. 44.8 R326
- 29011 NAITO, H., JOHNSON, B., and JOHNSON, B. C. Some effects of methyl linoleate hydroperoxide on oxidative phosphorylation in rat liver mitochondria. *Soc. Exp. Biol. Med. Proc.* 122(2):545-548. Ref. June 1966. 44.2.9 Sol
- 29012 OHBAYASHI, M., and SAKAMOTO, T. Studies on echinococcosis. XVII. Sex difference in resistance to infection with *Echinococcus multilocularis* in uniform strains of mice. *Jap. J. Vet. Res.* 14(1/2):65-70. June 1966. 41.8 V646
- 29013 PIVNICK, H., STUART, P. F., and WALCROFT, M. Establishment of a *Salmonella* [typhimurium] free guinea pig colony. *Can. J. Comp. Med. Vet. Sci.* 30(10):279-281. Oct.1966. 41.8 C162
- 29014 SAID, A. H. Variations in the activity of the parathyroid glands during bone fracture healing. *J. Vet. Sci. United Arab Repub.* 2(1):13-24. Ref. 1965. SF604.J6
In rats.
- 29015 STREET, J. C. Insecticides in animals, their storage and interactions. *Utah Farm Home Sci.* 27(2):52-54. June 1966. 100 UT1F
Dieldrin and DDT in rats.
- 29016 TRILO, A. J., and COON, J. M. The protective effect of aldrin against the toxicity of organophosphate anticholinesterases. *J. Pharmacol. Exp. Therap.* 154(3):613-623. Ref. Dec. 1966. 396.8 J82
Tests on mice.
- 29017 VIALIER, J., and others. Influence of bleeding on the muscular localization of tubercle bacillus in slaughtered animals. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(1):35-37. 1966. 41.9 L99
J. Dabrigeon, A. Sedallian, and R. Lanery, joint authors.
Strains of *Mycobacterium tuberculosis* and *M. bovis* in experiments with guinea pigs.
- 29018 VIALIER, J., and CASANOVA, F. Variation of transaminase levels in the blood of animal poisoned with trichloroethylene. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2219-2221. 1965. 44.2.9 P21
Tests with rats and rabbits.

Miscellaneous

- SILVAN, J. Raising laboratory animals; a handbook for biological and behavioral research. Garden City, N. Y., Natural History Press, 1966. 225 p. SF77.55
Bibliography, p.211-215.
- STODDART, R. C. A device for handling live mice. *Inst. Anim. Tech. J.* 17(3):127-128. Sept.1966. QL55.15

POULTRY

Breeds and Breeding

- 29021 ABPLANALP, H. Selection for egg number in chicken and quail and relation held under different lighting. *World's Poultry Congr. Proc., 13th Congr.:70-74.* 1966. SF481.W6
- 29022 AHLUWALIA, B. S., and GRAHAM, E. F. Free amino acids in the semen of the fowl and the turkey. *J. Reprod. Fertil.* 12(2):365-368. Ref. Oct.1966. 44.2.8 J8222
- 29023 AHLUWALIA, B. S., and GRAHAM, E. F. Free carbohydrates in seminal plasma and sperm cells of semen of fowl. *J. Reprod. Fertil.* 12 (2):359-361. Oct.1966. 44.2.8 J8222
- 29024 ARBOR ACRES FARM INDIA. Feeding and management of Arbor Acres Queens. *Indian Poultry Gaz.* 50(2):7-22. July 1966. 47.8 In22
A strain-cross Leghorn bred for egg production.
- 29025 BENOIT, J., and others. Hereditary modification of morphological characteristics in the Pekin duck following the injection of deoxyribonucleic acid from the Khaki Campbell duck. *World's Poultry Congr. Proc., 13th Congr.:100-106.* 1966. SF481.W6
P. Leroy, R. Vendrely, and C. Vendrely, joint authors.
- 29026 BOGOLYUBSKY, S. I. Variability of trait correlations in Russian White chickens. *World's Poultry Congr. Proc., 13th Congr.:50-54.* 1966. SF481.W6
In body weight and egg production.
- 29027 BULLOCK, J. Steroid esterase activity in the comb of the White Leghorn cockerel. *Diss. Abstr., Sect. B.* 27(3):941B. Sept.1966. Z5055.U49D53
- 29028 COIMBRA-FILHO, A. F. Notes on "Cairina moschata" (L., 1758) and its hybridization with "Anas platyrhynchos" L., 1758 (Anatidae, Aves). (Por) *Rev. Brasil. Biol.* 25(4):386-394. Ref. Dec.1965. 44.2.8 R326
English summary.
- 29029 FEHER, K. Layer hybrids of Godollo. (Hu) *Magyar Mezogazdasag* 21(48):16-17. Nov.30, 1966. 19 M27
Poultry.

- 29030 FOSTER, W. H. Variation in the prelaying storage of calcium. World's Poultry Congr. Proc., 13th Congr.:60-63. 1966. SF481.W6
In various breeds.
- 29031 GOLUBEV, A. K. Alteration of chicken heredity after transfusion of blood and blood components from other breeds. World's Poultry Congr. Proc., 13th Congr.:129-135. Ref. 1966. SF481.W6
- 29032 HALA, K., and others. Syngeneic lines of chickens. II. Inbreeding and selection within the M, W and I lines and crosses between the C, M and W lines. Folia Biol. [Praha] 12(6): 407-422. Ref. 1966. 442.8 F712
M. Hasek, I. Hlozaneck, J. Hort, F. Knizetova, and H. Mervartova, joint authors.
- 29033 HASEK, M., KNIZETOVA, F., and MERVARTOVA, H. Syngeneic lines of chickens. I. Inbreeding and selection by means of skin grafts and tests for erythrocyte antigens in C line chickens. Folia Biol. [Praha] 12(5):335-341. Ref. 1966. 442.8 F712
White Leghorn breed.
- 29034 HENRY, W. R. Why computers will help "model" future breeders. Broiler Indus. 29 (12):28,30,33,36,38. Dec.1966. 47.8 N45
- 29035 IDETA, G., and SIEGEL, P. B. Selection for body weight at eight weeks of age. 3-4. Poultry Sci. 45(5):923-939. Ref. Sept.1966. 47.8 Am33P
Genetic and environmental studies.
- 29036 JAAP, R. G. Response to selection for growth rate varies with strains. World's Poultry Congr. Proc., 13th Congr.:80-83. 1966. SF481.W6
- 29037 JAFFE, W. P., and FECHHEIMER, N. S. Identification of somatic avian chromosomes and their use in development studies. World's Poultry Congr. Proc., 13th Congr.:31-35. Ref. 1966. SF481.W6
- 29038 KANDATSU, M., and ISHIBASHI, T. The amino acid requirements for the maintenance of the adult rooster. World's Poultry Congr. Proc., 13th Congr.:173. 1966. SF481.W6
- 29039 KING, S. C. Randombred controls measure breeders' genetic progress. World's Poultry Congr. Proc., 13th Congr.:21-25. 1966. SF481.W6
- 29040 KNIZE, B., MYSLIVECKOVA, H., and KNIZE-TOVA, F. Some genetic relations of the egg size. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):465-470. Ref. July 1966. 49.9 C33
English summary.
New Hampshire and Wyandotte poultry breeds.
- 29041 KONDRA, P. A., and SELL, J. L. Strain differences affecting protein and energy requirements for egg production. World's Poultry Congr. Proc., 13th Congr.:42-49. Ref. 1966. SF481.W6
- 29042 KUIT, A. R. Fertility of young Pekin ducks in the fall. (Du) Veteeltk Zuivelber. 9(7/8):320-323. July/Aug.1966. 49 V51
- 29043 KUMAR, J., and KAPRI, B. D. Genetic studies on internal egg quality and its relationship with other economic traits in White Leghorn birds. I. Indian Vet. J. 43(9):825-829. Ref. Sept. 1966. 41.8 In2
- 29044 KUSHNER, H. F., and others. Development and application of artificial insemination for poultry breeding (chickens and turkeys). World's Poultry Congr. Proc., 13th Congr.:110-114. Ref. 1966. SF481.W6
I. Novik, G. Kopylovskaya, and V. Gintovt, joint authors.
- 29045 LEROY, P., and others. Divergences observed in the descendants of Rhode Island Red chicken M-44 after injections of specifically different bloods or fractions of blood. World's Poultry Congr. Proc., 13th Congr.:106-109. 1966. SF481.W6
R. Vendrely, J. Benoit and C. Vendrely, joint authors.
For hybridization test.
- 29046 MERAT, P. Abnormalities of Mendelian proportions at locus W/W in the domestic fowl. (Fr) Ann. Biol. Anim. Biochim. Biophys. 6(2): 249-254. Ref. 1966. 442.8 An75
English summary.
- 29047 MERAT, P. Growth difference of male chicks associated with the "R" gene. (Fr) Ann. Biol. Anim. Biochim. Biophys. 5(3):399-401. 1965. 442.8 An75
English summary.
- 29049 MERAT, P. Maternal effects associated with known genes in the fowl. World's Poultry Congr. Proc., 13th Congr.:75-79. Ref. 1966. SF481.W6
On weight and egg production.
- 29049 MERRITT, E. S., ZAWALSKY, M., and SLEN, S. B. Direct and correlated responses to selection for 63-day body weight in chickens. World's Poultry Congr. Proc., 13th Congr.:86-91. 1966. SF481.W6
- 29050 MILES, D. A. F. The Japanese quail (*Coturnix coturnix japonica*): breeding and management in the laboratory. Inst. Anim. Tech. J. 17(2): 74-79. June 1966. QL55.15
- 29051 MILLAR, P. G. Studies on the use of diluted semen in turkey breeding. World's Poultry Congr. Proc., 13th Congr.:115-120. 1966. SF481.W6
- 29052 NESHEIM, M. C. Genetic variations in arginine metabolism in the chicken. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:16-23. Ref. 389.79 C81
- 29053 NESHEIM, M. C. Genetic variations in nutrient requirements. World's Poultry Sci. J. 22 (4):290-298. Ref. Oct./Dec.1966. 47.8 W89
- 29054 NESTOR, K. E., and BROWN, K. I. Method and frequency of artificial insemination influence turkey fertility. Ohio Resp. Res. Develop. Biol. Agr. Home Econ. 50(5):74. Sept./Oct. 1965. 100 Oh3S
- 29055 NEW SCHEME for poultry breeders and rearers. Agr. Northern Ireland 41(8):250-252. Dec.1966. 256.13 Ag82M
The Accredited Poultry Farms Scheme.
- 29056 NOVIKOV, B. G. Experimental change in breed characters in poultry. World's Poultry Congr. Proc., 13th Congr.:94-99. Ref. 1966. SF481.W6
- 29057 OGASAWARA, F. X., LORENZ, F. W., and BOBR, L. W. Distribution of spermatozoa in the oviduct and fertility in domestic birds. III. Intra-uterine insemination of semen from low-fecundity cocks. J. Reprod. Fertil. 11(1):33-41. Ref. Feb.1966. 442.8 J8222
- 29058 PAVLOV, Y. F. New data concerning the physiology of reproduction of birds during hybridization. World's Poultry Congr. Proc., 13th Congr.:259-261. 1966. SF481.W6
- 29059 PENIONZHKEVICH, E. E., and SHAKHNOVA, L. Inheritance of characters determining effective "nicking" ability of parent forms in chickens. World's Poultry Congr. Proc., 13th Congr.:65-68. Ref. 1966. SF481.W6
- 29060 PETITJEAN, M. J., and COCHEZ, L. P. Subfertility of cocks homozygous for the "R" gene (Rose Comb). World's Poultry Congr. Proc., 13th Congr.:121-127. Ref. 1966. SF481.W6
- 29061 POTEKOWSKA, E., and WOJTCZAK, W. Differences in growth rate and feed conversion in crossbreeds Polbar Rhode Island Red due to the form of feed. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:155-161. 1965. 49.9 W26
English summary.
- 29062 POTEKOWSKA, E., and SWIERCZEWSKA, E. Differences in growth rate of crossbred chickens descending from various breeding lines of Rhode Island Reds. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:149-154. 1965. 49.9 W26
English summary.

- 29063 **POTEMKOWSKA, E., MALOWA, M., and BURCHART, J.** Differences in growth rate up to ten weeks in chickens Cornish \times Rhode Island Red fed American crumbles and Polish all-mash. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:133-139. 1965. 49.9 W26
English summary.
- 29064 **POTEMKOWSKA, E., and SWIERCZEWSKA, E.** Polbars and their reciprocal crosses with Rhode Island Reds used for table chicken production. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:141-147. 1965. 49.9 W26
English summary.
- 29065 **RAKALSKA, Z.** Electrocardiogram of young cockerels. (Pol) Pol. Arch. Weter. 9(3):583-594. 1966. 41.8 P76
English summary.
- 29066 **RICARD, F. H., and ROUVIER, R.** Study of conformation measurements in the chicken. IV. Genetic variability of carcass measurements and meat/bone deviation in "Bresse-pile" cockerels. (Fr) Ann. Zootech. 15(2):197-209. Ref. 1966. 49 F84
English summary.
- 29067 **SAEKI, Y., and others.** Heritabilities and genetic correlations involving certain productive performances expressed in several breeds of chickens. World's Poultry Congr. Proc., 13th Congr.:55-59. Ref. 1966. SF481.W6
S. Sekidera, Y. Okawa, and T. Akita, joint authors.
- 29068 **SATAVA, M.** Results of the comparative intensive fattening of turkeys of different breeds. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):479-484. July 1966. 49.9 C33
English summary.
- 29069 **SHOFFNER, R. N., NARAYANAN, S., and PILKEY, A. M.** The potential of the advanced generation cross. World's Poultry Congr. Proc., 13th Congr.:36-41. 1966. SF481.W6
- 29070 **SOKOLOVA, A.** Selection of chickens for thermoregulatory function and laying performance. World's Poultry Congr. Proc., 13th Congr.:149-154. Ref. 1966. SF481.W6
- 29071 **SONDERMANN, H. J., SCHMIDT, M., and SEELER, H.** Relation between body measures and feathering in development and slaughter performance of White Cornish, a contribution to selection in fattening hen breeding. (Ge) Arch. Geflugelzucht Kleintierkunde 15(5):263-286. Ref. 1966. 47.8 Ar22
English summary.
- 29072 **SOULE, J., and ASSENMACHER, I.** Demonstration of annual cycle in the adrenal cortex function in the male duck. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(15):983-985. Oct. 10, 1966. 505 P21
- 29073 **SUPRAMANIAM, P.** Artificial insemination in poultry with some reference to observations made at Poultry Research and Breeding Station, Malaya. Malaysian Agr. J. 45(4):404-416. Ref. July 1966. 22.5 F312
- 29074 **SZYLLIT, O., and others.** Study of carbohydrate breakdown in the crop of the cock: origin and condition of lactic acid formation. World's Poultry Congr. Proc., 13th Congr.:230-233. 1966. SF481.W6
C. Mercier, M. Delesque, and C. Calet, joint authors.
- 29075 **TIMMERMAN, M. P. F. C. A., ALBADA, M. VAN, and KEULS, M.** An egg quality index for discrimination between hybrids in a "random sample test." World's Poultry Congr. Proc., 13th Congr.:148. 1966. SF481.W6
- 29076 **VANCIKOVA, R., and SPRONC, A.** Pilot tests with the insemination of turkeys with non-diluted and diluted semen. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):471-478. Ref. July 1966. 49.9 C33
English summary.
- 29077 **VAN KREY, H. P., OGASAWARA, F. X., and LORENZ, F. W.** Distribution of spermatozoa in the oviduct and fertility in domestic birds. IV. Fertility of spermatozoa from infundibular and uterovaginal glands. J. Reprod. Fert. 11(2):257-262. Ref. Apr. 1966. 442.8 J8222
- 29078 **WHITTLE, T. E., and HISLOP, R. I.** Selection techniques in a closed flock. World's Poultry Congr. Proc., 13th Congr.:26-30. 1966. SF481.W6
For egg production.
- 29079 **WOJEWODZKA-FABLIJANSKA, I.** Analysis of the performance of Rhode Island Red flock in the State Breeding Farm in Rszew. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:163-170. 1965. 49.9 W26
English summary.
For egg production.
- 29080 **WOJEWODZKA-FABLIJANSKA, I.** Differences in egg quality of Rhode Island Red hens descendants of several breeding lines. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:171-178. 1965. 49.9 W26
English summary.

Feeds and Feeding

- 29081 **AISINBUDASS, L. B., and others.** Concerning the dependence of the cystine content in chick feathers on the vitamin A supply. World's Poultry Congr. Proc., 13th Congr.:208-210. Ref. 1966. SF481.W6
R. Bukavetskene, K. A. Starkuss, O. Shuopite, and K. M. Yatskunass, joint authors.
- 29082 **AITKEN, J. R., and others.** The nutritive value of Canadian meat meals for chicks. Can. J. Anim. Sci. 46(3):171-175. Dec. 1966. 41.8 C163
J. Biely, J. T. Sell, A. R. Robbiee, and D. C. Hill, joint authors.
- 29083 **ANDRIGUETTO, J. M.** Methionine supplements and 4-hydroxy-17-alpha-methyl-testosterone in broilers' feed. (It) Veterinaria [Milano] 14(6):465-474. Ref. Nov./Dec. 1965. 41.8 V6499
- 29084 **ANDRIGUETTO, J. M.** The use of 4-hydroxy-17-alpha-methyl-testosterone as stimulant in protein metabolism in poultry. (It) Veterinaria [Milano] 14(2):187-192. Ref. Mar./Apr. 1965. 41.8 V6499
- 29085 **BABU, E. V., and GOPALKOUSHIK, B.** Poultry feeding. Madras Inform. E. 1(10):28-30. Oct. 1966. 280.8 M26
- 29086 **BIERI, J. G., and PRIVAL, E. L.** Linoleic acid requirement of the chick. J. Nutr. 90(4):428-432. Dec. 1966. 389.8 J82
- 29087 **BLETNER, J. K., and GOFF, O. E.** Added dietary fat reduces oyster shell consumption of laying pullets. Tenn. Farm Home Sci. Progr. Rep. 59:10-11. July/Sept. 1966. 100 T25F
- 29088 **BLUM, J. C.** Effect of isoriboflavine on the utilization of vitamin B2 by the laying hen. World's Poultry Congr. Proc., 13th Congr.:211. 1966. SF481.W6
- 29089 **BOSMANN, H. B., and CHEN, P. S.** Actinomycin D inhibition of vitamin D- and dihydrochysterol-induced responses in the chick. J. Nutr. 90(4):405-415. Ref. Dec. 1966. 389.8 J82
- 29090 **BRAY, D. J.** The ratio of corn to soybean protein in laying diets—a factor that influences the response to supplemental amino acids. World's Poultry Congr. Proc., 13th Congr.:234. 1966. SF481.W6
- 29091 **BROWN, W. O., and others.** Comparative effects of zinc bacitracin in poultry nutrition. Northern Ireland Res. Agr. Res. 14(2):51-60. Ref. 1965. 10 N81R
N. Jackson, D. W. F. Shannon, and R. B. Fulton, joint authors.
- 29092 **CALET, C., GUILLAUME, J., and ALBES-SARD, A.** Influence of the circadian rate on the chick's alimentary behaviour and growth. World's Poultry Congr. Proc., 13th Congr.:204. 1966. SF481.W6

- 29093 CARLSON, C. W., and others. Biological value of alfalfa xanthophylls for egg yolk pigmentation. U. S. Agr. Res. Serv. ARS-74-36:59-66. 1965. A381 R31Ab
E. Guenther, A. W. Halverson, G. O. Kohler, and D. D. Kuzmicky, joint authors.
Poultry feeding.
- 29094 CELSO, P. M. DI. Influence of lipides in the diet on the reproductive efficiency of hens. (It) Aliment. Anim. 10(5):235-240. May 1966. 389.78 AL4
- 29095 DAGHIR, N. J., HAJJ, R. N., and AKRABAWI, S. S. Studies on peanut meal for broilers. World's Poultry Congr. Proc., 13th Congr.: 238-246. Ref. 1966. SF481.W6
- 29096 DINU, M., SERBAN, S., and VILCU, B. A method for the stimulation of growth and weight of animals. (Rum) Rev. Zootech. Med. Vet. 16(11):13-18. Nov. 1966. 49 P943
Vitamins in poultry nutrition.
- 29097 DONALDSON, W. E. Influence of dietary fat on lipogenesis and fatty acid interconversion. World's Poultry Congr. Proc., 13th Congr.: 196-199. 1966. SF481.W6
- 29098 DUBEN, Z. Evaluation of feed concentrates in the nutrition of poultry. (Cz) Veterinarství 16(8):367-370. Ref. 1966. 41.8 V6439
- 29099 GARTNER, R. J. W., NEWTON, L. G., and BURTON, H. W. Relationships between dietary sodium and potassium, level of meat and bone meal and infectious bronchitis in chickens. Australian Vet. J. 42(10):357-363. Ref. Oct. 1966. 41.8 Au72
- 29100 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Feeding turkeys. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 427, rev., 6 p. Sept. 1966. 10 G79La
- 29101 GRUHN, K. Relations between the concentration of amino acids of different protein feed rations and the concentration of free amino acids in the blood plasma of laying-hens. World's Poultry Congr. Proc., 13th Congr.: 156-161. Ref. 1966. SF481.W6
- 29102 HASELER, F. Observations on fodder consumption and rest periods in broiler chicks in the first ten weeks of life. (Ge) Arch. Geflügelzücht. Tierärz. 15(5):287-316. Ref. 1966. 47.8 Ar22
English summary.
- 29103 HOWES, J. R. A new approach to poultry litter problems. Highlights Agr. Res. [Ala. Sta.] 13(4):14. Winter 1966. 100 AL1H
As feed.
- 29104 HUTT, F. B., and NESHEIM, M. C. Changing the chick's requirement of arginine by selection. Can. J. Genet. Cytol. 8(2):251-259. June 1966. 443.8 C16
- 29105 ISAJEV, F. The effect of supplements of petroleum growth substances on the laying of eggs of poultry. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):511-518. July 1966. 49.9 C33
English summary.
- 29106 KASCHULA, V. R. Manhandling the baby chick. II. Effect of drugs and feed additives. S. Afr. Vet. Med. Ass. J. 37(3):255-259. Ref. Sept. 1966. 41.8 So8
- 29107 KIRCHGESSNER, M., and MULLER, H. L. Macro and minor elements used by chicks with varying additions of vitamin B₆. (Ge) Arch. Tierernähr. 16(2/3):135-140. Ref. May 1966. 389.78 Ar22
English summary.
- 29108 KIRKPATRICK, H. R., and FULTON, R. B. The determination of metabolisable energy values of poultry diets. Northern Ireland Rec. Agr. Res. 14(2):43-49. Ref. 1965. 10 N81R
- 29109 KOCI, S., and PETER, V. The level of nitrogen in chicks and pullets fed with qualitatively differentiated protein rations. (Cz) Pol'nohospodarstvo 12(11):849-854. 1966. 19.5 P752
English summary.
- 29110 KRATZER, F. H., and VOHRA, P. Some factors influencing the availability of minerals for poultry. World's Poultry Congr. Proc., 13th Congr.:166-169. Ref. 1966. SF481.W6
- 29111 LAUTNER, V. The role of natural carotenoid pigments in the nutrition of laying hens. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):485-496. Ref. July 1966. 49.9 C33
English summary.
Scenedesmus.
- 29112 LEACH, R. M., CEBALLOS, E., and NESHEIM, M. C. Recent studies on choline requirements of chicks and hens. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:69-72. 389.79 C81
- 29113 LYON, B. S. J., VOHRA, P., and KRATZER, F. H. Development of poultry diets which do not compete with human food resources. Indian Vet. J. 43(9):830-832. Sept. 1966. 41.8 In2
- 29114 MACGREGOR, H. I., and BLAKELY, R. M. Turkey growing feeds: how form affects rate of growth, gain ratio. Feed Bag 42(12):34-35. Dec. 1966. 389.78 F32
- 29115 MALINOWSKI, A. The differences in nitrogen, fat and mineral substances retention in individuals at the initial stage of growth of chickens. World's Poultry Congr. Proc., 13th Congr.: 187-189. Ref. 1966. SF481.W6
- 29116 MASLIYEV, I. T., and others. Physiological effect of certain nutritional substances in chick rations. World's Poultry Congr. Proc., 13th Congr.:177-181. 1966. SF481.W6
G. Kiryanova, O. Masliyeva, V. Konoplyova, A. Penionzhkevich, and I. Baikovskaya, joint authors.
Protein, cellulose and fat.
- 29117 McDONALD, M. W. Vitamin B12 in chicken diets containing meal. World's Poultry Congr. Proc., 13th Congr.:205-207. Ref. 1966. SF481.W6
- 29118 MELLIERE, A. L., and FORBES, R. M. Effect of altering the dietary cation-anion ration on food consumption and growth of young chicks. J. Nutr. 90(3):310-314. Ref. Nov. 1966. 389.8 J82
- 29119 MORIMOTO, H., and others. Studies on the feeding standard for broiler chicks. (Ja) Chiba-City Nat. Inst. Animal Indus. Spec. Rep. 7,52 p. Ref. Mar. 1966. 49.9 C436
M. Yoshida, H. Hoshii, K. Fujioka, K. Sugiyura, T. Muraoka, T. Kuroda, R. Kawamura, K. Mizutani, K. Takeda, S. Ito, R. Kuroda, Y. Nishikawa, A. Nagao, H. Hirashima, K. Deguchi, A. Kawasaki, M. Uetsuki, M. Aoyama, T. Naito, O. Matsui, T. Orihara, M. Tonouchi, A. Shimizu, K. Izaki, and S. Nagura, joint authors.
English summary.
- 29120 NESHEIM, M. C. Present status of phase feeding of laying hens. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:126-132. 389.79 C81
Protein nutrition; includes effects on egg production.
- 29121 O'DELL, B. L., and SAVAGE, J. E. Arginine-lysine antagonism in the chick and its relationship to dietary cations. J. Nutr. 90(4):364-370. Ref. Dec. 1966. 389.8 J82
- 29122 OLSON, G., and SCOTT, M. L. Studies on the mode of action of selenium. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:123-125. 389.79 C81
In chick and poult nutrition.
- 29123 OSBALDISTON, G. W. The energy and nutrient metabolism of individually reared chickens. Brit. Vet. J. 122(11):479-488. Ref. Nov. 1966. 41.8 V643
Effects of body weight and temperature on food intake.
- 29124 PATRICK, I. A., and KHALOVA, L. Nutritional worth of fermented fish feeds in raising chicken broilers. World's Poultry Congr. Proc., 13th Congr.:219-223. 1966. SF481.W6
- 29125 PAYNE, C. G., and LEWIS, D. Nutrient density in chick diets. World's Poultry Congr. Proc., 13th Congr.:182-186. 1966. SF481.W6

- 29126 PETER, V., and others. The effect of graduated doses of antibiotics on the growth of chicken and on the metabolism of antibiotics in the body. World's Poultry Congr. Proc., 13th Congr., 224-229, 1966. SF481.W6
E. Koci, M. Fellegiova, E. Hustavova, and S. Koci, joint authors.
Added to their diet.
- 29127 QUACKENBUSH, F. W. Xanthophyll analysis in relation to pigmentation. U. S. Agr. Res. Serv. ARS-74-36:53-59. 1965. A381 R31Ab
Alfalfa and corn as dietary components for poultry skin pigmentation.
- 29128 QUISENBERRY, J. H. Feed to food protein conversion ratio—a new method of measuring production efficiency. World's Poultry Congr. Proc., 13th Congr.:171. 1966. SF481.W6
- 29129 ROUS, J., and SKRIVAN, M. Methionine in feed ratios of fattened laying hens. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):505-510. Ref. July 1966. 49.9 C33
English summary.
- 29130 SANZ ARIAS, R., and RODRIGUEZ GUEDAS, J. Vetch (*Vicia sativa* L.) seeds in the feeding of meat poultry. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(1):353-368. Ref. 1965. 41.9 Ov4
English summary.
- 29131 SCOTT, M. L., and PETER, V. The effect of various antibacterial feed supplements on the growth of turkeys. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):519-524. July 1966. 49.9 C33
English summary.
- 29132 SCOTT, M. L. Factors modifying the practical vitamin requirements of poultry. Cornell Nutr. Conf. Feed Manufacturers, Proc. 1966:35-55. Ref. 389.79 C81
- 29133 SHANE, S. M. Interrelationship between diet and disease in the chicken. Cornell Nutr. Conf. Feed Manufacturers, Proc. 1966:56-60. Ref. 389.79 C81
- 29134 SLINGER, S. J., and others. The influence of diet composition and productive function on the effect of pelleting feeds for poultry. World's Poultry Congr. Proc., 13th Congr.:162-165. 1966. SF481.W6
J. D. Summers, W. F. Pepper, H. U. Bentley, and G. Cisneros, joint authors.
- 29135 SMITH, A. J. The use of fat to increase the energy content of broiler feeds. Rhodesia Agr. J. 63(1):19-21. Jan./Feb. 1966. 24 R34
Rations.
- 29136 SPACEK, F., KRIZ, L., and JURCOVA, Z. Study of possibilities of substitution of animal proteins in feed rations of poultry. II-III. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada a Spisy Fak. Agron. 2:263-284. Ref. 1966. 105.92 B833
English summary.
- 29137 SULLIVAN, T. W. Pigmentation potency of different commercial grades of dehydrated alfalfa. U. S. Agr. Res. Serv. ARS-74-36:70-71. 1965. A381 R31Ab
Potency for egg yolk pigmentation.
- 29138 TOUCHBURN, S. P., and NABER, E. C. The energy value of fats for growing turkeys. World's Poultry Congr. Proc., 13th Congr.:190-195. Ref. 1966. SF481.W6
- 29139 YOSHIDA, M., HOSHII, H., and MORIMOTO, H. Lipolytic diet to control carcass fat deposition of growing chicks. World's Poultry Congr. Proc., 13th Congr.:200-202. 1966. SF481.W6
- 29140 YOUNG, R. J. A review of recent observations on the metabolism and function of lipids. Cornell Nutr. Conf. Feed Manufacturers, Proc. 1966:107-110. Ref. 389.79 C81
In poultry nutrition.
Veterinary Medicine
- 29141 ADLAKHA, S. C. A serological investigation to determine respiratory infections of poultry in India. Avian Dis. 10(4):401-404. Ref. Nov. 1966. 41.8 Av5
- 29142 ADLAKHA, S. C. Studies on infectious laryngotracheitis (ILT) virus. Vet. Rec. 79(25):786-787. Dec. 17, 1966. 41.8 V641
Isolated from a chicken.
- 29143 AHMED, A. A. S., and SOLIMAN, M. K. Observations made during a natural outbreak of aegyptianellosis in chickens. Avian Dis. 10(4):390-393. Nov. 1966. 41.8 Av5
Caused by *Aegyptianella pullorum*.
- 29144 AHMED, A. A. S., MOSTAFA, A. M. B., and SOLIMAN, M. K. Studies of spirochaetosis in Fayoumi chickens; the pathology of experimental *Spirochaeta* infection. J. Vet. Sci. United Arab Repub. 2(1):25-36. Ref. 1965. SF604.36
- 29145 BAKER, J. R. Some histochemical studies of the early chick blastoderm. Diss. Abstr., Sect. B, 27(3):994B-995B. Sept. 1966. Z5055.U49D53
- 29146 BALLARINI, G. Clinical contribution to the knowledge of the foreign body syndrome in *Columba livia*. (It) Clin. Vet. 89(9):282-289. Sept. 1966. 41.8 C61
English summary.
- 29147 BANKOWSKI, R. A., and CONRAD, R. D. A new respiratory disease of turkeys caused by virus. World's Poultry Congr. Proc., 13th Congr.:371-379. 1966. SF481.W6
Myxovirus meleagrium.
- 29148 BENOIT, J., and ASSENMACHER, I. Research on the photosensitivity of surface and deep nerve receptors in the gonadostimulation caused by visible radiations in impuberal Pekin duck. (Fr) Acad. Sci. Comp. Rend. Ser. D, 262(26):2750-2752. Ref. June 27, 1966. 505 P21
- 29149 BICKFORD, A. A., and GAFAAR, S. M. Multiple capillariasis in game-farm pheasants. Avian Dis. 10(4):428-437. Nov. 1966. 41.8 Av5
Infection by *Capillaria annulata*, *C. contorta* and *C. caudinflata*.
- 29150 BIGLAND, C. H. Common diseases of noncommercial and pet birds. Can. Vet. J. 7(11):252-259. Ref. Nov. 1966. 41.8 R3224
Includes poultry.
- 29151 BISCHOFF, E. R. The regulation of mitotic activity in the duodenal epithelium of the chick embryo. Diss. Abstr., Sect. B, 27(3):995B-996B. Sept. 1966. Z5055.U49D53
- 29152 BODAYOVA, L., HORAKOVA, V., and TOMANEK, J. Findings on bacteremia in domestic fowl that died after exposure to increasing X-ray doses. (Cz) Czech. Min. Zemedel. Leshimho Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(8):529-536. Ref. Aug. 1966. 41.9 C333
English summary.
Especially *Escherichia coli*.
- 29153 BOKORI, J. Gout in poultry. III-IV. Acta Vet. [Budapest] 16(3):273-292. Ref. 1966. 41.8 Ac83
- 29154 BOORMAN, K. N., and FISHER, H. The absorption of plant sterols by the fowl. Brit. J. Nutr. 20(4):689-701. Ref. 1966. 389.8 B773
- 29155 BORISOV, V. A. Early sexual maturity and egg production of geese. World's Poultry Congr. Proc., 13th Congr.:138-141. Ref. 1966. SF481.W6
- 29156 BRION, A., and others. On the immunogenic properties of a new strain of Newcastle disease virus. (Fr) Acad. Vet. France. Bull. 39(5):165-171. May 1966. 41.9 R24
M. Fontaine, M. P. Fontaine, and D. Le Francois-Chabas, joint authors.
- 29157 BULBENA, J. Notes on virus diseases. (Sp) Rev. Nac. Agr. 60(730):42-44. Feb. 1966. 9.4 R32
Of poultry in Colombia.
- 29158 CAKALA, A. A strain of CELO virus isolated from pheasants. (Pol) Med. Weter. 22(5):261-264. Ref. May 1966. 41.8 M463
English summary.
- 29159 CANTLE, E. T. *Mycoplasma gallisepticum* control. World's Poultry Congr. Proc., 13th Congr.:354-358. Ref. 1966. SF481.W6

- 29160 CAPAUL, E. G. Excretion of neutral 17-keto-steroids in *Gallus domesticus*. (Sp) Rev. Med. Vet. [Buenos Aires] 47(5):379-380, 382-384, 386-388, 390-391. Ref. Sept./Oct. 1966. 41.8 B86 In urine.
- 29161 CARLTON, W. W. Experimental coal tar poisoning in the white Pekin duck. Avian Dis. 10 (4):484-502. Ref. Nov. 1966. 41.8 Av5
- 29162 CENCEV, J., OBRESKOV, K., and SISKOV, H. Diagnosis and control of avian chronic respiratory disease in Bulgaria. World's Poultry Congr. Proc., 13th Congr.:367-370. Ref. 1966. SF481.W6
A *Mycoplasma gallisepticum* infection.
- 29163 CERNY, J., and IVANYI, J. The dose of antigen required for the suppression of the IgM and IgG antibody response in chickens. II. Studies at the cellular level. Folia Biol. [Praha] 12(5):343-353. Ref. 1966. 442.8 F712
- 29164 CHECHOTKIN, A. V. Protein and nucleic acids in the tissues of chickens in the postnatal period and in heterosis. World's Poultry Congr. Proc., 13th Congr.:251-255. Ref. 1966. SF481.W6
- 29165 CHIATTI, C. On a few cases of simple osteoarthritis (articular rheumatism) observed in a few chicken farms. (It) Veterinaria [Milano] 14(2):136-141. Mar./Apr. 1965. 41.8 V6499
- 29166 CHUTE, H. L. The epizootiology of poultry diseases. World's Poultry Congr. Proc., 13th Congr.:346-347. 1966. SF481.W6
- 29167 CLAFFIN, A. J., SMITHIES, O., and MEYER, R. K. Antibody response in bursa-deficient chickens. J. Immunol. 97(5):693-699. Ref. Nov. 1966. 448.8 J8232
- 29169 COLUSI, A. D., GARBINI, J. D., and MARTINEZ, J. Brucella abortus: non-specific agglutinins in sera from poultry suffering from arthritis due to *Salmonella gallinarum* and *S. pullorum* (preliminary note). (Sp) Rev. Med. Vet. [Buenos Aires] 47(5):401-402, 404-406, 408-410. Ref. Sept./Oct. 1966. 41.8 B86 English summary.
- 29169 COSTIN, L. D., and COSTIN, E. A biochemical and antigenic study of the *Salmonella gallinarum*-*Salmonella pullorum* group. (Fr) Inst. Pasteur. Ann. 111(5):592-607. Ref. Nov. 1966. 448.3 An75 English summary.
- 29170 COX, R. W., and O'DELL, B. L. High-resolution electron-microscope observations on normal and pathological elastin. Roy. Microscop. Soc. J. 85(4):401-411. Ref. 1966. 440.9 R81J In chicks.
- 29171 CUNNINGHAM, C. H. Newer information on the properties of infectious bronchitis virus. World's Poultry Congr. Proc., 13th Congr.:416-418. Ref. 1966. SF481.W6
- 29172 CUTURIC, S., HERCEG, M., and GRABAR, B. The occurrence of salmonellosis on a breeding farm of pheasants. (Se) Vet. Glas. 20(8):613-615. Ref. 1966. 41.8 J93
- 29173 DAMS, R., and EUZEBY, J. Trichomoniasis of pigeon. (Fr) Lyon. Soc. Sci. Vet. Bull. 68 (2):107-109. 1966. 41.9 L99
- 29174 DEVOS, A., STAELENS, M., and VIAENE, N. Experiments on toxicity of different *Aspergillus* sp. to chicks. World's Poultry Congr. Proc., 13th Congr.:439-441. 1966. SF481.W6
- 29175 DOROSHKO, I. N., SMIYAN, Y. P., and PANIKAR, I. I. Study of specific biologicals against virus hepatitis in ducklings. World's Poultry Congr. Proc., 13th Congr.:426-430. Ref. 1966. SF481.W6
- 29176 DYML, and MINARIK. A contribution to the article on the causes of poultry losses in large Czechoslovak poultry farms. (Cz) Veterinar-stvi 16(7):318-319. 1966. 41.8 V6439
Reference to the Z. Duben's article in No. 4, 1966.
- 29177 EHRHARDT, J. D., FRITIG, B., and WENIGER, J. P. Preliminary investigations on the formation of radioactive estrone and estradiol by the gonads of the chick embryo. (Fr) Soc. Chim. Biol. Bull. 48(8/9):987-988. Ref. 1966. 383 S01
Use of radioactive tracers.
- 29178 FECHHEIMER, N. S., and JAFFE, W. P. Fertility and embryo death in double-yolked eggs. J. Reprod. Fert. 12(2):363-364. Oct. 1966. 442.8 J8222
- 29179 FELL, H. B., COOMBS, R. R. A., and DINGLE, J. T. The breakdown of embryonic (chick) cartilage and bone cultivated in the presence of complement-sufficient antiserum. I. Int. Arch. Allergy Appl. Immunol. 30(2):146-176. Ref. 1966. 448.8 In8
- 29180 FITZSIMMONS, R. C. Amino acid composition and metabolic interrelationships in the avian embryo. Diss. Abstr., Sect. B, 27(3):719B. Sept. 1966. Z5055.U49D53
- 29181 FOMINA, A., and others. Development of methods for diagnosis and prevention of respiratory mycoplasmosis in fowl. World's Poultry Congr. Proc., 13th Congr.:360-366. Ref. 1966. SF481.W6
G. Grosheva, A. S. Serebryakov, V. A. Shubin, and V. S. Oskolkov, joint authors.
- 29182 FORSYTHE, R. H., ROSS, W. J., and AYRES, J. C. Salmonellae recovery following gastrointestinal and ovarian inoculation in the domestic fowl. World's Poultry Congr. Proc., 13th Congr.:396-400. Ref. 1966. SF481.W6
- 29183 FRASER, D. M. The need for standardisation of serological techniques for the detection of *Mycoplasma gallisepticum* in poultry. Vet. Rec. 79(16):468-469. Oct. 15, 1966. 41.8 V641
- 29184 GALLARDO, A. E. Hepatolymphomatosis with chronic cecal coccidiosis in hybrid, 45-day old poultry. (Sp) Rev. Med. Vet. [Buenos Aires] 47(5):369-370, 372-374, 376-377. Ref. Sept./Oct. 1966. 41.8 B86 French summary.
- 29185 GORDON, W. A. M. Preventive medicine in poultry. Agr. Northern Ireland 41(6):175-177. Oct. 1966. 256.13 Ag82M
- 29186 GRIMINGER, P., and FISHER, H. Anti-hypercholesterolemic action of scleroglucan and pectin in chickens. Soc. Exp. Biol. Med. Proc. 122(2):551-553. June 1966. 442.9 S01
- 29187 GUSEY, A. I. Autoantibodies in the sera of healthy chickens. Folia Biol. [Praha] 12(5):368-373. 1966. 442.8 F712
- 29189 HALPIN, F. B. A search for a hemagglutinating property of the virus of infectious avian encephalomyelitis. Avian Dis. 10(4):513-517. Nov. 1966. 41.8 Av5
- 29189 HAREL, J., and others. Homology between genome of Rous sarcoma virus and the cellular genome. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(9):745-748. Aug. 29, 1966. 505 P21
L. Harel, A. Golde, and P. Vigier, joint authors.
- 29190 HARRISON, D. G., and others. Isolation of poly alpha-L-glutamic acid from the oviduct of the domestic fowl and a possible role in maintenance of fertility. Nature [London] 212(5063):706. Nov. 12, 1966. 472 N21
M. Offor, D. Soo, and P. J. Heald, joint authors.
- 29191 HAWKINS, T. H. Requirements for poultry vaccines. Amer. Vet. Med. Ass. J. 149(12):1774-1776. Dec. 15, 1966. 41.8 Am3
- 29192 HEDDLESTON, K. L. Immunologic and serologic comparison of three strains of Pasteurella multocida. Cornell Vet. 56(2):235-241. Apr. 1966. 41.8 C81
In poultry.
- 29193 HELMBOLDT, C. F., and JORTNER, B. S. Histologic patterns of the avian embryonic nephroma. Avian Dis. 10(4):452-462. Ref. Nov. 1966. 41.8 Av5

- 29194 HENDERSON, W. Summary of the principal poultry diseases diagnosed in the North Central Poultry Disease Conference area for the year 1965. *Avian Dis.* 10(4):529-534. Nov. 1966. 41.8 Av5
- 29195 HERMAN, C. M., KNISLEY, J. O., and SNYDER, E. L. Subincubation as a technique in the diagnosis of avian Plasmodium. *Avian Dis.* 10(4):541-547. Ref. Nov. 1966. 41.8 Av5
Transfer of a Plasmodium from wild geese to domestic geese.
- 29196 HLIKURO, S., and MORIMOTO, H. A study of manganese metabolism in the growing chickens. *World's Poultry Congr. Proc.*, 13th Congr.:342-343. 1966. SF481.W6
- 29197 HILL, C. D. Amino acid deficiencies and reaction of chicks to *Salmonella gallinarum*. *Avian Dis.* 10(4):383-389. Nov. 1966. 41.8 Av5
Effect of varying levels of arginine and methionine on resistance to fowl typhoid.
- 29198 HOJE, J. How the egg is made—rhythm in egg production. (No) *Fjorle* 83(10):220-222, 224-230. Oct. 1966. 47.8 T432
- 29199 HOW FIVE experts evaluate progress against leucosis. *Broiler Indus.* 29(12):20-22, 24, 26-27. Dec. 1966. 47.8 N45
Panel discussion; moderator: S. C. Schmitt; panel members: B. R. Burmester, B. W. Calnek, R. K. Cole, M. Sevoian, and W. S. Staples.
- 29200 HUCHZERMEYER, F. W. Leucocytozoon schoutedeni Rodhain, Pons, Vandendranden and Bequaert, 1913, in the domestic chicken, *Gallus domesticus* in Rhodesia. (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.) 19(3):323-330, map. Ref. 1966. 41.8 R3262
English summary.
- 29201 HUEBNER, R. J. Diseases of the avian leukosis complex; a commentary on the conference deliberations. *Avian Dis.* 10(4):441-452. Ref. Nov. 1966. 41.8 Av5
Technical Workshop Conference on Diseases of the Avian Leukosis Complex, October 13-15 1965, Athens, Georgia.
- 29202 HWANG, J. Duck hepatitis virus in duck embryo liver cell cultures. *Avian Dis.* 10(4):508-512. Nov. 1966. 41.8 Av5
- 29203 ISHIZAKI, R., and VOGT, P. K. Immunological relationships among envelope antigens of avian tumor viruses. *Virology* 30(3):375-387. Ref. Nov. 1966. 44.8 V81
Rous sarcoma and leukosis complex.
- 29204 IVANKO, S., KARLUBIK, M., and KYSELOVIC, J. Study of metabolism of sulfates in poultry eggs during incubation. (Cz) *Polnohospodarstvo* 12(9):717-725. Ref. 1966. 19.5 P752
English summary.
- 29205 IVANOV, N. Absorption of sugars and amino acids in the digestive tract of fowls. Chemical factors of the permeability of intestinal mucosa. *World's Poultry Congr. Proc.*, 13th Congr.:285-287. 1966. SF481.W6
- 29206 IVOREC-SZYLIT, O., and SZYLIT, M. Contribution to the study of breakdown of carbohydrates in the crop of the cock. I. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):353-360. 1965. 44.2 An75
English summary.
Formation of lactic acid.
- 29207 JACKSON, C. Pullorum disease can be eradicated. *New S. Wales, Dep. Agr. Poultry Notes*, Oct. 1966:7-10. 47.9 N472
- 29208 JACOBS, L., and MELTON, M. L. Toxoplasmosis in chickens. *J. Parasitol.* 52(6):1158-1162. Ref. Dec. 1966. 44.8 J824
- 29209 JAKSCH, W., and HROMATKA, L. Poultry diseases in Austria and their economic importance. (Ge) *Wien. Tierarztl. Monatsschr.* 53(9):597-610. Ref. Sept. 1966. 41.8 T345
- 29210 JENSEN, L. S. Intestinal site of calcium and phosphorus excretion and absorption in chicks as influenced by dietary protein. *World's Poultry Congr. Proc.*, 13th Congr.:328-331. Ref. 1966. SF481.W6
- 29211 JEROCH, H., and ANKE, M. Incorporation and distribution of ^{52}Mn originating from different manganous salts in laying-hens. *World's Poultry Congr. Proc.*, 13th Congr.:337-341. Ref. 1966. SF481.W6
- 29212 JERSTAD, A. C. Serum fraction requirements of *Mycoplasma gallisepticum*. *Avian Dis.* 10(4):438-441. Nov. 1966. 41.8 Av5
- 29213 JOHNSON, L. G. Diurnal patterns of metabolic variations in chick embryos. *Biol. Bull.* 131(2):308-322. Ref. Oct. 1966. 44.2.8 B52
- 29214 KARAPETIAN, S. K. Light factor and higher nervous activity in poultry. *World's Poultry Congr. Proc.*, 13th Congr.:298-301. 1966. SF481.W6
- 29215 KARG, H., and SCHAMS, D. The functional dynamics of the adrenomedullary hormone in chicken. I. Adrenalin and noradrenalin concentrations in suprarenal glands of chicken at different ages. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(22):434-437. Ref. Nov. 15, 1966. 41.8 B45
English summary.
- 29216 KHANNA, P. N. Occurrence of avian adenoviruses in Hungary. *Acta Vet. [Budapest]* 16(3):351-356. Ref. 1966. 41.8 Ac83
- 29217 KISELYOV, C. I., and GAVSHINA, L. Energy reserves of the skeletal muscles and the oviduct in chickens in relation to age and physiological condition. *World's Poultry Congr. Proc.*, 13th Congr.:263-267. Ref. 1966. SF481.W6
- 29218 KLIMES, B. Prevention and therapy of poultry aspergillosis. *World's Poultry Congr. Proc.*, 13th Congr.:436-438. 1966. SF481.W6
- 29219 KODINEZ, G. A. Partial amputation of the wing in chicks. (Ge) *Fleischermeister* 20(7):181. July 1966. 50.8 F622
- 29220 KOHLER, G. O., PALTER, R., and GUGGOLZ, J. Upgrading wheat feeds. *U. S. Agr. Res. Serv. ARS-74-35:87-94.* Aug. 1966. A381 R31Ab
For poultry and ruminant feeding.
- 29221 KOZIC, L., and others. Enteritis of chicks caused by *Welchia [perfringens] agni var. padudis C. (Se)* *Vet. Glas.* 20(6):609-611. 1966. 41.8 J93
R. Katic, Z. Vukicevic, B. Djukic, and S. Silbatic, joint authors.
English summary.
- 29222 KRISTEN, H., POPPE, S., and WIESEMULLER, W. Investigations on protein metabolism of chicks. I. "Lysine balance." (Ge) *Arch. Geflügelzucht Kleintierkunde* 15(5):317-323. Ref. 1966. 47.8 Ar22
English summary.
- 29223 KROSLAK, V., and HORVATH, J. Immunization against the Newcastle disease with the vaccine of lentogenous virus La Sota. (Cz) *Veterinar-stvi* 16(8):363-366. 1966. 41.8 V6439
- 29224 LECLERCQ, B., AGOT, A., and BLUM, J. C. Study of triglyceride biosynthesis during the oogenesis of *Gallus gallus L.*: distribution of natural fatty acids and elaidic acid on the different alcohol functions of glycerol in laid eggs and in reserve fats. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(24):2540-2542. June 13, 1966. 505 P21
- 29225 LITRICH, V., MARJANOVIC, D., and PAUNOVIC, S. Blood picture of chicks and goslings suffering from perosis. (Se) *Vet. Glas.* 20(8):619-620. 1966. 41.8 J93
- 29226 LOCATELLI, A., and RONDENGHI, F. Experimental remarks on poultry of various breeds submitted to treatment with testosterone propionate in the first days of their embryonal development. (It) *Veterinaria [Milano]* 15(5):286-290. Ref. Sept./Oct. 1966. 41.8 V6499
English summary.
- 29227 LONGNECKER, B. M., BREITENBACH, R. P., and FARMER, J. N. The role of the bursa of Fabricius, spleen and thymus in the control of a *Plasmodium lophurae* infection in the chicken. *J. Immunol.* 97(5):594-599. Ref. Nov. 1966. 44.8 J8232

- 29228 LUKERT, P. D. Immunofluorescence of avian infectious bronchitis virus in primary chicken embryo kidney, liver, lung, and fibroblast cell cultures. *Arch. Gesamte Virusforsch.* 19(3): 265-272. Ref. 1966. 448.3 Ar23
- 29229 MALLICK, B. B., and RAO, S. B. V. Efficacy of Neftin in fowl typhoid. II. *Indian Poultry Gaz.* 50(2):3-4. July 1966. 47.8 In22
Baby chicks.
- 29230 MANGAN, G. L., and KING, M. G. Initial and resultant population densities in chickens between brooding and sexual maturity. *Science* 154(3756):1568-1569. Dec.23,1966. 470 Sci2
- 29231 MANWELL, R. D., and STONE, W. B. The role of anemia in pinottil malaria of pigeons. *J. Parasitol.* 52(6):1145-1149. Dec.1966. 448.8 J824
Plasmodium pinottil as causal agent.
- 29232 MAREK, K., and ROSZKOWSKI, J. Avian encephalomyelitis of chicks. (Pol) *Med. Veter.* 22(5):257-261. Ref. May 1966. 41.8 M463
English summary
- 29233 MATIS, J., and SOKOL, F. Adenosine triphosphatase associated with Newcastle disease virus; conditions for its optimum activity. *Acta Virol.* 10(5):383-392. Ref. Sept.1966. 448.3 Ac85
- 29234 MAY, K. N., and HAMDY, M. K. Bruising of poultry—a review. *World's Poultry Sci. J.* 22(4):316-322. Ref. Oct./Dec.1966. 47.8 W89
- 29235 MCLOUGHLIN, D. K., and CHUTE, M. B. Preliminary laboratory trials with Novostat in *Elmiera* tenella infections. *Avian Dis.* 10(4):410-412. Nov.1966. 41.8 Av5
Poultry.
- 29236 MENKE, K. H., and SARIF-SARBAN, M. Incorporation of cobalt into nucleic acids of the chick embryo. *Nature* 212(5064):821-822. Nov.19,1966. 472 N21
- 29237 MLADENOVIC, Z., SIBALIC, S., and SLAVICA, M. Possibilities of the protection of chicks against the cecal coccidiosis by vaccines with irradiated oocysts. (Se) *Vet. Glas.* 20(7):527-530. 1966. 41.8 J93
English summary.
- 29238 MOREHOUSE, N. F. Are there resistant strains of coccidia? *Feeds Illus.* 17(12):20-21. Dec.1966. 389.78 F326
In poultry; includes control.
- 29239 MOSCOVICI, C., and MACINTYRE, E. H. Effect of avian myeloblastosis virus in the Japanese quail. *J. Bacteriol.* 92(4):1141-1149. Ref. Oct. 1966. 448.3 J82
- 29240 MOSS, E. P. The role of the nuclei in the growth of skeletal muscle. *World's Poultry Congr. Proc., 13th Congr.:262.* 1966. SF481.W6
- 29241 MOSTERT, G. C. A post-mortem aging study on the tenderness of turkey meat as affected by age, sex and strain. *Diss. Abstr., Sect. B*, 27(2):341B. Aug.1966. Z5055.U49D53
- 29242 MUKHERJEE, R., and BHAMBRI, S. C. Detection of milligram amounts of mowrin (a toxic saponin of mahua [Madhwa indica] seeds) in feeds. *Indian J. Vet. Sci. Anim. Husb.* 36(1):29-32. Mar.1966. 41.8 In22
Caused poisoning to chicken.
- 29243 NAKAJO, S., and IMAI, K. Gonadotropin contents in anterior pituitary and blood plasma during the molting period of the hen. *World's Poultry Congr. Proc., 13th Congr.:295-297.* 1966. SF481.W6
- 29244 NORTHEASTERN CONFERENCE ON AVIAN DISEASES. COMMITTEE ON NOMENCLATURE AND REPORTING OF DISEASE. Report. *Avian Dis.* 10(4):535-541. Nov.1966. 41.8 Av5
Summary of poultry diseases.
- 29245 OBRESKOV, K. The course and diagnosis of the infectious bronchitis of poultry in Bulgaria. (Se) *Vet. Glas.* 20(7):515-518. 1966. 41.8 J93
English summary.
- 29246 OLSON, L. D. Gross and histopathological description of the cranial form of chronic fowl cholera in turkeys. *Avian Dis.* 10(4):518-529. Nov.1966. 41.8 Av5
- 29247 OLSON, N. O., and KERR, K. M. Some characteristics of an avian arthritis viral agent. *Avian Dis.* 10(4):470-476. Ref. Nov.1966. 41.8 Av5
- 29248 PAUKOVIC, C., and KATARINCIC, M. Application of the new antibiotic tilan in the control of mycoplasmosis in chicks. (Se) *Vet. Glas.* 20(8):617-618. 1966. 41.8 J93
- 29249 PAULSON, C. W., HANSEN, M. F., and MO-SER, H. C. Distribution of S35 in some components of tissues and organs of *Ascaridia galli* (Nematoda) after CS235 exposure. *Exp. Parasitol.* 18(2):211-219. Ref. Apr.1966. 436.8 Ex7
- 29250 PECKHAM, M. C. An outbreak of streptococcosis (apoptectiform septicemia) in White Rock chickens. *Avian Dis.* 10(4):413-421. Ref. Nov. 1966. 41.8 Av5
- 29251 PERRAMON, A. A note on simplified method of serial immunization of poultry. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):413-415. 1965. 442.8 An75
- 29252 POOLE, H. K., and OLSEN, M. W. Relative ooporphyrin content and porphyrin forming capacity of wild-type and white-egg Japanese quail uterine tissue. *Soc. Exp. Biol. Med. Proc.* 122(2):596-598. June 1966. 442.9 So1
- 29253 PRINCE, W. R., and GARREN, H. W. Some physiological aspects of natural resistance to *Salmonella gallinarum* in chickens. *World's Poultry Congr. Proc., 13th Congr.:395.* 1966. SF481.W6
- 29254 PROKOFEYVA, M., GUROVA, Y., and KIP-RICH, V. V. Serological diagnosis of avian mycoplasmosis. *World's Poultry Congr. Proc., 13th Congr.:348-353.* Ref. 1966. SF481.W6
- 29255 RAGGI, L. G., and others. Responses of turkey hens inoculated with a mesogenic strain of Newcastle disease virus. *Avian Dis.* 10(4):556-563. Ref. Nov.1966. 41.8 Av5
G. G. Lee, A. S. Rosenwald, and F. Gramenzi, joint authors.
- 29256 RAISBECK, B. Isochromosomes in the chicken. *Nature [London]* 212(5063):727-728. Nov.12, 1966. 472 N21
- 29257 RAO, S. B. V., and KAPOOR, K. N. The control of the chronic respiratory disease by antibiotic therapy. *Indian Poultry Gaz.* 50(2):5-6. July 1966. 47.8 In22
- 29258 REDDY, M. V., RAMACHANDRAN, P. K., and RAMACHANDRAN, S. Histopathological studies on experimental avian spirochaetosis in chicks. *Indian J. Vet. Sci. Anim. Husb.* 36(1):1-12. Ref. Mar.1966. 41.8 In22
- 29259 REID, W. M. Relationship between flock immunity to six species of Coccidia and loss of coccidiostats. *World's Poultry Congr. Proc., 13th Congr.:453-455.* 1966. SF481.W6
- 29260 REID, W. M., and MURPHY, C. D. Relationships between coccidiostats and coccidiosis control. *Ga. Vet.* 18(6):7-10. Nov./Dec.1966. 41.8 G29
In poultry.
- 29261 RESHETNYAK, V. Z. Specific preventive measures against avian spirochaetosis. *World's Poultry Congr. Proc., 13th Congr.:420-423.* Ref. 1966. SF481.W6
- 29262 ROGULSKA, T. The development of the pelvic girdle of the chick embryo (*Gallus domesticus* L.) after the extirpation of the posterior limb bud. *Zool. Pol.* 15(1):65-76. Ref. 1965. 410 Z712
- 29263 ROKICKI, E. Preliminary investigations concerning the influence of high peat litter upon the intensity of invasion of hens by *Ascaridia galli* and *Heterakis gallinae*. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:195-198. 1965. 49.9 W26
English summary.
- 29264 ROTHENBACHER, H., and SCHWARTZ, L. D. Tendon rupture condition of broilers and roasters being investigated. *Sci. Farmer [Penn. Sta.]* 14(1):5. Fall 1966. 100 P381S

- 29265 RUCINSKI, T. Influence of incubation on the blood sedimentation rate and on some components of blood plasma in hens. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD. 20:63-66. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 29266 RUCKEBUSCH, Y., LAPLACE, J. P., and GRIVEL, M. L. Differential effect of age in chicken on body temperature and oxygen consumption. (Fr) Paris. Soc. Biol. Compt. Rend. 159(11):2222-2227. 1965. 442.9 P21
- 29267 RUEDY, D. D., BAKER, E. D., and TEAL, M. E. The incidence of Mycoplasma gallisepticum, Salmonella pullorum, Salmonella typhimurium, and Newcastle disease virus antibodies in certain Wisconsin chickens. Avian Dis. 10(4):407-409. Nov. 1966. 41.8 Av5
- 29268 SANZ PEREZ, B. On the effects of "Largactil" (2-chloro-10 (3-dimethylaminopropyl)-phenothiazine) on poultry. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):369-386. Ref. 1965. 41.9 Ov4
English summary.
- 29269 SATO, G., SATO, A., and MIURA, S. Isolation of Arizona from a snake (Elaphe climacophora) in Hokkaido. Jap. J. Vet. Res. 14(1/2):63-64. June 1966. 41.8 V6446
Probable transmission to poultry.
- 29270 SAVOV, D. Escherichia coli in the pathology of fowl. World's Poultry Congr. Proc., 13th Congr.:381-387. Ref. 1966. SF481.W6
- 29271 SCHMIDT FUNES, E., and HEVIA HOFFMANN, E. Laryngotracheitis; investigation on the production and concentration of antibodies in the egg yolk. (Sp) Gac. Vet. 27(180):286-294. July 1965. 41.8 G12
Transmission of immunity.
- 29272 SEIFERT, J., and RIMAN, J. Regulatory mechanisms linked with RNA synthesis of avian leukaemic myeloblasts, I-II. Neoplasma 13(4):391-409. Ref. 1966. 41.8 N353
- 29273 SELVARAJAH, T. Variation of the pituitary prolactin secretion in the domestic fowl. Malaysian Agr. J. 45(1):76-88. Ref. Jan. 1965. 22.5 F312
Physiological basis of broodiness.
- 29274 SELYANSKY, V. M. Gaseous exchange, heat production, and water metabolism in birds. World's Poultry Congr. Proc., 13th Congr.: 275-279. 1966. SF481.W6
- 29275 SENNEL, P., and THEVENET, A. Modalities in cicatrization of the dorsal ectoderm in chick embryos in the presence and absence of neural tube. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(3):278-280. July 18, 1966. 505 P21
- 29276 SHARMA, S. N., RAMACHANDRAN, S. P., and NILAKANTAN, P. R. Studies on the haemolysis-inhibition antibodies in fowls immunized with Newcastle disease vaccine. Indian J. Vet. Sci. Anim. Husb. 36(1):13-17. Mar. 1966. 41.8 In22
- 29277 SHERBET, G. V. The inhibitory effects of calf thymus-histone fractions on the development of the chick embryo. J. Embryol. Exp. Morphol. 16(1):159-170. Ref. Aug. 1966. 442.8 J829
- 29278 SHIMABAYASHI, Y., and IWAMOTO, K. Biochemical studies during the development of the chick embryo. IV. Agr. Biol. Chem. 30(10): 947-955. Ref. Oct. 1966. 385 Ag8B
- 29279 SICCARDI, F. J. Effect of vaccination during an outbreak of Newcastle disease on a broiler-breeder chicken farm in Nigeria. Avian Dis. 10(4):422-427. Ref. Nov. 1966. 41.8 Av5
- 29280 SILLER, W. G., and HEMSLEY, L. A. The incidence of congenital heart disease in seven flocks of broiler chickens. Vet. Rec. 79(16): 451-454. Oct. 15, 1966. 41.8 V641
- 29281 SIMI, M. Some notes on vaccinal protection of poultry against a few virus diseases. (It) Veterinaria [Milano] 15(5):304-321. Sept./Oct. 1966. 41.8 V6499
- 29282 SIMPSON, R. W., and HAUSER, R. E. Influence of lipids on the viral phenotype. I. Interaction of myxoviruses and their lipid constituents with phospholipases. Virology 30(4):684-697. Ref. Dec. 1966. 448.8 V81
Includes Newcastle disease virus.
- 29283 SINKOVIC, B. Variation in virulence of infectious laryngotracheitis virus applied by tracheal and conjunctival routes. World's Poultry Congr. Proc., 13th Congr.:408-411. Ref. 1966. SF481.W6
- 29284 SIRIEX, J. M. Les Leucocytotoxins [Leucocytotoxin]. Alfort. Ecole Nat. Vet. These 22,83 p. 1966. 41.2 AL23
Bibliography, p. 77-83.
Includes poultry.
- 29285 SLADKA, O., GAZO, M., and FATRANSKA, M. The effect of different photoperiodism on the reserves of vitamin A in the liver of poultry. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):497-504. July 1966. 49.9 C33
English summary.
- 29286 SLESINGER, L., SEVCIK, V., and DEDEK, J. The effect of liguosulfonates on the blood picture, on the coloring substances of bile and on the enzymatic activity of poultry with hypochromic anemia. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):525-530. Ref. July 1966. 49.9 C33
English summary.
- 29287 SOLIMAN, M. K., and others. Cytological and biochemical studies on the blood constituents of normal and spirochete-infected chickens. Avian Dis. 10(4):394-400. Ref. Nov. 1966. 41.8 Av5
A. A. S. Ahmed, S. El Amrousi, and I. H. Moustafa, joint authors.
- 29288 SOLOMON, J. J., GLATT, K. A., and OKAZAKI, W. Inhibitory effect of hepatitis on Rous sarcoma virus. J. Bacteriol. 92(6):1855-1856. Dec. 1966. 448.3 J82
- 29289 SOLOMON, J. J., BURMESTER, B. R., and FREDRICKSON, T. N. Investigations of lymphoid leukosis infection in genetically similar chicken populations. Avian Dis. 10(4):477-484. Ref. Nov. 1966. 41.8 Av5
Includes Rous sarcoma virus studies.
- 29290 SOLOV'YEV, I. A. Development of receptors with annular nerve apparatus in the esophagus of chicks. (Rus) Akad. Nauk SSSR. Dokl. 170(2): 435-438. 1966. 511 P444A
- 29291 SPECKMANN, E. W., and RINGER, R. K. Volume-pressure relationships of the turkey aorta. Can. J. Physiol. Pharmacol. 44(6):901-907. Ref. Nov. 1966. 444.8 C16
- 29292 SREBOCAN, V. The effect of the environment on the function of adrenal gland of poultry. I. The effect of hunger and thirst on the reaction of the adrenal gland. (Se) Vet. Arh. 36(7/8): 185-192. Ref. 1966. 41.8 V6416
English summary.
- 29293 STAPLES, K. J. Fowl pox, a costly disease cheaply prevented. S. Australia J. Agr. 70(4): 132-134. Nov. 1966. 23 So84
- 29294 STEBBINGS, M. E., and GRAY, D. E. An annotated bibliography of surveys of the incidence of diseases of farm animals and birds in Great Britain, supplement for 1962-1965. III. Brit. Vet. J. 122(1):495-499. Nov. 1966. 41.8 V643
Poultry and minks.
- 29295 STOENESCU, V., and others. The coexistence of avitaminosis, mycoplasmosis and pox in poultry. (Ge) Arch. Vet. 1(2):75-80. 1966. 41.8 Ar27
C. Surdan, S. Sandulescu, and C. Vior, joint authors.
English summary.
- 29296 STOENESCU, V., VIOR, C., and SANDULESCU, S. Non-specific positive reactions to pulorum antigen in the rapid whole-blood agglutination test. Arch. Vet. 1(2):81-97. 1966. 41.8 Ar27

- 29297 TAYLOR, D. L., OLSON, N. O., and BURRELL, R. G. Adaptation of an avian arthritis viral agent to tissue culture. *Avian Dis.* 10(4):462-470. Nov. 1966. 41.8 Av5
- 29298 TAYLOR, P. A. Mycotic pneumonia in pigeons. *Can. Vet. J.* 7(11):262-263. Nov. 1966. 41.8 R3224
Caused by *Aspergillus fumigatus*.
- 29299 TING, I. P., and SHERMAN, I. W. Carbon dioxide fixation in malaria. I. Kinetic studies in *Plasmodium lophurae*. *Compar. Biochem. Physiol.* 19(4):855-869. Ref. Dec. 1966. 444.8 C73
Ducks.
- 29300 TRAGER, G. W., and RUBIN, H. Rous sarcoma virus production from clones of nontransformed chick embryo fibroblasts. *Virology* 30(2):266-274. Oct. 1966. 448.8 V81
- 29301 TRUMIC, P., and LOLIN, M. The agglutination phenomenon of erythrocytes of poultry by the blood serum of healthy swine. (Se) *Vet. Glas.* 20(6):439-446. 1966. 41.8 J93
English summary.
- 29302 TUNKL, B., ALERAJ, Z., and PAUKOVIC, C. Study of the attenuated fowl pox virus and its application in the protection of poultry farms against the fowl pox. (Se) *Vet. Glas.* 20(7):521-525. Ref. 1966. 41.8 J93
English summary.
- 29303 TURBATOVIC, R., MARKOVIC, B. S., and MAJSTOROVIC, G. Preparation of the vaccines against the pox and diphtheria from the poultry C virus strain. (Se) *Vet. Glas.* 20(7):519-520. 1966. 41.8 J93
English summary.
- 29304 VASIC, B., and VASIC, N. Multiplication of diphtheria and fowl pox viruses in chick embryo fibroblast culture. (Se) *Vet. Glas.* 20(7):549-553. 1966. 41.8 J93
English summary.
- 29305 VASIC, N., ERCEGOVAC, D., and VASIC, B. Immunogenic properties of the NDV "Mukteswar" strain grown on the culture of chick embryo fibroblasts. III. A contribution to the study of the active immunity against the Newcastle disease in chicks from immune laying hens. (Se) *Vet. Glas.* 20(8):603-608. 1966. 41.8 J93
English summary.
- 29306 VESTAL, O. H., and STEPHENS, J. F. The relative pathogenicity of selected paratyphoids for chicks. *Avian Dis.* 10(4):502-507. Nov. 1966. 41.8 Av5
Salmonella spp.
- 29307 VETTERLING, J. M., and DORAN, D. J. Schizogony and gametogony in the life cycle of the poultry coccidium, *Eimeria acervulina* Tyzzer, 1929. *J. Parasitol.* 52(6):1150-1157. Dec. 1966. 448.8 J824
- 29308 WARREN, E. W., BALL, S. J., and MACKENZIE, D. R. The incidence of drug-resistant strains of *Eimeria* species in chickens in Great Britain, 1964-65. *Brit. Vet. J.* 122(12):534-543. Ref. Dec. 1966. 41.8 V643
Causing coccidiosis.
- 29309 WHEELLOCK, E. F. Virus replication and high-titered interferon production in human leukocyte cultures inoculated with Newcastle disease virus. *J. Bacteriol.* 92(5):1415-1421. Ref. Nov. 1966. 448.3 J82
- 29310 WILLIAMS, J. E., and WHITTEMORE, A. D. Hemagglutinating properties of 565 avian strains of *Salmonella typhimurium* isolated in the U.S.A. *World's Poultry Congr. Proc.*, 13th Congr.:389-394. Ref. 1966. SF481.W6
- 29311 WYNOHRADNYK, V., and others. Laboratory researches on the immunizing value of some attenuated strains of Newcastle disease virus. *Arch. Vet.* 1(2):41-54. Ref. 1966. 41.8 Ar27
M. Papadopol, P. Dinculescu, I. Suhaci, and E. Sasu, joint authors.
- 29312 YATES, V. J. A message to poultry owners about Newcastle disease from a man who's had it. *R. L. Agr.* 12(4):3. Oct. 1966. 100 R342
A veterinarian.
- 29313 YOUNGNER, J. S., and others. Interferon production by inactivated Newcastle disease virus in cell cultures and in mice. *J. Bacteriol.* 92(4):862-868. Ref. Oct. 1966. 448.3 J82
A. W. Scott, J. V. Hallum, and W. R. Stinebring, joint authors.
- 29314 ZAMBERG, J. The epidemiology of avian encephalomyelitis in Israel. *World's Poultry Congr. Proc.*, 13th Congr.:402-407. Ref. 1966. SF481.W6
- 29315 ZARZUELO, E. Diagnosis of Newcastle disease. (Sp) *Veterinaria [Madrid]* 31(11):667-673. Nov. 1966. 41.8 V6429
- 29316 ZELIKO, M., and PAUKOVIC, C. Experimental application of vaccines against the infectious bronchitis: preliminary report. (Se) *Vet. Glas.* 20(7):545-547. 1966. 41.8 J93
English summary.
Poultry.
- 29317 ZHMURIN, L. M., and MIKHAILOV, V. I. Influence of amino acids on formation of sex in chickens. *World's Poultry Congr. Proc.*, 13th Congr.:280-283. Ref. 1966. SF481.W6
- 29318 ZHURNAKOVA, M., SHORSHNEV, V. I., and PIROG, P. P. Atypical reactions to tuberculin in chickens. *World's Poultry Congr. Proc.*, 13th Congr.:432-435. 1966. SF481.W6
- 29319 ZIEGLER, K. The vaccination of poultry against syngamosis. (Cz) *Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(9):569-578. Sept. 1966. 41.9 C333
English summary.
- 29320 ZUCKERMAN, A. Propagation of parasitic protozoa in tissue culture and avian embryos. *N. Y. Acad. Sci. Ann.* 139(1):24-38. Ref. Oct. 7, 1966. 500 N484
Ducks and chicks.
- 29321 ZUFFA, A., and others. Preventive immunization against virus hepatitis of ducks. (Cz) *Veterinarství* 16(11):490-495. 1966. 41.8 V6439
K. Cernik, V. Rajtar, and J. Zuffova, joint authors.
English summary.

Miscellaneous

- 29322 BRESSLER, G. O., and MAW, A. J. G. High density and environmental control key to efficient egg production. *World's Poultry Congr. Proc.*, 13th Congr.:468-473. Ref. 1966. SF481.W6
- 29323 COOPER, G. H. Second Rhodesia sample egg laying test, 1965: final report. *Rhodesia Agr. J.* 63(2):44-45. Mar./Apr. 1966. 24 R34
- 29324 GODFREY, E. F., and WINN, P. N. Temperature and humidity—their effects on broiler performance. *Feedstuffs* 38(52):34-35, 38-39. Dec. 31, 1966. 286.8 F322
Includes feed conversion.
- 29325 GOODWIN, K. The environment and problems in selection for disease resistance in the fowl. *World's Poultry Sci. J.* 22(4):299-315. Ref. Oct. Dec. 1966. 47.8 W89
- 29326 KHEONG, C. K. Some incubation and hatchery practices in Malaya and Singapore. *Malayan Agr.* 5:61-83. Ref. 1964/65. 22.5 K952
- 29327 LAMPMAN, C. E. Lighting for laying hens. *Idaho Univ. Ext. Idaho. Curr. Inform. Ser.* 34, 2 p. Sept. 1966. 275.29 Id31dc
- 29328 LASZLO, MRS. L. Our poultry farming (1961-1965). (Hu) *Statist. Szemle* 44(11):1088-1096. Nov. 1966. 266.5 SZ2M
English summary.
- 29329 MEHNER, A., and TORGES, H. G. The moult; its duration and temperature during moulting and their effect on egg quality. *World's Poultry Congr. Proc.*, 13th Congr.:289-294. 1966. SF481.W6
- 29330 MITTERHAUSEROVA, M., GAZO, M., and MARDIAK, J. The effect of the method of housing of ducks on properties of eggs. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(7):531-535. Ref. July 1966. 49.9 C33
English summary.

- 29331 MORRIS, T. R., and OWEN, V. M. The effect of light intensity on egg production. World's Poultry Congr. Proc., 13th Congr.:458-461. 1966. SF481.W6
- 29332 NILSEN, S. When the chicks arrive and care after that. (No) Fjorfe 83(11):235-237, 239-241. Nov. 1966. 47.8 T432
- 29333 NORDSKOG, A. W. Poultry random sample testing in the U.S.—trends and accomplishments. World's Poultry Congr. Proc., 13th Congr.:143-147. 1966. SF481.W6
- 29334 NOWLAND, W. T. Force moulting. New S. Wales, Dep. Agr. Poultry Notes, Oct. 1966:2-6. 47.9 N472
- 29335 ORSZAGH, V., and RESOVSKY, S. On the problem of raising laying hens on slatted flooring. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(7):537-542. July 1966. 49.9 C33
English summary.
- 29336 PIGAREV, N. V., LANTING, Y., and PIGAREVA, M. Light pattern for replacement pullets and hens kept in batteries. World's Poultry Congr. Proc., 13th Congr.:462-467. 1966. SF481.W6
Effects on growth and egg production.
- 29337 ROBERTSON, J., and others. Studies on the composition of food. I. Some differences in the composition of broiler and free range chickens. Brit. J. Nutr. 20(4):675-687. Ref. 1966. 389.8 B773
M. S. Vipond, D. Tapsfield, and J. P. Greaves, joint authors.
- 29338 ROKICKI, E. Preliminary environment investigations in a laying house with unchanged peat litter. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:189-194. 1965. 49.9 W26
English summary.
- 29339 SAINSBURY, D. W. B. Controlled environment poultry housing. World's Poultry Congr. Proc., 13th Congr.:474-479. Ref. 1966. SF481.W6
- 29340 VAN NIEKERK, G. P. Rearing chickens. Rhodesia Agr. J. 63(4):77-81. July Aug. 1966. 24 R34
- 29341 WALUSZEWSKA-BUBIEN, A. Avian bony remnants from early medieval excavations in Kruszwica. (Pol) Wrocław. Wyższa Szkoła Roln. Zeszyty Nauk. Weter. 18:149-155. Ref. 1965. 41.9 B753
English summary.
Includes domestic species.
- 29342 WORLD'S POULTRY CONGRESS, 13, KIEV, 1966. Proceedings: section papers. Kiev, 1966. 648 p. Ref. SF481.W6
Some papers have summaries only; some have titles only.

RABBITS

Breeds and Breeding

- 29343 AMANN, R. P. Effect of ejaculation frequency and breed on semen characteristics and sperm output of rabbits. J. Reprod. Fertil. 11(2):291-293. Apr. 1966. 442.8 J8222
Dutch and New Zealand White.
- 29344 FUSSELL, E. N., ROUSSEL, J. D., and AUSTIN, C. R. Single-handed artificial insemination of rabbits. Inst. Anim. Tech. J. 17(3):103-105. Sept. 1966. QL55.15
- 29345 JUDGES, K. C. Orecchie d'oro: introduzione all'allevamento del coniglio da carne [Golden ears: introduction to the raising of the meat rabbit]. Ed. 3. 72 p. (Universale Edagricole, No. 19) SF453.J82
Translation of Golden Ears.
- 29346 MCFEE, A. F., EBLEN, J. R., and WELCH, P. R. Influence of collection frequency on post-irradiation sperm output by rabbits. J. Reprod. Fertil. 11(2):287-289. Apr. 1966. 442.8 J8222
- 29347 WALLACE, J. C., WALES, R. G., and WHITE, I. G. The respiration of the rabbit epididymis and its synthesis of glycerylphosphorylcholine. Australian J. Biol. Sci. 19(5):849-856. Ref. Oct. 1966. 442.8 Au72
- 29348 ZELNIK, J. The formation of the Slovak gray blue Rex rabbit breed from the point of view of genetics. (Cz) Pol'nohospodarstvo 12(8): 645-651. 1966. 19.5 P752
English summary.

Feeds and Feeding

- 29349 FOX, C., MUNDY, L., and PORTER, G. A comparison between two pelleted diets fed to young rabbits; with some observations on cost-ine. Inst. Anim. Tech. J. 17(2):61-65. June 1966. QL55.15

Veterinary Medicine

- 29350 ADAMSON, D. M., and COZAD, G. C. Immunoelectrophoretic studies of sera from rabbits experimentally infected with *Histoplasma capsulatum*. J. Bacteriol. 92(4):887-891. Ref. Oct. 1966. 448.3 J82
- 29351 BENNETT, F. W., and FOSTER, J. W. Antigenicity and ability of lactic streptococcal bacteriophage to penetrate skins of rabbits and mice. J. Dairy Sci. 49(11):1350-1356. Ref. Nov. 1966. 44.8 J822
Possible application to study of ability of viruses in general to pass through the skin of animals.
- 29352 BEYER, T. V., and OVCHINNIKOVA, I. P. A cytophotometrical investigation of the cytoplasmic RNA content in the course of oocyst formation in the intestinal rabbit coccidia *Eimeria intestinalis* Cheissin, 1948. Acta Protozool. 4 (9):75-80. Jan. 3, 1966. 439.8 Ac8
- 29353 BROWN, E., and FOOTE, R. H. The effect of plastic devices in the uterine lumen on pregnancy and parturition in the rabbit. J. Reprod. Fertil. 12(2):373-375. Ref. Oct. 1966. 442.8 J8222
- 29354 CRANDALL, R. B., BELKIN, L. M., and SADDALLAH, S. Complement staining with fluorescent antibody for detection of antibody in experimental trichinosis. J. Parasitol. 52(6): 1219-1220. Dec. 1966. 448.8 J824
Includes rabbits.
- 29355 DUNSMORE, J. D. Influence of host reproduction on numbers of trichostrongylid nematodes in the European rabbit, *Oryctolagus cuniculus* (L.). J. Parasitol. 52(6):1129-1133. Dec. 1966. 448.8 J824
- 29356 MORANDI, L. A case of necrobacillosis—Schmorl's disease—in the rabbit. (It) Veterinaria [Milano] 14(5):423-424. Sept./Oct. 1965. 41.8 V6499
- 29357 PATYRA, S., ZIOLO, T., and NAGORNA-STASIAK, B. Influence of coumarin on the histological and histochemical picture of the parenchymatous organs of the rabbit. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD, 20:45-52. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 29358 PATYRA, S., NAGORNA-STASIAK, B., and PYTASZ, M. Spasmolytic action of coumarin on the muscular coat of the intestine and on the urinary bladder of the rabbit. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD, 20:21-35. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 29359 RAJEWSKY, K. Rabbit antibody to pig lactic dehydrogenase reacting with the rabbit's own enzyme. Immunochimistry 3(6):487-489. Ref. Nov. 1966. 448.3 Im62
- 29360 SILVESTRI, A. Observations in a case of pasteurellosis in the hare and domestic rabbit. (It) Veterinaria [Milano] 15(4):218-221. July Aug. 1966. 41.8 V6499
English summary.

- 29361 SOLIMAN, F. A., and ABDO, M. S. Thyrotrophic and thyroid hormone levels in the blood of rabbits during fracture healing. *J. Vet. Sci. United Arab Repub.* 2(1):57-62. Ref. 1965. SF604.J6
- 29362 STEPIN, V. S. Influence of resection of regional lymphatic glands on production of antibodies in rabbits vaccinated and revaccinated with brucellosis vaccine. (Rus) *Byul. Eksp. Biol. Med.* 62(10):52. Oct.1966. 442.8 B87 English summary.
- 29363 TYBURCZYK, M., NAGORNA-STASIAK, B., and PYTASZ, M. Coaguloplasmin of the blood plasma and the erythrocyte picture in rabbits with experimental anaemias and polycythaemia. (Pol) *Lublin, Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:11-20. Ref. 1965, pub.1966. 512 L96Ad English summary.
- 29364 VOJENCIK, J., and KEVEK, J. Collecting blood in rabbits. (Cz) *Veterinarství* 16(11): 524-525. 1966. 41.8 V6439
- 29365 WAWRZYŃIAK, M. Histochemical activity of some enzymes in the mesencephalon during the ontogenetic development of the rabbit and guinea pig. III. Development of acetylcholinesterase and monoamine oxidase in the non-tectal portion of the midbrain of the rabbit. *Lublin, Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:153-167. Ref. 1965, pub.1966. 512 L96Ad
- Miscellaneous
- 29366 LANKFORD, L. T., and MINER, J. J. Rabbit production. *Ark. Univ. Ext. Circ.* 487, rev., 21 p. June 1966. 275.29 Ar4
- 29367 OKO, Z. Distribution of the rabbit (*Oryctolagus cuniculus* L.) in south-eastern Poland. (Pol) *Poznan, Wyższa Szkoła Roln. Roczn.* 22: 123-132, map. Ref. 1965. 106.2 P872 English summary. As pests.
- 29368 OKO, Z. Materials concerning the appearance of the rabbit (*Oryctolagus cuniculus* L.) on the western recuperated territories. (Pol) *Poznan, Wyższa Szkoła Roln. Roczn.* 22:133-141, map. 1965. 106.2 P872 English summary. As pests.
- 29369 PICCIONI, M. Meat rabbits. (It) *Avvenire Agr.* 74(11):262-264. Nov.1966. 16 Av9 Care and breeds.
- SHEEP AND GOATS
- Breeds and Breeding
- 29370 BERTONE, E. Notes on Karakul sheep production in the USSR. *World Rev. Anim. Prod.* 3: 77-88. July/Sept.1966. 49 W89
- 29371 BRANNY, J., PILCH, J., and WIERZBOWSKI, S. Low temperature freezing of ram semen. I-II. (Pol) *Med. Weter.* 21(5):290-292; (7):432-433. May, July 1966. 41.8 M463
- 29372 BROADBENT, J. S., and WATSON, J. H. Factors governing the shape of the growth curve of body weight and the age at slaughter of Suffolk X Welsh lambs. *Anim. Prod.* 8(3):435-444. Oct.1966. 49 An55
- 29373 CALHEIROS, F. C., and MORAIS, M. J. G. DE. Merinos—early meat producers. (Fr) *Mouton* 21(4):39-40. Apr.1966. 45.8 M86 In Portugal.
- 29374 CALLE ESCOBAR, R. Improvement and productivity of sheep in Peru. (Sp) *Vida Agr. [Lima]* 42(502/503):451,453-466. Sept./Oct. 1965. 9.8 V66
- 29375 CAMPBELL, D. A swing to British breeds. *Beef Sheep Farming* 3(10):22. Dec.1966. 43.8 B392 Sheep, in Australia.
- 29376 DEVENDRA, C. Goat breeds of Malaysia. *Malaysian Agr. J.* 45(3):268-274. Ref. Jan. 1966. 22.5 F312
- 29377 DOKOV, V., and SAVOV, T. Research on the morphology of the skin of rams of Mutton Merino, Plevin Blackhead and Native Highland breeds. (Bu) *Zhivotnovudni Nauk.* 3(1):111-124. 1966. 49 Z65 French summary.
- 29378 FREGEAT, M. After the special contest of 1965 of the Lacaune breed. (Fr) *Patre* 127:32-33. Oct.1965. 45.8 P272
- 29379 GJEDREM, T. Progeny testing of bucks. (No) *Sau Gett* 19(3):68-69. June 1966. 45.8 Sa8
- 29380 HULET, C. V. Effects of various treatments with 6-methyl-17-acetoxypregesterone (MAP) on subsequent fertility in ewes. *J. Reprod. Fertil.* 11(2):283-286. Apr.1966. 442.8 J8222
- 29381 JANKOWSKI, S., and TALANKIEWICZ-MOROZ, L. The results of fattening of crossbred type sheep. (Pol) *Warsaw, Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:63-67. 1965. 49.9 W26 English summary. Leicester and Merino.
- 29382 KEDZIERSKA, W. Application of silage in fattening of sheep of the crossbred type. (Pol) *Warsaw, Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:77-34. Ref. 1965. 49.9 W26 English summary. Lowicz x Leicester x Swiniarka.
- 29383 KEDZIERSKA, W. Comparison of mutton qualities of Merino sheep and crossbred types. (Pol) *Warsaw, Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:69-76. 1965. 49.9 W26 English summary.
- 29384 KOOISTRA, D., VOS, M. P. M., and POLITIEK, R. D. Effect of genetic and environmental factors on fleece weight and wool quality of Texel sheep. (Du) *Landbouwkundig Tijdschr.* 78(2):79-83. Feb.1966. 105.2 Or3 English summary.
- 29385 EL MEKKAWI, F. M. Progesterone and pregnant mare serum (PMS) in the control of lambing percentages in Awasi ewes. *J. Vet. Sci. United Arab Repub.* 2(1):49-56. Ref. 1965. SF604.J6
- 29386 MONTEMURRO, O., CIANCI, D., and BELLITTI, E. The physical qualities of wool fibres in sheep of the Moretta breed. (It) *Bari. Univ. Fac. Agr. Ann.* 19:307-343. 1965, pub.1966. 105.4 B232 English summary. Carapella breed.
- 29387 MORAILLON, P., YALCIN, N., and LAMBERET, P. Vascotomy of the ram on the farm. (Fr) *Patre* 125:17-19. July 1965. 45.8 P272
- 29388 MURDOCH, R. N., and WHITE, I. G. Factors affecting the metabolism of acetate and glucose by ram and bull spermatozoa. *Australian J. Biol. Sci.* 19(5):857-870. Ref. Oct.1966. 442.8 Au72
- 29389 NAWARA, W. Właściwości i przydatność futrzarska skor jagniąt merynosa polskiego [Study upon the characteristics and utility for fur purposes of Polish Merino lamb skins (with reference to selection indices)]. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 188, 56 p. Ref. 1935. 49.9 K35W English summary.
- 29390 NAWARA, W., and others. Wycena trykow na podstawie badania warstosci potomstwa w ziając oceny trykow Instytutu Zootechniki za rok 1963 [Progeny testing of rams at the ram testing stations of the Institute of Zootechnics in 1963]. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 182, 101 p. 1965. 49.9 K35W M. Osikowski, I. Kluz, and M. Modeliska, joint authors. English summary. Of Merino and Polish Mountain breeds.
- 29391 O'SHEA, T., and WALES, R. G. The aerobic metabolism of ram spermatozoa. *J. Reprod. Fertil.* 11(2):263-273. Ref. Apr.1966. 442.8 J8222
- 29392 O'SHEA, T., and WALES, R. G. Effect of casein, lecithin, glycerol, and storage at 5°C on diluted ram and bull semen. *Australian J. Biol. Sci.* 19(5):871-882. Ref. Oct.1966. 442.8 Au72

Feeds and Feeding

- 29393 PRUD'HON, M., and others. A study on the results of a six year breeding of "Merinos d'Arles" ewes ("Domaine du Merle"). (Fr) Ann. Zotech. 15(2):123-133. Ref. 1966. 49 F84
I. Denoy, L. Dauzier, and A. Desvignes, joint authors.
English summary.
- 29394 QUITTET, E. Some thoughts on the breeds. (Fr) Mouton 20(12):109-110. Dec. 1965. 45.8 M86
- 29395 RADOMSKA, M. J., and KOZANECKI, A. Preliminary observations on the heredity of "thread" in wool with the Polish Merino sheep. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zotech. 4:119-124. 1965. 49.9 W26
English summary.
- 29396 RADOMSKA, M. J., and GJERGJI, F. The results of fattening of Polish Merino sheep. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zotech. 4:57-61. 1965. 49.9 W26
English summary.
- 29397 RADOMSKA, M. J., and LACH, A. Some observations on the topography of staple length in sheep of crossbred type. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zotech. 4:97-102. 1965. 49.9 W26
English summary.
- 29398 RESTALL, B. J., and WALES, R. G. The fallopian tube of the sheep. IV. The metabolism of ram spermatozoa in the presence of fluid from the fallopian tube. Australian J. Biol. Sci. 19(5):883-893. Ref. Oct. 1966. 442.8 Au72
- 29399 ROBERTS, R. Mating identification the easy way. S. Australia J. Agr. 70(4):122-123. Nov. 1966. 23 So84
Sheep breeding.
- 29400 ROMA. ISTITUTO SPERIMENTALE ZOOTECHNICO. Experiments of acclimatization of a pure breed and industrial crossbreeding. (Fr) Patre 126:16-23. Aug./Sept. 1965. 45.8 P272
- 29401 RUTHERFORD, J. H. Greatest year ever for Romney. New Zeal. Studmasters' Annu. Rev. 18:65-72. 1966. 49.7 N48
- 29402 RYDER, M. L. Wool from Samuel Marsaen's sheep and other contemporary Merinos. Textile Inst. J. 57(9):T377-T382. Ref. Sept. 1966. 73.9 T31
- 29403 SLIWA, Z. Crossing Leszcynska sheep with Polish Merino and Kent as an introduction to forming a type of crossbred wool sheep. (Pol) Poznan. Wyższa Szkoła Roln. Rocz. 24:181-222. Ref. 1965. 106.2 P872
English summary.
- 29404 SMALL, E. M. Border Leicester: vital role to play in sheep improvement. New Zeal. Studmasters' Annu. Rev. 18:92-94. 1966. 49.7 N48
- 29405 SMALL, E. M. Suffolks for quality lean meat. New Zeal. Studmasters' Annu. Rev. 18:87-88. 1966. 49.7 N48
- 29406 STIPANCEVIC, LJ. Biopsy of testis of rams, its application in the diagnosis of sterility and the effect of operation on the quality of semen. (Se) Veterinaria [Sarajevo] 15(2):203-221. 1966. 41.8 V6494
English summary.
- 29407 VESELY, J. A., and PETERS, H. F. Feedlot performance of five breeds of sheep and their carcass characteristics. Can. J. Anim. Sci. 46(3):139-148. Ref. Dec. 1966. 41.8 C163
- 29408 WALES, R. G., and O'SHEA, T. Effect of low levels of carbon dioxide on the metabolism of ram and bull spermatozoa. J. Reprod. Fertil. 11(2):171-180. Ref. Apr. 1966. 442.8 J8222
- 29409 WYSZOMIRSKA, H. Characteristic of total covered area of belly in sheep of crossbred wool. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zotech. 4:103-109. 1965. 49.9 W26
English summary.
- 29410 BAJCETIC, B., and others. The fattening of lambs on mountain and lowland pastures. (Se) Veterinaria [Sarajevo] 15(1):37-42. 1966. 41.8 V6494
D. Maksimovic, N. Tahirovic, and J. Mulic, joint authors.
English summary.
- 29411 BEACOM, S. E. The effect of moistening on the relative feeding value of ground forages fed alone to growing lambs and with grain to fattening lambs. Can. J. Anim. Sci. 46(3):191-201. Ref. Dec. 1966. 41.8 C163
- 29412 BENNETT, D. The effect of stilboestrol diproionate and leguminous pastures on the mammary secretion of ewes. Australian Vet. J. 42(10):364-368. Ref. Oct. 1966. 41.8 Au72
- 29413 DALLEINNE, E. Preparation of the soils and temporary prairies for the sheep. (Fr) Patre 129:17-21. Dec. 1965. 45.8 P272
- 29414 DALLEINNE, E. Pro and con of "free-service." (Fr) Patre 138:15-18. Nov. 1966. 45.8 P272
In feeding.
- 29415 DAMMERS, J., and DIJKSTRA, N. D. Digestibility and food value of wild oats (Avena fatua). (Du) Landbouwkundig Tijdschr. 78(2):84-86. Feb. 1966. 105.2 Or3
English summary.
Tested on sheep and swine.
- 29416 DEVENDRA, C. Studies in the nutrition of the indigenous goat of Malaya. I. The body measurements, composition of sample joints and their relationship to carcass composition. Malaysian Agr. J. 45(4):345-369. Ref., p. 366-369. July 1966. 22.5 F312
- 29417 FENNER, H., and BARNES, H. D. Effect of feeding reed canary [Phalaris canariensis] hay and corn silage, pure and combined, on digestibility and acceptability for sheep and cows. J. Dairy Sci. 49(11):1454-1458. Ref. Nov. 1966. 44.8 J822
- 29418 FJELDBERG, O. Sheep on forest pasture. (No) Sam Geit 19(3):69-70. June 1966. 45.8 Sa8
- 29419 FORBES, T. J., and ROBINSON, J. J. Winter management of in-lamb ewes with special reference to housing and feeding. Northern Ireland. Rec. Agr. Res. 15(1):1-11. Ref. 1966. 10 N81R
- 29420 GOYENECHEA, J. E., MARTI, J. M. F., and MINOLA, J. Meadows and sheep. (Sp) Soc. Rural Argent. An. 100(9):40-42, 45-46, 48-50. Sept. 1966. 9 So1
Nutrition and pasture management.
- 29421 HUBBARD, J. C. E., and RANWELL, D. S. Cropping Spartina salt marsh for silage. Brit. Grassland Soc. J. 21(3):214-217. Sept. 1966. 60.19 B773
Spartina townsendii fed to sheep.
- 29422 JOSHI, D. C., and LUDRI, R. S. The chemical composition and nutritive value of Timia (Ficus roxburghii) and Kharik (Celtis tetrandia) tree fodders. Indian Vet. J. 43(9):833-837. Sept. 1966. 41.8 In2
Trials with sheep.
- 29423 MILLER, W. J., and others. Effects of zinc deficiency per se and of dietary zinc level on urinary and endogenous fecal excretion of ^{65}Zn from a single intravenous dose by ruminants. J. Nutr. 90(3):335-341. Ref. Nov. 1966. 389.8 J82
D. M. Blackmon, G. W. Powell, R. P. Gentry, and J. M. Hiers, joint authors.
Tests on goats and cattle.

- 29424 MILLER, W. J., and others. Influence of zinc deficiency on zinc and dry matter content of ruminant tissues and on excretion of zinc. *J. Dairy Sci.* 49(11):1446-1453. Ref. Nov.1966. 44.8 B782
- D. M. Blackmon, R. P. Gentry, G. W. Powell, and H. F. Perkins, joint authors.
Trials with goats and calves.
- 29425 STAHLIN, A. Observations on English sheep and cattle on enclosed pasture. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(45):1674,1676,1678. Nov.10,1966. 18 N39
Includes pasture management and ecology.
- 29426 VUJIC, B., PAVLOVIC, S., and GRUS, I. Results of the use of copper sulfate as feed supplement. (Se) *Vet. Glas.* 20(4):265-270. Ref. 1966. 41.8 J93
English summary.
Sheep.
- 29427 YOUNG, V. R., LUICK, J. R., and LOFGREEN, G. P. The influence of dietary phosphorus intake on the rate of bone metabolism in sheep. *Brit. J. Nutr.* 20(4):727-732. Ref. 1966. 369.8 B773
- 29428 ZIEBA, D., DEJNEKA, J., and LEROCH, Z. Effect of dry and green fodder on the rumen movements in sheep. (Pol) *Wroclaw. Wyzsza. Szkoła Roln. Zeszyty Nauk. Weter.* 18:79-85. 1965. 41.9 B753
English summary.
- 29429 ZORITA TOMILLO, E., RODRIGUEZ GUEDAS, J., and BALBOA MARTIN, J. Poultry manure in the feeding of ruminants. I. Experiments with pregnant and lactating ewes. (Sp) *Oviedo. Univ. Fac. Vet. Leon. An.* 11(11):335-352. Ref. 1965. 41.9 Ov4
English summary.
- Veterinary Medicine
- 29430 ADELAAR, T. F., TERBLANCHE, M., and TRUETER, G. J. A note on the toxicity of ferric chloride. *S. Afr. Vet. Med. Ass. J.* 37(3):307-309. Sept.1966. 41.8 So8
In sheep and goats.
- 29431 ALLER GANCEDO, B. Investigations on the ruminal microflora of sheep in Leon, and the factors which influence their qualitative composition. (Sp) *Oviedo. Univ. Fac. Vet. Leon. An.* 11(11):11-106. 1965. 41.9 Ov4
English summary.
Bibliography, p.89-96.
- 29432 ARNAUTOVIC, L., and BEVANDIC, M. Thymus of the sheep from birth up to the sexual maturity. (Se) *Veterinaria [Sarajevo]* 15(1):51-56. Ref. 1966. 41.8 V6494
English summary.
- 29433 ARVY, L., and MAULEON, P. Evolution of the carboxylic esterase activity, histochemically disclosed, in the yellow body of the ewe. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2171-2175. 1955. 44.9 P21
- 29434 BADNJEVIC, B. Paratuberculosis of sheep in Bosnia and Herzegovina. (Se) *Veterinaria [Sarajevo]* 15(1):111-117. Ref. 1966. 41.8 V6494
English summary.
- 29435 BAREJ, W., KUSALEK, G., and RONDIO, Z. A method of obtaining blood from the portal vein in sheep by means of a polyethylene tube. (Pol) *Acta Physiol. Polon.* 17(4):695-698. July/Aug.1966. 44.8 Ac8
English summary.
- 29436 BARKER, C. A. V. Experience with progesterone-impregnated vaginal pessaries for estrus control in sheep and goats. *Amer. Vet. Med. Ass. J.* 149(12):1576-1579. Dec.15,1966. 41.8 Am3
- 29437 BARKER, C. A. V. Progesterone impregnated vaginal pessaries for oestrous cycle synchronization in sheep. *Can. Vet. J.* 7(9):189-192. Sept.1966. 41.8 R3224
- 29438 BARNECKI, W. Studies on the content of hormonal iodine (PBI) in the blood of sheep and goats. (Pol) *Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Weter.* 18:95-98. 1965. 41.9 B753
English summary.
- 29439 BHALLA, N. P., BHALLA, R. C., and SHARMA, G. L. Haematological values of healthy hill-goats. *Indian J. Vet. Sci. Anim. Husb.* 36(1):33-39. Ref. Mar.1966. 41.8 In22
- 29440 BIRO, J., OLAH, P., and PALATKA, Z. Attempt to adapt the lapinized hog cholera virus strain "Savac" to sheep. *Acta Vet. [Budapest]* 16(3):293-300. Ref. 1966. 41.8 Ac3
- 29441 BORAY, J. C., and HAPPICH, F. A. Tests on the anthelmintic efficiency of Hilomil against immature and mature *Fasciola hepatica* in sheep and on its toxicity. *Vet. Rec.* 79(13):358-363. Sept.24,1966. 41.8 V641
A mixture of 3,5-dibromosalicylic acid-4'-bromanilid and 5-bromosalicylic acid-4'-bromanilid.
- 29442 BOST, J., and DORLEAC, E. The effects of cold on the levels of non-esterified fatty acids in sheep blood. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2209-2212. 1965. 44.9 P21
- 29443 BOST, J., and PUECHI, R. New research related to chronic fistulas of the digestive system of the sheep. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(2):123-132. Ref. 1966. 41.9 L99
Abomasal fistulas.
Includes discussion.
- 29444 BRADLEY, W. As. Epidural analgesia for tail docking in lambs. *Vet. Rec.* 79(25):787-788. Dec.17,1966. 41.8 V641
- 29445 BROWN, J. M. M., and DE BOOM, H. P. A. Advances in geeldikkop (Tribulosis ovis) research. 9. The epizootiology of enzootic icterus. *S. Afr. Vet. Med. Ass. J.* 37(3):321-337. map. Ref. Sept.1966. 41.8 So8
- 29446 BRUNSDON, R. V. A comparison of the spring-rise phenomenon in the faecal nematode-egg counts of housed sheep with that of sheep grazing infective pasture. *New Zeal. Vet. J.* 14(9):145-151. Ref. Sept.1966. 41.8 N483
- 29447 BRUNSDON, R. V. The immunity of sheep to *Trichostrongyle* infestations following reduction of the circulating leucocyte count by oral administration of chlorambucil: a further study of the spring-rise phenomenon. *New Zeal. Vet. J.* 14(10):161-167. Oct.1966. 41.8 N463
- 29448 BUTLER, W. F. Aortic rupture in a ewe: case report. *Vet. Rec.* 79(23):666-667. Dec.3,1966. 41.8 V641
- 29449 CAIRNEY, I. M. Synchronisation of oestrus. *New Zeal. Meat Prod.* 11(2):40. Nov.1,1966. 50.8 N48
In sheep.
- 29450 CHROUST, K. On the problem of control of intestinal helminthiasis in sheep and cattle. (Cz) *Veterinarstvi* 16(11):496-498. 1966. 41.8 V6439
- 29451 CLARK, D. E., YOUNGER, R. L., and AYALA, C. H. Toxicosis and residues in bromophosph-dipped sheep. *J. Agr. Food Chem.* 14(6):608-609. Nov./Dec.1966. 381 J8223
- 29452 CLARK, R. Melamine crystalluria in sheep. *S. Afr. Vet. Med. Ass. J.* 37(3):349-351. Sept. 1966. 41.8 So8
- 29453 COOPER, B. S., and JULL, D. J. Local reactions in sheep to clostridial vaccines. *New Zeal. Vet. J.* 14(10):171-175. Oct.1966. 41.8 N483
- 29454 CORNWELL, R. L. Controlled laboratory trials in sheep with the anthelmintic pyrantel tartrate. *Vet. Rec.* 79(21):590-595. Nov.19, 1966. 41.8 V641
Trans-1-methyl-2-[2-(a-thienylvinyl)]-1,4, 5,6-tetrahydropyrimidine tartrate used for the control of various nematodes.
- 29455 CORNWELL, R. L. Field trials in sheep with the anthelmintic pyrantel tartrate. I. Comparative trials in the prevention of *Nematodirus* infection in lambs. *Vet. Rec.* 79(22):626-629. Ref. Nov.26,1966. 41.8 V641
- 29456 CORNWELL, R. L. Field trials in sheep with the anthelmintic pyrantel tartrate. II. Comparative trials in the prevention of parasitic gastro-enteritis. *Vet. Rec.* 79(24):723-728. Dec.10,1966. 41.8 V641

- 29457 CRENSHAW, M. C., MESCHIA, G., and BAR-
RON, D. H. Role of progesterone in inhibition of
muscle tone and respiratory rhythm in foetal
lambs. *Nature* 212(5064):842. Nov.19,1966.
472 N21
- 29459 CROOKSHANK, H. R. Effect of sodium or pot-
assium on ovine urinary calculi. *J. Anim. Sci.*
25(4):1005-1009. Nov.1966. 49 J82
- 29459 DEANESLY, R. The effects of purified sheep
lutinizing hormone on the guinea-pig ovary.
J. Reprod. Fertil. 11(2):303-395. Apr.1966.
442.8 J8222
- 29460 DOBSON, C. Cellulose acetate electrophoresis
of the serum proteins of sheep: a study of de-
velopmental changes in young lambs. *Austrian
J. Exp. Biol. Med. Sci.* 44(5):575-579. Ref.
Oct.1966. 442.8 Au7
- 29461 DOW, C., and MCFERRAN, J. B. Experimental
studies on Aujeszky's disease in sheep. *Brit.
Vet. J.* 122(11):464-470. Nov.1966. 41.8 V643
- 29462 DOWNING, S. E., TALNER, N. S., and GARD-
NER, T. H. Influences of arterial oxygen ten-
sion and pH on cardiac function in the newborn
lamb. *Amer. J. Physiol.* 211(5):1203-1208.
Ref. Nov.1966. 447.8 An3
- 29463 DUBIENSKA, W. Intensity of egg excretion by
gastro-intestinal Strongylata of sheep during
the annual cycle as studied in the Zielona Gora
voivodship. (Pol) *Wroclaw. Wyzsza Szkoła
Roln. Zeszyty Nauk. Weter.* 18:157-169. Ref.
1965. 41.9 B753
English summary.
- 29464 EASTOE, R. D. Mulesing by contract: "you
yard them and we do the rest." *Agr. Gaz. New
S. Wales* 77(8):466-467, map. Aug.1966.
23 N472
- 29465 FARRAG, H., and OOF, F. Etiology of goat
mastitis in U. A. R. *Indian Vet. J.* 43(9):771-
777. Ref. Sept.1966. 41.8 In2
- 29466 FEVRE, J., and ROMBAUTS, P. Urinary ex-
cretion of estrogens by the pregnant ewe. (Fr)
Ann. Biol. Anim. Biochim. Biophys. 6(2):165-
177. Ref. 1966. 442.8 An75
English summary.
- 29467 FITZSIMMONS, W. M. The effect of tetrami-
sole on the parasitic stages of *Trichostrongylus
colubriformis* in experimentally infected
goats. *Vet. Rec.* 79(21):599-600. Nov.19,1966.
41.8 V641
- 29468 FOOTE, W. C., and HULET, C. V. Ovarian and
uterine responses to PMS and 17-beta-oestra-
diol in progesterone-treated ewes. *J. Reprod.
Fertil.* 11(1):51-56. Ref. Feb.1966.
442.8 J8222
- 29469 FORSYTH, B. A. Tetramisole: a new anthel-
mintic for sheep. *Australian Vet. J.* 42(11):
412-419. Nov.1966. 41.8 Au72
For the treatment of gastro-intestinal nema-
todes and lungworms.
- 29470 GARDINER, M. R. Fungus-induced toxicity in
lupinus. *Brit. Vet. J.* 122(12):508-516. Ref.
Dec.1966. 41.8 V643
Cytospora or Pleospora on lupine, toxic to
sheep in Australia.
- 29471 GAWTHORNE, J. M., SOMERS, M., and
WOODLIFF, H. J. Cobalt deficiency anaemia
in sheep. *Australian J. Exp. Biol. Med. Sci.*
44(5):585-588. Oct.1966. 442.8 Au7
- 29472 GIBSON, T. E. An evaluation of the anthelm-
intic tetramisole using the improved controlled
test. *Vet. Rec.* 79(21):601-602. Nov.19,1966.
41.8 V641
Tested on sheep against *Haemonchus contor-
tus* and *Trichostrongylus colubriformis* infec-
tion.
- 29473 GJEDREM, T. Analysis of wool from selected
ram lamb fall 1965. (No) *Sau Geit* 19(3):76-77.
June 1966. 45.8 Sa8
- 29474 GOT, K., POLYA, G. M., and POLYA, J. B.
Structural proteins of microsomal subfractions
from sheep brain. *Nature [London]* 212(5063):
714-715. Nov.12,1966. 472 N21
- 29475 GRABER, M. Action of a new anthelmintic
drug, tetramisole (16,535 R.P.), on some
helminths of sheep in Chad Republic. (Fr)
Rev. Elevage Med. Vet. Pays Trop. (n.s.) 19(3):
283-306. 1966. 41.8 R3262
English summary.
- 29476 GRIGORIU, N., CARP, N., and PETROVSKY,
M. Study on the improvement of vaccine
against anaerobic bacterial diseases in sheep.
(Rus) *Arch. Vet.* 1(2):99-109. Ref. 1966.
41.8 Ar27
English summary.
Clostridium spp.
- 29477 GRUS, I. Economic aspects of the treatment
of dicercosis in sheep with helmin. (Se)
Veterinaria [Sarajevo] 15(2):255-259. Ref.
1966. 41.8 V6494
English summary.
- 29478 GURALP, N., and OZCAN, C. Bithionol in the
treatment of *Fasciola gigantica* infection in
sheep. *Brit. Vet. J.* 122(10):450-452. Ref.
Oct.1966. 41.8 V643
In Turkey.
- 29479 HART, R. J., and LEE, R. M. Cholinesterase
activities of various nematode parasites and
their inhibition by the organophosphorus anthel-
mintic Haloxon. *Exp. Parasitol.* 18(3):332-
337. Ref. June 1966. 436.8 Ex7
Of sheep and swine.
- 29480 HEAP, R. B., and LINZELL, J. L. Arterial
concentration, ovarian secretion and mam-
mary uptake of progesterone in goats during
the reproductive cycle. *J. Endocrinol.* 36(4):
389-399. Ref. Dec.1966. 448.8 J8293
- 29481 HIEPE, T., and ZIMMERMANN, H. Experimen-
tal trichostrongylid infection and its effects
on the wool quality of Mutton Merino sheep.
(Ge) *Monatsh. Veterinarmed.* 21(17):641-645.
Ref. Sept.1,1966. 41.8 M742
English summary.
- 29482 HINSCH, O. M. More about goldenrod (*Solidago
chilensis* Meyen). (Sp) *Gac. Vet.* 27(180):295-
298. July 1965. 41.8 G112
Toxic to sheep in Argentina.
- 29483 HJELLE, A. Borrelia-like organisms in the
urine of lambs suffering from eczema facialis.
Nature 212(5064):856-857. Nov.19,1966.
472 N21
- 29484 HOGAN, K. G., RIS, D. R., and HUTCHINSON,
A. J. An attempt to produce copper deficiency
in sheep by dosing molybdate and sulphate.
New Zeal. J. Agr. Res. 9(3):691-698. Ref.
Aug.1966. 23 N4892
- 29485 HORAK, I. G., and CLARK, R. The pathologi-
cal physiology of helminth infestations. II.
Oesophagostomum columbianum. *Onderstepoort
J. Vet. Res.* 33(1):139-159. Ref. June
1966. 41.8 On1
In sheep.
- 29486 HORE, D. E. Isolation of ovine strains of para-
influenza virus serologically related to type 3.
Vet. Rec. 79(16):466-467. Oct.15,1966.
41.8 V641
- 29487 HORNE, A. W. The management of a colony of
experimental goats; disease incidence and other
problems. *Roy. Army Vet. Corps. J.* 37(1):2-
12. Ref. Spring 1966. 41.8 G79
- 29488 HOSHINO, S., SARUMARU, K., and MORIMOTO,
K. Ammonia anabolism in ruminants. *J.
Dairy Sci.* 49(12):1523-1528. Ref. Dec.1966.
44.8 J822
Sheep.
- 29489 HOWELL, P. G. Multiplication of an attenuated
RVII strain (type SAT12) of foot-and-mouth dis-
ease virus in sheep. *Onderstepoort J. Vet.
Res.* 33(1):15-24. Ref. June 1966. 41.8 On1
- 29490 HUTCHINSON, K. J. Bodyweight criteria and
post shearing deaths. *Australian Soc. Anim.
Prod. Proc.* 6:229-233. 1966. 49.9 Au72
In sheep.

- 29491 ITO, R. Occurrence of tanned erythrocyte agglutinating factor in various mammalian sera. *Nature* 212(5062):626-627. Nov. 5, 1966. 472 N21
Includes sheep.
- 29492 IVANOV, I. S. Secretory activity of liver in sheep depending on functional activities of thyroid gland. (Rus) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:55-59. Ref. July/Aug. 1966. 442.8 AL6
- 29493 JANAKIRAMAN, K., and others. Effects of intra-uterine spirals and hormones on the uterine histology of the ovariectomized goat. *J. Reprod. Fertil.* 11(1):145-148. Feb. 1966. 442.8 J8222
K. P. Shukla, B. A. Gadgil, and N. C. Buch, joint authors.
Estradiol used.
- 29494 JONES, C. K., BELL, R. R., and TURK, R. D. A study on the possible effects of chlortetracycline on the size of gastro-intestinal parasites of sheep. *Southwest. Vet.* 20(1):21-24. Fall 1966. 41.8 So82
- 29495 KATIC, R., and VUKICEVIC, Z. General survey of the state of knowledge of the distribution of anaerobic diseases within the territory of Serbia. (Se) *Vet. Glas.* 20(4):277-280. 1966. 41.8 J93
English summary.
Clostridial diseases of sheep.
- 29496 KATIC, R., and others. On results of our investigations of the problem of active immunoprophylaxis of anaerobic diseases in sheep. (Se) *Vet. Glas.* 20(5):343-348. 1966. 41.8 J93
J. Batty, Z. Vukicevic, V. Dimitrijevic, D. Radovic, and M. Zdravkovic, joint authors.
English summary.
Clostridial diseases.
- 29497 KIRACOFF, G. H., and SPIES, H. G. Length of maintenance of naturally formed and experimentally induced corpora lutea in hysterectomized ewes. *J. Reprod. Fertil.* 11(2):275-279. Apr. 1966. 442.8 J8222
- 29499 KONA, E., and PAUER, T. Absorption of olive oil and distribution of the neutral fats in the small intestine of lambs of various ages. (Cz) *Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(6):389-396. Ref. June 1966. 41.9 C333
English summary.
- 29499 KONA, E., and others. Some biochemical changes in the blood of sheep after intensive bleeding. (Cz) *Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(8):517-521. Ref. Aug. 1966. 41.9 C333
I. Havassy, J. Zimmermann, and J. Kaduk, joint authors.
English summary.
- 29500 LAMBRECHTS, H. B. The microscopic vascular pattern of the ruminal wall in Ovis aries. *Onderstepoort J. Vet. Res.* 33(1):233-238. June 1966. 41.8 On1
- 29501 LEAT, W. M. F., and FORD, E. J. H. Utilization of free fatty acids by starved and pregnant sheep. *Biochem. J.* 101(2):317-322. Ref. Nov. 1966. 382 B52
- 29502 LINDAHL, L. L. Detection of pregnancy in sheep by means of ultrasound. *Nature* 212(5062):642-643. Ref. Nov. 5, 1966. 472 N21
- 29503 MCFARLANE, D. Perinatal lamb losses. 2. A preliminary survey of New Zealand perinatal lamb losses in the areas surrounding Gisborne, Wairoa, Nelson, Rangiora and Ashburton. *New Zeal. Vet. J.* 14(9):137-144. Sept. 1966. 41.8 N483
- 29504 MONTEVERDE, J. J., and SIMEONE, D. H. *Salmonella abortusovis* and abortion in sheep produced in Argentina. (Sp) *Rev. Med. Vet. [Buenos Aires]* 47(4):277. July/Aug. 1966. 41.8 B86
- 29505 MOOR, R. M., and ROWSON, L. E. A. Local uterine mechanisms affecting luteal function in the sheep. *J. Reprod. Fertil.* 11(2):307-310. Apr. 1966. 442.8 J8222
- 29506 MORAILLON, P., and YALCIN, N. *Colibacillus* infection of new born kids. (Fr) *Patre* 123:35. May 1965. 45.8 P272
- 29507 MORAILLON, P., and YALCIN, N. Serious danger from flukes. (Fr) *Patre* 126:29. Aug./Sept. 1965. 45.8 P272
Sheep liver flukes.
- 29508 MORAILLON, P., and YALCIN, N. Sheep abortions. (Fr) *Patre* 127:37, 39. Oct. 1965. 45.8 P272
- 29509 OLLERENSHAW, C. B. The approach to forecasting the incidence of fascioliasis over England and Wales 1958-1962. *Agr. Meteorol.* 3(1/2):35-53, map. Feb. 1966. 340.8 Ag8
In sheep.
- 29510 OWEN, N. C., and MUNZ, E. K. Observations on a strain of bluetongue virus by electron microscopy. *Onderstepoort J. Vet. Res.* 33(1):9-14. Ref. June 1966. 41.8 On1
- 29511 PAULSON, G. D., POPE, A. L., and BAUMANN, C. A. Lactic dehydrogenase isoenzymes in tissues and serum of normal and dystrophic lambs. *Soc. Exp. Biol. Med. Proc.* 122(2):321-324. Ref. June 1966. 442.9 So1
- 29512 PAVLIC, S. The effect of neuvon and parathion on the level of acetylcholine in the content of rumen of sheep. (Se) *Veterinaria [Sarajevo]* 15(2):145-151. 1966. 41.8 V6494
English summary.
- 29513 PETKOV, K., and VASKOV, B. The level of iron, copper, manganese and cobalt in the blood serum and blood of sheep during yearly seasons. (Se) *Veterinaria [Sarajevo]* 15(2):189-194. Ref. 1966. 41.8 V6494
English summary.
- 29514 PEVNEVA, V. D. On the species composition of *Haemonchus* (Nematoda, Trichostrongylidae) in the USSR. (Rus) *Zool. Zh.* 45(8):1121-1128. Ref. 1966. 410 R92
English summary.
Stomach worms of sheep and cattle.
- 29515 PIERSON, R. E. Zinc deficiency in young lambs. *Amer. Vet. Med. Ass. J.* 149(10):1279-1282. Ref. Nov. 15, 1966. 41.8 Am3
- 29516 POPOVICI, L., and SIMON, M. DE. Treatment of contagious agalactia of sheep and goats in Rumania with vaccination. (Fr) *Arch. Vet.* 1(2):21-28. Ref. 1966. 41.8 Ar27
English summary.
- 29517 POPOVICI, V. Contributions to the epizootology of virus abortion in ewes. *Arch. Vet.* 1(2):29-39. Ref. 1966. 41.8 Ar27
- 29518 PROCOS, J., and GILCHRIST, F. M. C. Ovine ketosis. V. Ketone body and blood glucose levels of Merino ewes during the preclinical, clinical and postclinical stages of pregnancy disease. *Onderstepoort J. Vet. Res.* 33(1):161-167. Ref. June 1966. 41.8 On1
- 29519 PUGH, D. M. Normal total circulating eosinophil, packed cell volume and plasma glucose, sodium, potassium and chloride values for sheep. *Irish Vet. J. (n.s.)* 20(8):142-147. Ref. Aug. 1966. 41.8 Ir4
- 29520 PYKE, B. N. Vaccination of lambs against pneumonia. *New Zeal. Vet. J.* 14(9):151-152. Sept. 1966. 41.8 N483
- 29521 REDDY, A. M. K. Some observations on *Babesia motasi* infection in sheep in Andhra Pradesh. *Indian Vet. J.* 43(9):785-789. Sept. 1966. 41.8 In2
- 29522 RESTALL, B. J., and WALES, R. G. The fallopian tube of the sheep. III. The chemical composition of the fluid from the fallopian tube. *Australian J. Biol. Sci.* 19(4):687-698. Ref. Aug. 1966. 442.8 Au72
- 29523 ROACH, R. W., and LOPES, V. Mortality in adult ewes resulting from intestinal infestation with immature *Paramphistomes*, complicated by severe fascioliasis. *Bull. Epizoot. Dis. Afr.* 14(3):317-323. Sept. 1966. 41.8 B872
- 29524 ROBINSON, T. J. Accumulation of tritiated estradiol and hexoestrol in the brain and some other tissues by the ewe. (Fr) *Ann. Biol. Anim. Biochim. Biophys.* 5(3):341-351. Ref. 1965. 442.8 An75
English summary.

- 29525 ROSS, D. B. Critical trials with tetramisole given to lambs experimentally infected with *Haemonchus contortus*, *Ostertagia circumcincta*, *Nematodirus battus* and *Trichostrongylus colubriformis*. *Vet. Rec.* 79(14):392-395. Oct. 1, 1966. 41.8 V641
- 29526 ROSS, J. G. Anthelmintic field trials on sheep. A comparison of Haloxon and phenothiazine treatment in ewes and lambs. *Northern Ireland. Rec. Agr. Res.* 14(1):43-47. 1965. 10 N81R
- 29527 ROSS, J. G. Sheep diseases. *Agr. Northern Ireland* 41(6):172-174. Oct. 1966. 256.13 Ag82M
Prevention and control, in *Northern Ireland*.
- 29529 ROWLANDS, W. T. Diseases of sheep. Ed. 2. Great Brit. Min. Agr. Fish. Food. Bull. 170, 40 p. 1966. 10 G794B
- 29529 ROWSON, I. E. A., and MOOR, R. M. Embryo transfer in the sheep: the significance of synchronizing oestrus in the donor and recipient animal. *J. Reprod. Fertil.* 11(2):207-212. Ref. Apr. 1966. 442.8 J8222
- 29530 RUCKEBUSCH, Y., and LAPLACE, J. P. Study of radio-telemetry of the gastric motility and heart frequency in ruminants. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):235-240. Ref. 1966. 41.9 L99
Chiefly sheep.
- 29531 SAKKAL, M. A., WASSMUTH, R., and STEPHAN, E. The influence of age on respiratory frequency, heart beat, and rectal temperature under heat stress in Merino-Landschaf sheep. (Ge) *Zuchtungskunde* 38(8):378-383. Oct. 1966. 49 Z8
English summary.
- 29532 SALJINSKI, T. B., GRAMATIKOVSKI, G., and TOMKOVA, D. Pleuropneumonia of lambs. (Se) *Vet. Glas.* 20(8):589-593. 1966. 41.8 J93
French summary.
- 29533 SAUNDERS, C. N., KINCH, D. A., and MARTIN, R. D. An outbreak of *Salmonella typhimurium* infection in sheep. *Vet. Rec.* 79(20):554-557. Ref. Nov. 12, 1966. 41.8 V641
Caused enteritis and septicemia.
- 29534 SILVERSTEIN, A. M., PARSHALL, C. J., and UHR, J. W. Immunologic maturation in utero: kinetics of the primary antibody response in the fetal lamb. *Science* 154(3757):1675-1677. Ref. Dec. 30, 1966. 470 Sci2
- 29535 SLEE, J. Variation in the responses of shorn sheep to cold exposure. *Anim. Prod.* 8(3):425-434. Oct. 1966. 49 An55
Using Scottish Blackface and a cross breed of Merino-Cheviot.
- 29536 SMITH, R. E., HENCH, E. C., and REYNOLDS, I. M. Experimental leptospirosis in pregnant ewes. VI. Immunofluorescence in the diagnosis of fetal leptospirosis. *Cornell Vet.* 56(4):640-647. Ref. Oct. 1966. 41.8 C81
- 29537 STEVEN, D. H. Arteriovenous anastomoses in the uterus of the sheep. *J. Physiol.* 187(2, sup.):18P-19P. Nov. 1966. 447.8 J82
- 29539 SVARC, R. Interrelation between the degree of pathogenicity of the larvae of lungworm *Muellierius capillaris* and the condition of the intermediate host. (Cz) *Biologia [Bratislava]* 21(11):821-828. 1966. 424.8 B5265
English summary.
Sheep.
- 29539 TARANENKO, A. G., LEBEDEVA, K. A., and KASIMOV, Z. N. Influence of hypocalcaemia on synthesis of principal components of milk in goats. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 52(10):1254-1260. Ref. Oct. 1966. 444.8 F58
- 29540 TASHEV, K. T. Technique for obtaining pancreatic juice in sheep and goats. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 51(8):1027-1028. Aug. 1965. 444.8 F58
Surgery.
- 29541 TERBLANCHE, M., ADELAAR, T. F., and VAN STRATEN, A. M. S. *Euphorbia mauritanica* L. as a poisonous plant in South Africa. *S. Afr. Vet. Med. Ass. J.* 37(3):311-315. Ref. Sept. 1966. 41.8 So8
Toxic to sheep.
- 29542 TERBLANCHE, M., and VAN STRATEN, A. M. S. Further studies on *Sarcostemma viminale* R. Br. poisoning. *S. Afr. Vet. Med. Ass. J.* 37(3):317-319. Sept. 1966. 41.8 So8
Experiments with sheep.
- 29543 TROELSEN, J. E., and HANEL, D. J. Ruminant digestion in vitro as affected by inoculum donor, collection day, and fermentation time. *Can. J. Anim. Sci.* 46(3):149-156. Ref. Dec. 1966. 41.8 C163
Chiefly sheep.
- 29544 TRUEBLOOD, M. S. Relationship of ovine contagious ecthyma and ulcerative dermatosis. *Cornell Vet.* 56(4):521-526. Oct. 1966. 41.8 C81
- 29545 TVERSKOI, G. B. Role of compensating processes in regulation of secretion of degenerated mammary gland in goats. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 52(11):1368-1373. Nov. 1966. 444.8 F58
- 29546 VARELA, G., and VELASCO, R. Investigations on neorickettsia Q 18. (Sp) *Rev. Invest. Salud Publica* 26(2):103-108, map. Apr./June 1966. 449.9 M572
English summary.
Antibodies in goats and rats.
- 29547 VAUGHAN, J. J. Preliminary field trials with oxytetracycline, a new fasciolicide. *Vet. Rec.* 79(24):720-723. Dec. 10, 1966. 41.8 V641
Tested on sheep and cattle; 3,3',5,5',6-pentachloro-2,2'-dihydroxybenzanilide.
- 29549 VUJIC, B., and others. Some health problems of the young generation of sheep of the Sjenica-Pester plateau and possibilities for their solution. (Se) *Veterinaria [Sarajevo]* 15(2):241-248. 1966. 41.8 V6494
K. Petrovic, D. Vuckovic, and D. Gobeljic, joint authors.
English summary.
Losses due to nutritional deficiencies.
- 29549 WARNER, A. C. I. Diurnal changes in the concentrations of micro-organisms in the rumens of sheep fed limited diets once daily, with an appendix on the kinetics of rumen microbes and flow. *J. Gen. Microbiol.* 45(2):213-235. Ref. Nov. 1966. 448.3 J823
- 29550 WARNER, A. C. I. Diurnal changes in the concentrations of micro-organisms in the rumens of sheep fed to appetite in pens or at pasture. *J. Gen. Microbiol.* 45(2):243-251. Ref. Nov. 1966. 448.3 J823
- 29551 WARNER, A. C. I. Periodic changes in the concentrations of micro-organisms in the rumen of a sheep fed a limited ration every three hours. *J. Gen. Microbiol.* 45(2):237-241. Ref. Nov. 1966. 448.3 J823
- 29552 WHITLOCK, J. H., and others. Haemonchosis: an orderly disease. *Cornell Vet.* 56(4):544-554. Ref. Oct. 1966. 41.8 C81
J. R. Georgi, D. S. Robson, and W. T. Federer, joint authors.
In sheep.
- 29553 WISHART, D. F. The induction of earlier breeding activity in sheep; a comparison between the use of vasectomised rams and the use of intravaginal pessaries impregnated with a new progestin. *Vet. Rec.* 79(13):356-358. Sept. 24, 1966. 41.8 V641
- 29554 ZALUCKI, G. Reflexogenous regulation of the motility of the alimentary tract in sheep. I. Influences from the interoceptors of the alimentary tract. (Pol) *Wroclaw. Wyzsza Szkoła Roln. Zeszyty Nauk. Weter.* 18:73-77. Ref. 1965. 41.9 B753
English summary.

Miscellaneous

- 29555 AASEN, K. Sheep is the basic industry in the mountain districts. (No) *Sau Geit* 19(3):75. June 1966. 45.8 Sa8
- 29556 AUSTRUD, T. S. Progeny testing, 1965. (No) *Sau Geit* 19(3):79-85. June 1965. 45.8 Sa8
Sheep and goats.

- 29557 RICHARD, M., and COOPER, M. M. Analysis of production records from a lowland sheep flock. I. Lamb mortality and growth to 16 weeks. *Anim. Prod.* 8(3):401-410. Oct. 1966. 49 An55
In Great Britain.
- 29558 BOISGROLLIER, G. DE. This is pastoral alliance. (Fr) *Mouton* 21(4):37-38. Apr. 1966. 45.8 M86
- 29559 CAIRNEY, I. M. Flock and herd recording; principles involved. *New Zeal. Meat Prod.* 11(2):17,19,21. Nov. 1, 1966. 50.8 N48
Sheep and cattle.
- 29560 CATALA, C. Sheep's milk in 1965. (Fr) *Mouton* 21(3):25-26. Mar. 1966. 45.8 M86
Includes production and prices.
- 29561 CATTIN-VIDAL, DISETT, and RICORDEAU. Milk performance of controlled goats in 1964. (Fr) *Patre* 128:27,29-31. Nov. 1965. 45.8 P272
- 29562 COOPER, M. M. Winter housing of breeding ewes. I-II. *Vet. Rec.* 79(24):747-762. Ref. Dec. 10, 1966. 41.8 V641
Includes associated diseases.
Includes discussion.
- 29563 CUENCA, C. L. DE. Distribution of sheep raising in the world. (Fr) *Mouton* 21(5):51-52. May 1966. 45.8 M86
- 29564 DOYLE, R. W. Good flock management vital this year. *Power Farming Australia New Zeal. Better Farming Dig.* 75(11):29. Nov. 1966. 58.8 P87
Sheep.
- 29565 FRANCE. MINISTERE DE L'AGRICULTURE. COMMISSION NATIONALE TECHNIQUE. Grouping of producers. (Fr) *Patre* 125:10-12. July 1965. 45.8 P272
- 29566 HOGUE, D. E. Some observations on the effect of weight and age at slaughter and of breed on marketing losses and yields of lambs. *Cornell Nutr. Conf. Feed Manufacturers, Proc.* 1966: 103-106. 389.79 C81
Carcass grading.
- 29567 KOLB, Q. E., and others. Profitable sheep production. *Wis. Univ. Ext. Circ.* 470, rev., 56 p. Sept. 1966. 275.29 W75C
A. L. Pope, V. L. Felts, C. L. Barth, F. J. Giesler, R. E. Hall, W. Gojmerac, R. H. Vilstrup, and T. J. Brevik, joint authors.
- 29568 LALLOUR, M. Agricultural professional organization for economical development. (Fr) *Mouton* 21(1):1-2. Jan. 1966. 45.8 M86
- 29569 MARSH, E. E. Sheep ranchers adjust to change. *J. Range Manage.* 19(5):253-255. Sept. 1966. 60.18 J82
- 29570 MARTIN, C. A. Ewe and lamb management. *New Zeal. Meat Prod.* 11(1):40,45. Oct. 3, 1966. 50.8 N48
- 29571 PANI, S. N. Effect of solar radiation on rectal temperature, pulse rate and respiratory rate of shorn and unshorn sheep. *Indian Vet. J.* 43(9):800-805. Ref. Sept. 1966. 41.8 Iu2
- 29572 RODRIGUEZ ROMERO, M. L. Shearing and its deficiencies. (Sp) *Soc. Rural Argent. An.* 100(9):61-62. Sept. 1966. 9 S01
- 29573 ROUY, H. Is the French sheep raising on the revive? (Fr) *Mouton* 21(2):13-14. Feb. 1966. 45.8 M86
- 29574 STEPANKOVA, E., and others. Complex evaluation of the production of goats. I. Milk production. (Cz) *Brno. Vysoka Sk. Zemedel. Sb.* Rada A, Spisy Fak. Agron. 2:251-262. Ref. 1966. 105.92 B833
F. Horak, V. Simunek, and J. Budinsky, joint authors.
French and German summaries.
- 29575 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Slaughtering, cutting, and processing lamb and mutton on the farm. U. S. D. A. Farmers' Bull. 2152, slightly rev., 16 p. Nov. 1966. 1 Ag84F
- 29576 WOJCIKOWSKA-SOROCZYNSKA, M. Conformity of results of various methods applied for assessment of wool production. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech.* 4: 85-96. 1965. 49.9 W26
English summary.

SWINE

Breeds and Breeding

- 29577 BAJOR, F. In the interest of improving bacon quality. (Hu) *Magyar Mezőgazdaság* 21(49): 15-16. Dec. 7, 1966. 19 M27
Breeding and feeding suggestions.
- 29578 BANE, A., and NICANDER, L. Electron and light microscopical studies on spermateliosis in a boar with acrosome abnormalities. *J. Reprod. Fertil.* 11(1):133-138. Ref. Feb. 1966. 442.8 J8222
- 29579 BERTL, H. Measurements of swine carcasses in production breeding. (Ge) *Forderungsdienst* 13(spec.no.3):40-45. Oct. 1965. 19 F75
Austria.
- 29580 BOURSNEILL, J. C., and COOMBS, R. R. A. A haemagglutinating factor in boar seminal plasma. *J. Reprod. Fertil.* 11(1):139-144. Ref. Feb. 1966. 442.8 J8222
- 29581 KAPLAN, F. The effect of everyday collection on the semen of boars. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(10):787-794. Ref. Oct. 1966. 49.9 C33
English summary.
Includes quality.
- 29582 KING, G. J., and MACPHERSON, J. W. Alkaline and acid phosphatase activity, pH and osmotic pressure of boar semen. *Can. J. Comp. Med. Vet. Sci.* 30(11):304-307. Ref. Nov. 1966. 41.8 C162
- 29583 KING, G. J., and MACPHERSON, J. W. Boar semen studies. I. Laboratory evaluation of processing phases. *Can. J. Comp. Med. Vet. Sci.* 30(12):332-335. Ref. Dec. 1966. 41.8 C162
- 29584 KOSSAKOWSKI, J., ZEBROWSKI, Z., and SUCHODOLSKA-RYTEL, E. Examination of fattening and carcass quality of Pulaski pigs compared with hybrids descending from crossing between Pulaski sows and Landrace hog. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:33-41. Ref. 1965. 49.9 W26
English summary.
- 29585 KOZUMPLIK, J. Spermogram of boars with normal and impaired fertility. (Cz) *Czech. Min. Zemedel. Lesniho Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 39(7):461-466. Ref. July 1966. 41.9 C333
English summary.
- 29586 KUCIEL, J. Semioptimal test with the insemination of sows and gilts with fractional method. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(10):807-812. Ref. Oct. 1966. 49.9 C33
English summary.
- 29587 MALY, F., SUCHODOLSKA-RYTEL, E., and JAWORSKA, K. The area of loin eye as index of meatiness in lean producing hogs of Large White breed. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech.* 4:21-26. Ref. 1965. 49.9 W26
English summary.
- 29588 MASEK, N. Quantitative and qualitative indices of the semen of boars of the Czechoslovak improved white swine breed collected fractionally. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(10):795-806. Ref. Oct. 1966. 49.9 C33
English summary.
- 29589 MEDING, J. H., and RASBECH, N. O. Investigations of artificial insemination of swine. II. (Da) *Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Aarsberet.* 1965:59-68. 41.9 C792A
English summary.

- 29590 MORGAN, R. M., GOERTEL, J., and SCHIPPER, I. A. Comparative hemograms of Hampshire and Duroc piglets. Southwest. Vet. 20(1): 35-41, Ref. Fall 1966, 41.8 S082
- 29591 NGUYEN, B. D. Pig breeding on the outskirts of Hanoi, U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.), N. Vietnam 10:100-105, Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:82-86, Oct. 1966.
Issued by CFSTI.
- 29592 OLLIVIER, L. Interactions between genotype and fattening environment in "Large White", "Normand" and "Pietrain" breeds of pigs. (Fr) Ann. Zootech. 15(2):171-180, 1966, 49 F84
English summary.
Includes boar tests.
- 29593 OVERSKOTT, S. Inbreeding and relationship of Norwegian Landrace. (No) Buskap Avdratt 18(2):102-103, 105, 1966, 49 B96
- 29594 OVERSKOTT, S. Swine breeding for economic objectives. (No) Norsk Landbruk 12:10-11, 37, June 17, 1966, 11 N8122
- 29595 RAMSEY, C. B., LIDVALL, E. R., and MOORE, C. P. Somatoscope estimates of loin eye area and backfat thickness of Duroc and Hampshire boars at 60, 200, and 230 pounds. Tenn. Farm Home Sci. Progr. Rep. 59:6-9, July/Sept. 1966, 100 T25F
- 29596 RIGBY, J. P. The persistence of spermatozoa at the uterotubal junction of the sow. J. Reprod. Fert. 11(1):153-155, Feb. 1966, 442.8 J8222
- 29597 SNICK, G. VAN, and CAMERLINCK, The Pietrain pig. (Fr) World Rev. Anim. Prod. 3: 95-111, July/Sept. 1966, 49W89
English summary.
- 29598 STOCKHAUSEN, C. W. F., and BOYLAN, W. J. Heritability and genetic correlation estimates in a new breed of swine. Can. J. Anim. Sci. 46(3):211-216, Dec. 1966, 41.8 C163
Managra.
- 29599 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Breeds of swine. U. S. D. A. Farmers' Bull. 1263, rev., 10 p. Nov. 1966, 1 Ag84F
- 29600 WITT, M., SCHRODER, J., and RAPPEN, W. H. Influence of inbreeding on production characteristics of swine. (Sw) Svinsskotsel 56(1):15-18, 1966, 46.9 Sv2
Chiefly effects on growth.
- 29601 ZEBROWSKI, Z., and KOSSAKOWSKI, J. Investigations on the fitness of Pulaska pig to fattening at a reduced level of feeding. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:43-50, Ref. 1965, 49.9 W26
English summary.
- Feeds and Feeding
- 29602 BALBOA MARTIN, J., ZORITA TOMIELLO, E., and RODRIGUEZ GUEDES, J. R. Horse bean (Vicia faba equina) meal as a protein supplement for growing pigs. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):323-334, Ref. 1965, 41.9 Ov4
English summary.
- 29603 BONSEMBIANTE, M. Influence of feeding on the lean meat production of slaughter swine. (It) Aliment. Anim. 10(5):213-220, May 1966, 389.78 A14
- 29604 BURGESS, C., and others. Performance and carcass quality of littermate boars, barrows, and gilts fed alike. Tenn. Farm Home Sci. Progr. Rep. 58:6-8, Apr./June 1966, 100 T25F
E. R. Lidvall, C. B. Ramsey, and J. W. Cole, joint authors.
- 29605 DALLAGO, W. Problems of swine raising. III. Feed. (Ge) Grune 94(31):1118-1119, Aug. 5, 1966, 17 Sch9
Switzerland.
- 29606 DYRENDahl, S. Artificial feeding of baby pigs. (Sw) Suomen Eläinlääkärilehhti 72(9):336-343, Sept. 1966, 41.8 F49
- 29607 ECKER, I. Economical utilization of small potatoes with swine. (Hu) Magyar Mezőgazdaság 21(46):15, Nov. 16, 1966, 19 M27
Silage feeding.
- 29608 FENDER, M. Problem of lowest content in amino acids in linear programming of swine fattening formulas. (Ge) Z. Tierphysiol. Tierernähr. Futtermittelkunde 21(6):338-344, Oct. 1966, 389.78 Z3
English summary.
- 29609 FERRANDO, R., and HENRY, N. Study on meat meals; trials with swine. (Fr) Rec. Med. Vet. 142(9):831-837, Sept. 1966, 41.8 R24
English summary.
- 29610 FRIEND, D. W., and CUNNINGHAM, H. M. The effect of water consumption on the growth, feed intake, and carcass composition of suckling piglets. Can. J. Anim. Sci. 46(3):203-209, Ref. Dec. 1966, 41.8 C163
- 29611 GLAPS, J. Wpływ poziomu białka i włókna w dawce pokarmowej na jakość tuszy trzody chlewnej [Protein and fibre level effect in feed ratios on carcass quality of pigs]. Krakow. Inst. Zootech. Wydawnictwa Własne 174, 46 p. 1965, 49.9 K85W
English summary.
Bibliography, p. 40-46.
- 29612 HELLBERG, A. Report on testing of swine feed mixtures on sale. (Sw) Svinsskotsel 56(1): 4-7, 1966, 46.9 Sv2
Effects on growth.
- 29613 HJARDE, W., and PALLUDAN, B. Investigations of vitamin A requirements of pigs. XII. The vitamin A saving effect of vitamin A acid in pigs. (Da) Copenhagen. Vet.-Landbohøjsk. Inst. Sterilitetsforsk. Åarsberet, 1965:205-211, 41.9 C792A
English summary.
- 29614 JACOBSEN, K. A. Practical experiences concerning grain quality for swine feed. (Da) Tolvmandsbladet 38(4):205-209, Apr. 1966, 11 T58
- 29615 KORCH, G. The influence of the biogenic stimulator "Fermoglopural-S" on the fattening ability of swine. (Ge) Arch. Tierernähr. 16 (2/3):155-162, Ref. May 1966, 389.78 Ar22
English summary.
- 29616 KORTAN, L. J. Swine feeding and management. S. Dak. State Univ. Ext. Ext. Circ. EC 649:12-30, Feb. 1966, 275.29 S085
- 29617 KRAUTFORST, W., and KOZLOWSKI, M. The influence of feed oxytetracycline on the development and vitality of piglets to the age of 3 months. (Pol) Med. Weter. 22(7):429-431, Ref. July 1966, 41.8 M463
English summary.
- 29618 LABUDA, J. Study of the effect of biotin on the growth of fattened swine. (Cz) Pol'nohospodárstvo 12(9):707-716, Ref. 1966, 19.5 P752
English summary.
- 29619 LOBBAN, J. M. Feeding pigs. I. S. Australia J. Agr. 70(3):76-101, Oct. 1966, 23 S084
- 29620 LOBBAN, J. M. Feeding pigs. 2. S. Australia J. Agr. 70(4):124-131, Nov. 1966, 23 S084
- 29621 MALY, F., and others. An attempt at establishing the influence of the restricted feeding level on carcass quality of lean commercial hogs. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:51-55, 1965, 49.9 W26
K. Jaworska, E. Suchodolska-Rytel, and R. Jazurek, joint authors.
English summary.
- 29622 MILLS, C. F. Some nutritional limitations to reproductive performance and growth in farm livestock. Roy. Soc. Med. Proc. 59(11):1075-1077, Ref. Nov. 1966, 448.9 R614
In swine and cattle.
- 29623 OJALA, A. Moderate feed and their application. (Sw) Svinet 58:5, 7-8, Dec. 1965, 46.8 Sv32
Swine feeding.

- 29624 PADALIKOVA, D., and JEZKOVA, D. Hydration of the gastro-intestinal tract and body of baby pigs which have been maintained in the first month of life on a high calorie semi-synthetic diet. (Ge) Arch. Tierernahr. 16(2/3): 149-153. Ref. May 1966. 389.78 Ar22 English summary.
- 29625 SCHEIMANN, R., and others. The evaluation of feedstuff energy. 8. The evaluation of energy of tubers and roots through swine. (Ge) Arch. Tierernahr. 16(2/3):173-198. Ref. May 1966. 389.78 Ar22 W. Jentsch, L. Hoffmann, and K. Nehring, joint authors. English summary.
- 29626 SLJIVOVAČKI, K., MITIĆ, N., and KOSTIĆ, J. The effectiveness of feeding pregnant swine during various periods of pregnancy with rations of different levels and sources of energy. (Se) Veterinaria [Sarajevo] 15(2):181-188. Ref. 1966. 41.8 V6494 English summary. Includes feed concentrates and alfalfa green cut.
- 29627 SLJIVOVAČKI, K., and VELICKOVIĆ, G. Efficiency of supplemental rations of minor elements in the nutrition of pregnant sows. I. The effect of cobalt, zinc and manganese on the size of litter and weight of baby pigs. (Se) Veterinaria [Sarajevo] 15(1):23-27. 1966. 41.8 V6494 English summary.
- 29628 STOTHERS, S. C. Formulations of rations for pigs. 2. Protein requirements. Hog Prod. 2 (10):13-14. Dec.1966. 46.8 H875 Canada.
- 29629 VEUM, T. L., POND, W. G., and WALKER, E. F. Some effects of varied frequency of feeding. Cornell Nutr. Conf. Feed Manufacturers. Proc. 1966:111-117. 389.79 C81 Experiment with swine to determine effects of regulation of feeding intervals on blood components and carcass composition.
- Veterinary Medicine
- 29630 ADILOVIĆ, S. Changes in blood quality during the fattening of swine of various breeds and production types. (Se) Veterinaria [Sarajevo] 15(1):63-75. 1966. 41.8 V6494 English summary. Excerpt from thesis.
- 29631 ADDLINGER, H. K., and others. Extraction of infectious deoxyribonucleic acid from African swine fever virus. Virology 30(4):750-752. Ref. Dec.1966. 448.8 V81 S. S. Stone, W. R. Hess, and H. L. Bachrach, joint authors.
- 29632 AKKERMANS, J. P. W. M. Transmission of infective organisms on the pig farm. (Du) Veteelt. Zuivelber. 9(7/8):302-310, map. July/Aug.1966. 49 V51
- 29633 ANIMAL HEALTH TRUST (GREAT BRITAIN). FARM LIVESTOCK RESEARCH CENTRE (STOCK). Worms or profits: the control of worms in pigs. Anim. Health 3:4-7. Nov.1966. 41.8 An52
- 29634 BAUGHN, R. E., and FREEMAN, B. A. Antigenic structure of *Brucella suis* spheroplasts. J. Bacteriol. 92(5):1298-1303. Ref. Nov.1966. 448.3 J82
- 29635 BARZOI, D., LELUTIU, C., and SOTIRIU, E. Serological response of animals infected with two or three *Leptospira* serotypes. (Rus) Arch. Vet. 1(2):55-64. 1966. 41.8 Ar27 English summary. Swine.
- 29636 BENZONI, G. Leptospirosis in swine and prophylactic vaccination. (It) Clin. Vet. 89(8): 253-257. Ref. Aug.1966. 41.8 C61
- 29637 BEREZVAI, F., and RAKOČI, I. Further data on the changes of the sow milk composition during the lactation. (Hu) Magyar Allatorv. Lapja 21(11):488-491. Ref. Nov.1966. 41.8 V644 English summary.
- 29638 BODON, L. Occurrence of contaminant viruses in various hog cholera virus strains. Acta Vet. [Budapest] 16(3):321-327. Ref. 1966. 41.8 Ac83
- 29639 BRANNANG, E., SUNDGREN, P. E., and SKARM, S. Forsök med partiell kastration av svin. Experiment with partial castration in pigs. Uppsala. Lantbrukshögsk. Medd. Ser. A, 65, 8 p. 1966. 11 Up62
- 29640 BUCKLEY, H. G. Eversion of the uterus in the sow; a clinical note. Irish Vet. J. (n.s.):20(10): 194-195. Oct.1966. 41.8 Ir4 Surgical treatment.
- 29641 BUCZEK, J. Investigations on viruses of the orphan type occurring in pigs in Poland. II. Basic physical, chemical and serological properties of the cytopathogenic intestinal viruses L1 and L2 isolated from healthy pigs in Poland. (Pol) Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD, 20:343-376. Ref. 1965, pub.1966. 512 L96Ad English summary.
- 29642 CARBREY, E. A., STEWART, W., and YOUNG, S. H. The changing picture of hog cholera: case studies. Amer. Vet. Med. Ass. J. 149(12): 1720-1724. Dec.15.1966. 41.8 Am3
- 29643 CHWALIBOG, J., URBANSKI, M., and BARTOZ, B. Diarrhea of swine caused by a bacterial strain with the biochemical properties of *Escherichia coli* and the antigen properties of *Shigella flexneri*. (Pol) Med. Weter. 22(5):270-272. Ref. May 1966. 41.8 M463
- 29644 COLCANAP, M. Accidents et complications du part chez la truie [Injuries and complications in the farrowing sow]. Alfort. Ecole Nat. Vet. These 49,70 p. Ref. 1966. 41.2 AL23
- 29645 COOK, B. A comparative study of the control of progesterone synthesis in vitro in the corpus luteum. Diss. Abstr., Sect. B, 27(4):1268B. Oct.1966. Z5055.U49D53 From pigs.
- 29646 CUCU, I., and SOLCAN, T. Some observations on the parakeratosis and its consequences in the breeding of swine. (Rum) Rev. Zooteh. Med. Vet. 16(11):33-67. Nov.1966. 49 P943
- 29647 CURTIN, T. M., and TUIITE, J. Emesis and refusal of feed in swine associated with *Gibberella zeae*-infected corn. Life Sci. 5(21): 1937-1944. Nov.1966. 442.8 L62
- 29648 CZYREK, B., and others. The use of Tranquilline in the transport of fattened pigs. (Pol) Med. Weter. 22(5):279-282. Ref. May 1966. 41.8 M463 A. Grzegorzak, H. Kocjan, and A. Rójkowski, joint authors. English summary.
- 29649 DAYNES, P. Note on the biological cycle of *Macracanthorhynchus hirudinaceus* (Pallas 1781) in Madagascar. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.):19(3):277-282. Ref. 1966. 41.8 R3262 English summary. Swine host.
- 29650 DERBYSHIRE, J. B., CLARKE, M. C., and JESSETT, D. M. Observations on the faecal excretion of adenoviruses and enteroviruses in conventional and "minimal disease" pigs. Vet. Rec. 79(21):595-599. Ref. Nov.19,1966. 41.8 V641
- 29651 DICKERSON, J. W. T., and DOBBING, J. Some peculiarities of cerebellar growth in pigs. Roy. Soc. Med. Proc. 59(11):1088. Nov.1966. 446.9 R814
- 29652 DJURICKOVIĆ, S. Modern etiological concepts on the enzootic pneumonia and similar respiratory diseases of swine. (Se) Vet. Glas. 20(6): 465-468. Ref. 1966. 41.8 J93
- 29653 DONE, J. T., and HARDING, J. D. J. The relationship of maternal swine fever infection to cerebellar hypoplasia in piglets. Roy. Soc. Med. Proc. 59(11):1083-1084. Nov.1966. 448.9 R814 Includes trembles.

- 29654 DUTHIE, I. F., and others. Toxic groundnut meal in feeds for pigs. I. A trial made at two laboratories with pigs from about 40 to 200 lb. live-weight fed to a restricted scale. *Vet. Rec.* 79(22):621-625. Ref. Nov.26,1966. 41.8 V641
M. C. Lancaster, J. Taylor, D. C. Thomas, C. A. Shacklady, P. H. Attfield, and E. Fuller-Lewis, joint authors.
Aflatoxin toxicity.
- 29655 DVORAK, M. The level of ascorbic acid in suprarenal glands and liver of swine of various age and its relation to the reserves of the vitamin A. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(6):371-377. Ref. June 1966. 41.9 C333
English summary.
- 29656 EGERTON, J. R. Characteristics of *Bacillus anthracis* isolated from pigs in Papua and New Guinea. *Papua New Guinea Agr. J.* 17(4):136-140. Ref. Dec.1965. 23 N453
- 29657 EGERTON, J. R. Porcine anthrax in Papua and New Guinea. *Papua New Guinea Agr. J.* 17(4):141-144. Dec.1965. 23 N453
- 29658 ENENKEL, A. Trembles in swine. (Cz) *Veterinarstvi* 16(7):324-325. 1966. 41.8 V6439
- 29659 ERCEGAN, M., and POPOVIC, M. Epizooticological aspect of dysentery in swine (Hemorrhagic diarrhea). (Se) *Vet. Glas.* 20(6):459-463. Ref. 1966. 41.8 J93
English summary.
- 29660 ERCEGAN, M. Experiment with the production of specific-pathogen-free piglets, with special reference to enzootic pneumonia in swine. (Se) *Vet. Glas.* 20(5):353-358. Ref. 1966. 41.8 J93
English summary.
- 29661 ETO, M., and others. Outbreaks of transmissible gastroenteritis among swine in the Kyushu Region. 12 p. Transl. 16226
T. Ichihara, T. Tsunoda, and S. Watanabe, joint authors.
Translation from Japan Veterinary Medical Association. *Journal* 15(1):16-19. 1962.
- 29662 FENNESTAD, K. L., and BORG-PETERSEN, C. Experimental leptospirosis in pregnant swine (Further investigations). (Da) Copenhagen. Vet.-Landbohojsh. Inst. Sterilitetsforsk. Aarsberet. 1965:9-12. 41.9 C792A
English summary.
- 29663 FENOGLIO, C. Iron-deficiency anemia of suckling pigs. (It) *Nuovo Prog. Vet.* 21(21):922. Nov.15,1966. 41.8 P942
- 29664 FUROWICZ, A. Serotypes of *Escherichia coli* associated with diseases of piglets. I. Antigenic structure of the most frequently met strains together with their clinic, pathogenesis and immunology. (Pol) *Med. Weter.* 22(7):406-411. Ref. July 1966. 41.8 M463
- 29665 GITTER, M., and others. Gastro-intestinal parasites of sows. *Vet. Rec.* 79(16):447-450. Ref. Oct.15,1966. 41.8 V641
T. E. Gibson, A. R. M. Kidd, and G. Davies, joint authors.
Oesophagostomum dentatum and *Hyostrongylus rubidus*.
- 29666 GLENN, M. W. Swine diseases—prevention and control. S. Dak. State Univ. Ext. Circ. EC 649:48-51. Feb.1966. 275.29 S085
- 29667 GMELIN, W. Problem child "piglet losses?" (Ge) *Tierzuchtser* 18(22):772-773. Nov.20, 1966. 49 T445
Causes.
- 29668 GRABER, C. D., and others. Autochthonous intestinal bacterial flora and cholesterol levels in specific pathogen-free swine fed high-lipid and high-sucrose diets. *J. Bacteriol.* 92(5):1290-1297. Nov.1966. 448.3 J52
R. W. Moore, M. Suzuki, W. E. Redmond, R. M. O'Neal, and B. M. Lockhart, joint authors.
Includes formulas.
- 29669 GROTH, W. The present possibilities of controlling swine diseases. (Ge) *Hochschulgung Landwirt. Fak. Univ. Bonn. Vortr.* 19:73-90. Ref.,p.88-90. 1965. 27 H652
- 29670 HAAG, J., and others. African swine fever; research on the size and morphology of the virus. (Fr) *Rec. Med. Vet.* 142(9):801-808. Ref. Sept. 1966. 41.8 R24
A. Lucas, B. Larenaudie, F. R. Gonzalvo, and R. Carnero, joint authors.
English summary.
- 29671 HAARANEN, S. Iron deficiency anemia in pigs. (Fi) *Suomen Eläinlääkärilehti* 72(9):343-349. Ref. Sept.1966. 41.8 F49
English summary.
- 29672 HAARBO, K., and others. *Vulnera morsa caudae suum*—frequency, etiology, prophylaxis and therapy. (Da) *Nord. Veterinærmed.* 18(10):441-451. Oct.1966. 41.8 N613
I. Hemmingsen, P. E. Schmidt, P. Svendsen, and J. M. Westergaard, joint authors.
English summary.
Cause of pyemia.
- 29673 HAJDU, S. Diagnosis of brucellosis of swine and its eradication in the central Slovakia. (Cz) *Veterinarstvi* 16(10):436-441, map. 1966. 41.8 V6439
- 29674 HANSELKA, D. V., and GOLDSTON, R. T. Hemaphroditism in swine. Southwest. *Vet.* 20(1):62-63. Fall 1966. 41.8 S082
- 29675 HARDING, J. D. J., DONE, J. T., and DARBYSHIRE, J. H. Congenital tremors in piglets and their relation to swine fever. *Vet. Rec.* 79(14):388-390. Oct.1,1966. 41.8 V641
In Great Britain.
- 29676 HEJLICEK, K. On the problem of tuberculosis in swine. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(8):479-484. Ref. Aug.1966. 41.9 C333
English summary.
- 29677 HEREC, S. Structure of the olfactory bulb in the pig. (Pol) *Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD*, 20:125-138. Ref. 1965, pub. 1966. 512 L96Ad
English summary.
- 29678 HOOPER, B. E., and HAELTERMAN, E. O. Concepts of pathogenesis and passive immunity in transmissible gastroenteritis of swine. *Amer. Vet. Med. Ass. J.* 149(12):1580-1586. Ref. Dec.15,1966. 41.8 Am3
- 29679 IONICA, C., and others. Study of nonspecific reactions in tube agglutination tests in the diagnosis of brucellosis of swine from farms infected with leptospirosis. (Rus) *Arch. Vet.* 1(2):65-74. 1966. 41.8 Ar27
C. D. Tudorici, S. Cambir, I. Predoiu, and C. Lelutiu, joint authors.
English summary.
- 29680 JACOBS, D. E. Occurrence of the stomach worm of swine, *Hyostrongylus rubidus*, in Denmark. (Da) *Danske Dyrlægefor. Medlemsbl.* 49(12):509-516. Ref. June 15,1966. 41.9 D23
- 29681 JERICO, K. W. Intra-pulmonary lymphoid tissue in pigs. *Vet. Bull.* 36(11):687-707. Ref. Nov.1966. 41.8 T752
Review of the literature.
- 29682 JEZKOVA, D. Changes in the chemical composition of the body of baby pigs during the first four weeks of their life. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(8):497-505. Ref. Aug. 1966. 41.9 C333
English summary.
- 29683 JOHNSON, W. S. Vitamins A and C as factors affecting skin condition in experimental piglets. *Vet. Rec.* 79(13):363-365. Sept.24,1966. 41.8 V641
Added to diet.
- 29684 JONES, J. E. T. Observations on parturition in the sow. I. The pre-partum phase. *Brit. Vet. J.* 122(10):420-426. Oct.1966. 41.8 V643
- 29685 JONES, J. E. T. Observations on parturition in the sow. II. *Brit. Vet. J.* 122(11):471-478. Nov.1966. 41.8 V643
- 29686 JOUAN, P., and ROCABOY, J. C. Study of peptidase activity in the pineal body of swine. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(4):859-862. 1966. 442.9 P21

- 29687 JUNG, H., and PIATKOWSKI, B. Protein deposit in growing swine of various sex and types. 2. Relations between nitrogen retention and meat content in carcass. (Ge) Arch. Tierzucht 9(5):399-408. Ref. 1966. 49 Ar23 English summary.
- 29688 KERSHAW, G. F., LUSCOMBE, J. R., and COLE, D. J. A. Lactic acid and sodium acrylate: effect on growth rate and bacterial flora in the intestines of weaned pigs. Vet. Rec. 79 (10):296. Sept. 3, 1966. 41.8 V641
- 29689 KOLMODIN, P. I. Grain and animal health. (Sw) Hallands Lant Husalliansallsk. Tidsskr. 6:8-9. Nov. 1966. 11 H152 Toxicity to swine and poultry.
- 29690 KOSSAKOWSKA, A. Investigations on the occurrence of Clostridium perfringens in the meat of swine artificially infected with a toxic swine pest virus. (Pol) Med. Weter. 22(5): 274-275. Ref. May 1966. 41.8 M463 English summary.
- 29691 KOVALENKO, YA. R., SIDOROV, M. A., and BURBA, L. G. Clinical picture of experimental African swine plague. U. S. Joint Publ. Res. Serv. [Transl.] Develop. Vet. Sci. Pract. USSR, July 1, 1965:1-9. (JPRS 30,917; TT 65-31416) 173 J663dv Translation from Veterinariya 1:40-43. Jan. 1966. Issued by CFSTI.
- 29692 KRUSZ, S., WOLOSZYNSKI, S., and ZIOLO, T. Studies on rhinitis atrophica infectiosa suum. (Pol) Lublin, Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD, 20:243-264. Ref. 1965, pub. 1966. 512 L96Ad English summary.
- 29693 KUMRITZ, M. Versuche über die Entstehung von Bruhwasserlungen [Experiments on the formation of scalding water lung]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 31, 51 p. Ref. 1965. 41.2 H198 Carcass defects in swine.
- 29694 LAWSON, G. H. K. The trouble with pigs. Agr. Northern Ireland 41(6):168-171. Oct. 1966. 256.13 Ag82M Diseases; includes control, in Northern Ireland.
- 29695 LECHE, J. G. Glucose milliequivalents eaten by the neonatal pig and cessation of intestinal absorption of large molecules (closure). J. Nutr. 90(3):240-244. Nov. 1966. 389.8 J82
- 29696 L'ECUYER, C., and CORNER, A. H. Propagation of porcine cytomegalic inclusion disease virus in cell cultures; preliminary report. Can. J. Comp. Med. Vet. Sci. 30(12):321-326. Ref. Dec. 1966. 41.8 C162 Inclusion body rhinitis.
- 29697 MADRZAK, B. Variation of the extent of invasion of Miescher's tubules in slaughter swine. (Pol) Med. Weter. 22(5):278. May 1966. 41.8 M463 Sarcosporidiosis.
- 29698 MATHER, E. C. Lower flank incision for swine cesarean. Vet. Med., Small Anim. Clin. 61(9): 890-891. Sept. 1966. 41.8 M69
- 29699 MCALLISTER, J. S. V., and MCQUITTY, J. B. Release of gases from slurry. Northern Ireland Rec. Agr. Res. 14(2):73-78. 1965. 10 N81R Gas poisoning of swine at time of manure collection.
- 29700 MCFEELY, R. A. A direct method for the display of chromosomes from early pig embryos. J. Reprod. Fertil. 11(1):161-163. Feb. 1966. 442.8 J8222
- 29701 MOORE, R. W., REDMOND, H. E., and LIVINGSTON, C. W. Mycoplasma as the etiology of a metritis-mastitis syndrome in sows. Vet. Med., Small Anim. Clin. 61(9):883-887. Sept. 1966. 41.8 M69
- 29702 NECHVATAL, M. Some changes in the rhinitis atrophicans suum revealed by X-rays and a contribution to the etiopathogenesis of the disease. (Cz) Veterinarstvi 16(8):359-362. Ref. 1966. 41.8 V6439
- 29703 NEGRU, D., and others. Observations on a focus of mycotic dermatitis in swine. (Rum) Rev. Zootch. Med. Vet. 16(11):57-62. Ref. Nov. 1966. 49 P943 P. Mitroiu, I. May, and I. Jivanescu, joint authors. English summary.
- 29704 NIESPODZIEWANSKI, M. Histochemical activity of unspecific phosphatases in the developing cerebellum of the domestic pig. II. Nuclei of the cerebellum. (Pol) Lublin, Univ. Marii Curie-Sklodowskiej. Ann. Sect. DD, 20: 169-177. Ref. 1965, pub. 1966. 512 L96Ad English summary.
- 29705 NILSSON, O. Inflammation of stomach and intestines of baby pigs. (Sw) Svinsskotsel 56(1): 9-12. 46.9 Sv2 Chiefly diarrheal.
- 29706 O'BRIEN, J. D. P. An outbreak of Salmonella cholerae-suis infection in a large pig fattening enterprise in Lancashire. Vet. Rec. 79(20): 558-561. Ref. Nov. 12, 1966. 41.8 V641
- 29707 ODEGAARD, O. A. A study of pneumonia and sepsis in swine caused by Haemophilus parainfluenzae. (No) Nord. Veterinarmed. 18(10): 460-472. Ref. Oct. 1966. 41.8 N813 English summary.
- 29708 PANU, A. Macroscopic and microscopic observations of endocrine glands of swine from iodine deficient areas stimulated with iodine proteins. (Rum) Rev. Zootch. Med. Vet. 16 (11):68-73. Ref. Nov. 1966. 49 P943 English summary. Iodocasein.
- 29709 PEARCE, H. G., and ROE, C. K. Infectious porcine atrophic rhinitis: a review. Can. Vet. J. 7(11):243-251. Ref. Nov. 1966. 41.8 R3224
- 29710 PISKAC, A., and DRAZAN, J. On the problem of the absorption of heterologous (cattle) colostrum in newborn baby pigs. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(8):507-516. Ref. Aug. 1966. 41.9 C333 English summary.
- 29711 PLOWRIGHT, W., BROWN, F., and PARKER, J. Evidence for the type of nucleic acid in African swine fever virus. Arch. Gesamte Virusforsch. 19(3):288-304. Ref. 1966. 448.3 Ar23
- 29712 POHL, P., and others. Control of iron deficiency and its effects on the mortality of young pigs. (Fr) Ann. Med. Vet. 110(5):346-363. Ref. July 1966. 41.8 An78 O. Antoine, J. Thomas, and P. Halen, joint authors. English summary.
- 29713 POPE, C. D. Report swine dysentery immediately. S. Australian J. Agr. 70(3):106-107. Oct. 1966. 23 S084
- 29714 POPLUCHAR, L., and others. On the problem of tuberculosis in swine. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(8):485-496. Ref. Aug. 1966. 41.9 C333 F. Rosival, Z. Jezek, and M. Hebelka, joint authors. English summary. Diagnosis.
- 29715 POPOVIC, M., and BLAGA, M. Foot-and-mouth disease of swine. I. (Se) Vet. Glas. 20(5):371-377. 1966. 41.8 J93 English summary.
- 29716 POPOVIC, M., and BLAGA, M. Foot-and-mouth disease of swine. II. (Se) Vet. Glas. 20(6):447-450. 1966. 41.8 J93
- 29717 PUHAC, I., TARASENKO, B., and JOVANOVIĆ, V. Study of the effect of different types of boxes for farrowing on the occurrence of crushing of baby pigs. IV. The role of the age, sex and weight of baby pigs as a factor in the crushing of baby pigs up to fourteen days old. (Se) Vet. Glas. 20(7):509-514. 1966. 41.8 J93 English summary.

- 29718 PUHAC, I., TARASENKO, B., and JOVANOVIĆ, V. Study of the effect of different types of boxes for farrowing on the occurrence of the crushing of baby pigs. II. The role of race, age and weight of the sows and the size of the litters as factor in the crushing of baby pigs. (Se) Vet. Glas. 20(6):415-421, 1966. 418 J93 English summary.
- 29719 PUHAC, I., TARASENKO, B., and JOVANOVIĆ, V. Study of the effect of different types of farrowing boxes on the occurrence of the crushing of baby pigs. II. Design characteristics of boxes and some body measures of sows and baby pigs. (Se) Vet. Glas. 20(4):251-258, 1966. 418 J93 English summary.
- 29720 RAMISZ, A., and others. Present problems of pasteurellosis of swine in Krakow Province. I. The course of epizooty in the years 1961-1965. (Pol) Med. Weter. 22(7):415-417, July 1966. 418 M463 A. Damm, Z. Szankowska, and N. Notopulos, joint authors.
- 29721 SABEC, D. Prevention of anemia in early weaned baby pigs by iron fumarate. (Se) Vet. Glas. 20(8):579-588, Ref. 1966. 418 J93 English summary.
- 29722 SALAJKA, E. A contribution to the views on etiopathogenesis of coli enterotoxemia in baby pigs after weaning. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(9):537-550, Ref. Sept. 1966. 418 C333 English summary.
- 29723 SAYRE, R. N., PARA, J., and BRISKEY, E. J. Protein alterations and associated changes in porcine muscle as influenced by maturity, genetic background, and post-mortem muscle temperature. J. Food Sci. 31(6):819-824, Ref. Nov./Dec. 1966. 389.8 F7322
- 29724 SCHATZ, B. Modern swine raising. II. Internal parasites rob them of health and growth. (Sp) Agr. Amer. 15(5):24A-24D, May 1966. 58.8 Ag832
- 29725 SCHIMMEL, D., and DRAGHICI, D. Isolation of Mycoplasma in swine and its possible role in diseases of respiratory organs. (Rum) Rev. Zootech. Med. Vet. 16(11):42-51, Ref. Nov. 1966. 49 P943 English summary.
- 29726 SCHMIDT FUNES, E., RAMIREZ CIFUENTES, F. V., and LEON LETELIER, G. Vaccination of suckling pigs against hog cholera with lapinized crystal violet vaccine. (Sp) Rev. Med. Vet. [Buenos Aires] 47(2):97-102, Ref. Mar./Apr. 1966. 418 B86
- 29727 SLEBODZINSKI, A. Interakcja hormonow tarczycy i globulin krwi prosiat w okresie neonatalnym [Interaction between thyroid hormones and thyroxine-binding globulins during early neonatal period in the pig]. Krakow. Inst. Zootech. Wydawnictwa Wlasne 183,43 p. Ref. 1965. 49.9 K85W English summary.
- 29728 STERK, V., MIHAJLOVIC, S., and ANOJCIC, B. A contribution to the study of epizootology of swine erysipelas with special reference to the state of this disease in Yugoslavia from 1929-1959. (Se) Vet. Glas. 20(4):271-276, map. Ref. 1966. 418 J93 English summary.
- 29729 TAFFS, L. F. Helminths in the pig. Vet. Rec. 79(23):671-693, Ref. Dec. 3, 1966. 418 V641 Includes discussion.
- 29730 TAMOGLIA, T. W., and others. Further evaluation of hog cholera immunizing agent-bovine virus diarrhea and hog cholera vaccine, MLV, TCO. U. S. Livestock Sanit. Ass. Proc., 69th Annu. Meeting:385-389, 1965, pub. 1966. 49.9 Un3R A. L. Tellejohn, C. E. Phillips, and F. B. Wilkinson, joint authors.
- 29731 TANNER, S. C. Disease control. 6. Medication through the feed. Hog Prod. 2(10):6-7, Dec. 1966. 46.8 H675
- 29732 TEAGUE, H. S. Field fungi and the nutritional value of corn. Cornell Nutr. Conf. Feed. Manufacturers. Proc. 1966:97-102, Ref. 389.79 C81 Swine poisoning.
- 29733 TELEPNEV, V. A. Modified entero-pancreatic fistulization in swine. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 51(8):1029-1031, Ref. Aug. 1965. 444.8 F58
- 29734 TEOFANOVIC, M., and DURISIC, S. Biochemic properties of alfa hemolytic streptococci isolated in streptococcosis of suckling baby pigs. (Se) Vet. Glas. 20(5):359-362, 1966. 418 J93 English summary.
- 29735 THORSEN, J., and MACPHERSON, L. W. A study of porcine enteroviruses isolated from swine in the Toronto area. I. Isolation and serological grouping of viruses. Can. J. Comp. Med. Vet. Sci. 30(11):308-310, Nov. 1966. 418 C162
- 29736 THORSEN, J., and MACPHERSON, L. W. A study of porcine enteroviruses isolated from swine in the Toronto area. II. Characterization of the viruses as members of the Picornavirus group. Can. J. Comp. Med. Vet. Sci. 30(12):336-339, Ref. Dec. 1966. 418 C162
- 29737 TRUSZCZYNSKI, M., BORKOWSKA, B., and CIOSEK, D. Resistance to antibiotics of E. coli serotypes isolated from swine carcasses. (Pol) Med. Weter. 22(5):264-267, Ref. May 1966. 418 M463 English summary.
- 29738 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Questions and answers about eradicating hog cholera. U. S. D. A. PA-628, slightly rev., 8 p.-folder, Nov. 1966. 1 Ag84Pro
- 29739 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. What you should know about hog cholera. U. S. D. A. PA-577, rev., 8 p.-folder, Sept. 1966. 1 Ag84Pro
- 29740 VEZNIK, Z., and MATOUCH, O. The problem of vaginal cytogram of the hormonal crisis in newborn piglets. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(7):473-478, Ref. July 1966. 41.9 C333 English summary. Estrogenic effect of vaginal mucus in first days of life.
- 29741 WALKER, T., and others. Observations on "leg weakness" in pigs. Vet. Rec. 79(17):472-479, Ref. Oct. 22, 1966. 418 V641 B. F. Fell, A. S. Jones, R. Boyne, and M. Elliot, joint authors.
- 29742 WELNTO, J. Development of the nerve nuclei of the anterior part of the medulla oblongata and pons in the pig. Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD, 20:139-151, Ref. 1965, pub. 1966. 512 L96Ad
- 29743 WELTER, C. J., LAUN, E., and HEAD, H. Transmissible gastroenteritis of swine; properties of a vaccine and immunologic aspects in the sow and pig. Amer. Vet. Med. Ass. J. 149(12):1587-1590, Dec. 15, 1966. 41.8 Am3
- 29744 ZEMANEK, F., and NAVRATIL, J. A contribution to the study of relations between the histological index of the thyroid gland and the growth of swine. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 1:41-49, Ref. 1966. HD1940.C95A1 French and German summaries.
- 29745 ZUFFA, A., and others. Study of properties of the Chinese lapinized virus of hog cholera. (Cz) Veterinarstvi 16(10):433-436, Ref. 1966. 41.8 V6439 E. Wagner, J. Cernek, and L. Mihalovic, joint authors.
- 29746 ZUFFA, A., and others. Study of properties of the lapinized virus of the SFA strain after repeated passages in rabbits and swine. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(9):579-588, Ref. Sept. 1966. 41.9 C333 E. Wagner, V. Rajtar, and J. Bogdan, joint authors. English summary. Hog cholera virus.

- 29747 ZURECK, F. Two cases of total red coloration of fatty tissues (bacon) in slaughter swine. (Ge) Arch. Lebensmittelhyg. 17(10):229-231. Oct. 1966. 41.8 L49

Miscellaneous

- 29748 HANSSON, A. Review of swine progeny testing. (Sw) Hushallningssallsk. Tidskr. 32(8):175-176. 1965. 11 H9522
- 29749 KOSZTOLICH, O. Environmental climate and enzootic pneumonia—with special emphasis on climatic measurements. (Ge) Wien. Tierarztl. Monatsschr. 53(10):678-693. Oct. 1966. 41.8 T345
English summary.
Swine housing.
- 29750 MURGASKI, S., PUHAC, I., and SEVKOVIC, N. Study of the phenomenon of tail biting among swine under fattening. (Se) Veterinaria [Sarajevo] 15(2):223-232. 1966. 41.8 V6494
English summary.

- 29751 PAVLOVIC, O., and others. Study of the effect of different housing conditions upon the fattening of swine. 4. The effect of microclimate on the protein, the lipid and lipoprotein system of the blood serum. (Se) Veterinaria [Sarajevo] 15(1):57-61. Ref. 1966. 41.8 V6494
B. Nikolic, N. Sijacki, and M. Vapa, joint authors.
English summary.
- 29752 PUGH, O. L., and PENNY, R. H. C. A crate for the restraint of large pigs. Vet. Rec. 79 (14):390-392. Oct. 1, 1966. 41.8 V641
- 29753 SNOBL, A. Cannibalism of swine, its pathological and anatomical changes and economic losses it causes. (Cz) Veterinarstvi 16(8):372-373. 1966. 41.8 V6439
- 29754 SOUTH DAKOTA, STATE UNIVERSITY, CO-OPERATIVE EXTENSION SERV. Practical hog production for S. Dak. farmers. S. Dak. State Univ. Ext. Ext. Circ. EC 649, 59 p. Feb. 1966. 275.29 S085
- 29755 WHITEHOUSE, G. How to avoid losses in baby pigs. (Sp) Vida Agr. [Lima] 43(512/513):756-758. 1966. 9.8 V66

ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 29756 BOHN, R. Education of gardeners in technology. (Ge) Landtechnik 21(23):827-830. Dec.1,1966. 58.8 L235
- 29757 DIENER, R. G., BRADLEY, W. A., and MASE, G. E. A deflection algorithm and viscoelastic model for determining relaxation modulus from a simple bending test. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):28-42. Aug.1966. 100 M58S
In relation to engineering problems.
- 29758 ELIAS, F. D. Melsetter's burning question. Rhodesia Agr. J. 63(3):55-56. May/June 1966. 24 R34
Fire causes control.
- 29759 FAUTH, C. Construction and maintenance of farm roads. (Ge) Deut. Agrartechnik. 16(11):489-497. Nov.1966. 58.8 D482
- 29760 FULDA, E. Agricultural engineering—practical professional education for young helpers and master. (Ge) Landtechnik 21(23):802-804. Dec.1,1966. 58.8 L235
- 29761 GOMMEL, W. The importance of the study department "agricultural engineering" in the education of agricultural engineers. (Ge) Landtechnik 21(23):806-808. Dec.1,1966. 58.8 L235
- 29762 GRUSS, K. Evaluation of agricultural machines from the point of view of hygiene and physiology of labor in Czechoslovakia. (Cz) Pol'nohospodarstvo 12(9):739-741. 1966. 19.5 P752
Hazards.
- 29763 GUAY, B. Rural engineering. (Fr) Quebec Lait. Aliment. 25(11):22-25. Nov.1966. 44.8 Q3
As an occupation; includes education.
- 29764 HEIDT, H. Accident prevention in agriculture as educational problem. (Ge) Landtechnik 21(23):833-835. Dec.1,1966. 58.8 L235
- 29765 HEINRICH, The technical professional publication—intermediary between supply and demand. (Ge) Landmasch.-Markt 45(26):1714,1716. Dec.21,1966. 58.8 L239
- 29766 HOLL, E. A. Utilizing farm dams for fish production. Rhodesia Agr. J. 63(2):27-28. Mar./Apr.1966. 24 R34
- 29767 LANGE, A. Engineering education in professional and technical schools. (Ge) Landtechnik 21(23):796,798,800. Dec.1,1966. 58.8 L235
- 29768 LAURITZEN, C. W. Farm ponds and plastic liners. Utah Farm Home Sci. 27(3):90-92. Sept.1966. 100 U1F
- 29769 LEEUWEN, J. C. VAN. Roads in the Westland district. (Du) Naaldwijk. Proefsta. Groenten-Fruiteelt Onder Glas. Jaarverslag 1965:192-196. 86 N122J
English summary, p.12-13 of summary section.
In relation to the transportation of horticultural products.
- 29770 LENTZ, J. H. Agricultural knowledge and skill more necessary than ever. (Ge) Landtechnik 21(23):794-796. Dec.1,1966. 58.8 L235
Engineering.
- 29771 LOBEL, J. An experimental road built by means of cement-stabilized ditches within the framework of the Boekhout land consolidation operations. (Fr) Rev. Agr. [Brussels] 19 (10):1125-1130. Oct.1966. 13 R322
- 29772 MAAS, G., and HOLLEY, K. Accidents in agricultural production cooperatives in the Gentin district in 1964/65. (Ge) Deut. Agrartechnik. 16(11):524-525. Nov.1966. 58.8 D482
- 29773 MATTHIES, H. J. Education of graduate engineer for farm equipment construction. (Ge) Landtechnik 21(23):818-823. Dec.1,1966. 58.8 L235

- 29774 SCHILLING, E. Education of agricultural engineer. (Ge) Landmasch.-Markt 45(26):1722, 1724-1725. Dec.21,1966. 58.8 L239
- 29775 SCHILLING, E. Education of graduate engineers in agricultural engineering. (Ge) Landtechnik 21(23):811-812,814-817. Dec.1, 1966. 58.8 L235
- 29776 SIGNS, L. E. The agricultural engineer and the farm real estate appraiser. Agr. Eng. 47(12): 656,659. Dec.1966. 58.8 Ag83
- 29777 WENNER, H. L. Agricultural engineering education of graduate farmers. (Ge) Landtechnik 21(23):808-811. Dec.1,1966. 58.8 L235

FARM MACHINES AND EQUIPMENT

- 29778 ANTHONY, F. Vital work experience provided via air tools for farm operations. Sci. Farmer [Penn. Sta.] 14(1):6. Fall 1966. 100 P381S
- 29779 BAUMANN, H. Development and trends in farm machinery marketing up to the end of 1966. (Ge) Landmasch.-Markt 45(26):1726, 1728-1729. Dec.21,1966. 58.8 L239
- 29780 BOGDANOVIC, M. The problems of mechanizing farms of private agricultural producers. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 501:1-10. Dec.9,1966. (JPRS 39,029; TT 66-35452) 173 J663Stc
Yugoslavia.
Translation from Opstina 9:14-24. Sept.1966. Issued by CFSTI.
- 29781 BORNEIMANN, H. Practices of the Herford equipment ring. (Ge) Mitt. Deut. Landwirt.-Ges. 81(47):1744-1745. Nov.24,1966. 18 N39
- 29782 BORNSCHEUER, E. Complete mechanization in sugar beet production is possible. (Ge) Agrarjahr 1966:46-51. 18 Ag85
- 29783 EISENHUTH, F. Breeding and field culture of Valeriana officinalis with special emphasis on mechanization. (Ge) Herba Hung. 5(2/3):138-140. 1966. 71.8 H413
East Germany.
- 29784 FOLQUE, N. Forages—mechanized cultural techniques. (Por) Port. Junta Colon. Int. Temas Econ.-Soc. Agr. Resumo Textos Inform. 42:15-23. June 1966. 261.9 P834
- 29785 FORTH, M. W. Materials handling on the farm. Agr. Eng. 47(12):658-659. Dec.1966. 58.8 Ag83
- 29786 FULOPP, G. Large-scale machinery for wide-row grapes. (Hu) Kerteszeti Szolész. 15(22): 4-5. Nov.1966. 80 K474
- 29787 CERDES, Status and immediate goals of the mechanization of sugar beet production with the GDR machine system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 482:9-15. TT 33-34503 (JPRS 38,136; TT 66-34503) 173 J663Stc
Translation from Deutsche Agrartechnik 16 (8):343-345. Aug.1966. Issued by CFSTI.
- 29788 GOULD, J. L. Productivity—and the role of large-scale equipment. Farm Mech. 18(208): 28,31. Dec.1966. 58.8 B772
- 29789 GRAMM, O. Motorized winter equipment. (Ge) Landmasch.-Markt 45(26):1701-1702. Dec.21, 1966. 58.8 L239
Snow removal.
- 29790 GRIGO, ESCU, E. Contributions of the Rumanian machine and tractor stations to the mechanization of agricultural work. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 483:18-21. Oct.13,1966. (JPRS 38,150; TT 66-34577) 173 J663Stc
Translation from Agricultura Socialista 32: 1-2. Aug.11,1966. Issued by CFSTI.
- 29791 GUENZEL, B. Reorganization of spare parts supply in socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 484:7-11. Oct.18,1966. (JPRS 38,200; TT 65-34627) 173 J663Stc
Translation from Deutsche Agrartechnik 9: 424-425. Sept.1966. Issued by CFSTI.

- 29792 HAWKINS, J. C. Taking the guesswork out of farm machinery design. *Farm Mech.* 18(208): 23-26. Dec.1966. 58.8 B772
- 29793 HOGIUND, C. R., and KEARNEY, B. Some economic aspects of mechanization and irrigation of potatoes. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 40,11 p. Feb.1966. 281.9 M5842
- 29794 HOLLANDER, P. A. DEN. Cooperation in agriculture. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(5):152-154. May 1966. 12 N383M
Chiefly cooperative use of equipment.
- 29795 IMPLEMENT AND TRACTOR. 29th annual statistical number. *Impl. Tractor* 81(24),120 p. Nov.21,1966. 58.8 W41
- 29796 JANIK, J. Reflections on the organization of machine maintenance within the farm. (Hu) *Magyar Mezogazdasag* 21(51):9-10. Dec.21, 1966. 19 M27
- 29797 KONOWROCKI, A. Trends and problems of the expansion of mechanization of agriculture in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 451:14-18. July 1,1966. (JPRS 36,504; TT 66-32736) 173 J663Ste
In Poland.
Translation from *Nowe Rolnictwo*, 9:1-2. May 1966.
Issued by CFSTI.
- 29798 LOHDE, H. H. German Farm Machinery Schools [Deutschen Landmaschinenschulen]-DEULA. (Ge) *Landtechnik* 21(23):823-827. Dec.1,1966. 58.8 L235
- 29799 MANGERUD, K. and NAERLAND, G. O. Unloading of silage with hoisting equipment and crane. (No) *Norsk Landbruk* 17:6-8,47. Aug.26,1966. 11 N8122
- 29800 MARING, J. Spray cleaning of agricultural implements and tractors. (Du) *Landbouwmachines* 17(11):1199-1203. Nov.1966. 58.8 L2352
English summary.
- 29801 MULZENBERG, E. W. B. VAN DEN. Horticultural engineering in Israel. (Du) *Neth. Dir. Tuinbouw. Mededel.* 29(9):372-379. Ref. Sept.1966. 86 N384
English summary, p.399-400.
- 29802 MUNCHENBERG, F. Regulation infrared lamp. (Ge) *Tech. Landwirt.* 18(11):330-331. Nov.1966. 58.8 T223
In livestock rearing.
- 29803 PAGES RAVENTOS, D. Mechanization seen by the farmer. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(1):2-7. (Cont.) Jan.1966. 15 Sa5
- 29804 PAGES RAVENTOS, D. Mechanization seen by a farmer. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(2):20-25. (Concl.) Feb.1966. 15 Sa5
- 29805 PASINI, B. More developed mechanization in agriculture. (It) *Agr. Ferrarese* 70(1):9-12. Jan.31,1966. 16 Ag87
- 29806 PETERSEN, H. J. Before the equipment goes into winter storage. (Da) *Dansk Landbrug* 85 (11):311-314. Nov.1966. 280.28 V91
Maintenance.
- 29807 PIRAS, N. Agricultural safety and cosmonautical experiences. (It) *Macch. Motori Agr.* 24 (10):91-96. Oct.1966. 58.8 M13
Safety measures and equipment in farm machinery operation.
- 29808 RUNKI, P., and BORNCHEN, H. Plastics in agricultural machine and tractor building. V. (Ge) *Deut. Agrartech.* 16(11):527-529. Nov. 1966. 58.8 D482
- 29809 SCHNEIDER, H. Misunderstood machine maintenance. (Ge) *Landmasch.-Markt* 45(25):1644, 1646-1647. Dec.7,1966. 58.8 L239
- 29810 SCHRODER, H. Mechanization possibilities in peppermint culture. (Ge) *Herba Hung.* 5(2/3): 148-152. 1966. 71.8 H413
East Germany.
- 29811 SHEPILO, O. A. Necessity for mechanical lifting of fiber stocks. (Rus) *Len Konoplya* 11:34-35. 1966. 73.8 L542
Flax and hemp straw gathering and loading.
- 29812 STRADOVIC, B. Status of agricultural machinery and equipment on Yugoslavia's farms. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 445:125-136. June 20,1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from *Jugoslovenski Pregled*. 11: 425-428. Nov.1965.
Issued by CFSTI.
- 29813 SMITH, R. E. How computers cut design time. *Agr. Eng.* 47(12):648-651. Dec.1966. 58.8 Ag83
- 29814 STEFANSSON, B. Economy and mechanization in agriculture. (No) *Norsk Landbruk* 12:12-13, 29. June 17,1966. 11 N8122
- 29815 STEVENS, G. N., and HUGHES, M. Moisture meter performance in field and laboratory. *J. Agr. Eng. Res.* 11(3):210-217. Sept.1966. 58.8 J82
For grain.
- 29816 TECHNIQUE in the dairy barn; accompanying text to a television series. (Ge) *DLZ-Landtech.* 2. 17(12):768-776,778,780,782,784,786, 788,790,792,794,796. Dec.1966. 58.8 T677
- 29817 TEJCHMA, J. Tasks of state machine centers in implementation of agricultural mechanization program. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest, Food Indus. 486:35-47. Oct.27,1966. (JPRS 38,350; TT 66-34776) 173 J663Ste
Poland.
Translation from *Wies Wspolczesna* 8:11-20. Aug.1966.
Issued by CFSTI.
- 29818 TORGRIMSBY, J. Grapple fork for removal of silage and lye treated straw. (No) *Norsk Landbruk* 12:18-19. June 17,1966. 11 N8122
- 29819 VANEK, J. New safety technique for farm machinery in Czechoslovakia. (Ge) *Deut. Agrartech.* 16(11):485-486,488-529. Nov.1966. 58.8 D482
- 29820 WAL, S. I. VAN DER, and others. Loonbedrijven, werktuigencoöperaties en -combinaties in Denemarken [Contract firms, equipment cooperatives and combines in Denmark; report on a study trip August 8-12, 1966]. Wageningen. Proefsta. Akker- Weidebouw. Meded. 125,38 p. Oct.1966. 64.9 W122
W. Riethorst, R. K. Oving, and L. Nieuwenhijze, joint authors.
- 29821 WETTERBLAD, B. Maintenance of equipment. (Sw) *Var Naring* 42(12):336-337,342. Dec. 1965. 44.8 M692

Animal Husbandry Equipment

- 29822 AUTOMATED feed system. *Agr. Eng.* 47(12): 660. Dec.1966. 58.8 Ag83
For cattle.
- 29823 EDWARDS, A. B. Mechanical efficiency of milking machines in Rhodesia. I. Rhodesia. *Agr. J.* 63(3):54-55. May/June 1966. 24 R34
- 29824 FEHER, K. Home-made self-waterer and self-feeder for piglet. (Hu) *Magyar Mezogazdasag* 21(47):16-17. Nov.23,1966. 19 M27
- 29825 GIVENS, F. B., and CLICK, L. S. Mechanize silage feeding in stall barns. *Hoard's Dairyman* 111(24):1477. Dec.25,1966. 44.8 H65
- 29826 GYORI, B. New milk feeding cart for calves. (Hu) *Magyar Mezogazdasag* 21(48):19. Nov.30, 1966. 19 M27
- 29827 KELLER, W. New ways in calf feeding through automation. (Ge) *Tierzuchter* 18(22): 777-778,781. Nov.20,1966. 49 T445
- 29828 LEHMANN, R. Feed automats for moist crumbling feed in swine fattening. (Ge) *Deut. Landwirt.* 17(10):500-504. Ref. Oct.1966. 18 D4822
- 29829 MCQUITT, J. B., and STEVENSON, R. Self-feeding silage on slatted floors. *Agr. Northern Ireland* 41(8):244-249. Dec.1966. 256.13 Ag82M
Beef cattle.

- 29830 SLETVOLD, L. Our pipeline milking machines in the searchlight. (No) Buskap Avdratt 18(2):93-95. 1966. 49 B96
- 29831 VELEZ, D. Contribution to the article on better utilization and constant maintenance of milking machines. (Hu) Magyar Mezőgazdaság 21(46):16-17. Nov.16,1966. 19 M27
By K. Feher.
- 29832 WAKEMAN, D. L. Light horse equipment. Fla. Dep. Agr. Bull. 188(rev.):189-196. Jan.1965. 2 F66B

Cultivation and Tillage Equipment

- 29833 ARNDT, W., and ROSE, C. W. Traffic compaction of soil and tillage requirements. I-IV. J. Agr. Eng. Res. 11(3):170-187. Ref. Sept. 1966. 58.8 J82
- 29834 NIJENHUIS, A. G. Furrowers or ridgers. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23 (5):168-170. May 1966. 12 N333M
For potato planting.
- 29835 VANDEN BERG, G. E. Analysis of forces on tillage tools. J. Agr. Eng. Res. 11(3):201-205. Sept.1966. 58.8 J82
- 29836 VERESS, A., and MAGYARI, J. Accident prevention in plowing on slopes. (Hu) Magyar Mezőgazdaság 21(50):7. Dec.14,1966. 19 M27
- 29837 WISSKIRCHEN, P. Improved garden scissors. (Ge) Tech. Gartenbau 3:3-4. Mar.1966. 80 T223
Fruit pruning.

Fertilizing and Planting Equipment

- 29838 ALLIOT, E. J. Grain planter for zones with soil moisture problems. (Sp) Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 9(4):59-63. 1966. 343 R32
- 29839 BILLINGTON, W. P. A spaced-plant seeder for cereals. J. Agr. Eng. Res. 11(3):227-229. Sept.1966. 58.8 J82
- 29840 DADE, E. A planter for spacing seeds within rows in flats. Agron. J. 58(6):636-637. Nov./Dec.1966. 4 Am34P
- 29841 MOENS, A. Seed planting and fertilizing equipment. (Du) Landbouwmechanisatie 17(11):1191-1194. Nov.1966. 58.8 L2352
English summary.
- 29842 PHILLIPSON, A., and DWYER, M. J. Distributing fertilizer by a seed drill mechanism. J. Agr. Eng. Res. 11(3):218-221. Sept.1966. 58.8 J82
- 29843 STARODINSKII, D. Z., and CYNMEER, D. YA. New pit diggers. (Rus) Traktory Sel'khoz-mashiny 11:42-43. Nov.1966. 58.8 T68
Used in fruit planting.

Harvesting Equipment

- 29844 BEKESY, M., TREFAS, L., and NAGY, F. Mechanization of the harvesting of ergot. (Hu) Herba Hung. 5(2/3):237-253. 1966. 71.8 H413
German summary.
- 29845 BERENTSEN, O. Low moisture grass silage in big tower silos; mechanized harvesting and ensiling and automatic feeding with grass silage. (No) Norsk Landbruk 13:8-10,28. July 1, 1966. 11 N8122
- 29846 BLASSE, W., and GROH, W. Tests with the mechanized harvesting of cherries. (Ge) Obstbau [Berlin] 6(1):13-15. Jan.1966. 80 Ob79
- 29847 BLUME, F. Mechanization of straw baling. (Ge) Übersicht 17(8):624-628. Aug.13,1966. 18 Ub3
- 29848 CHANCELLOR, W. J. An experiment on force and energy requirements for cutting padi stalks. Malaysian Agr. J. 45(2):200-203. July 1965. 22.5 F312
- 29849 DORN, M. Comparative tests with various mowers on the Jork fruit testing grounds of Esteburg. (Ge) Obstbauversuchsanstalt Alten Landes. Mitt. 21(6):235-238. June 1966. 85 J76

- 29850 FEHRMANN, W. Economic problems of the mechanized fruit harvesting. (Ge) Obstbau [Berlin] 6(7):106-107. July 1966. 80 Ob79
- 29851 GOTZ, W. Grain corn harvesting in the focus. (Ge) Landmasch.-Markt 45(26):1703-1705. Dec.21,1966. 58.8 L239
- 29852 KAPPETEIN, G. C. Research on harvesting methods at "De Eest." (Du) Peulvruchten Stud. Combinatie. Meerjarenplan Onderz. Akkerbouwpeulvruchten 8:19-30. 1966. 60.38 P46
Equipment for harvesting of peas.
- 29853 KONING, K. DE., and WATERSCHOOT, R. VAN. Research on simplification of harvesting of peas and beans. (Du) Peulvruchten Stud. Combinatie. Meerjarenplan Onderz. Akkerbouwpeulvruchten 8:16-18. 1966. 60.38 P46
Chiefly equipment.
- 29854 LANGMO, R. D. Guide to selection and use of orchard man-positioning machines. Oreg. State Univ. Ext. FS 109,2 p. July 1966. 275.29 Or36
Harvesting equipment.
- 29855 MARCHANT, W. T. B., and CHITTEY, E. T. Automatic control of sugar beet harvester shares. J. Agr. Eng. Res. 11(3):188-200. Sept.1966. 58.8 J82
- 29856 MARTIN, W. Combining grass seed. Agr. Northern Ireland 41(6):178-179. Oct.1966. 256.13 Ag82M
Mechanical harvesting; with special emphasis on the combine harvester, in Northern Ireland.
- 29857 MEASURES for further improvements of harvesting equipment and organization of the work management in sugar beets harvesting. (Rus) Sakharn. Svelka 12:29-32. Dec.1966. 66.8 Su393
- 29858 MURPHY, D. H. Mechanical harvesters make major inroads. Canner/Packer 135(13):44. Dec.1966. 286.83 C16
For harvesting cucumbers.
- 29859 NELSON, J. W. Mechanical harvesting of the highbush blueberry. Maine. Agr. Exp. Sta. Misc. Rep. 118:58-59. 1966. 100 M28M
Equipment in Michigan.
- 29860 NIJENHUIS, A. G. Developments in hay production. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(5):179-181. May 1966. 12 N383M
Harvesting equipment and drying.
- 29861 NILSSON, B. Economic view on the selection of combine. (Sw) Malmöhus Lans Hushallningssallsk. Kvartalsskr. 1:24-34. 1966. 11 M29
- 29862 SCHMERLER, J. Technological problems of forage beet harvesting. (Ge) Deut. Landwirt. 17(10):495-497. Oct.1966. 18 D4822
Mechanization and storage possibilities of mechanically harvested beets.
- 29863 SLIGHT, D. L. Some X-ray absorption and scatter properties of potatoes and stones. J. Agr. Eng. Res. 11(3):148-151. Sept.1966. 58.8 J82
In relation to the design of a sensing unit for potato harvesting.
- 29864 SOULE, H. M. Mechanical harvesting of low-bush blueberries, a progress report. Maine. Agr. Exp. Sta. Misc. Rep. 118:55-57. 1966. 100 M28M
Equipment in Maine.
- 29865 STROOKER, E. Beet harvesting in France and Belgium. (Du) Landbouwmechanisatie 17(11):1137-1142. Nov.1966. 58.8 L2352
English summary.
- 29866 SZUCS, M. Experiences in mechanical harvesting of rice. (Hu) Magyar Mezőgazdaság 21(51):14-15. Dec.21,1966. 19 M27
- 29867 VALKAMA, T. Better hay in spite of less work. (Sw) Tidskr. Lantman. Andelsfolk 11/12:294-295. June 1965. 20 T43
Chiefly harvesting equipment in Finland.
- 29868 WIREN, G. A simple home dryer can facilitate combine harvesting of meadow seed. (Sw) Svensk Frotid. 35(6):104,106-107. June 15, 1966. 61.8 Sv2

Land Clearing Equipment

- 29869 MATÉRI, M. Machines for exterior arrangement of soils. (Hu) Macch. Motori Agr. 24(10): 65-83. Oct.1966. 58.8 M13
Land clearing, chiefly.

Processing Equipment Used on the Farm

- 29870 ANTONENKO, G. P. More attention to the construction of tobacco drying equipment. (Rus) Tabak 4:35-38. 1966. 69.8 T112
- 29871 BUSCHBECK, E. Beam ventilation system with hot air conveyance, a modern method in drug plant drying. (Ge) Herba Hung. 52(3): 153-156. 1966. 71.8 H413
- 29872 CHRISMAN, J., and others. Separation-Nebraska stage-of-growth study. U. S. Agr. Res. Serv. ARS-74-36:17-24. 1965. A361 R31AB
G. O. Kohler, A. C. Mottola, and J. W. Nelson, joint authors.
Dehydrating equipment for alfalfa.
- 29873 CLAESSON, S. Cold air or hot air—nine tips for the selection of grain dryer. (Sw) Jord Skog 18(5):26-27,30-31. 1966. 58.8 M373
- 29874 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Farm grain drying and storage. Ed. 3. Great Brit. Min. Agr. Fish. Food. Bull. 149,172 p.,map. Ref. 1966. 10 G794B
Equipment and structures.
- 29875 HOCHKONIG, W. Mechanization of silo operations under various systems of ensiling. (Ge) Forderungsdienst 14(5):162-165. May 1966. 19 F75
Austria.
- 29876 ILLES, T. Problems of drying and storing of corn. (Hu) Magyar Mezogazdasag 21(46):3-4. Nov.16,1966. 19 M27
- 29877 KEMP, D. C. Cleaners for vined peas from plots. J. Agr. Eng. Res. 11(3):224-226. Sept. 1966. 58.8 J82
- 29878 LUNDQUIST, L. Better milk can tables. (Sw) Var Naring 42(11):305,307. 1965. 44.8 M692
- 29879 NOGUERA ESPONA, R. Considerations on the drying of alfalfa. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(3):36-40. Mar.1966. 15 Sa5
Forced air drying.
- 29880 RIEMANN, U. Home-produced groats preparation in a new perspective. (Ge) Betriebswirtschaft. Mitt. Wirtschaftsberater 145:13-19. Nov.15,1966. 281.8 B462
Grain milling and mixing equipment for feed production.
- 29881 RUHMANN, H. Modern milk cooling. III. (Ge) Tierzucht 18(23):811-813. Dec.5,1966. 49 T445
Equipment and cost of cooling.
- 29882 STEVENS, M. A., and FRAZIER, W. A. A low cost, small plot, bean thresher. HortScience 11(1):24-25. Winter 1966. SB1.H6
- 29883 WETTERBLAD, B. Heat for the dryer. (Sw) Vastmanlands Lans Hushallningssallsk. Tidskr. 4:22-25. 1965. 11 V44T
Grain drying.
- 29884 WETTERBLAD, B. How much should one concentrate on dryer on the farm? (Sw) Jord Skog 18(5):22-23,45. 1966. 58.8 M373
Cost of grain dryer.

Repair, Maintenance, and Construction Equipment

- 29885 BOSMA, A. H. Technical details of vacuum slurry tanks. (Du) Landbouwmecanisatie 17 (11):1155-1159,1161-1162. Nov.1966. 58.8 L2352
English summary.
- 29886 CHRISTENSEN, S. Welding equipment on the farm? (No) Norsk Landbruk 17:18-21,32. Aug.26,1966. 11 N8122
- 29887 FELLER, H. Versatile farm handicraft. (Ge) Landmasch.-Markt 45(25):1654,1656. Dec.7, 1966. 58.8 L239

- 29888 LÖNNERT, A. The liquid manure chain. (Ge) Tech. Landwirt. 18(11):324,326. Nov.1966. 58.8 T223
- 29889 POLAK, F. Winter storage of machines. (Hu) Magyar Mezogazdasag 21(49):7-8. Dec.7,1966. 19 M27
- 29890 ROBINSON, T. W. The handling of slurry from dairy cows—a comparison of some methods used with cubicles. Northern Ireland. Rec. Agr. Res. 15(1):77-98. 1966. 10 N81R

Spraying and Dusting Equipment

- 29891 BRUNSWICK. BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. List of officially tested and approved mist, spray, sprinkler and dust applicators with technical data. (Ge) Brunswick. Biol. Bundesanst. Land- Forstwirtschaft. Merkbl. 24,ed.2, 40 p. Sept.1965. 464.9 B833M
In plant protection.
- 29892 DUMAS, W. T. Factors affecting nozzle orifice wear. Highlights Agr. Res. [Ala. Sta.] 13(4): 7. Winter 1966. 100 ALIH
Spraying equipment.
- 29893 FEDOROV, YU. L. Equipment of the German Democratic Republic. (Rus) Sadovodstvo 11: 44-45. Nov.1966. 80 Sa13
Chiefly fruit spraying.
- 29894 SCHROEDER, W. Tested spraying and atomizing equipment. (Ge) Obstbauersuchsrng Alten Landes. Mitt. 21(4):152-155. Apr.1966. 85 J76
- 29895 STRETCH, A. W., and SPRINGER, J. K. Custom applicator. Agr. Chem. 21(12):59-60. Dec.1966. 381 Ag8
The ground effect machine (GEM) for applying pesticides to growing crops; fungicides on cranberries tested.
- 29896 ZISLAVSKY, W. Brief survey of recognized plant protection equipment for 1964 and 1965. (Ge) Pflanzenarzt 19(1):2-8. Jan.1,1966. 464.9 P482
Spraying and dusting.

Vehicles

- 29897 BJERNINGER, S. How to create a good working place on the tractor. (Sw) Lantmannen 76 (26):14-15. Dec.25,1965. 11 L234
Tractor seat.
- 29898 BOSZNAY, L. New fuel supplying system for tractor. (Hu) Mezogazdasagi Tech. 6(11):4-7. 1966. 58.8 M572
- 29899 BRITT, W., and BOIGK, S. Aspects of the development of flying. (Ge) Deut. Landwirt. 17 (9):434-436. Sept.1966. 18 D4822
In agriculture.
- 29900 BÜCHMEIER, A. A battery recharger saves time and annoyance. (Ge) Übersicht 17(8):641-643. Aug.13,1966. 18 U63
For tractors.
- 29901 COWELL, P. A., and MAKANJUOLA, G. A. The lateral dynamic behaviour of tractor-mounted implements, with particular reference to the three-point linkage. J. Agr. Eng. Res. 11(3):152-169. Sept.1966. 58.8 J82
- 29902 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. General considerations on tractors for grape growing. (Fr) France. Cent. Nat. Etudes Exp. Mach. Agr. Bull. Inform. 100:25-28. May 1966. 58.9 F843B
In France.
- 29903 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Hydraulic lifts on tractors. (Fr) France. Centre Nat. Etud. Exp. Mach. Agr. Bull. Inform. 100:39-53; 101:29-32. May-June 1966. 58.9 F843B
Review of the literature.
Charts indicating various types.

- 29904 GALAJ, D., and HUNEK, T. Factors for profitable management of farming circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 500:1-5. Dec.2,1966. (JPRS 38,922; TT 66-35346) 173 J663Ste
Tractor operation costs in Poland.
Translation from Nowe Rolnictwo 16:6-7. Aug.1966.
Issued by CFSTI.
- 29905 COCKLER, L. Better utilization of tractors. (Hu) Magyar Mezőgazdaság 21(46):5-6. Nov.16,1966. 19 M27
- 29906 COCKLER, L. Some problems in the organization of transportation. (Hu) Magyar Mezőgazdaság 21(47):7-8. Nov.23,1966. 19 M27
- 29907 GRYSIAK, J. Tractor and machine operating costs in agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 489:19-29. Nov.10,1966. (JPRS 38,588; TT 66-35013) 173 J663Ste
Poland.
Translation from Mechanizacja Rolnictwa. 17:15-17. Sept.1966.
Issued by CFSTI.
- 29908 HEDELL, O. What can we expect for transmissions? (Sw) Lantmannen 76(26):11-13. Dec.25,1965. 11 L234
Tractors.
- 29909 JONSSON, A. More horsepower. (Sw) Lantmannen 76(26):4-5. Dec.25,1965. 11 L234
Tractors.
- 29910 KNISSE, A. Small and fast transporting vehicles in agriculture. (Ge) Deut. Agrartechn. 16(11):512-514. Nov.1966. 58.8 D482
- 29911 LONG, M. E. Cold weather starting aids. Hoard's Dairyman 112(1):19. Jan.10,1967. 44.8 H65
Maintenance of electric batteries in the tractor and truck engines.
- 29912 LUNDSTROM, T. Four-wheel tractors—is it worth the cost? (Sw) Lantmannen 76(26):6-8. Dec.25,1965. 11 L234
- 29913 MAGISTER, W. Standardization on the tractor front. (Ge) Mitt. Deut. Landwirt.-Ges. 81(43):1600,1602. Oct.27,1966. 18 N39
- 29914 MATHISEN, K. Safety standards in the use of tractors. (Sp) Vida Agr. [Lima] 43(512/513):745-748. 1966. 9.8 V66
- 29915 MULLER, O. The importance of graduated drive. (Ge) Mitt. Deut. Landwirt.-Ges. 81(44):1631-1632. Nov.3,1966. 18 N39
In tractors.
- 29916 NATIONAL MARKET REPORTS. National farm tractor and implement blue book; valuation guide, 1967. Vol. 28, No. 1. Chicago, 1966. 371 p. 58.9 N212
- 29917 NJOS, A., and NORDBY, A. Effect of rear tyre dimensions of tractors and tractor traffic in potato cultivation. J. Agr. Eng. Res. 11(3):143-147. Ref. Sept.1966. 58.8 J82
Effects on yields.
- 29918 NORDSTROM, O. News about tractor treads. (Sw) Lantmannen 76(26):16-19. Dec.25,1965. 11 L234
- 29919 PERSSON, S. Tractor and equipment work together for efficiency. (Sw) Lantmannen 76(26):9-10. Dec.25,1965. 11 L234
Power take-off.
- 29920 PETERSDORFF, H. Rationalized agricultural transport using containers and pallets. (Ge) Deut. Agrartechn. 16(11):519-523. Nov.1966. 58.8 D482
- 29921 PETERSEN, R. Motors and human labor force in the U.S.A. (Ge) Tech. Landwirt. 18(10):298, 300. Oct.15,1966. 58.8 T223
Comparison of tractor and labor performances.
- 29922 PETKOV, TS., and others. The use of tractors on cooperative farms and machine tractor stations in 1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 495:1-4. Nov.25,1966. (JPRS 38,812; TT 66-35236) 173 J663Ste
D. Peychev, M. Vasileva, and S. Minkov, joint authors.
Translation from Mechanizatsiya i Elektrifikatsiya 9:3-6. Sept.1966.
Issued by CFSTI.
- 29923 PYRKOV, A. P., and MITROFANOV, G. V. Novelty in the accounting of truck performances. (Rus) Uchet Finansy Kolhoz. Sovkhoz. 10:9-11. Oct.1966. 30.69 Uc4
- 29924 RAUSSENDORF, H., and SCHMIDT, F. The top-heavy single-axle trailer and its advantages with respect to the mechanics of the ride. I. (Ge) Deut. Agrartechn. 16(11):514-516. Ref. Nov.1966. 58.8 D482
- 29925 ROSSING, W. Measurement of power and moment at the p.t.o. (Du) Landbouwmecanisaatie 17(11):1183-1186. Nov.1966. 58.8 L2352
English summary.
- 29926 SARKOZY, P. Tractors and tractor operators in winter. (Hu) Mezőgazdasági Tech. 6(11):1-3. 1966. 58.8 M572
Maintenance.
- 29927 SHPODARENKO, I. P. Ekonomicheskaya effektivnost' ispol'zovaniya skorostnykh traktorov [Economic effectiveness of using high speed tractors]. Moskva, Kolos, 1965. 103 p. S711.85
- 29928 SONNEN, F. J. Education of farmers on transportation connected conditions. (Ge) Landtechnik 21(23):830-833. Dec.1,1966. 58.8 L235
Operation of vehicles and other equipment.
- 29929 SOTNIKOV, N. V. Accounting costs of the tractor operations. (Rus) Uchet Finansy Kolhoz. Sovkhoz. 10:12-13. Oct.1966. 30.69 Uc4
- 29930 TOSZEGI, Z. Once again on double shift work. (Hu) Magyar Mezőgazdaság 21(46):10-11. Nov.16,1966. 19 M27
Better utilization of tractors.
- 29931 VLASOV, P. A., and others. Remont kabin traktorov i avtomobilei [Repairing cabins of tractors and automobiles]. Moskva, Kolos, 1965. 96 p. Ref. TL52.R4
V. A. Stepanov, D. Yu. Rybakov, and A. P. Popov, joint authors.
- 29932 WAYMAN, J. A., and MAUGHAN, G. L. The effect of soil compression by tractor wheels on sugar beet dirt loss. J. Agr. Eng. Res. 11(3):206-209. Sept.1966. 58.8 J82
- 29933 WEBER, J. A. Comparing costs of operations for gasoline tractors, LP-gas tractors, diesel tractors. Ill. Univ. Ext. Circ. 944.8 p.-folder. 1966. 275.29 IL62C
- 29934 WETTERBLAD, B. You can take care of this on the tractor yourself. (Sw) Jord Skog 18(5):36-37. (Cont.) 1966. 58.8 M373
Maintenance.
- 29935 WILD, E., and BLOSS, M. Studies of the layout of all-wheel driven vehicles. (Ge) Deut. Agrartechn. 16(11):516-519. Nov.1966. 58.8 D482
- 29936 ZIMMERMAN, M., and LONG, M. E. Hydrostatic transmissions. II-IV. Impl. Tractor 81(26):14-15,17-20,32. Dec.21,1966. 58.8 W41
For tractors.

FARM STRUCTURES AND RURAL HOUSING

- 29937 BERGE, E. Prefabrication of farm buildings. (No) Norsk Landbruk 17:14-17,35. Aug.26, 1966. 11 N8122
- 29938 BORCHERT, K. L. Prefabricated wall and ceiling elements. (Ge) Bauen Lande. Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke 3:20-28. 1966? 296.8 B322
- 29939 BORDEIANU, C., DELEANU, V., and PITICU, I. Shortcomings in construction activities on state farms in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:38-41. Nov.29,1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Translation from Scinteia. 36(7131):1,3. Oct.14,1966.
Issued by CFSTI.
- 29940 EISFELD, E. Roof construction and supporting operations. (Ge) Bauen Lande. Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke 3:15-19. 1966? 296.8 B322
Prefabrication.
- 29941 FRITZ, R. Rationalization according to the construction frame principle in agricultural building. (Ge) Agrarjahr 1966:13-18. 18 Ag65

- 29942 GALLO, H., and KOHLER, A. Community buildings, multi-purpose halls, kindergartens. (Ge) *Bauen Lande* 17(11):278-282. Nov.1966. 296.8 Ar1
Designs.
- 29943 HJULSTAD, O., and GJERDE, I. Factors influencing building economy. (No) *Norsk Landbruk* 17:22-23,28-29.41. Aug.26,1966. 11 N822
- 29944 KOPEC, W. Farm construction—present status and planned expansion in 1966–1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:5-18. Oct.27, 1966. (JPRS 38,350; TT 66-34776) 173 J663St6
Poland.
Translation from *Investycje i Budownictwo* 7:8-6-12. July/Aug.1966.
Issued by CFSTI.
- 29945 KULKE, E. Reorganization of old farms—and the cooperation of builder and architect. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(47):1736,1738, 1740. Nov.24,1966. 18 N39
- 29946 ROHKST, P. A. Mechanical preparation and efficient use of prefabricated construction parts. (Ge) *Bauen Lande, Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke* 3:4-9. 1966? 296.8 B322
- 29947 TORP, A. Slatted floor—grate in barns. (No) *Buskap Avdratt* 18(2):81-83,119. 1966. 49 B96
- 29957 JELINEK, I. Ventilation of cattle stalls. (Hu) *Magyar Mezőgazdaság* 21(48):15. Nov.30,1966. 19 M27
- 29958 KOSAR, K. Interrelation between the microclimate in the housing for feeding poultry for meat production and the system of ventilation. (Cz) *Veterinarstvi* 16(11):520-523. 1966. 41.8 V6439
- 29959 KUBICEK, J., and MIKESOVA, M. Stations for checking egg and meat production of poultry. (Cz) *Brno, Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon.* 1:51-64. 1966. HD1940.C95A1
French and German summaries.
Housing.
- 29960 LINDBERG, A. Free choice—the dilemma of building activities. (Sw) *Var Naring* 42(12): 338-341. Dec.1965. 44.8 M692
Construction of dairy barns.
- 29961 LUBINUS, L., and DURLAND, G. R. Swine housing and equipment. S. Dak. State Univ. Ext. Ext. Circ. E 649:31-47. Feb.1966. 275.29 So85
- 29962 MOLBERT, H. Rough calculation of building prices and costs. (Ge) *Tierzucht* 18(23): 818-819. Dec.5,1966. 49 T445
For livestock.
- 29963 NEUHAUS, F. Agricultural constructions. (Fr) *Ann. Agr.* 6:39-43,45-49,51,53. 1966/1967. 17 An73
Of buildings for cattle and swine in Switzerland.
- 29964 SCHMIDT, C. Technical construction sanitation for closed barns. II. (Ge) *Landliche Bauberatung* 12:1-4. In *Deut. Landwirt.* 17(10). Oct.1966. 18 D4822
Ventilation; includes plans.
- 29965 TELEUGALIEV, T. M. Dezinfektsiya skotopomeshchenii [Sanitation of cattle housing]. Alma-Ata, Kainar, 1965. 63 p. SF757.T4
Text in Kazakh.
- 29966 TOTH, L. Mechanized cow barn for 108 cattle. (Hu) *Magyar Mezőgazdaság* 21(47):17-18. Nov.23,1966. 19 M27
- 29967 WAGENBACH, H. The breeding stall. (Ge) *Tech. Landwirt.* 18(10):288-289. Oct.15,1966. 58.8 T223
For swine.
- 29968 WAGENBACH, H. The modern fattening stall. (Ge) *Tech. Landwirt.* 18(11):316-318. Nov. 1966. 58.8 T223
For swine.

Animal Shelters and Animal Service Buildings

- 29948 AA, R. VON DER, and JENSCH, D. Recommendation of a method to measure the major factors of stable climate. (Ge) *Monatsh. Veterinarmed.* 21(15):561-565. Ref. Aug.1,1966. 41.8 M742
English summary.
Temperature, humidity, ventilation.
- 29949 CHAPPERON, R. L'ABC della stabulazione libera [The ABC of loose housing]. Ed. 2. Bologna, Calderini, 1965. 32 p. (Universale Edagricole, No. 12) SF91.C4
Cattle in Italy.
- 29950 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Loose housing in individual stalls. (Fr) *France, Centre Nat. Etud. Exp. Mach. Agr. Bull. Inform.* 101:19-28, map. June 1966. 58.9 F843B
Plans for dairy cattle.
- 29951 FRITZ, R. Prefabrication of foundations and barn floors. (Ge) *Bauen Lande, Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke* 3:29-32. 1966? 296.8 B322
- 29952 GODOLLO, AGRARTUDOMANYI EGYETEM. MEZOGAZDASAGI EPITESZETI TANSZEK. A feher hussertes fiazatok letesitesenek iranyelvei [Principles for building of farrowing stalls for White meat pigs]. Budapest, 1965. 50 p. TH4930.A3
English summary.
- 29953 HENRIKSSON, R. Technical views on the choice of new buildings and remodeling. (Sw) *Lantmannen* 76(25):24-27. Dec.11,1965. 11 L234
In relation to costs of dairy barns.
- 29954 HOFFMANN, H. The relations between the single climatic factors in fattening sties. (Ge) *Monatsh. Veterinarmed.* 21(15):572-578. Ref. Aug.1,1966. 41.8 M742
English summary.
Includes temperature and humidity, carbon dioxide, oxygen, ammonia and air germ content measurement.
- 29955 HOFFMANN, H. Studies on the climate in large-group fattening pig sties with special reference to physical climatic factors. (Ge) *Monatsh. Veterinarmed.* 21(15):566-572. Ref. Aug.1,1966. 41.8 M742
English summary.
Temperature, humidity, ventilation.
- 29956 JANAC, K., and MRAZ, A. Heating system of the houses for the feeding of swine in Tatra regions. (Cz) *Veterinarstvi* 16(8):450-455. 1966. 41.8 V6439
- 29969 CONKLIN, M. J., and MCELROY, R. C. A survey of migrant farmworker housing in Oregon. *Oreg. Agr. Exp. Sta. Sta. Bull.* 602,39 p., map. June 1966. 100 Or3
U. S. Department of Agriculture, cooperating.
- 29970 DREYER, A. The interior finishing of the dwelling house with attention to prefabrication. (Ge) *Bauen Lande, Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke* 3:9-14. 1966? 296.8 B322
- 29971 PERUN, D. Rural construction investments 1966–1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 500:6-11. Dec.2,1966. (JPRS 38,922; TT 66-35346) 173 J663St6
Poland.
Translation from *Nowe Drogi* 11:136-141. Nov.1966.
Issued by CFSTI.

Farmhouses and Farmsteads

Greenhouses and Plant Service Buildings

- 29972 ALBERS, R. B. Artificial lighting equipment. (Du) *Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag* 1965:183-188. 86 N1123
English summary, p.10 of summary section.

- 29973 BAKKER, D. Glass cleaning equipment. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:171-173. 86 N112J
English summary, p.10 of summary section.
- 29974 BAKKER, D. Mechanical operation of glass-house lights. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965: 175-182. 86 N112J
English summary, p.10-11 of summary section.
- 29975 DLJKHUIZEN, T. Influence of dirty glass on light transmission. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:79-82. 86 N112J
English summary, p.4-5 of summary section.
- 29976 GOOSSENS, A. Air heating. (Fl) Tuinbouw-berichten 35(10):355. Oct.1966. 80 T817
In greenhouses.
- 29977 STRUBOSCH, T. Ventilation and heating in tomato glass houses. (Du) Neth. Dir. Tuinbouw. Mededel. 29(9):364-371. Sept.1966. 86 N384
English summary, p.399.
- 29978 TAVEIRNE, W. Automatic regulation of temperature in greenhouses. (Fl) Tuinbouwberichten 30(3):86-90. Mar.1966. 80 T817
- 29979 UFFELEN, J. A. M. VAN. "Warm feet" for cucumbers. (Du) Groenten Fruit 22(16):652-653. Oct.26,1966. 80 G89
Heating manure for hotbeds.
- 29980 MIEBE, J. The national agricultural plastics testing program—phase I. Ontario. Hort. Exp. Sta. Rep. 1965:72. 1966. 101 On823
Plastic films for greenhouses.

Materials and Methods

- 29981 GORSKII, G. YU., and ANUFRIEV, L. N. Determination of the emission coefficients of some building materials. (Cz) Pol'nokhodstvo 12(8):377-382. 1966. 19.5 P752
Solar radiation in livestock buildings construction.

Storage Structures

- 29982 ACHILLES, S. Silos and grain storehouses. (Ge) Bauen Lande. Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke 3:32-37. Ref. 1966? 296.8 B322
- 29983 BAKO, SZ., and VARGA, A. Fruit storage cooling structure. 25-wagon size at Kiskunlac-haza. (Hu) Magyar Mezogazdasag 21(47):12-13. Nov.23,1966. 19 M27
- 29984 GLEMMESTAD, E. Are tower silos something for us? (No) Norsk Landbruk 14/15:14. July 15,1966. 11 N8122
- 29985 HEDREN, A. Manure tanks—material and construction. (Sw) Var Naring 42(11):306-307. 1965. 44.8 M392
- 29986 KOLL, F. Building materials, building technique, labor requirements and costs for the construction of modern silos. (Ge) Forderungsdienst 14(5):149-162. May 1966. 19 F75
Austria.
- 29987 KROLL, J. The requirements of agricultural practice in technique and construction in the modern silo economy. (Ge) Forderungsdienst 14(5):145-149. May 1966. 19 F75
Austria.

- 29988 PEARSON, J. D. Safe grain storage on the farm. Rhodesia Agr. J. 63(5):107-108. Sept./Oct.1966. 24 R34
Structures.

- 29989 SIMKEK, J. Utilization of synthetic materials in the storage of potatoes. (Rum) Probl. Agr. [Bucharest] 18(8):83-85. Aug.1966. 21 R862
Plastics.

FARM UTILITIES

Electricity and Electrification

- 29990 BURES, J. Status and development of agricultural electrification in Czechoslovakia. (Ge) Deut. Agrartech. 16(11):525-526. Nov.1966. 58.8 D482
- 29991 HOY, T. North Dakota pioneers data processing center. Rural Elec. 24,i.e.25(4):14-16,40. Jan.1967. 335.8 N21
Electronic Data Processing Division of the North Dakota Association of Rural Electric Cooperatives.
- 29992 POUYAT, J., and JUGE, L. Guercheville: a village opens to new life. (Fr) Rev. Appl. Elec. 39(spec.no.213):128-135. Second Q.1966. 335.8 R32
Electrification.
- 29993 SPEVAK, L. B., and KAZANNIKOV, I. A. Os-novy elektrobezopasnosti na sele [Principles of electrical safety measures on the farm]. Minsk. Urozhai, 1965. 81 p. Ref. TK152.S65

Heating, Lighting, and Radiation

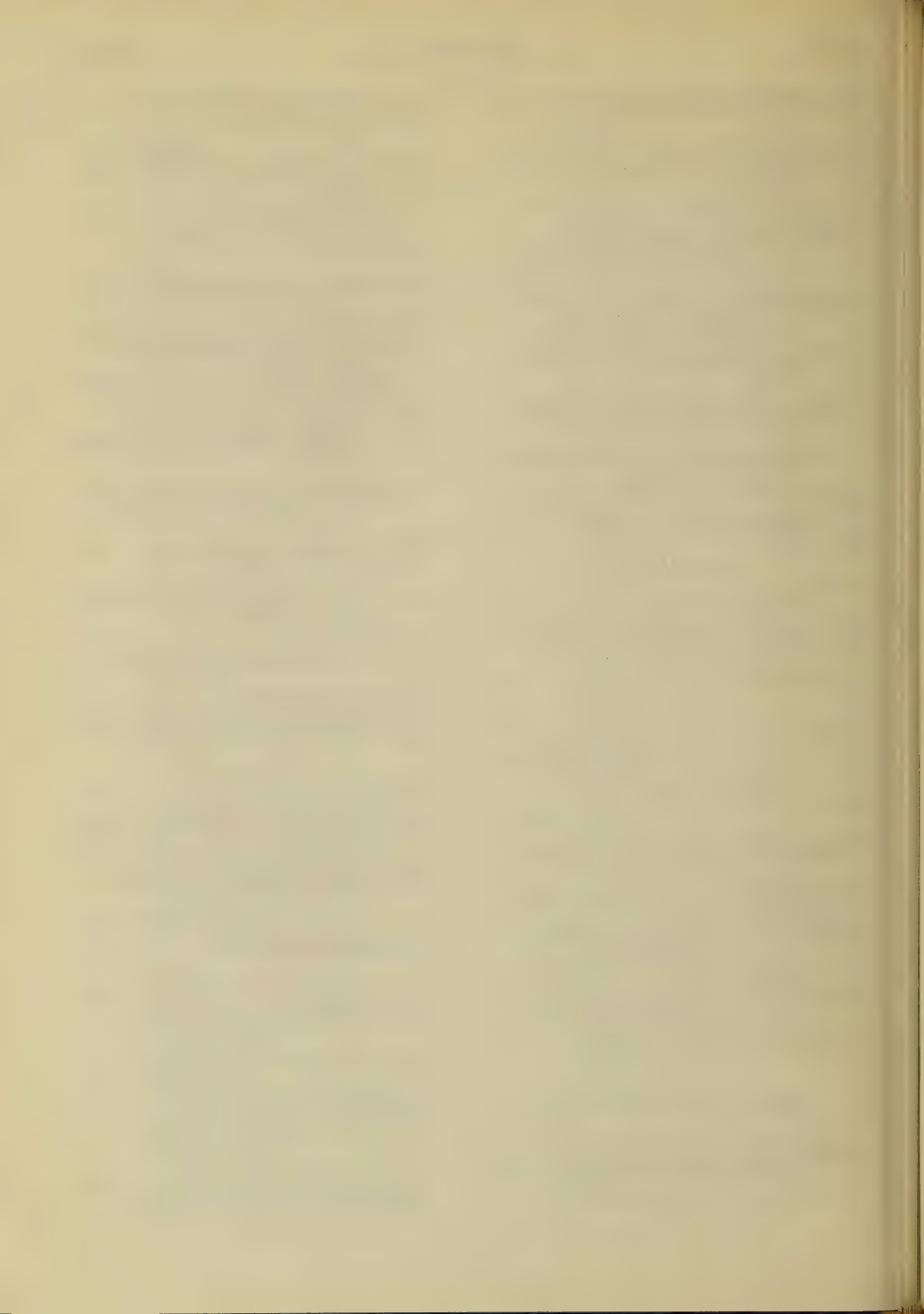
- 29994 SCHNEIDERHOHN, R. We build an oil-heating system. (Ge) Bauen Lande 17(11):282,284-287. Nov.1966. 296.8 Ar1
For houses.

Plants, Motors and Engines on the Farm

- 29995 CALDERINI, G. Water and injection pump in diesel motors. (It) Macch. Motori Agr. 24(10): 107-109. Oct.1966. 58.8 M13

Water Supply

- 29996 BARNETT, L. G. How to build a water cooling tower. Dairy Top. 11(3):10-16. May/June 1966. 44.8 D1444
- 29997 LAI, K. K., STONE, D. M., and HATTERSLEY, R. T. By-wash spillways for farm dams. New S. Wales. Univ. Water Res. Lab. Rep. 89. 25 p. June 1966. 292.9 N472
- 29998 LARSON, L. H. Put the heat on frozen pipes. Doane's Agr. Rep. 29(35):16-17. Dec.8,1966. 281.8 D652
Use of electric welders.



ENTOMOLOGY

GENERAL ENTOMOLOGY
(EXCEPT TAXONOMIC AND GEOGRAPHIC)

- 23999 BUTLER, G. D., WERNER, F. G., and LEVIN, M. D. Native bees associated with safflower in south central Arizona. *Kans. Entomol. Soc. J.* 39(3):434-436. July 1966. 420 K13
Pollinators.
- 30000 CAPO, M. R. Terminologia entomologica, 1955-1965; bibliografía [Entomology terminology, 1955-1965; bibliography]. Montevideo, 1966. 6 p. Z5856.A2C3
- 30001 COMEAU, N. M. A glance at the history of entomology and entomological collections in Quebec. *Entomol. Soc. Quebec. Ann.* 10(2):85-90. May 1965. 420 En822
- 30002 CROSSWHITE, F. S., and CROSSWHITE, C. D. Insect pollinators of Penstemon series gracilis (Scrophulariaceae) with notes on Osmia and other Megachilidae. *Amer. Midland Natur.* 76(2):450-467. Ref. Oct. 1966. 410 M58
- 30003 ELLENBY, C., and SMITH, L. Haemoglobin in Mermis subnigrescens (Cobb) Enoplius brevis (Bastian) and E. communis (Bastian). *Compar. Biochem. Physiol.* 19(4):871-876. Ref. Dec. 1966. 444.8 C73
Insect parasite.
- 30004 ELTON, C. S. The pattern of animal communities. London, Methuen, 1966. 432 p., map. QL751.E4
Bibliography, p.385-409.
An ecological survey of Oxford University's Wytham Woods, including insect and plant ecology.
- 30005 ENTOMOLOGICAL SOCIETY OF MANITOBA. Proceedings, Volume 21, 1965. Manitoba, 1965. 53 p., map. Ref. 420 En88
- 30006 FLORKIN, M. A molecular approach to phylogeny. Amsterdam, Elsevier, 1966. 176 p. Ref. QH345.F6
Includes biochemistry of insects and livestock.
- 30007 GILYAROV, M. S. Excretory organs of terrestrial arthropods, and the problem of ecto- and entosomatic organs. (Rus) *Zool. Zh.* 45(9):1323-1335. Ref. 1966. 410 R92
English summary.
- 30008 HOLLAND, G. P. The role of insect collections in entomological research. *Entomol. Soc. Quebec. Ann.* 10(2):109-119. May 1965. 420 En822
- 30009 HOYLE, G. Functioning of the inhibitory conditioning axon innervating insect muscles. *J. Exp. Biol.* 44(3):429-453. Ref. June 1966. 442.8 B77
- 30010 HOYLE, G. An isolated insect ganglion-nerve-muscle preparation. *J. Exp. Biol.* 44(3):413-427. Ref. June 1966. 442.8 B77
- 30011 JOLY, P. The correlation between the nutrition and the endocrine functions of insects. (Fr) *Ann. Biol.* 5(3/4):173-192. Ref. Mar./Apr. 1966. 442.8 An7
Includes diapause, metabolism and hormones.
- 30012 KEVAN, D. K. M. Miopyrgomorpha fischeri Heer, a fossil pyrgomorphid bush-hopper (Orthoptera: Acridoidea). *Schweiz. Entomol. Ges. Mitt.* 38(1/2):66-70. Ref. July 15, 1965. 420 Sw6
From Canada.
- 30013 KINSELLA, J. E. General metabolism of the hexapod embryo with particular reference to lipids. *Compar. Biochem. Physiol.* 19(1):291-304. Ref. Sept. 1966. 444.8 C73
- 30014 LECOMTE, J., and TIRGARI, S. On some pollinators of the fodder legumes. 11 p. Ref. Transl. 15849
Apoidea.
Translation from Annales de l'Abeille 8(2): 83-93, 1965.
- 30015 LEECH, H. B. A note on two editions of S. S. Haldeman's description of insects in the Stansbury report (Lepidoptera, Hymenoptera, Hemiptera (s. lat.), Orthoptera, Coleoptera). *Pan-Pacific Entomol.* 42(3):208-210. July 1966. 421 P193
Captain Howard Stansbury's "Exploration and Survey of the Valley of the Great Salt Lake of Utah" published in 1852.
- 30016 MACSWAIN, J. W. Crossroads of the insect world. *Nat. Geogr.* 130(6):844-857. Dec. 1966. 470 N213
Relation between insects and flowers.
- 30017 MARLER, P., and HAMILTON, W. J. Mechanisms of animal behavior. New York, Wiley, 1966. 771 p., map. Ref. QL751.M3
Includes insects and livestock.
- 30018 MASON, G. F. Animal appetites. New York, Morrow, 1966. 96 p. QL756.M3
Includes insect feeding habits.
- 30019 MCLAUGHLIN, R. B. Amateur investigations of Miocene Arthropods from the Mojave Desert California. *Microscope* 15(3):96-105. Mar./Apr. 1966. 440.8 M584
Electron microscopy.
- 30020 NOVAK, V. J. A. Insect physiology in Czechoslovakia. *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(4):247-254. July 20, 1966. 420 C33
- 30021 PROKOF'EVA, I. V. Feeding habits and economical importance of Muscicapa in the breeding period. (Rus) *Zool. Zh.* 45(8):1210-1215. Ref. 1966. 410 R92
English summary.
Insects as feed.
- 30022 SANKARAN, T., and RAO, V. P. Insects attacking witchweed (Striga) in India. *Commonwealth Inst. Biol. Contr. Tech. Bull.* 7:63-74. Ref. June 1966. 423.92 C7337
- 30023 SCHMIDT, G. H. The biochemistry of insect sterols. (Ge) *Fette, Seifen, Anstrichmittel* 39(10):311-313. Oct. 1966. 384 C422
Review of the literature.
- 30024 TANNER, J. T. Effects of population density on growth rates of animal populations. *Ecology* 47(5):733-745. Ref. Late Summer, 1966. 410 Ec7
Includes insects.
- 30025 TREHERNE, J. E. The neurochemistry of arthropods. Cambridge, University Press, 1966. 155 p. (Cambridge Monographs in Experimental Biology, No. 14) QL434.T7
Bibliography, p.123-144.
- 30026 DER WALD ist voller Wunder [The forest is wonderful]. München, Bayerischer Landwirtschaftsverlag, 1966. 139 p. QH46.W3
Photographs of insects and plants.
- 30027 WHELLAN, J. A. How to prepare and dispatch entomological specimens. Rhodesia Agr. J. 62(6):117,112,124. Nov./Dec. 1965. 24 R34
- 30028 WIGGLESWORTH, SIR V. B. The principles of insect physiology. Ed. 6. London, Methuen, 1965. 741 p. 1965. QL465.W5
Bibliographies at end of chapters.
- 30029 WOJTOWSKI, F. Use of the wildbees of the genus Anthophora Latr. and Bombus Latr. (Hymenoptera, Apoidea) for papilionaceous seed plants pollination. (Pol) Poznan, Wyższa Szkoła Roln. Roczn. 24:223-274. Ref. 1965. 106.2 P872
English summary.
- Arachnida, Myriapoda, Etc.
- 30030 BADER, C. The seasonal appearance of males of Sperchon denticulatus (Hydrachnellae). (Ge) *Acarologia* 7(4):695-703. Ref. Oct. 1965. 434.8 Ac1
Switzerland.
- 30031 BALASHOV, YU. S., and DZHAFAROV, T. E. Structure of salivary glands of the tick Hyalomma asiaticum (Acarina, Ixodidae). (Rus) *Zool. Zh.* 45(8):1134-1143. Ref. 1966. 410 R92
English summary.

- 30032 BLOCK, W. Seasonal fluctuations and distribution of mite populations in moorland soils, with a note on biomass. *J. Anim. Ecol.* 35(3):487-503. Ref. Oct.1966. 410 J826
- 30033 BLOCK, W. C. The life histories of *Platynothrus peltifer* (Koch 1839) and *Damaeus clavipes* (Hermann 1804) (Acarina: Cryptostigmata) in soils of Pennine moorland. *Acarologia* 7(4):735-743. Ref. Oct.1965. 434.8 Ac1
Great Britain.
- 30034 GOTHE, R. Investigations into sex dimorphism during nuclear interphase of the argasid tick, *Ornithodoros savignyi* (Audouin, 1827). *Onderstepoort J. Vet. Res.* 33(1):99-105. Ref. June 1966. 41.8 On1
- 30035 GOTHE, R. The sex chromatin body and its importance for the demonstration of heterochromosomal conditions in *Ornithodoros moubata* (Murray, 1877). *Onderstepoort J. Vet. Res.* 33(1):107-113. June 1966. 41.8 On1
- 30036 HELVERSEN, O. VON. Homology of tactile hairs in pseudoscorpions (Arachnida). (Ge) *Senckenb. Biol.* 47(3):185-195. June 1, 1966. 410.9 Se5
- 30037 HOWELL, C. J. Studies on karyotypes of South African Argasidae. I. *Ornithodoros savignyi*. (Audouin). *Onderstepoort J. Vet. Res.* 33(1):93-97. June 1966. 41.8 On1
Chiefly identification.
- 30038 LAGARRIGUE, J. G. Distribution and seasonal migrations of *Acaeroplastes melanurus* (Buddé-Lund) in the southern salt flat of L'Etang du Grec (Palavas, Hérault) as a function of the humidity. (Fr) *Vie Milieu, Ser. C, Biol. Terrestre* 16(1):535-542, map. 1965. QH301.V5
English summary.
Isopoda.
- 30039 LAMONTELLIERE, M. *Ixodes trianguliceps* Birula, 1895 (Ixodoidea, Ixodidae): occurrence in the Pyrenees-Orientales. (Fr) *Vie Milieu, Ser. C, Biol. Terrestre* 16(1):633-636. 1965. QH301.V5
Includes list of hosts, chiefly rodents.
- 30040 LAVERACK, M. S. Observations on a proprioceptive system in the legs of the scorpion *Hadrurus hirsutus*. *Compar. Biochem. Physiol.* 19(1):241-251. Sept. 1966. 444.8 C73
- 30041 LUCAS, S., EICHSTEDT, V. D. V., and BUCHERL, W. The nervous system of *Tityus serrulatus* (Tityinae, Buthidae, Scorpionida). (Por) *Butantan. Inst. Mem.* 32:15-26. Ref. 1965. 448.9 B97
English summary.
- 30042 MADGE, D. S. Further studies on the behaviour of *Belba geniculosa* Oudemans in relation to various environmental stimuli. *Acarologia* 7(4):744-757. Ref. Oct.1965. 434.8 Ac1
- 30043 MATHUR, S. N., and LEROUX, E. J. The musculature of the velvet mite, *Allothrombium lerouxi* Moss (Trombidiformes: Trombididae). *Entomol. Soc. Quebec, Ann.* 10(3):129-163. Ref. Sept. 1965. 420 En822
- 30044 OGITA, Z. I., and KASAI, T. A microtechnique for enzyme separation of individual spider mites with thin layer electrophoresis. *SABCO (Soc. Areas Biol. Chem. Overlap) J.* 1(3/4):1-4. 1965. 442.8 So13
Tetranychus telarius and *Paratetranychus citri*.
- 30045 PALMGREN, P. Spinnenfunde aus der fjeldgruppe Pallastunturi sowie aus Muonio und Enontekiö [Spider collections from the Pallastunturi mountain group as well as Muonio and Enontekiö]. *Soc. Sci. Fenn. Comment. Biol.* 27(7), 9 p. 1964, pub. 1965. 511 H36C
- 30046 PEAKALL, D. B. Regulation of protein production in the silk glands of spiders. *Compar. Biochem. Physiol.* 19(1):253-258. Ref. Sept. 1966. 444.8 C73
Araneus sericatus.
- 30047 RAJAGOPALAN, P. K., and BOSHELL M., J. Hosts and life cycle of *Ixodes ceylonensis* Kohls, 1950, with descriptions of its male, nymph, and larva. *J. Parasitol.* 52(6):1203-1209. Dec. 1966. 448.8 J824
- 30048 SELLNICK, M. Epistome and tectum in the Mesostigmata (Acarina). (Ge) *Acarologia* 7(4):594-597. Ref. Oct. 1965. 434.8 Ac1
- 30049 SIMON, H. R. The molting chamber of *Schizophyllum sabulosum* (L.) (Diplopoda, Julidae). (Ge) *Entomol. Z.* 75(15):172-174. Aug. 1, 1965. 421 En85
- 30050 TUURALA, O., LEHTINEN, A., and NYHOLM, M. Zu den photomechanischen Erscheinungen im Auge einer Asselart, *Oniscus asellus* L. [Photomechanical manifestations in the eye of an isopod species, *Oniscus asellus* L.; electron microscope investigations]. *Helsingfors. Suomalainen Tiedakatemia Toimituksia. Ser. A, IV, Biol.* 99.8 p. Ref. 1966. 442.9 H36

Coleoptera

- 30051 AHMAD, R., and GHANI, M. A. Biology of *Chilocorus infernalis* Muls. (Col. Coccinellidae). *Commonwealth Inst. Biol. Contr. Tech. Bull.* 7:101-106. June 1966. 423.92 C733T
- 30052 APPLEBAUM, S. W. Digestion of potato starch by larvae of the flour beetle, *Tribolium castaneum*. *J. Nutr.* 90(3):235-239. Ref. Nov. 1966. 389.8 J82
- 30053 BAKER, J. M., and BLECHLY, J. D. Prepared media for rearing the common furniture beetle *Anobium punctatum* (Deg.) (Col. Anobiidae). *Inst. Wood Sci. J.* 17:53-57. Ref. Nov. 1966. 99.82 In7
- 30054 BOWERS, W. S., and BLICKENSTAFF, C. C. Hormonal termination of diapause in the alfalfa weevil. *Science* 154(3757):1673-1674. Dec. 30, 1966. 470 Sc12
Hypera postica.
- 30055 BUTLER, J. E., and LEONE, C. A. Antigenic changes during the life cycle of the beetle, *Tenebrio molitor*. *Compar. Biochem. Physiol.* 19(4):699-711. Ref. Dec. 1966. 444.8 C73
- 30056 CARNE, P. B. Ecological characteristics of the eucalypt-defoliating chrysomelid *Paropsis atomaria* Ol. *Australian J. Zool.* 14(4):647-672. Ref. Oct. 1966. 410 Au73
- 30057 CHAUDHARY, K. D., and LEMONDE, A. In vivo synthesis and breakdown of deoxyribonucleic acid in *Tribolium confusum* Duval. *Can. J. Biochem.* 44(12):1571-1575. Ref. Dec. 1966. 470 C16E
- 30058 DAVIS, G. R. F. Putrescine and spermidine as growth-promoting substances for the saw-toothed grain beetle, *Oryzaephilus surinamensis* (L.) (Coleoptera, Silvanidae). *Compar. Biochem. Physiol.* 19(3):619-627. Ref. Nov. 1966. 444.8 C73
- 30059 DAWSON, P. S. Correlated responses to selection for developmental rate in *Tribolium*. *Genetica* 37(1):63-77. Ref. 1966. 442.8 G282
Tribolium castaneum and *T. confusum*.
- 30060 DEVI, A. Polyphenolase activity in *Tribolium confusum* Duval. *Curr. Sci.* 35(18):463-464. Ref. Sept. 20, 1966. 475 Sc123
- 30061 DOMINIK, J. Observations of the biology of imagines of *Lyxexylon navale* L. (Coleoptera, Lyxexylionidae). (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Lesnictwo* 7:95-98. 1965. 99.9 W262
English summary.
- 30062 DONAHAYE, E., NAVARRO, S., and CALDERON, M. Observations on the life cycle of *Caryedon gonagra* (F.) on its natural hosts in Israel. *Acacia spirocarpa* and *A. tortilis*. *Trop. Sci.* 8(2):85-89. 1966. 26 T756
- 30063 GHANI, M. A., and AHMAD, R. Biology of *Pharoscyms flexibilis* Muls. (Col. Coccinellidae). *Commonwealth Inst. Biol. Contr. Tech. Bull.* 7:107-111. June 1966. 423.92 C733T
- 30064 GIRARD, C. Observations on *Heteracantha depressa* Brulle (Col., Harpalidae). (Fr) *Entomologiste [Paris]* 21(1/2):21-22. Apr. 1965. 421 En814
Populations.
- 30065 GONZALES NICOLAS, M. A. On the morphological distinction of the pre-pupa of *Tenebrio molitor* L. (Sp) *Real Soc. Espan. Hist. Natur. Bol. Secc. Biol.* 63(4):359-361. 1965. 442.9 So18

- 30066 HILTERHAUS, V. Biological-ecological investigations on leaf beetles of the genera *Lema* and *Gastrolidea* (Chrysomelidae, Coleoptera). 32 p. Ref. Transl. 16094
Translation from *Zeitschrift für Angewandte Zoologie* 52(3):257-295. 1965.
- 30067 IWATA, K. Supplement on the biology of two large lady-birds in Japan. *Niponius* 2(11):57-68. Apr. 8, 1965. 421 N62
Aiolocaria mirabilis and *Callicaria superba*.
- 30068 JANTZ, O. K., and RUDINSKY, J. A. Studies of the olfactory behavior of the Douglas-fir beetle, *Dendroctonus pseudotsugae* Hopkins. Oreg. Agr. Exp. Sta. Tech. Bull. 94. 38 p. Ref. p. 36-38. July 1966. 100 OrSS
Sex behavior and attractants.
- 30069 JARVIS, J. L. Studies of Phyllophaga anxia (Coleoptera: Scarabaeidae) in the sandhills area of Nebraska. *Kans. Entomol. Soc. J.* 39(3):401-409. Ref. July 1966. 420 K13
Life history.
- 30070 KUTYNA, F. A., and TOMBES, A. S. Bioelectric activity of the central nervous system in normal and diapausing alfalfa weevils. *Nature* 212(5065):956-957. Nov. 26, 1966. 472 N21
Hypera postica.
- 30071 LAMBREMONT, E. N., and BENNETT, A. F. Lipid biosynthesis in the boll weevil formation of the acetate precursor for lipid synthesis from glucose and related carbohydrates. *Can. J. Biochem.* 44(12):1597-1606. Ref. Dec. 1966. 470 C16E
Anthonomus grandis.
- 30072 LE BERRE, J. R. Some considerations of ecological and physiological order on the diapause of *Leptinotarsa decemlineata* Say. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2131-2135. Ref. 1965. 442.9 P21
- 30073 LEMONDE, A., and VILLENEUVE, J. L. The glucides in *Tribolium confusum* Duval (Tenebrionidae, Coleoptera). II. Variations during metamorphosis. (Fr) *Rev. Can. Biol.* 25(1):11-19. Ref. Mar. 1966. 442.8 R325
English summary.
- 30074 LEMONDE, A., and CHAUDHARY, K. D. Iron during the growth and metamorphosis of *Tribolium confusum* Duval. *Rev. Can. Biol.* 25(1):21-24. Mar. 1966. 442.8 R325
- 30075 LIPA, J. J. *Tribolium destructor* Uytt as a new host for *Didymophyes minuta* (Ishii) Watson (Gregarinidae: Didymophyidae). (Rus) *Zool. Zh.* 45(8):1130-1133. Ref. 1966. 410 R92
English summary.
- 30076 LIPKOW, E. Biological and ecological study of *Tachyporus* species and *Tachinus rufipes* (Coleoptera, Staphylinidae). (Ge) *Pedobiologia* 6(2):1405-1477. Ref. 1966. 56.8 P343
- 30077 MATEU, J. Coleopteros carabidos de las Islas de Cabo Verde [Coleoptera Carabidae from the Cape Verde Islands]. *Soc. Sci. Fenn. Comment. Biol.* 27(4), 47 p. Ref. 1964, pub. 1965. 511 H36C
Includes *n. sp.* in *Cymindis*.
- 30078 MCCLAURIN, B. F., and DOWNE, A. E. R. Serological comparison of three species of grain infesting weevils (Curculionidae: Sitophilus). *Kans. Entomol. Soc. J.* 39(3):500-505. Ref. July 1966. 420 K13
Sitophilus oryzae, *S. zeamais*, and *S. granarius*.
- 30079 MELAMED-MADJAR, V. Observations on four species of Sitona (Coleoptera, Curculionidae) occurring in Israel. *Bull. Entomol. Res.* 56(3):505-514. Ref. June 1966. 421 B87
Bionomics of legume pests.
- 30080 MITLIN, N., MAULDIN, J. K., and HEDIN, P. A. Free and protein-bound amino acids in the tissues of the boll weevil, *Anthonomus grandis* Boheman (Coleoptera: Curculionidae), during metamorphosis. *Compar. Biochem. Physiol.* 19(1):35-43. Ref. Sept. 1966. 444.8 C73
- 30081 NAIERN, I. D., and WONG, H. R. Field key to adult June beetles (Phyllophaga spp.) attacking coniferous plantations in Manitoba. *Entomol. Soc. Manitoba. Proc.* 21:33-35. 1965. 420 En88
- 30082 NIELSEN, B. O. Studies on the fauna of beech foliage. 1. Contributions to the biology of the early stages of the beech weevil (Rhynchaenus (Orchestes) fagi L.), (Coleoptera, Curculionidae). *Natur. Jutlandica* 12:162-181. Ref. 1966. 410 N2193
- 30083 PEASE, R. F. W., and others. Electron microscopy of living insects. *Science* 154(3753):1185-1186. Dec. 2, 1966. 470 Sci2
T. L. Hayes, A. S. Camp, and N. M. Amer, joint authors.
Development study of *Tribolium confusum*.
- 30084 PENNEY, M. M. Studies on certain aspects of the ecology of *Nebria brevicollis* F. (Coleoptera, Carabidae). *J. Anim. Ecol.* 35(3):505-512. Ref. Oct. 1966. 410 J826
- 30085 PUISSEGUR, C. A new hemimelanistic *Chrysocarabus auronitens festivus* Dej. from the Montagne Noire (Coleop., Carab.). (Fr) *Entomologiste [Paris]* 21(1/2):22-24. Apr. 1965. 421 En814
- 30086 SCHERF, H. Observations on the eggs and egg-masses of *Galeruca tanacetii* L. (Coleoptera, Chrysomelidae). (Ge) *Biol. Zentralbl.* 85(1):7-17. Ref. Jan./Feb. 1966. 442.8 B523
- 30087 SCHJOTZ-CHRISTENSEN, B. Biology of some ground beetles (Harporina Latr.) of the *Corynephoretum*. *Natur. Jutlandica* 12:225-229. Ref. 1966. 410 N2193
- 30088 SCHJOTZ-CHRISTENSEN, B. Some notes on the biology of *Bradycellus collaris* Payk. and *B. similis* Dej. (Col., Carabidae). *Natur. Jutlandica* 12:230-234. 1966. 410 N2193
- 30089 STANLEY, M. S. M., and GRUNDMANN, A. W. Heat sensitivity of developing embryos of *Tribolium confusum*. *Nature [London]* 212(5063):737-738. Nov. 12, 1966. 472 N21
- 30090 STEVENS, R. E. Observations on the Yosemite bark weevil [Pissodes yosemitae] in California (Coleoptera: Curculionidae). *Pan-Pacific Entomol.* 42(3):184-189. July 1966. 421 P193
Life history of pine pest.
- 30091 SZUJECKI, A. Introductory investigations on the life period of Staphylinidae (Coleoptera) in conditions of moisture deficiency in the air. (Pol) *Warsaw. Szkola Główna Gosp. Wiejsk. Lesnictwo* 7:87-93. 1965. 99.9 W262
English summary.
- 30092 SZUJECKI, A. Preference of soil moisture of some Staphylinidae species (Coleoptera) living in forest litter and on lake borders. (Pol) *Warsaw. Szkola Główna Gosp. Wiejsk. Lesnictwo* 7:79-85. 1965. 99.9 W262
English summary.
- 30093 TYSON, W. H. Notes on reared *Cerambycidae* (Coleoptera). *Pan-Pacific Entomol.* 42(3):201-207. July 1966. 421 P193
- 30094 VIRKKI, N. Observations on the spermatogenesis of some scarabaeid beetles. *P. R. Univ. J. Agr.* 50(4):338-341. Oct. 1966. 8 P832J

Diptera

- 30095 AGRELL, I. P. S., and LINDH, N. O. Changes in basic proteins during the metamorphosis of the fly *Calliphora erythrocephala*. *Compar. Biochem. Physiol.* 19(4):691-698. Dec. 1966. 444.8 C73
- 30096 ALEXANDER, C. P. Undescribed species of Nearctic Tipulidae (Diptera). VII. Great Basin *Natur.* 26(1/2):1-8. Sept. 15, 1966. 410 G79
Includes *n. spp.* in *Tipula*, *Dicranota*, *Limnophila*, *Rhabdomastix*, and *Cheliotrichia*.
- 30097 BIRT, L. M. The distribution of nicotinamide nucleotides during the life cycle of the blowfly *Lucilia cuprina* Wied. *Biochem. J.* 101(2):429-434. Ref. Nov. 1966. 382 B52
- 30098 BOYES, J. W., and VAN BRINK, J. M. Chromosomes of Syrphidae. II. Karyotypes of five species in the tribe Sericomyiini. *Chromosoma* 19(4):399-404. 1966. 442.8 C46

- 30099 BURSELL, E. Aspects of the flight metabolism of tsetse flies (Glossina). Compar. Biochem. Physiol. 19(4):809-818. Ref. Dec.1966. 444.8 C73
- 30100 CHIANG, P. K. *Platyptera polypteri* as prey of *Platypterus* (Diptera: Platypteriidae and Empididae). Wasmann J. Biol. 24(1):83-84. Spring 1966. 442.8 W28
- 30101 CLEVER, U. Induction and repression of a puff in *Chironomus tentans*. Develop. Biol. 14(3):421-438. Ref. Dec.1966. 442.8 D49
Genetic study.
- 30102 FINLAYSON, L. H. Sensory innervation of the spiracular muscle in the tsetse fly (*Glossina morsitans*) and the larva of the wax moth (*Galleria mellonella*). J. Insect Physiol. 12 (1):1451-1454. Ref. Nov.1966. 421 J825
- 30103 GARNETT, W. B., and FOOTE, B. A. Notes on the biology of certain helemomyzid flies of Eastern North America (Diptera: Helemomyzidae). Kans. Entomol. Soc. J. 39(3):552-555. Ref. July 1966. 420 K13
- 30104 GREATHEAD, D. J. Notes on *Blaesoxipha* spp. (Dipt. Calliphoridae) parasitising Acridoidea in eastern Africa. Commonwealth Inst. Biol. Contr. Tech. Bull. 7:91-99. June 1966. 423.92 C73T
Includes *B. filipjevi*, *B. lineata*, and *B. anceps* parasites of *Schistocerca gregaria*.
- 30105 HARDING, J. A., and HOGG, P. W. Overwintering of the sorghum midge (*Contarinia sorghicola*) on the South Plains of Texas. Tex. Agr. Exp. Sta. Progr. Rep. PR-2432, 6 p. Oct.17, 1966. 100 T31P
- 30106 HAWKINS, R. I. Factors affecting blood clotting from salivary glands and crop of *Glossina austeni*. Nature [London] 212(5063):738-739. Ref. Nov.12, 1966. 472 N21
- 30107 HEMMINGSEN, A. M. The lotic crane-fly, *Tipula saginata* Bergroth, and the adaptive radiation of the Tipulinae, with a test of Dyar's law. Dansk Naturhist. For. Videnskabelige Meddelelser 128:93-150. Ref. 1965. 502 D232
- 30108 HEMMINGSEN, A. M., and NIELSEN, J. Population differences in wing length as a function of total body length in the boreo-alpine subspecies *Tipula* (*Vestiplex*) *excisa excisa* Schummel. Dansk Naturhist. For. Videnskabelige Meddelelser 128:151-168. Ref. 1965. 502 D232
- 30109 HENNIG, W. Chromosome research and gene physiology. (Ge) Umschau 66(13):435-437. July 1, 1966. 474 Um7
In *Chironomus tentans*.
- 30110 IDE, P. Contribution to the knowledge of the immature forms of one of the species of the genus "Chrysoclorina" James, 1939 (Diptera, Stratiomyidae). (Por) Rev. Brasil. Biol. 25 (4):429-438. Dec.1965. 442.8 R326
English summary.
- 30111 ITARD, J. Chromosomes of *Glossina* (Diptera, Muscidae). (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(19):1395-1397. Nov.7, 1966. 505 P21
Of *Glossina tachinoides* and *G. morsitans morsitans*.
- 30112 ITARD, J. Oogenesis cycle in *Glossina tachinoides* West. female and determination of the physiological age. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.) 19(3):331-350. 1966. 41.8 R3262
- 30113 KAPLANIS, J. N., and others. Assay for ecdysone (molting hormone) activity using the house fly, *Musca domestica* L. Steroids 8(5):625-631. Ref. Nov.1966. 381 S4
L. A. Tabor, M. J. Thompson, W. E. Robbins, and T. J. Shortino, joint authors.
- 30114 KARUNAKARAN, L. Parasitism of *Chironomus costatus* Joh. (Diptera, Nematocera) by a mermitid. Nematologica 12(1):172-174. 1966. 436.8 N342
- 30115 LANGER, H., and THORELL, B. Microspectrophotometry of single rhabdomeres in the insect eye. Exp. Cell Res. 41(3):673-677. Ref. Mar.1966. 442.8 Ex7
Diptera.
- 30116 MAINX, F. Sex differentiation in *Megaselia scalaris* Loew (Phoridae). (Ge) Z. Vererbungslehre 98(1):49-60. Ref. 1966. 442.8 Z34
English summary.
Genetic study.
- 30117 MARTINEZ-BERINGOLA, M. L. Influence of larval population density in the development of *Ceratitis capitata* Wied. (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(4):381-390. Ref. 1965. 442.9 S018
English summary.
- 30118 MCALPINE, D. K. Description and biology of an Australian species of Cypselosomatidae (Diptera), with a discussion of family relationships. Australian J. Zool. 14(4):673-685. Ref. Oct.1966. 410 Au73
Includes n. spp. in Cypselosoma.
- 30119 MCCLANAHAN, R. J. A synthetic diet for the onion maggot, *Hyalemya antiqua* (Meigen) (Diptera: Anthomyiidae). Can. J. Zool. 44(6):1089-1090. Nov.1966. 470 C16D
- 30120 MOURIER, H. The behaviour of house flies (*Musca domestica* L.) towards "new objects." Dansk Naturhist. For. Videnskabelige Meddelelser 128:221-231. Ref. 1965. 502 D232
- 30121 NIELSEN, B. O. Carbohydrases of some wrack invertebrates. Natur. Jutlandica 12:191-194. 1966. 410 N2193
Includes maggots of *Oedoparea buccata* and *Coelopa frigida*.
- 30122 NORRIS, K. R. Daily patterns of flight activity of blowflies (Calliphoridae, Diptera) in the Canberra District as indicated by trap catches. Australian J. Zool. 14(5):835-853. Ref. Nov. 1966. 410 Au73
- 30123 PIHAN, J. C. Study of tracheal glands and their secretory cycle in *Tipula flavolineata* Meig. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(9):729-732. Aug.29, 1966. 505 P21
- 30124 SHAMSUDDIN, M. A *Bathymyrmex* species (Mermithidae: Nematoda) parasitic on larval tabanids. Quaestiones Entomol. 2(3):253-256. July 1966. 421 Q2
Chrysops furcata.
- 30125 TRUJILLO-CENOZ, O., and MELAMED, J. Compound eye of dipterans: anatomical basis for integration—an electron microscope study. J. Ultrastruct. Res. 16(3/4):395-398. Ref. Oct.1966. 440.8 J822
Lucilia.
- 30126 WULKER, W. Mechanism of penetration by parasitic Mermithidae (Nematoda) in *Chironomus* larvae (Diptera, Chironomidae). (Ge) Z. Parasitenk. 26(1):29-49. Ref. 1965. 442.8 Z33F
English summary.
Chironomus anthracinus.
- 30127 YALE, T. H., and BALLARD, R. C. The determination of ribose nucleic acid in the heart and associated tissues of house flies of various ages. Compar. Biochem. Physiol. 19(1):29-34. Ref. Sept.1966. 444.8 C73

Culicidae

- 30128 ANDERSON, B. M., and LANG, C. A. Nicotinamide-adenine dinucleotide pyrophosphatase in the growing and aging mosquito. Biochem. J. 101(2):392-396. Ref. Nov.1966. 382 B52
Aedes aegypti.
- 30129 BARR, A. R., and MYERS, C. M. Inheritance of a lethal affecting larval antennae in *Culex pipiens* L. (Diptera, Culicidae). J. Parasitol. 52(6):1183-1186. Dec.1966. 448.8 J824
- 30130 HICKEY, W. A., and CRAIG, G. B. Distortion of sex ratio in populations of *Aedes aegypti*. Can. J. Genet. Cytol. 8(2):260-278. Ref. June 1966. 443.8 C16
- 30131 KITZMILLER, J. B., BAKER, R. H., and CHOWDAIAH, B. N. The salivary gland chromosomes of *Anopheles neomaculipalpus*. Caryologia 19(1):1-12. Jan./Mar.1966. 442.8 C25

- 30132 MCCLELLAND, G. A. H. Sex-linkage at two loci affecting eye pigment in the mosquito *Aedes aegypti* (Diptera; Culicidae). *Can. J. Genet. Cytol.* 8(2):192-198. Ref. June 1966. 443.8 C16
- 30133 VAN HANDEL, E. The thermal dependence of the rates of glycogen and triglyceride synthesis in the mosquito [*Aedes sollicitans*]. *J. Exp. Biol.* 44(3):523-528. Ref. June 1966. 442.8 B77
- Drosophila
- 30134 ALLEN, A. C. The effects of recombination on quasireciprocal second and third chromosomes of *Drosophila melanogaster* from a natural population. *Genetics* 54(6):1409-1422. Ref. Dec. 1966. 442.8 G28
- 30135 BARIGOZZI, C., and others. In vitro study of the DNA replication patterns of somatic chromosomes of *Drosophila melanogaster*. *Exp. Cell Res.* 43(1):231-234. Aug. 1966. 442.8 Ex7
- S. Dolfini, M. Fraccaro, G. R. Raimondi, and L. Tiepolo, joint authors.
- 30136 BARR, H. J., and PLAUT, W. Comparative morphology of nucleolar DNA in *Drosophila*. *J. Cell Biol.* 31(3):C17-C22. Ref. Dec. 1966. 442.8 J328
- 30137 BENTVELZEN, P., and GLOOR, H. Evidence for overdominance in *Drosophila melanogaster*. *Genetica* 37(1):52-62. Ref. 1966. 442.8 G282
- 30138 BOWMAN, J. T., and GREEN, M. M. X-ray-induced reversion of the white-ivory mutant of *Drosophila melanogaster*. *Genetica* 37(1):7-16. Ref. 1966. 442.8 G282
- 30139 BREUGEL, F. M. A. VAN. Puff induction in larval salivary gland chromosomes of *Drosophila hydei* Sturtevant. *Genetica* 37(17):17-28. Ref. 1966. 442.8 G282
- 30140 BRINK, N. G. A critique concerning the detection of replicating instabilities in *Drosophila*. *Mutation Res.* 3(4):362-364. Aug. 1966. 443.8 M98
- 30141 BRINK, N. G. The mutagenic activity of heliotrine in *Drosophila*. I. Complete and mosaic sex-linked lethals. *Mutation Res.* 3(1):66-72. Ref. Feb. 1966. 443.8 M98
- 30142 CAMPOS-ROSADO, J. M. Disturbances of equilibrium in separating sex-linked loci and the ratio between the number of males and females. I-II. (Por) *Port. Acta Biol. Ser. A*, 9(1/2):113-130. Ref. 1965. 442.8 P83
- English summary.
- Drosophila melanogaster*.
- 30143 CAMPOS-ROSADO, J. M., and TAVARES-DA-SILVA, M. H. Selection for high frequencies of females in *Drosophila melanogaster*. (Por) *Port. Acta Biol. Ser. A*, 9(1/2):153-158. 1965. 442.8 P83
- English summary.
- 30144 CHAUHAN, N. S., and ROBERTSON, F. W. Quantitative inheritance of red eye pigment in *Drosophila melanogaster*. *Genet. Res.* 8(2):143-164. Ref. Oct. 1966. 443.8 G283
- 30145 DAUCH, F., and others. RBE [relative biological effect] of fast neutrons in the induction of mutations in *Drosophila melanogaster*. (Ge) *Mutation Res.* 3(3):185-193. Ref. June 1966. 443.8 M98
- U. Apitzsch, A. Catsch, and K. G. Zimmer, joint authors.
- English summary.
- 30146 DYER, K. F. Fitness and competitive ability in irradiated populations of *Drosophila melanogaster*. *Mutation Res.* 3(4):327-339. Ref. Aug. 1966. 443.8 M98
- 30147 ELLGAARD, E. G., and KESSEL, R. G. Effects of high salt concentration on salivary gland cells of *Drosophila virilis*. *Exp. Cell Res.* 42(2):302-307. May 1966. 442.8 Ex7
- 30148 EMMERICH, H., and SCHMIALEK, P. Distribution of the carcinogenic hydrocarbons in the salivary glands of *Drosophila hydei*. (Ge) *Exp. Cell Res.* 43(1):228-231. Ref. Aug. 1966. 442.8 Ex7
- English summary.
- 30149 FAHMY, O. G., and others. Differential mutagenicity of the amine and amide derivatives of nitroso compounds in *Drosophila melanogaster*. *Mutation Res.* 3(3):201-217. Ref. June 1966. 443.8 M98
- M. J. Fahmy, J. Massasso, and M. Ondrej, joint authors.
- 30150 HILLE, B., and MILKMAN, R. A quantitative description of some temperature effects on *Drosophila melanogaster*. *Biol. Bull.* 131(2):346-361. Ref. Oct. 1966. 442.8 B52
- 30151 HUNTER, A. S. Effects of temperature on *Drosophila*. III. Respiration of *Drosophila willistoni* and *D. hydei* grown at different temperatures. *Compar. Biochem. Physiol.* 19(1):171-177. Sept. 1966. 444.8 C73
- 30152 INAGAKI, E., and NAKAO, Y. Comparison of frequency patterns between whole-body and fractional mutations induced by X-rays in *Drosophila melanogaster*. *Mutation Res.* 3(3):268-272. Ref. June 1966. 443.8 M98
- 30153 JOHNSON, F. M. Developmental differences of alkaline phosphatase zymograms from *Drosophila melanogaster* and *D. ananassae*. *Nature* 212(5064):843-844. Nov. 19, 1966. 472 N21
- 30154 KAUL, D., and PARSONS, P. A. Competition between males in the determination of mating speed in *Drosophila pseudoobscura*. *Australian J. Biol. Sci.* 19(5):945-947. Oct. 1966. 442.8 Au72
- 30155 KESSLER, S. Selection for and against ethological isolation between *Drosophila pseudoobscura* and *Drosophila persimilis*. *Evolution* 20(4):634-645. Ref. Dec. 1966. 443.8 Ev62
- 30156 KIDWELL, J. F., and KIDWELL, M. M. The effects of inbreeding on body weight and abdominal chaeta number in *Drosophila melanogaster*. *Can. J. Genet. Cytol.* 8(2):207-215. Ref. June 1966. 443.8 C16
- 30157 KIEFER, B. I. Ultrastructural abnormalities in developing sperm of X/O *Drosophila melanogaster*. *Genetics* 54(6):1441-1452. Ref. Dec. 1966. 442.8 G28
- 30158 KVELLAND, I. Mating and fertility pattern of *Drosophila melanogaster* males exposed to different temperatures. *Hereditas* 54(1):88-100. 1965. 442.8 H42
- 30159 LATTER, B. D. H. Selection for a threshold character in *Drosophila*. II. Homeostatic behaviour on relaxation of selection. *Genet. Res.* 8(2):205-218. Oct. 1966. 443.8 G283
- 30160 LEVINS, R. The strategy of model building in population biology. *Amer. Sci.* 54(4):421-431. Dec. 1966. 470 Si2
- Includes study of *Drosophila*.
- 30161 MAYHEW, S. H., and others. Comparative studies of arrangements within and between populations of *Drosophila pseudoobscura*. *Evolution* 20(4):646-662. Ref. Dec. 1966. 443.8 Ev62
- S. K. Kato, F. M. Ball, and C. Epling, joint authors.
- Chromosomal study.
- 30162 MILKMAN, R., and HILLE, B. Analysis of some temperature effects on *Drosophila melanogaster* pupae. *Biol. Bull.* 131(2):331-345. Oct. 1966. 442.8 B52
- 30163 MITTLER, S. AET and radiation-induced crossing-over in male *Drosophila melanogaster*. *Biol. Bull.* 130(2):228-234. Ref. Apr. 1966. 442.8 B52
- 30164 MOREE, R. The effects of ascorbic acid and sodium propionate on the relative viability of a mutant of *Drosophila melanogaster*. *Genetica* 37(1):97-106. Ref. 1966. 442.8 G282
- 30165 MULLER, H. J., and KAPLAN, W. D. The dosage compensation of *Drosophila* and mammals as showing the accuracy of the normal type. *Genet. Res.* 8(1):41-59. Ref. Aug. 1966. 443.8 G283
- 30166 NEI, M., and MURATA, M. Effective population size when fertility is inherited. *Genet. Res.* 8(2):257-260. Oct. 1966. 443.8 G283
- Drosophila*.

- 30167 ROBERTSON, F. W. The ecological genetics of growth in *Drosophila* [melanogaster]. 8. Adaptation to a new diet. Genet. Res. 8(2):165-179. Oct. 1966. 443.8 G283
EDTA study.
- 30165 ROBERTSON, F. W. A test of sexual isolation in *Drosophila* [melanogaster]. Genet. Res. 8(2):181-187. Oct. 1966. 443.8 G283
Effects of EDTA on mating.
- 30169 SAMEOTO, D. D., and MILLER, S. Factors controlling the productivity of *Drosophila* melanogaster and *D. simulans*. Ecology 47(5):695-704. Ref. Late Summer, 1966. 410 Ec7
- 30170 SCHARLOO, W. Genetics and ecology. (Du) Vakbl. Biol. 46(1):1-10. Ref. Jan. 1966. 442.8 V22
Includes *Drosophila*.
- 30171 SCHNEIDER-MINDER, A. Cytological study of the embryonal development of *Drosophila* melanogaster after being treated with X-rays in immature stages. (Ge) Int. J. Radiat. Biol. 11(1):1-20. Ref. 1966. 44.8 In8
English summary.
- 30172 SOLAR, E. DEL. Sexual isolation caused by selection for positive and negative phototaxis and geotaxis in *Drosophila* pseudobscura. Nat. Acad. Sci. Proc. 56(2):484-487. Ref. Aug. 15, 1966. 500 N21P
- 30173 SOUTHN, J. L. An analysis of eight classes of somatic and gonadal mutation at the dumpy locus in *Drosophila* melanogaster. Mutation Res. 3(1):54-65. Ref. Feb. 1966. 443.8 M98
- 30174 SPERLICH, D., and FEUERBACH, H. Is the chromosomal structural polymorphism of *Drosophila* subobscura stable or flexible? (Ge) Z. Vererbungslehre 98(1):16-24. Ref. 1966. 442.8 Z34
English summary.
- 30175 SPERLICH, D. Variable mating activity within and between different geographic strains of *Drosophila* subobscura. (Ge) Z. Vererbungslehre 98(1):10-15. Ref. 1966. 442.8 Z34
English summary.
- 30176 STRICKBERGER, M. W., and WILLS, C. J. Monthly frequency changes of *Drosophila* pseudobscura third chromosome gene arrangements in a California locality. Evolution 20(4):592-602. Ref. Dec. 1966. 443.8 Ev62
- 30177 SUZUKI, D. T., BAILLIE, D., and PARRY, D. The origin of multiple crossover chromatids in short genetic intervals in *Drosophila* melanogaster. Genetics 54(6):1359-1370. Ref. Dec. 1966. 442.8 G28
- 30178 SVETLOV, P. G., and KORSKOVA, G. F. Prolonged modifications induced in experiments involving thermal effects on larvae of forked mutants of *Drosophila* melanogaster. (Rus) Akad. Nauk SSSR. Dokl. 170(2):439-442. 1966. 511 P444A
- 30179 VOGEL, S. Flight in *Drosophila* [virilis]. I. Flight performance of tethered flies. J. Exp. Biol. 44(3):567-578. Ref. June 1966. 442.8 B77
- 30180 WALLACE, B. The fate of sepi in small populations of *Drosophila* melanogaster. Genetica 37(1):29-36. Ref. 1966. 442.8 G282
- 30181 WALLACE, B. Natural and radiation-induced chromosomal polymorphism in *Drosophila*. Mutation Res. 3(3):194-200. Ref. June 1966. 443.8 M98
- 30182 WATANABE, T. K., and OSHIMA, C. Distribution of natural lethal genes on the second chromosome of *Drosophila* melanogaster. Jap. J. Genet. 41(5):367-378. Ref. Oct. 1966. 442.9 J27
- 30183 WILLIAMSON, J. H. Interchromosomal effects of autosomal translocations on recombination in *Drosophila* melanogaster. Genetics 54(6):1431-1440. Ref. Dec. 1966. 442.8 G28
- 30184 WOLF, E., and BENDA, I. Quality and resistance. III. The food discriminating ability of the *Drosophila* melanogaster between natural species and races of the wine yeasts. 7 p. Transl. 16092
Translation from Biologisches Zentralblatt 84(1):1-8. Jan./Feb. 1965.
- 30185 ZIMMERING, S., JOHNSEN, R. C., and FOWLER, G. Poisson analysis on the distribution of X-ray induced crossovers in spermatocytes of *Drosophila*. Can. J. Genet. Cytol. 8(2):216-219. Ref. June 1966. 443.8 C16

Hemiptera (Heteroptera and Homoptera)

- 30186 BERRIDGE, M. J. The physiology of excretion in the cotton stainer, *Pyrausta nigrilinea*, Signoret. IV. Hormonal control of excretion. J. Exp. Biol. 44(3):553-566. Ref. June 1966. 442.8 B77
- 30187 BOWERS, B., and JOHNSON, B. An electron microscope study of the corpora cardiaca and secretory neurons in the aphid, *Myzus persicae* (Sulz.). Gen. Compar. Endocrinol. 6(2):213-230. Ref. Apr. 1966. 444.8 G28
- 30188 BRETTSCHEIDEROVA, Z. Changes in haemolymph protein concentration in the course of penultimate and the last larvae instar of *Pyrausta nigrilinea* L. Czech. Acad. Sci. Acta Entomol. Bohemoslov. 63(4):255-257. July 20, 1966. 420 C33
- 30189 CARTIER, J. J., and MORIN, S. G. Rearing the potato aphid *Macrosiphum euphorbiae* (Thos.) (Homoptera, Aphididae) on a synthetic diet. (Fr) Entomol. Soc. Quebec. Ann. 10(2):69-79. May 1965. 420 En822
English summary.
- 30190 CHAPLAIN, R. A. Control of insect myosin adenosinetriphosphatase by the binding of the substrate to an allosteric site. Biochem. Biophys. Res. Commun. 25(5):514-517. Ref. Dec. 7, 1966. 442.8 B5236
Lethocerus cordofanus.
- 30191 CHAPLAIN, R. A., and TREGGAR, R. T. The mass of myosin per cross-bridge in insect fibrillar flight muscle. J. Mol. Biol. 21(2):275-280. Ref. Nov. 14, 1966. 442.8 J8224
Lethocerus cordofanus.
- 30192 DAVIS, C. C. Notes on the ecology and reproduction of *Trichocorixa reticulata* in a Jamaican salt-water pool. Ecology 47(5):850-852. Late Summer, 1966. 410 Ec7
- 30193 DINGLE, H. Some factors affecting flight activity in individual milkweed bugs (*Oncopeltus fasciatus*). J. Exp. Biol. 44(2):335-343. Ref. Apr. 1966. 442.8 B77
- 30194 EICHHORN, O. Study of the progerodens/sistens ratio in the genus *Dreyfusia* (Hemipt., Adelgidae). (Ge) Z. Angew. Entomol. 57(3):310-320. May 1966. 421 Z36
English summary.
Fertility and oviposition.
- 30195 FORBES, A. R. Electron microscope evidence for nerves in the mandibular stylets of the green peach aphid. Nature [London] 212(5063):726. Nov. 12, 1966. 472 N21
Myzus persicae.
- 30196 IIPA, J. J. Blastocirithidia raabei sp. n., a flagellate parasite of *Mesocorixa marginatus* L. (Hemiptera, Coreidae). Acta Protozool. 4(3):19-23. Jan. 3, 1966. 439.8 Ac8
- 30197 KAZDA, V. On the effect of water extract from *Brachycaudus napellii* Schrk. on the cut surface parts of tomatoes. (Ge) Biol. Plant. 8(5):347-353. 1966. 450 B52
Growth inhibitor.
- 30198 LAWRENCE, P. A. Gradients in the insect segment: the orientation of hairs in the milkweed bug *Oncopeltus fasciatus*. J. Exp. Biol. 44(3):607-620. Ref. June 1966. 442.8 B77
- 30199 LAWRENCE, P. A. The hormonal control of the development of hairs and bristles in the milkweed bug, *Oncopeltus fasciatus*, Dall. J. Exp. Biol. 44(3):507-522. Ref. June 1966. 442.8 B77
- 30200 LLOYD, M., and DYBAS, H. S. The periodical cicada problem. II. Evolution. Evolution 20(4):466-505, map. Ref. Dec. 1966. 443.8 Ev62
Magicicada septendecim.
- 30201 MEDLER, J. T. Leafhoppers and membracids in yellow pan water traps (Homoptera). Kans. Entomol. Soc. J. 39(3):492-494. July 1966. 420 K13
South Dakota.

- 30202 MILLER, P. L. The function of haemoglobin in relation to the maintenance of neutral buoyancy in *Anisops pellucens* (Notonectidae, Hemiptera). *J. Exp. Biol.* 44(3):529-543. Ref. June 1966. 442.8 B77
- 30203 NUR, Z. Nonreplication of heterochromatic chromosomes in a mealy bug, *Planococcus citri* (Coccoidea: Homoptera). *Chromosoma* 19(4):439-448. 1966. 442.8 C46
- 30204 PARSONS, M. C. Studies on the cephalic anatomy of Naucoridae (Heteroptera). *Roy. Entomol. Soc. London, Trans.* 118(5):119-151. Ref. July 8, 1966. 420 L84
- 30205 POLIVANOVA, E. N. Resistance of *Eurygaster integriceps* Put. and other Pentatomidae embryos to various conditions of humidity and the temperature (Hemiptera, Pentatomoidea). (Rus) *Zool. Zh.* 45(8):1170-1174. 1966. 410 R92
English summary.
- 30206 PROESELER, G. Physiological and histological investigations of virus free and virus bearing *Plesma quadratum* Fieb. (Ge) *Biol. Zentralbl.* 85(2):211-229. Ref. Mar./Apr. 1966. 442.8 B53
- 30207 QUIOT, J. M., LAPORTE, M., and VAGO, C. Cultivation of symbiotic bacteria of *Eurydema ventralis* Kol. (Heteroptera, Pentatomidae) in tissue culture media. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(19):1426-1428. Ref. Nov. 7, 1966. 505 P21
- 30208 RASTOGI, S. C. Studies on the digestive organs of the red pumpkin bug, *Coridius janus* Fabr. (Heteroptera: Dinidoridae). *Rev. Zool. Bot. Afr.* 74(1/2):63-82. Ref. Sept. 30, 1966. 410 R326
- 30209 ROSEN, D. Notes on the parasites of *Acaudaleyrodes citri* (Priesner & Hosni) (Hem.: Aleyrodidae) in Israel. *Entomol. Ber.* 26(3):55-59. Mar. 1, 1966. 420 N38B
Eretmocerus diversiciliatus and *Prospaltella lutea*, parasitic Hymenoptera.
- 30210 ROTHCHILD, G. H. L. A study of a natural population of *Conomelus anceps* (Germar) (Homoptera: Delphacidae) including observations on predation using the precipitin test. *J. Anim. Ecol.* 35(3):413-434. Ref. Oct. 1966. 410 J826
Chiefly spiders and Phalangida as predators.
- 30211 SCHREINER, B. Histochemistry of the A cell neurosecretory material in the milkweed bug, *Oncopeltus fasciatus* Dallas (Heteroptera: Lygaeidae), with a discussion of the neurosecretory material carrier substance problem. *Gen. Compar. Endocrinol.* 6(3):388-400. Ref. June 1966. 444.8 G28
- 30212 SINGH, H., SEHADRI, T. R., and SUBRAMANIAN, G. B. V. Chemical investigation of wax from larvae of *Laccifer lacca*. *Curr. Sci.* 35(17):431-432. Sept. 5, 1966. 475 Sci23
- 30213 SISLI, M. N. The effect of the photoperiod on the induction and termination of the adult diapause of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). *Ankara, Univ. Fac. Sci. Commun. (ser.C)* 10:62-69. Ref. 1965. 330.9 An4
- 30214 SISLI, M. N. An observation on *Aelia rostrata* Boh. in aestivation quarters in Ankara. *Ankara, Univ. Fac. Sci. Commun. (ser.C)* 10:70-77. Ref. 1965. 330.9 An4
Populations, chiefly; includes *Eurygaster maura*.
- 30215 STYS, P. Morphology of the wings, abdomen and genitalia of *Phaenacantha australis* Kirk. (Heteroptera, Colobathristidae) and notes on the phylogeny of the family. *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(4):266-280. Ref. July 20, 1966. 420 C33
- 30216 THOMAS, V. Studies on life-history and biology of *Dysdercus cingulatus* F. (Hemiptera: Pyrrhocoridae), a pest of malvaceous crops in Malaysia. *Malaysian Agr. J.* 45(4):417-428. July 1966. 22.5 F312
- 30217 VORONINA, E. G. Fungi of the family Entomophthoraceae causing diseases in pea aphid [*Acyrtosiphon pisum*]. (Rus) *Bot. Zhur.* 51(7):984-989. Ref. July 1966. 451 R923
- Hymenoptera
- SEE ALSO Apiculture and *Apis mellifera*.
- 30218 BALDWIN, W. F., SHAVER, E. L., and JAMES, A. P. The genetics of eye-colour mutants of *Dahlbominus*. *Can. J. Genet. Cytol.* 8(2):245-250. June 1966. 443.8 C16
Dahlbominus fuscipennis.
- 30219 BENNETT, F. D. Observations on the behavior of males of the West Indian carpenter bee, *Xylocopa mordax* Smith, on Nevis Island. *Pan-Pacific Entomol.* 42(3):246. July 1966. 421 P193
- 30220 BENSON, R. B. A new genus of the Lycotini (Blennocampinae) in Turkey (Hymenoptera: Tenthredinidae). *Roy. Entomol. Soc. London, Proc. Ser. B, Taxonom.* 35(5/6):75-77. July 8, 1966. 420 L84Pb
Seljukia n. g.
- 30221 BROCHER, F. *Agenia* [punctum] and *Eumenes* [pomiformis]. (Fr) *Natur. Belg.* 47(7):343-349. Aug./Sept. 1966. 410.9 N21
Parasitizing spiders.
- 30222 CHENG, H. H., and LEROUX, E. J. Life history and habits of the birch leaf miner, *Fenusa pusilla* (Lepelletier) (Hymenoptera: Tenthredinidae), on blue birch, *Betula caerulea grandis* Blanchard, Morgan Arboretum, Quebec, 1964. *Entomol. Soc. Quebec. Ann.* 10(3):173-188. Ref. Sept. 1965. 420 En822
- 30223 EVANS, H. E. Nests and prey of two species of *Philanthus* in Jackson Hole, Wyoming (Hymenoptera, Sphecidae). *Great Basin Natur.* 26(1/2):35-40. Sept. 15, 1966. 410 G79
Philanthus pulcher and *P. zebratus nitens*; wasps and bees as prey.
- 30224 HACKWELL, G. A., and STEPHEN, W. P. Ecdysis and duration of larval development in the alkali bee, *Nomia melanderi* Cockerell (Hymenoptera: Apoidea). *Pan-Pacific Entomol.* 42(3):196-200. July 1966. 421 P193
- 30225 HOLDOBLER, K. The jumping ants. (Ge) *Schweiz. Entomol. Ges. Mitt.* 38(1/2):80-81. July 15, 1965. 420 Sw6
- 30226 HOLDOBLER, K. New reports on the thief ant (*Solenopsis fugax* Latr.), especially on its behavior in formicary. (Ge) *Schweiz. Entomol. Ges. Mitt.* 38(1/2):71-79. July 15, 1965. 420 Sw6
- 30227 IWATA, K. The comparative anatomy of the ovary in Hymenoptera; records on 64 species of *Aculeata* in Thailand with descriptions of ovarian eggs. *Mushi* 38(12):101-109. Apr. 20, 1965. 421 M97
- 30228 KRIEGL, M. A contribution to the study of parasites of wheat stem sawfly *Cephus pygmaeus* L. (Hym., Cephidae) in central Europe. (Ge) *Z. Angew. Entomol.* 57(3):221-228. May 1966. 421 Z36
English summary.
Includes *Collyria calcitrator*.
- 30229 KURCZEWSKI, F. E. Comparative behavior of male digger wasps of the genus *Tachysphex* (Hymenoptera: Sphecidae, Larrinae). *Kans. Entomol. Soc. J.* 39(3):436-453. Ref. July 1966. 420 K13
- 30230 LABERGE, W. E., and RIBBLE, D. W. The nests and larvae of two species of *Agapostemon* (Hymenoptera: Halictidae). *Kans. Entomol. Soc. J.* 39(3):467-472. July 1966. 420 K13
Agapostemon splendens and *A. radiatus*.
- 30231 LANDIM, C. DA C., and others. Tibial organ of male *Euglossini* studied with the light and electron microscope. (Por) *Rev. Brasil. Biol.* 25(4):323-341. Ref. Dec. 1965. 442.8 R326
A. C. Stort, M. A. Da C. Cruz, and E. W. Kitajima, joint authors.
English summary.
- 30232 LEVIN, M. D. Biological notes on *Osmia lignaria* and *Osmia californica* (Hymenoptera: Apoidea, Megachilidae). *Kans. Entomol. Soc. J.* 39(3):524-535. Ref. July 1966. 420 K13

- OHNESORGE, B., and THALENHORST, W. Study of the dynamics of the populations of *Pristiphora abietina* (Christ) (Hym., Tenth.). III. Latency. (Ge) Z. Angew. Entomol. 57(3): 229-293, map. Ref. May 1966. 421 Z36
English summary.
Includes ecology, parasites and predators.
- PIEK, T. Site of action of the venom of the digger wasp *Philanthus triangulum* F. on the fast neuromuscular system of the locust [*Locusta migratoria migratorioides*]. Toxicon 4(3): 191-198. Ref. Nov. 1966. 391.8 T66
- REZAC, M. *Bracon maculiger* Wesm., a new parasite of the plum sawfly *Hoplocampa miata* (Christ.) and its economic role. (Ge) Brno. Vysoka Sk. Zemel. Sb. Rada A, Spisy Fak, Agron. 2:223-230. 1966. 105.92 B833
English summary.
Chiefly ethology.
- SAKAGAMI, S. F., and MUNAKATA, M. Bionomics of a Japanese halictine bee, *Lasiosiglossus pallidulus* (Hymenoptera: Apoidea). Kans. Entomol. Soc. J. 39(3):370-379. July 1966. 420 K13
- SAKAGAMI, S. F., and STURM, H. *Euplusia longipennis* (Friese) and its remarkable brood cells from Colombia (Hymenoptera, Apidae). (Ge) Insecta Matsumurana 28(1):83-92. Aug. 1966. 421 In77
- SCHMIDT, G. H. Allometry in the development of imaginal organs during metamorphosis of *Formica polyctena* Foerst. (Ins. Hym.). (Ge) Biol. Zentrabl. 85(2):139-158. Ref. Mar./Apr. 1966. 442.8 B523
English summary.
- SHARMA, A. K., FAROOQI, S. I., and RAO, B. R. S. The biology of Tetrastichus rhizophorothripscidis Narayanan, Rao et Rao (Eulophidae: Hymenoptera), a parasite of *Mallotrichus indicus* Ramakrishna. Mushi 38(14):117-122. Apr. 20, 1965. 421 M97
- STOAKLEY, J. T. The period of oviposition by the Douglas fir seed wasp [Megastigmus spermotrophus]. Great Brit. Forest. Comm. Rep. Forest Res. 1965:185-189. 1966. 99.9 G795Re
- TEOCCHI, P. A contribution to the study of the biology and distribution of some parasitic Hymenoptera of central France. (Fr) Entomologiste [Paris] 21(1/2):1-4. Apr. 1965. 421 En814
- WILLIAMS, F. X. A spider-hunting wasp found nesting in hollow plant stems (Hymenoptera: Pompilidae, Pepsinae). Wasmann J. Biol. 24(1):33-47. Ref. Spring 1966. 442.8 W28
Dipogon (Deuteragenia) caliperus nubifer nesting in *Asclepias curassavica*.
- Lepidoptera**
- SEE ALSO Sericulture and the Silkworm.
- APPLEBAUM, S. W., EBSTEIN, R. P., and WYATT, G. R. Dissociation of ribosomal ribonucleic acid from silkworm [*Hyalophora cecropia*] pupae by heat and dimethylsulfoxide: evidence for specific cleavage points. J. Mol. Biol. 21(1):29-41. Ref. Oct. 28, 1966. 442.8 J8224
- BAILEY, L. Pathogens of wax moths [*Galleria mellonella*] and other insects. Iford, Essex, Central Association of Bee-Keepers, 1966. 8 p. Bee Cul. SF538.B3
- CLIFTON, M. *Celerio livornica* Esp. (Lep., Sphingidae) in Hants. S. London. Entomol. Natur. Hist. Soc. Proc. Trans. 2:60. Sept. 1965. 420 So8
Oviposition.
- CLIFTON, M. Delayed emergence from pupa in Lepidoptera. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 2:60. Sept. 1965. 420 So8
Anthocharis cardamines.
- DAVID, W. A. L., and GARDINER, B. O. C. Rearing *Pieris brassicae* (L.) on semi-synthetic diets with and without cabbage. Bull. Entomol. Res. 56(3):581-593. Ref. June 1966. 421 B87
- DAY, M. F., and DUDZINSKI, M. L. The effect of temperature on the development of Sericesthis iridescent virus. Australian J. Biol. Sci. 19(3):481-493. Ref. June 1966. 442.8 Au72
In larvae and prepupae of *Galleria mellonella*.
- DROOZ, A. T. Obtaining individual eggs from an egg-mass-depositing insect. U. S. Forest Serv. Res. Note SE-57,2 p. June 1966. A99.9 F7623Un
Elm spanworm, *Ennomos subsignarius*.
- ERIKSSON, O. H. On the cornuti of the genus *Eupithecia* Curt. (Lep.). (Sw) Opusc. Entomol. 30(3):169-174. 1965. 421 Op7
English summary.
- HOEGH-GULDBERG, O. North European groups of *Aricia* allous G.-Hb.; their variability and relationship to *A. agestis* Schiff. Natur. Jutlandica 13,184 p., map. Ref. 1966. 410 NZ193
Includes rearing and hybridization, biology and ecology, and morphology.
- KALJADOE, I. A. Behavior of caterpillars of *Vanessa cardui* L. (Lep., Nymphalidae) in captivity. (Du) Entomol. Ber. 26(3):41-42. Mar. 1, 1966. 420 N38B
English summary.
- KALSHOVEN, L. G. E. Notes on some injurious Lepidoptera from Java. Tijdschr. Entomol. 108(4):73-93. Ref. 1965. 421 T21
Biology.
- KANAMITSU, K. A life table study of a Japanese pine shoot moth, *Everia cristata* (Walshingham), (Lepid.: Tortricidae). Z. Angew. Entomol. 57(2):190-201. Mar. 1966. 421 Z36
On *Pinus thunbergii* includes *Lissonota evetriae* as parasites.
- KAPLANIS, J. N., and others. Ecdysones from the pupa of the tobacco hornworm, *Manduca sexta* (Johannson). Steroids 8(5):605-623. Ref. Nov. 1966. 381 St4
M. J. Thompson, R. T. Yamamoto, W. E. Robbins, and S. J. Loulides, joint authors.
- KREJZOVA, R. The cultivation of *Galleria mellonella* tissues in vitro. Cesk. Společnost Zool. Vestník 30(2):107-110. Ref. 1966. 410.9 C33
- KREJZOVA, R. The influence of amino acid concentration on the growth of ovarian tissue of *Galleria mellonella* in vitro. Cesk. Společnost Zool. Vestník 30(2):111-113. 1966. 410.9 C33
- KUHN, A. The alb mutation (oculus albis) in *Ephestia kuehniella*. (Ge) Z. Vererbungslehre 98(1):91-96. Ref. 1966. 442.8 Z34
- LABINE, P. A. The population biology of the butterfly, *Euphydryas editha*. IV. Sperm precedence—a preliminary report. Evolution 20(4): 580-586. Dec. 1966. 443.8 Ev62
X-radiation study.
- LECADET, M. M., and CHEVRIER, G. The proteases of *Pieris brassicae*, demonstration of zymogens. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(14):944-947. Oct. 3, 1966. 505 P21
- LIPP, C. Discussion of the scale-epithelium association in *Ephestia kuehniella* Z. (Ge) Biol. Zentrabl. 85(2):231-234. Ref. Mar./Apr. 1966. 442.8 B523
- MITTELUNG, T., and SEILER, J. Cytology of hybrids from the crossing of parthenogenetic females from *Solenobia triquetrella* with males of the bisexual race. (Ge) Chromosoma 19(4): 405-438. Ref. 1966. 442.8 C46
English summary.
- NEKRUTENKO, YU. P. Some properties of the hidden wing-pattern in *Colidiinae* (Lepidoptera, Rhopalocera). (Uk) Akad. Nauk Ukr. RSR, Dopovidi 9:1227-1230. 1966. 511 K54
English summary.
- OSANAI, M. Color change in the caterpillars of *Hestina japonica* at the beginning of hibernation. III. An ommochromoprotein with redox reaction in the skin of *Hestina japonica*. (Ge) J. Insect Physiol. 12(10):1295-1301. Oct. 1966. 421 J825
English summary.

- 30265 OTTENHELM, C. Rearing *Gastropacha populi-folia* L. from eggs in 1964 (Lep., Lasiocampidae). (Du) Entomol. Ber. 26(3):54. Mar.1, 1966. 420 N38B
English summary.
- 30266 POINAR, G. O. The presence of *Achromobacter nematophilus* in the infective stage of a *Neoplectana* sp. (Steinernematidae, Nematoda). *Nematologica* 12(1):105-108. 1966. 436.8 N342
Isolated from *Galleria mellonella*.
- 30267 ROEDER, K. D. Auditory system of noctuid moths. *Science* 154(3756):1515-1521. Ref. Dec.23,1966. 470 Sc12
- 30268 ROEDER, K. D. Interneurons of the thoracic nerve cord activated by tympanic nerve fibres in noctuid moths. *J. Insect Physiol.* 12(10):1227-1244. Ref. Oct.1966. 421 J825
- 30269 ROER, H. Kleiner Fuchs, Tagfauenaue, Admiral [Small fox, peacock, admiral]. *Neue Brehm-Bucherei* 348,74 p. Ref. 1965. 409 N392
Biology and geographic distribution of *Aglais urticae*, *Inachis io*, and *Vanessa atalanta* respectively.
- 30270 SCHMIDT, E. The occurrence and development of *Arctia flava* larvae (Lep., Arctiidae). (Ge) Entomol. Z. 75(17):185-191. Sept.1,1965. 421 En85
- 30271 SCHMIDT-KOEHL, W. New contribution to the Macrolepidoptera fauna of the provinces of Granada, Almeria and Malaga in Upper Andalusia (Southern Spain). (Ge) Entomol. Z. 75 (19/20):209-240. (Cont.) Oct.1/15,1965. 421 En85
Biology and populations.
- 30272 SCHWARZ, R. The preimaginal stadia of the *Scoparia crataegella* (Hubner 1796) (Lepidoptera, Pyralidae). (Ge) Cas. Slezského Muz., Ser. A. Sci. Natur. 14(2):163-169. Ref. 1965. 510 T75
- 30273 SEHNAL, F., and SLAMA, K. The effect of corpus allatum hormone on respiratory metabolism during larval development and metamorphosis of *Galleria mellonella* L. *J. Insect Physiol.* 12(10):1333-1342. Ref. Oct.1966. 421 J825
- 30274 SEHNAL, F. The influence of juvenile hormone on the oxygen consumption of *Galleria mellonella* L. larvae and pupae. *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(4):258-265. Ref. July 20,1966. 420 C33
- 30275 SMIRNOFF, W. A. The occurrence of *Nosema* and *Plistiphora* microsporidians on *Archips cerasivoranus* (Fitch) in Quebec. Entomol. Soc. Quebec. Ann. 10(3):121-123. Sept.1965. 420 En822
Nosema cerasivoranae.
- 30276 SMITH, M. R. A list of Lepidoptera associated with cocoa in West Africa, with notes on identification and biology of species in Ghana. *Ghana Acad. Sci. Cocoa Res. Inst. Tech. Bull.* 9,68 p. Ref. 1965. 68.39 T12
- 30277 STAIRS, G. R., and others. Fine structure of a granulosis virus of the codling moth. *Virology* 30(3):583-584. Nov.1966. 448.8 V81
W. B. Parrish, J. D. Briggs, and M. Allietta, joint authors.
Carpocapsa pomonella.
- 30278 TOJO, S., and HIRANO, C. An improved method for determination of uric acid in insects. *J. Insect Physiol.* 12(11):1467-1471. Nov.1966. 421 J825
Mamestra brassicae test insect.
- 30279 TRAVE, R., and others. On the chemical nature of the odorous secretion of the larva of the lepidopteron *Cossus cossus* L. (R) Chim. Indus. [Milano] 48(11):1167-1176. Ref. Nov. 1966. 385 G43
L. Garanti, A. Marchesini, and M. Pavan, joint authors.
- 30280 URBAN, E. *Hemistola chrysoprasaria* Esp. (*Geometra vernaria* Hbn.) two brooded (Lep., Geom.). (Ge) Deut. Entomol. Ges. Mitt. 24(3): 54. July 31,1965. 420 D482
- 30281 WITTSTADT, H. The appearance of the hawk moth (*Acherontia atropos*) in 1964 (Lep., Sphingidae). (Ge) Entomol. Z. 75(14):161-165. July 15,1965. 421 En85
- 30282 YEARIAN, W. C., GILBERT, K. L., and WARREN, L. O. Rearing the fall webworm, *Hyphantria cunea* (Drury) (Lepidoptera: Arctidae) on a wheat germ medium. *Kans. Entomol. Soc. J.* 39(3):495-499. July 1966. 420 K13

Orthoptera

- 30283 BARKER, J. F. Climatological distribution of a grasshopper [*Myrmeleotettix maculatus*] supernumerary chromosome. *Evolution* 20(4): 665-667, map. Dec.1966. 443.8 Ev62
- 30284 BERNARDINI, P. M., and LAUDANI, U. Oxygen consumption by the prothoracic gland of *Leucophaea maderae* and *Periplaneta americana* in relation to the histological appearance of the endocrine organs. (Fr) *J. Insect Physiol.* 12(10):1289-1294. Ref. Oct.1966. 421 J825
English summary.
- 30285 BLACKKITH, R. E., and BLACKKITH, R. M. The food of morabine grasshoppers. *Australian J. Zool.* 14(5):877-894. Ref. Nov.1966. 410 Au73
Eumastacidae.
- 30286 DATEO, G. P., and ROTH, L. M. D-gluconic acid: isolation from the defensive secretion of the cockroach *Euryctotis decipiens*. *Science* 155 (3758):88-89. Jan.6,1967. 470 Sc12
- 30287 DUTT, M. K. Chromosomes of *Schistocerca gregaria* (Forsk.). *Curr. Sci.* 35(19):497. Oct.5,1966. 475 Sc13
- 30288 ELDEFRAWI, M. E. Liquid scintillation counting of H³- and C¹⁴ compounds in animal tissues. *Anal. Biochem.* 17(2):353-355. Nov. 1966. 381 An13
Cockroach and rat tissues.
- 30289 EVANS, H. E. The intellectual and emotional world of the cockroach. *Harper's Mag.* 233 (1399):50-55. Dec.1966. 110 H23
- 30290 GANGWERE, S. K. The structural adaptations of mouthparts in Orthoptera and allies. *Eos* 41 (1):67-85. Ref. May 31,1965. 421 Eo7
- 30291 HORRIDGE, G. A. Optokinetic memory in the locust. *J. Exp. Biol.* 44(2):255-261. Apr.1966. 442.8 B77
Locusta migratoria.
- 30292 ISHIZAKA, S. Surface characters of dividing cells. II. Isotropy and uniformity of surface membrane. *J. Exp. Biol.* 44(2):225-232. Ref. Apr.1966. 442.8 B77
Spermatocytes of *Acrida lata*.
- 30293 JOHANSSON, A. S., and SCHREINER, B. Intestinal tumours in the German cockroach *Blattella germanica* L. *Nature* 212(5064):844. Nov.19, 1966. 472 N21
- 30294 KLOSS, G. R. Revisao dos nematoides de Blattaria do Brasil [Revision of the nematodes of cockroaches from Brazil]. *Sao Paulo, Dep. Zool. Papeis Avulsos* 18:147-188. Ref. 1966. 410.9 Sa63
- 30295 LANDUREAU, J. C. Cultivation in vitro of the embryonic cells of cockroaches (Insects, Dictyoptera). (Fr) *Exp. Cell Res.* 41(3):545-556. Ref. Mar.1966. 442.8 Ex7
English summary.
Periplaneta americana, *Blattella germanica* and *Blaberus fusca*.
- 30296 LEUTHOLD, R. Motor activity of the female cockroach *Leucophaea maderae* (F.) during the reproductive cycle and its experimental modification. (Ge) *J. Insect Physiol.* 12(10):1303-1331. Ref. Oct.1966. 421 J825
English summary.
- 30297 MACFARLANE, J. R., and HOGAN, T. W. Free amino acid changes associated with diapause in the egg of the field cricket, *Telegryllus* [commodus]. *J. Insect Physiol.* 12(10): 1265-1278. Ref. Oct.1966. 421 J825
- 30298 MEYNADIER, G. Study of virus disease of the Orthoptera *Gryllus bimaculatus* Geer. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(9):742-744. Aug.29,1966. 505 P21
- 30299 MILBURN, N. S. Fine structure of the pleomorphic bacteroids in the mycetocytes and ovaries of several genera of cockroaches. *J. Insect Physiol.* 12(10):1245-1254. Ref. Oct. 1966. 421 J825

- 30300 NARAHASHI, T. Dependence of excitability of cockroach [*Periplaneta americana*] giant axons on external divalent cations. *Compar. Biochem. Physiol.* 19(4):759-774. Ref. Dec.1966. 444.8 C73
- 30301 NATALIZI, G. M., and FRONTALI, N. Purification of insect hyperglycaemic and heart accelerating hormones. *J. Insect Physiol.* 12(10):1279-1287. Ref. Oct.1966. 421 J825
Corpora cardiaca of *Periplaneta americana* tested on *Apis mellifera*.
- 30302 ODIHAMBO, T. R. Site of action of the corpus allatum hormone at the cellular level in *Schistocerca gregaria*. *Acta Trop.* 23(3):264-271. Ref. 1966. 475 Ac8
- 30303 PASSAMA-VUILLAUME, M., and LEVITA, B. Tetrapyrrolic pigments of *Oedipoda coerulea*. *(Fr) Acad. Sci. Comp. Rend. Ser. D.* 263(15):1001-1003. Ref. Oct.10,1966. 505 P21
- 30304 RIEGEL, J. A. Micropuncture studies of formed-body secretion by the excretory organs of the crayfish, frog and stick insect [*Dixippus morosus*]. *J. Exp. Biol.* 44(2):379-385. Ref. Apr.1966. 442.8 B77
- 30305 RUNION, H. I., and USHEWOOD, P. N. R. A new approach to neuromuscular analysis in the intact free-walking insect preparation. *J. Insect Physiol.* 12(10):1255-1263. Ref. Oct.1966. 421 J825
Schistocerca gregaria and *Romalea microptera*; preparation includes preoperative care, harness fabrication and fitting, and electrode implantation.
- 30306 SLIFER, E. H. Sense organs on the antennal flagellum of a walkingstick *Carausius morosus* Brunner (Phasmida). *J. Morphol.* 120(2):189-201. Ref. Oct.1966. 444.8 J826
- 30307 STAY, B., and GELPERIN, A. Physiological basis of ovipositional behaviour in the false ovoviparous cockroach, *Pycnoscelus surinamensis* (L.). *J. Insect Physiol.* 12(10):1217-1226. Oct.1966. 421 J825
- 30308 STRONG, L. Endocrinology of imaginal diapause in the female red locust, *Nomadacris septemfasciata* (Serv.). *Nature* 212(5067):1276-1277. Dec.10,1966. 472 N21
- 30309 TREHERNE, J. E. The effect of ouabain on the efflux of sodium ions in the nerve cords of two insect species (*Periplaneta americana* and *Carausius morosus*). *J. Exp. Biol.* 44(2):355-362. Ref. Apr.1966. 442.8 B77
- 30310 UVAROV, SIR B. P. Grasshoppers and locusts; a handbook of general acridology. Volume 1. Anatomy, physiology, development, phase polymorphism, introduction to taxonomy. Cambridge, University Press, 1966. 481 p. QL508.A2U8
- 30311 VAN HORN, S. N. Studies on the embryogenesis of *Aulocara ellioti* (Thomas) (Orthoptera, Acrididae). II. Developmental variability and the effects of maternal age and environment. *J. Morphol.* 120(2):115-133. Ref. Oct.1966. 444.8 J826
- 30312 WHITE, M. J. D., and CHENEY, J. Cytogenetics of the cultrata group of morabine grasshoppers. I. A group of species with XY and XY₂Y sex chromosome mechanisms. *Australian J. Zool.* 14(5):821-834, map. Nov.1966. 410 Au73
Acridoidea, Eumastacidae and Morabinae.
- 30313 WILLIS, J. H., and BRUNET, P. C. J. The hormonal control of colleterial gland secretion. *J. Exp. Biol.* 44(2):363-378. Ref. Apr.1966. 442.8 B77
Periplaneta americana.
- 30314 BAKER, J. R., and MCCRAE, J. M. The ultrastructure of the "Podura" scale (*Lepidocyrtus curvicolis*, Insecta, Collembola), as revealed by whole mounts. *J. Ultrastruct. Res.* 15(5/6):516-521. Ref. Aug.1966. 440.8 J822
Include electron microscopy.
- 30315 BROADHEAD, E., and WAPSHERE, A. J. Mesopocus populations in larch in England. The distribution and dynamics of two closely-related coexisting species of Psocoptera sharing the same food resource. *Ecol. Monogr.* 36(4):327-388. Ref. Autumn 1966. 410 Ec72
Mesopocus immuns and *M. unipunctatus*.
- 30316 CUNNINGHAM, H. B. Stoneflies are important sources of fish food. *Highlights Agr. Res.* [Ala. Sta.] 13(4):16, map. Winter 1966. 100 AL1H
Plecoptera.
- 30317 HAMBLYN, E. L. The food and feeding habits of Nile perch *Lates niloticus* Linne (Pisces; Centropomidae). *Rev. Zool. Bot. Afr.* 74(1/2):1-28. Sept.30,1966. 410 R326
Includes Odonata.
- 30318 HUGHES, G. M., and MILL, P. J. Patterns of ventilation in dragonfly [Odonata] larvae. *J. Exp. Biol.* 44(2):317-333. Ref. Apr.1966. 442.8 B77
Anax imperator, *Aeshna cyanea*, and *Libellula*.
- 30319 KESSEL, R. G. The association between microtubules and nuclei during spermiogenesis in the dragonfly [Odonata]. *J. Ultrastruct. Res.* 16(3/4):293-304. Ref. Oct.1966. 440.8 J822
- 30320 MCIVER, S. B., and HARWOOD, R. F. Thermal discrimination in the firebrat, *Thermobia domestica* (Thysanura: Lepismatidae). *Kans. Entomol. Soc. J.* 39(3):535-541. Ref. July 1966. 420 K13
- 30321 MILL, P. J., and HUGHES, G. M. The nervous control of ventilation in dragonfly [Odonata] larvae. *J. Exp. Biol.* 44(2):297-316. Ref. Apr. 1966. 442.8 B77
Respiration in *Aeshna juncea*, *Anax imperator*, and *Libellula*.
- 30322 NIMMO, A. P. The arrival pattern of Trichoptera at artificial light near Montreal, Quebec. *Quaestiones Entomol.* 2(3):217-242, map. Ref. July 1966. 421 Q2
- 30323 PACIT, J. Identifiy, geographic distribution, and synonymy of *Campodea* (*Monocampa*) *devoniensis* Bagnall (Insecta, Diplura). (Ge) *Sencckenb. Biol.* 47(2):125-129. Ref. Mar.14,1966. 410.9 Se5
- 30324 PAULIAN, R. A case of biting by the larvae of *Chrysopa* species. (Fr) *Entomologiste* [Paris] 21(1/2):26. Apr.1965. 421 En814
- 30325 ROONWAL, M. L., and CHHOTANI, O. B. Soldier and other castes in termite genus *Speculitermes* and the phylogeny of Anoplotermes-Speculitermes complex. *Biol. Zentralbl.* 85(2):183-210, map. Ref. Mar./Apr.1966. 442.8 B523
- 30326 STEBAEVA, S. K. Ecological characteristics of *Collembola* dwelling in soils of the northern Baraba Steppe. (Rus) *Zool. Zh.* 45(6):1144-1158. Ref. 1966. 410 R92
English summary.

TAXONOMIC AND GEOGRAPHIC ENTOMOLOGY

- 30327 BAUDYS, E. Zoocecidia from the environs of Osoblah. II. (Cz) *Cas. Slezkého Muz., Ser. A, Sci. Natur.* 14(2):141-151. Ref. 1965. 510 T75
German summary.
Distribution of gall insects on host plants.
- 30328 BOYES, J. W. Cytotaxonomy of insects. *Entomol. Soc. Quebec. Ann.* 10(2):99-108. Ref. May 1965. 420 En822
- 30329 DUPORTE, E. M. The role of morphology in taxonomy. *Entomol. Soc. Quebec. Ann.* 10(2):91-97. May 1965. 420 En822
- 30330 FRAUCA, H. The book of Australian wild life; a panoramic view of Australian animals from insects to the high mammals. London, Heinemann, 1965. 170 p. Ref. QL338.F7
Includes arachnids.
- 30331 OLDROYD, H. The future of taxonomic entomology. *Syst. Zool.* 15(4):253-260. Dec.1966. 410 Sy8
Includes nomenclature.
- 30332 ALLRED, D. M. Unusual records of Utah mites. *Great Basin Natur.* 26(1/2):34. Sept.15, 1966. 410 G79
Pests of wildlife.

Arachnida, Myriapoda, Etc.

- 30333 ANDRE, M., and NAUDO, M. H. *Pertydeus schusteri* n. sp., n. sp., a new Tydeus with pulvilliform claw (Tydeidae). (Fr) *Acarologia* 7(4):673-682. Ref. Oct.1965. 434.8 Ac1
- 30334 ATHIAS-HENRIOT, C. Biogeographic particulars about Palearctic Pergamasus quisquiliarum (Mesostigmata, Parasitidae). (Fr) *Acarologia* 7(4):624-631. Oct.1965. 434.8 Ac1
- 30335 ATYEO, W. T. A new genus and six new species of feather mites primarily from Tyranni (Acarina: Proctophyllodidae). *Kans. Entomol. Soc. J.* 39(3):481-492. July 1966. 420 K13
Nycteridocaulus n. g.
- 30336 ATYEO, W. T. Two new genera of feather mites (Acarina: Proctophyllodidae). *Kans. Entomol. Soc. J.* 39(3):473-480. July 1966. 420 K13
Tanyphyllodes scelorchilae n. g., n. sp. and Philepittalgas rotundus n. g., n. sp.
- 30337 AUDY, J. R., and others. *Trombicula minor* Berlese (Acarina, Trombiculidae): designation of neotype with larval and post-larval stages from Malayan bats, and new name, *Myotrombicula dilarami*, for *T. minor* Cooreman 1960 nec Berlese 1905. *Acarologia* 7(sup.):1-33. Ref. Apr.1965. 434.8 Ac1
M. Nachatram, R. B. Loomis, and R. Traub, joint authors.
- 30338 BROEN, B. VON. *Lepthyphantes geniculatus* in Germany (Arachnida, Araneae). (Ge) *Senckenb. Biol.* 47(3):177-180. June 1, 1966. 410.9 Se5
- 30339 CHAUDHRI, W. M. Two new species of mites from Pakistan (Acarina: Phytoseiidae). *Acarologia* 7(4):632-635. Oct.1965. 434.8 Ac1
Typhlodromus hadii n. sp. and T. zafari n. sp.
- 30340 EICKWORT, G. C. A new genus and species of mite associated with the green bee *Augochlorella* (Hymenoptera: Halictidae) in Kansas (Acarina: Laelaptidae: Hypoaspidae). *Kans. Entomol. Soc. J.* 39(3):410-428. Ref. July 1966. 420 K13
Laelaspoides ordwayae n. g., n. sp.
- 30341 FAIN, A. *Rhinonyssidae* (Acari, Mesostigmata). *Rev. Zool. Bot. Afr.* 74(1/2):83-96. Sept.30, 1966. 410 R326
Text in French.
Includes n. spp. in *Astridiella*, *Ptilonyssus*, and *Falconyssus* n. g.
- 30342 GRANDJEAN, F. Supplement to my work of 1953 on the classification of the Oribatei. (Fr) *Acarologia* 7(4):713-734. Ref. Oct.1965. 434.8 Ac1
Includes *Eremuloidea* n. superfam.
- 30343 HAMMER, M. Investigations on the oribatid fauna of New Zealand. I. *Danske Videnskabsbernes Selskab. Biol. Skr.* 15(2):108 p., map. 1966. 442.9 D23B
Includes n. spp. in *Nannhermannia*, *Brachychthonius*, *Trichothionius*, *Cosmochthonius*, *Fossonothus*, *Trimalaconothrus*, *Zeanothrus*, *Malacothrus*, *Novonothrus* n. g., *Heminothrus*, *Platynothrus*, *Acronothrus*, *Astronothrus* n. g., *Holonothrus*, *Hermannella*, *Phyllhermannia*, *Scapheremaeus*, *Metaeloa*, *Pedrocortesia*, *Pedrocortesia*, *Eremulus*, *Suctoeloa*, *Zeanuctoeloa* n. g., *Caraodes*, *Austrocaranodes* n. g., *Pseudotocepheus*, *Plenotocepheus* n. g., *Neotocepheus* n. g., *Euteraeus*, *Nesutocepheus*, *Borneuschia* n. g., *Compatozetes* n. g., *Pterozetes* n. g., *Topalia* n. g., *Tumerozetes* n. g., *Adhaesozetes* n. g., *Capillabates* n. g., *Halozetes*, *Austrogneta*, *Cuspipegna* n. g., *Physobates*, *Pelops*, *Maorizetes*, *Clavazetes* n. g., *Bulleremaeus* n. g.
- 30344 HELVERSEN, O. VON. Pseudoscorpions from the Rhine-Main area. (Ge) *Senckenb. Biol.* 47(2):131-150. Ref. Mar.14, 1966. 410.9 Se5
- 30345 HOFFMANN, A. Contribuciones al conocimiento de los trombiculidos mexicanos (Acarina: Trombiculidae) [Contributions to the knowledge of Mexican trombiculids (Acarina: Trombiculidae)]. XI. *Folia Entomol. Mex.* 9, 18 p. Aug. 1965. 421 F712
English summary.
Includes n. spp. in *Hannemania*, *Eutrombicula*, *Neotrombicula*, *Trombicula*, and *Euschongastia*.
- 30346 HOLSINGER, J. R. Redescrptions of two poorly known species of cavernicolous rhagidiid mites (Acarina: Trombidiformes) from Virginia and Kentucky. *Acarologia* 7(4):654-662. Ref. Oct.1965. 434.8 Ac1
Rhagidia weyerensis and R. cavernarum.
- 30347 HOOGSTRAAL, H., UILENBERG, G., and KLEIN, J. M. *Haemaphysalis* (Dermaphysalis) nesomys subgen. et sp. n. (Ixodoidea, Ixodidae), a leathery parasite of *Nesomys rufus* Peters (Rodentia) in Madagascar. *J. Parasitol.* 52(6):1199-1202. Dec.1966. 448.8 J824
- 30348 HOOGSTRAAL, H., and TRAPIDO, H. Redescription of the type materials of *Haemaphysalis* (Kaiseriana) bispinosa Neumann (India), H. (K.) neumanni Donitz (Japan), H. (K.) lagrangei Larrousse (Vietnam), and H. (K.) yeni Tounanoff (Vietnam) (Ixodoidea, Ixodidae). *J. Parasitol.* 52(6):1188-1198. Dec.1966. 448.8 J824
- 30349 HOOGSTRAAL, H., and TRAPIDO, H. Studies on Southeast Asian *Haemaphysalis* ticks (Ixodoidea, Ixodidae). Species described by Supino in 1897 from Burma, with special reference to H. (Rhipistoma) asiaticus (= H. dentipalpis Warburton and Nuttall). *J. Parasitol.* 52(6):1172-1187. Ref. Dec.1966. 448.8 J824
- 30350 HUNTER, P. E. The genus *Pneumolaelaps* with descriptions of three new species (Acarina: Laelaptidae). *Kans. Entomol. Soc. J.* 39(3):357-369. Ref. July 1966. 420 K13
From bumble bees.
- 30351 HURLBUTT, H. W. Systematics and biology of the genus *Veigaia* (Acarina: Mesostigmata) from Maryland. *Acarologia* 7(4):598-623. Ref. Oct.1965. 434.8 Ac1
Includes n. spp.
- 30352 JEEKEL, C. A. W. A revision of the Burmese Paradoxosomatidae (Diplopoda, Polydesmida) in the Museo Civico di Storia Naturale at Genoa. I. *Tijdschr. Entomol.* 108(5):95-144, map. Ref. 1965. 421 T21
Includes *Pocockina* n. g.
- 30353 KADZHAYA, G. SH. New genus and species of the family Tyroglyphidae (Acarina, Tyroglyphoidea). (Rus) *Zool. Zh.* 45(6):1257-1259. 1966. 410 R92
Mezorhizoglyphus n. g.
- 30354 KARG, W. The application of systematic-phylogenetic methods in a revision of the Gamasina (Acarina, Parasitiformes). (Ge) *Biol. Zentralbl.* 85(1):86-95. Jan./Feb.1966. 442.8 B523
- 30355 KRAUS, O. Solpugida from Chile (Arachnida). (Ge) *Senckenb. Biol.* 47(3):181-184. June 1, 1966. 410.9 Se5
Includes n. spp. in *Mummucina*.
- 30356 KROPCZYNSKA, D. Studies on mites (Acarina) living on plants in Poland. II. *Acarologia* 7(2):227-234. Apr.1965. 434.8 Ac1
Includes n. spp. in *Typhlodromus* (Phytoseiidae) and *Tarsonemus*, *Steneotarsonemus*, *Tarsonemoides* (Tarsonemidae).
- 30357 LASKA, F. *Hydrachnellae* (Acari) of Silesia. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 15(2):97-141. Ref. 1966. 510 T75
German summary.
Taxonomy and geographic distribution.
- 30358 LASKA, F. Stagnicolous mites (Hydrachnellae, Acari) of Silesia. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 15(1):55-96. 1966. 510 T75
- 30359 LOOMIS, H. F. Millipeds from the region of Monterrey, Mexico. *Kans. Entomol. Soc. J.* 39(3):513-524. July 1966. 420 K13
Includes *Melastolus* n. g. and n. spp. in *Stilbopagus* n. g., *Tetraporosoma* n. g., *Saussurobula*, and *Messicobulus*.
- 30360 MCDANIEL, B. The subfamily *Listrophorinae* Gunther with a description of a new species of the genus *Listrophorus* Pagenstecher from Texas (Acarina, Listrophoridae). *Acarologia* 7(4):704-712. Oct.1965. 434.8 Ac1
Listrophorus klebergi n. sp.
- 30361 PALMGREN, P. Arachnologische Bestandsstudien in dem Koli-Gebiet, Finnland [Arachnological forest stand studies in the Koli area, Finland]. *Soc. Sci. Fenn. Comment. Biol.* 27(1), 21 p. 1964, pub. 1965. 511 H36C
Collecting spiders.

- 30362 PEREZ-INIGO, C. A new species of Carabodes C. L. Koch (Acari, Oribatei) from the Spanish central range of mountains. (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 63(4):351-357. Ref. 1965. 442.9 Sol8
English summary.
- 30363 SCHUSTER, R. O. A new species of Allochthonius from the Pacific Northwest of North America (Acarina: Cheloneithida). Pan-Pacific Entomol. 42(3):172-175. July 1966. 421 P193
Allochthonius incognitus n. sp.
- 30364 SCHUSTER, R. O. New species of Apochthonius from Western North America (Acarina: Cheloneithida). Pan-Pacific Entomol. 42(3):178-183. July 1966. 421 P193
- 30365 SCHUSTER, R. O. New species of Parobisium Chamberlin (Acarina: Cheloneithida). Pan-Pacific Entomol. 42(3):223-228. July 1966. 421 P193
Parobisium hastatus n. sp. and P. hesternus n. sp.
- 30366 SCOTT, H. G. Pest Control's pictorial insect key mites. Pest Contr. 34(12):20-21. Dec. 1966. 449.8 Ex8
- 30367 SILHAVY, V. New Trogulidae from the Kuban area and the Caucasus (Arachnida, Opiliones). (Ge) Senckenb. Biol. 47(2):151-154. Mar. 14, 1966. 410.9 Se5
New spp. in Platybessobius and Dicranolasma.
- 30368 SINGH, K. R. P., and DHANDA, V. Description and keys of immature stages of some species of Indian Hyalomma Koch, 1844 (Ixodoidea, Ixodidae). Acarologia 7(4):636-651. Oct. 1965. 434.8 Ac1
- 30369 SOARES, H. E. M. Dois novos Opiliones da Argentina (Opiliones: Cosmetidae, Gonyleptidae) [Two new Opiliones from Argentina (Cosmetidae, Gonyleptidae)]. Sao Paulo, Dep. Zool. Papeis Avulsos 18:125-128. 1965. 410.9 Sa33
English summary.
Metalibitia tucumana n. sp. and M. oranensis n. sp.
- 30370 SOARES, H. E. M. Opiliones pertencentes a colecao "Eugenio W. Grunman" (Opiliones: Cosmetidae, Gonyleptidae) [Opiliones pertaining to the Eugenio W. Grunman collection (Cosmetidae, Gonyleptidae)]. Sao Paulo, Dep. Zool. Papeis Avulsos 18:117-123. Ref. 1966. 410.9 Sa33
English summary.
Includes n. spp. in Eusarcus.
- 30371 UNZICKER, J. D. A review of the African Minetidae (Arachnida: Araneae) with the description of a new species. Kans. Entomol. Soc. J. 39(3):506-513. July 1966. 420 K13
Includes Ero lawrencei n. sp.
- 30372 VACHON, M. List of scorpions known in Egypt, Arabia, Israel, Lebanon, Syria, Jordan, Turkey, Iraq, Iran. (Fr) Toxicon 4(3): 209-218. Ref. p.216-218. Nov. 1966. 391.8 T66
- 30373 VERCAMMEN-GRANDJEAN, P. H. Iguanacarurus, a new subgenus of chigger mites from nasal fossae of the marine Iguana in the Galapagos Islands, with a revision of the genus Vatacarus Southcott (Acarina, Trombiculidae). Acarologia 7(sup.):266-274, map. Apr. 1965. 434.8 Ac1
Includes n. spp. in Vatacarus (Iguanacarurus) n. gen.
- 30374 VERCAMMEN-GRANDJEAN, P. H., and NAD-CHATRAM, M. New considerations about the genus Riedlinia Oudemans, 1914, reinstatement of the genus Trombigastia Vercammen-Grandjean and Brennan, 1957, erection of a new genus, Bishoplina (Acarina: Trombiculidae). Acarologia 7(sup.):317-324. Apr. 1965. 434.8 Ac1
Includes n. spp. in Riedlinia (Neosomia) n. gen. and Bishoplina n. g.
- 30375 VERCAMMEN-GRANDJEAN, P. H., and WATKINS, S. G. A new genus and species of North American bat chiggers (Acarina: Leeuwenhoeidae). Acarologia 8(1):74-77. Jan. 1966. 434.8 Ac1
Albeckia albecki n. g., n. sp.
- 30376 VERCAMMEN-GRANDJEAN, P. H., WATKINS, S., and DEBLAUWE, C. Revision of Brennaniella Radford, 1954 (Acarina: Leeuwenhoeidae). Acarologia 7(sup.):329-335. Apr. 1965. 434.8 Ac1
Placed as a subgenus of Whartonia.
- 30377 VERCAMMEN-GRANDJEAN, P. H. Revision of the genera: Eltonella Audy, 1956 and Microtrombicula Ewing, 1930, with descriptions of fifty new species and transfer of [Eltonella] subgenus Chiropetella to genus Leptotrombidium (Acarina, Trombiculidae). Acarologia 7(sup.):34-257. Apr. 1965. 434.8 Ac1
Bibliography, p. 125-130.
Includes Eltonella (Traubiella) n. gen.
- 30378 VERCAMMEN-GRANDJEAN, P. H., and AUDY, J. R. Revision of the genus Eutrombicula Ewing 1938 (Acarina: Trombiculidae). Acarologia 7(sup.):280-294. Ref. Apr. 1965. 434.8 Ac1
Includes E. reptilis n. sp.
- 30379 VERCAMMEN-GRANDJEAN, P. N., and WATKINS, S. G. Revision of the subgenus Oenoschoengastia, Womersley and Kohns, 1947 (Acarina: Trombiculidae). Acarologia 7(sup.):312-316. Apr. 1965. 434.8 Ac1
Schoengastia (Oenoschoengastia) cana discussed.
- 30380 VERCAMMEN-GRANDJEAN, P. H., and WATKINS, S. G. Schoutedenichia gigantea and S. tiptoni, two new and extraordinary species from Madagascar (Acarina: Trombiculidae). Acarologia 7(4):683-694. Oct. 1965. 434.8 Ac1
- 30381 VERCAMMEN-GRANDJEAN, P. H., and WATKINS, S. G. Vatacarus (Iguanacarurus) intermedius [n. sp.] a third chigger mite from the nasal fossae of the marine Iguana in the Galapagos Islands (Acarina: Trombiculidae). Acarologia 7(sup.):275-279. Apr. 1965. 434.8 Ac1
- 30382 VERCAMMEN-GRANDJEAN, P. H. Whartonia lepidopteriscuta n. sp., a noteworthy parasite of an African bat (Acarina: Leeuwenhoeidae). Acarologia 7(sup.):325-328. Apr. 1965. 434.8 Ac1
- 30383 VIETS, K. O. Arrenurus concavus Koenike 1893 and related species (Arachnida, Acari, Hydrachnellae). (Ge) Senckenb. Biol. 47(3): 197-210. Ref. June 1, 1966. 410.9 Se5
- 30384 WALLWORK, J. A. A leaf-boring gallmound mite (Acari: Cryptostigmata) from Uruguay. Acarologia 7(4):756-764. Oct. 1965. 434.8 Ac1
Orthogalumna terebrantis n. sp.
- 30385 WILSON, N. New records and a new species of Mesonyssus (Mesostigmata, Rhinonyssidae) from pigeons and doves (Columbiformes, Columbidae). J. Parasitol. 52(6):1210-1213. Dec. 1966. 448.8 J824
Mesonyssus hirtus n. sp.
- 30386 WOOD, T. G. New and redescribed species of Tydeidae (Acari) from moorland soils in Britain. Acarologia 7(4):663-672. Oct. 1965. 434.8 Ac1
New spp. in Coccotydeus, Microtydeus, and Triophydeus.
- 30387 WOOLLEY, T. A. Eutegaeidae, a new family of oribatid mites, with a description of a new species from New Zealand (Acarina: Oribatei). Acarologia 7(2):382-388. Apr. 1965. 434.8 Ac1
Includes Pareutegaeus n. g. and Neseutegaeus spinatus n. g., n. sp.

Coleoptera

- 30388 BERTRAND, H. Aquatic Coleoptera of the Ethiopian region and their biology. (Fr) Entomologiste [Paris] 21(3):35-49. Ref. June 1965. 421 En814
Includes taxonomy.
- 30389 BRAKMAN, P. J., and BERGER, C. J. M. Brief notes on Coleoptera. VII. (Du) Entomol. Ber. 26(3):43-53. Ref. Mar. 1, 1966. 420 N38B
German summary.
Taxonomy and ecology.

- 30390 BREUNING, S. Description of a new species of Lamiinae (Insecta, Coleoptera, Cerambycidae). (Ge) Senckenb. Biol. 47(2):121-122. Mar. 14, 1966. 410.9 Se5
Anapausa longipennis n. sp.
- 30391 BREUNING, S. New Lamiinae from the Musee Royal de l'Afrique Centrale (Coleoptera, Cerambycidae). (Fr) Rev. Zool. Bot. Afr. 74(1/2): 175-183. Sept. 30, 1966. 410 R326
Includes n. spp. in Niphoparmena, Pseudostixis, Parhepomidion, Prosopocera, Bangalaia, Cincinnata, Philomecyna, Sophronica, Obeoropsis, Bixadoides n. g., Paraprotomocerus n. g., Fasciculacmocera, and Pseudereemon n. g.
- 30392 BREUNING, S. VON, and CHUJO, M. Description of a new Planodes species from the Ambon Island (Coleoptera, Cerambycidae, Lamiinae, Mesosini). (Fr) Niponius 2(9):51-52. Jan. 10, 1965. 421 N62
Planodes ambonensis n. sp.
- 30393 BREUNING, S. VON. Revision of the 35th genus of Pteropliini of the Asiatic region (Col., Cerambycidae). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:161-472. 1965. 420 M923
Pterolophia.
- 30394 BUCK, F. D. Prionus coriarius (L.) (Col., Cerambycidae) at light in N.E. Essex. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 2: 34. Sept. 1965. 420 So8
- 30395 BUCK, F. D. Pterostichus angustatus Dufts, and Bembidion geniculatum Herr (redenbacheri K. Daniel) (Col., Carabidae). S. London. Entomol. Natur. Hist. Soc. Proc. Trans. 2:60-61. Sept. 1965. 420 So8
Distribution.
- 30396 CHEMSAK, J. A., and LINSLEY, E. G. The genus Tigrinestola Breuning (Coleoptera: Cerambycidae). Pan-Pacific Entomol. 42(3): 239-243. July 1966. 421 P193
Includes Tigrinestola howdeni n. sp.
- 30397 COBOS, A. Commentary on Anelastes barbarus Lucas and its specific rehabilitation (Col., Eucnemidae). (Sp) Eos 41(1):27-30, map. 421 Eo7
Distribution and taxonomy.
- 30398 DAUGUET, P., and DAUGUET, P. Distribution of a localized species of Coccinellidae. (Fr) Entomologiste [Paris] 21(1/2):26. Apr. 1965. 421 En814
Semiadalia notata.
- 30399 DECELLE, J. Bruchus serratus Ol. 1790, type species of the genus Caryedon Schonherr 1823. (Fr) Rev. Zool. Bot. Afr. 74(1/2):169-174. Ref. Sept. 30, 1966. 410 R326
- 30400 DESCARPENTRIES, A. The 3rd Danish expedition to Central Asia. Zoological results 33. Buprestidae (Insecta) of Afghanistan. Dansk Naturhist. For. Videnskabelige Meddelelser 128:259-264. 1965. 502 D232
Includes n. sp. in Julodella.
- 30401 ERMISCH, K. Mordellistena species from the Canary Islands (Coleoptera, Heteromera); 47th contribution to the study of Mordellidae. (Ge) Entomol. Bl. 61(2):67-73. Oct. 15, 1965. 421 En833
Includes n. spp.
- 30402 ESPANOL, F. Notes on Anobiidae (Coleoptera). (Sp) Eos 41(1):45-58. May 31, 1965. 421 Eo7
Includes Ptilinomorphus (Indanobium) n. g., n. sgen.
- 30403 FENDER, K. M. Three new North American Malthini (Coleoptera: Cantharidae). Pan-Pacific Entomol. 42(3):219-222. July 1966. 421 P193
Malthinis georgiensis n. sp., M. alexanderi n. sp., and Malthodes sanbernadensis n. sp.
- 30404 FRANZ, E. A new Lamiinae from Madagascar (Insecta, Coleoptera, Cerambycidae). (Ge) Senckenb. Biol. 47(2):123-124. Mar. 14, 1966. 410.9 Se5
Apalimnodes granulatus n. g., n. sp.
- 30405 FRANZ, H. A contribution to the soil fauna of the Canary Islands; study of the Coleoptera fauna of Tenerife and Gomera. (Ge) Eos 41(1):59-66. May 31, 1966. 421 Eo7
Includes n. spp. in Stenichnus.
- 30406 FREY, G. Keys to the Isonychus species from Ecuador, Peru and Bolivia (Col., Melolonth.). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16: 112-124. 1965. 420 M923
Includes n. spp.
- 30407 FREY, G. A new genus of Melolonthidae from South Africa. (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:159-160. 1965. 420 M923
Kadecia n. g.
- 30408 FREY, G. New South American Melolonthidae (Col.) (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:143-151. 1965. 420 M923
Includes n. spp. in Dicrania, Liogenys, Phyllophaga, Phyllophaga (Phtyalus) and Ceraspis.
- 30409 GILLERFORS, G. Tachys parvulus Dej. (Col., Carabidae) found in Sweden. (Sw) Opusc. Entomol. 30(3):174. 1965. 421 Op7
English summary.
- 30410 GOUTENOIR, G. Cerambycidae; new insects to be added to the Franche-Comte catalog of Dr. E. Deronde. (Fr) Entomologiste [Paris] 21(3): 49-52. June 1965. 421 En814
- 30411 GRESSITT, J. L. Three new leaf-beetles affecting cacao in New Britain. (Coleoptera: Chrysomelidae). Papua New Guinea Agr. J. 17(4):168-171. Dec. 1965. 23 N453
Rhyparida cacaona n. sp., R. duni, n. sp., and Cleaporus theobromae n. sp.
- 30412 HILDAHI, V., and WONG, H. R. Distribution of the native elm bark beetle Hylurgopinus rufipes (Eichhoff), in Manitoba and Saskatchewan. Entomol. Soc. Manitoba, Proc. 21:36-38, map. 1965. 420 En88
Pest of Ulmus americana.
- 30413 HLISNIKOVSKY, J. A new species of the subgenus Oreosphaerula Ggib., genus Liodes Latr. (Coleoptera, Liodidae). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:139-142. 1965. 420 M923
Liodes (Oreosphaerula) freyi n. sp.
- 30414 HOWDEN, A. T. Airosimus, a new genus of Neotropical Tanymericini (Coleoptera: Curculionidae). Amer. Entomol. Soc. Trans. 92(2): 173-229, map. Ref. June 1966. 420 P53
- 30415 JARRIGE, J. A new species of Quedius from Spain. (Fr) Entomologiste [Paris] 21(1/2):19-20. Apr. 1965. 421 En814
Quedius (Raphirus) constantini n. sp.; Staphylinidae.
- 30416 JOHN, H. A new Aphanoccephalus Wollaston species (Coleoptera, Discolomidae). (Ge) Niponius 2(10):53-55. Mar. 3, 1965. 421 N62
Aphanoccephalus asoanus n. sp.
- 30417 KORGE, H. A contribution to the study of the Brandenburg Coleoptera fauna. XXVIII. (Ge) Deut. Entomol. Ges. Mitt. 24(2):33-38. May 31, 1965. 420 D482
Taxonomy and distribution.
- 30418 LANE, F. Novos generos e especies de Anisocerini. II. (Coleoptera, Lamidae). New genera and species of Anisocerini. II. (Coleoptera, Lamidae). Sao Paulo. Dep. Zool. Papeis Avulsos 15:238-243. 1966. 410.9 Sa63
English summary.
New spp. in Hoplistocerus, Taurolema, Scorpionus, Chimboicola n. g., and Coriocia n. g.
- 30419 LELEUP, N. La faune entomologique cryptique de l'Afrique intertropicale [Cryptic entomological fauna of intertropical Africa]. Mus. Roy. Afr. Cent. Ann. Sci. Zool. 141:186 p., map. 1965. 515 M97A
Bibliography p.177-186.
Chiefly Coleoptera, in soils.
- 30420 LINNMAN, N. The beetle fauna from Karlso. (Sw) Opusc. Entomol. 30(3):183-210. 1965. 421 Op7
English summary.
Taxonomy.
- 30421 MACHATSCHKE, J. W. Cyrtolophus descarpentriesi Lebis 1961 and Adoretus tewfikii Pic 1939, two erroneously classified Melolonthidae (Coleoptera, Lamellicornia). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:106-111. 1965. 420 M923
The first is identical with Toxophyllus descarpentriesi and the second with Rhynchipta (Pararhynchipta) rostrata.

- 30422 MACHATSCHKE, J. W. A new *Clipadoretus* from Persia and some critical observations on the genus *Clipadoretus* Ohaus (Coleoptera, Lamellicornia, Melolonthidae, Rutelinae, Adoretini). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:131-138. 1965. 420 M923
Clipadoretus dentatus n. sp.
- 30423 MACHATSCHKE, J. W. Two new *Cestradoretus* species from the Ethiopian region (Coleoptera, Lamellicornia, Melolonthidae, Rutelinae, Orthochilidae, Adoretini). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:152-158. 1965. 420 M923
Cestradoretus freyi n. sp. and *C. minusculus* n. sp.
- 30424 MARCUZZI, G. New forms of Coleoptera Tenebrionidae from the Bahamas. (It) Munich. Mus. G. Frey. Entomol. Arb. 16:125-130. 1965. 420 M923
Includes n. spp. in *Diastolinus*.
- 30425 MARTINEZ, A. New species of Trizogeniatus (Coleoptera, Scarabaeidae, Rutelinae, Geniatini). (Sp) Soc. Cient. Argent. An. 179(1/2):33-16. Jan./Feb. 1965. 516 Sol
- 30426 MARTINS, U. R., and CHEMSAK, J. A. Synopsis of the Known Mexican Ibiidionini (Coleoptera: Cerambycidae). Kans. Entomol. Soc. J. 39(3):454-467. July 1966. 420 K13
- 30427 MORRIS, M. G. Notes on the classification of some groups of weevils (Col., Curculionidae). S. London Entomol. Natur. Hist. Soc. Proc. Trans. 2:31-34. Sept. 1965. 420 S08
- 30428 NONVEILLER, G. Monograph on the genus *Miltotrogus* (Col. Melolonth.). (Ge) Munich. Mus. G. Frey. Entomol. Arb. 16:5-105, map. Ref. 1965. 420 M923
Includes n. spp.
- 30429 NUNBERG, M. Notes on the Crossotarsini and particularly on the genus *Doliopygus* Sched. (Coleoptera, Platypodidae). (Ge) Rev. Zool. Bot. Afr. 74(1/2):184-199. Ref. Sept. 30, 1966. 410 R326
Includes *D.* (*Mesopygus*) n. sgen., *D.* (*Mixopygus*) n. sgen., *D.* (*Pygodiolus*) n. sgen., *D.* (*Scutopygus*) n. sgen., and n. spp. in *Doliopygus*.
- 30430 PAWLOWSKI, J., and SZUJECKI, A. Beetles new to the fauna of Babia Gora Mt. (Coleoptera). II. Staphylinidae. (Pol) Fragmenta Faunistica 12(22):373-384, map. Ref. Mar. 25, 1966. 410.9 W26F
English summary.
- 30431 PREVETT, P. F. A new genus and species of Pachymerinae (Coleoptera: Bruchidae) from South America. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(5/6):81-83. July 8, 1966. 420 L84Pb
Pachymeroides bridwelli n. g., n. sp.
- 30432 PUTHZ, V. A contribution to the study of *Stenus* spp. VI. Nomenclatorial, systematic and faunistic observations on the Palearctic spp. of *Stenus* (Col., Staphylinidae). (Ge) Deut. Entomol. Ges. Mitt. 24(2):25-30. May 31, 1965. 420 D482
- 30433 PUTHZ, V. Remarks on the group *Stenus circularis* Grav. with some new descriptions (Coleoptera, Staphylinidae); 9th contribution to the study of *Steninae*. (Ge) Entomol. Bl. 61(2):74-84, map. Oct. 15, 1965. 421 En833
Includes *Stenus* (*Nestus*) *hypocameratus* n. sp.
- 30434 RABILL, J. Coleoptera of Gresigne (Tarn). (Fr) Entomologiste [Paris] 21(1/2):16-18. Apr. 1965. 421 En814
Collecting.
- 30435 REICHLE, D. E. Some pselaphid beetles with Boreal affinities and their distribution along the postglacial fringe. Syst. Zool. 15(4):330-344, map. Ref. Dec. 1966. 410 Sy8
- 30436 RUSPOLI, M. Two journeys to Greece and Anatolia in search of carabids. (Fr) Entomologiste [Paris] 21(1/2):5-15, map. Apr. 1965. 421 En814
Carabus and *Cycharus*.
- 30437 SMETANA, A. Systematic and faunistic contributions to the knowledge of the staphylinid fauna of Czechoslovakia (Col., Staphylinidae). VI. 73d contribution to the knowledge of the Staphylinidae. (Ge) Czech. Acad. Sci. Acta Entomol. Bohemoslov. 65(4):322-336. Ref. July 20, 1966. 420 C33
- 30438 SPANGLER, P. J. A new species of *Derovatellus* from Guatemala and a description of its larva (Coleoptera: Dytiscidae). Coleopt. Bull. 20(1):11-18. Mar. 1966. 421 C674
Derovatellus ibarrii.
- 30439 STEEL, W. O. The genus *Tetradelus* Fauvel (Coleoptera: Staphylinidae). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(5/6):78-80. July 8, 1966. 420 L84Pb
- 30440 STEINHAUSEN, W. Supplements to the leaf beetle fauna of the Ibiza Island (Col., Chrys.). (Ge) Deut. Entomol. Ges. Mitt. 24(2):31-33. May 31, 1965. 420 D482
Taxonomy.
- 30441 TEOCCHI, P. Notes on collecting and various observations. (Fr) Entomologiste [Paris] 21(1/2):25. Apr. 1965. 421 En814
Coleoptera.
- 30442 TEOCCHI, T. Notes on collecting and various observations. (Fr) Entomologiste [Paris] 21(3):52. June 1965. 421 En814
Coleoptera.
- 30443 VILLIERS, A. *Rhamnusium bicolor* et *Rhamnusium gracilicorne* (Col. Cerambycidae). Entomologiste [Paris] 21(3):31-34. June 1965. 421 En814
Text in French.
Taxonomy.
- 30444 WITTMER, W. A contribution to the study of Palearctic Malacodermata (Col., XXIX. (Ge) Schweiz. Entomol. Ges. Mitt. 38(1/2):82-87. July 15, 1965. 420 Sw6
Includes n. spp. in *Malothodes*, *Malachius*, *Hedybius* and *Flabellohedybius*.
- 30445 WITTMER, W. Does the genus *Collops* Er. (Col., Malachiidae) occur in the Palearctic region? 31st contribution to the study of Palearctic Malacodermata. (Ge) Schweiz. Entomol. Ges. Mitt. 38(1/2):142-144. July 15, 1965. 420 Sw6
Includes n. spp. in *Troglocollops* n. g.
- 30446 WOOD, S. L. New synonymy in the Platypodidae and Scolytidae (Coleoptera). Great Basin Natur. 26(1/2):17-33. Sept. 15, 1966. 410 G79
- 30447 WOODRUFF, R. E. The hunting billbug, *Sphenophorus venatus vestitus* Chittenden, in Florida (Coleoptera: Curculionidae). Fla. Dep. Agr. Div. Plant Indus. Tri-ology Tech. Rep. 5(2):16-17, map. Feb. 1966. 423.9 F6622

Diptera

- 30448 ALEXANDER, C. P. New or little-known species of exotic Tipulidae (Diptera). XIII. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(5/6):65-71. July 8, 1966. 420 L84Pb
Includes n. spp. in *Pedicia* (*Tricryphona*) and *Dicranota* (*Rhaphidolabis*).
- 30449 ALEXANDER, C. P. Records and descriptions of Tipulidae from South America (Diptera). Sao Paulo. Dep. Zool. Papéis Avulsos 18:221-229. 1966. 410.3 S-33
Includes n. spp. in *Austrolimnophila*, *Polymera*, *Atarba*, *Hexatoma*, *Toxorhina*.
- 30450 BARRETTO, M. P. Estudos sobre flebotomíneos americanos. I. Notas sobre espécies de *Lutzomyia* Franca, subgenero *Psychodopygus* Mangabeira, 1941, com a descrição de uma nova espécie (Diptera, Psychodidae) [Studies of American phlebotomines. I. Notes on the species of *Lutzomyia* Franca, subgenus *Psychodopygus* Mangabeira, 1941, with description of a new species (Diptera, Psychodidae)]. Sao Paulo. Dep. Zool. Papéis Avulsos 18:133-146. Ref. 1966. 410.9 Sa63
English summary.
Lutzomyia fairchildi n. sp.
- 30451 CAMRAS, S. Diptera from Nepal: Conopidae from Nepal and the Oriental region. Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):431-434. 1966. 420 B773
Includes n. spp. in *Physocophala*, *Thecophora*, and *Microbrachycera*.

- COLLESS, D. H. Insects of Micronesia, Diptera: Mycetophilidae. Bernice P. Bishop Mus. Insects Micronesia 12(6):637-667. Ref. 1966. 422.9 B54
Includes n. spp. in Keroplatus, Orfelia, Neomertheria, Lela, Manota, Ecechia, Allodia, Phronia, Epicrypta, and Aspidionia n. g.
- COLLIN, J. E. Pegohylemyia danica sp. n. (Diptera, Anthomyiidae). Entomol. Medd. 30 (2):199-200. 1965. 421 En82
Text in English.
- GUIMARAES, J. H., and PAPAVERO, N. A contribution to the knowledge of the Neotropical Rhinotoridae (Diptera, Acalyptratae). Sao Paulo, Dep. Zool. Papeis Avulsos 18:261-269. Ref. 1966. 410.9 Sa53
Includes n. spp. in Neorhinotora and in Rhinotora.
- HARDY, D. E. Diptera from Nepal: Pipunculidae (Dorilaidae). Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):439-449. 1966. 420 B773
Includes n. spp. in Pipunculus (Eudorylas) and Pipunculus (Pipunculus).
- HERTING, B. Diptera from Nepal: a new species of Rhinophoridae. Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):451. 1966. 420 B773
Rhinomorinia longifacies n. sp.
- KESSEL, E. L. Diptera from Nepal: new species of Platyepeza and Callomyia (family Platyepezidae). Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):453-455. 1966. 420 B773
Platyepeza nepalensis n. sp. and Callomyia coei n. sp.
- KESSEL, E. L. A new species of flat-footed flies from Southwestern United States (Diptera: Platyepezidae). Wasmann J. Biol. 24(1):91-96. Spring 1966. 442.8 W28
Protoclythia maggioncaldai n. sp.
- KESSEL, E. L. Seri, a new genus of Platyepezidae from North America (Diptera). Wasmann J. Biol. 24(1):97-100. Spring 1966. 442.8 W28
- KESSEL, E. L., and KESSEL, B. B. Some new species of Platyepezidae from Southwestern United States and Mexico (Diptera). Wasmann J. Biol. 24(1):117-129. Spring 1966. 442.8 W28
Includes n. spp. in Platyepeza and Protoclythia.
- KESSEL, E. L., and KESSEL, B. B. Symmetriella in North America, and the description of a new species (Diptera: Platyepezidae). Wasmann J. Biol. 24(1):131-135. Spring 1966. 442.8 W28
Symmetriella mogollonensis n. sp.
- LYNEBORG, L. On Muscidae and Anthomyiidae (Diptera) from Iceland with descriptions of two new species. Opusc. Entomol. 30(3): 211-226. Ref. 1965. 421 Op7
Limnophora islandica n. sp. and Hydrophoria aliena n. sp.
- MARTIN, C. H. The genus Townsendia Williston in Mexico (Diptera: Asilidae). Kans. Entomol. Soc. J. 39(3):542-551. July 1966. 420 K13
Includes n. spp.
- MARTIN, C. H. New Asilidae from Mexico in the genera Ictia and Sphageus (Diptera). Pan-Pacific Entomol. 42(3):212-218. July 1966. 421 P193
- NARTSHUK, E. P. Reduction and loss of wings in Chloropidae (Diptera). (Rus) Zool. Zh. 45 (6):1187-1195. Ref. 1966. 410 R92
English summary.
Includes Lasiosia pedestris n. sp.
- NIELSEN, B. O. Studies on the Danish Psychodidae (Diptera: Nematoceera). II. Natur. Jutlandica 12:149-161. 1966. 410 N293
Includes n. spp. in Pericoma and Telmatoscopus.
- PARMENTER, L. Diptera in the vicinity of Buckingham Palace. S. London, Entomol. Natur. Hist. Soc. Proc. Trans. 2:61. Sept. 1965. 420 So8
Taxonomy.
- PARMENTER, L. Notes on the distribution of Phoridae (Diptera) in Britain. S. London, Entomol. Natur. Hist. Soc. Proc. Trans. 2:35-42. Sept. 1965. 420 So8
- PETERS, T. M., and COOK, E. F. The Nearctic Dixidae (Diptera). Entomol. Soc. Amer. Misc. Publ. 5(5):231-278. Dec. 1966. 420 En82M
Includes n. spp. in Dixia and Dixella.
- PETERSON, B. V. Lectotype designation for Simulium vittatum Zetterstedt (Dipt. Simuliidae). Opusc. Entomol. 30(3):231-233. 1965. 421 Op7
- PRADO, A. P. DO. Contribution to the knowledge of the family Richardiidae. I. The genus "Cladiscophleps" Enderlein, 1912 (Diptera, Acalyptratae). (Por) Rev. Brasil. Biol. 25(4): 405-410. Dec. 1965. 442.8 R326
Includes C. lopesti n. sp.
- ROHDENDORF, B. B. Diptera from Nepal: Sarcophagidae. Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):457-464. 1966. 420 B773
Includes Boettherisca (Coeisca) n. sgen. and n. spp. in Robineauella (Jantiella), Miltogramma (Miltogramma), Senotainia (Sphixapata), Nepalometopia n. g., and Nepalisca n. g.
- SMEED, L. A revision of the subfamily Leptocnopininae Noe (Diptera, Ceratopogonidae) in Australasia. Australian J. Zool. 14(5):993-1025. Ref. Nov. 1966. 410 Au73
Includes n. spp. in Leptocnops and in Stylocnops.
- STELTER, H., and BUHR, H. Studies of gall midges. XI. Inulomyia subterranea (Frauenfeld, 1861) Stelter n. g., Contarinia inulicola Stelter n. sp., with references to some calls on Inula species by unidentified gall midges. (Ge) Marcellia 32(2):89-110. Ref. June 1965. 421 M33
- STUCKENBERG, B. R. A new genus and species of Rhagionidae from southern Brazil (Diptera). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(5/6):57-60. July 8, 1966. 420 L84Pb
Xeritha plaumannii n. g., n. sp.
- VANSCHUYTBROECK, P. Dolichopodidae of the Ivory Coast, Megistostylus decellei n. sp. (Fr) Rev. Zool. Bot. Afr. 74(1/2):200-204. Sept. 30, 1966. 410 R326
- VELTMAN, A. Some catches of Syrphidae in the years 1960-1965. (Du) Entomol. Ber. 26 (4):72-74. Apr. 1, 1966. 420 N38B
English summary.
Netherlands.

Hemiptera (Heteroptera and Homoptera)

- AIZENBERG, E. E. Taxonomy of the group Myza (Aphidinea, Homoptera). (Rus) Vses. Entomol. Obsch. Tr. 51:133-156. Ref. 1966. 420 R92
Includes Ovatophorodon n. g. and Neomyzodes n. g.
- BEARDSLEY, J. W. Insects of Micronesia, Homoptera: Coccoidea. Bernice P. Bishop Mus. Insects Micronesia 6(7):377-562. Ref. 1966. 422.9 B54
Includes Pandaniola n. g., Turbinococcus n. g., and n. spp. in Drosicha, Palauococcus n. g., Palmiculator, Pseudococcus, Rhizococcus, Trionymus, Paralecanium, Africonidia, Anatomoderma n. g., Odonaspis, Lepidosaphes, and Palauaspis n. g.
- BECK, D. E., and ALLRED, D. M. Tingidae, Neididae (Berytidae) and Pentatomidae of the Nevada Test Site. Great Basin Natur. 26(1/2): 9-16, map. Sept. 15, 1966. 410 G79
- COBBEN, R. H., and POLHEMUS, J. T. African Saldidae in the Snow Entomological Museum (Hemiptera). Kans. Entomol. Soc. J. 39(3): 382-396. July 1966. 420 K13
Includes Saldula waltoni n. sp. and S. montana n. sp. in the Kansas Museum.
- FENNAH, R. G. A brachypterous cercopid from the Ruwenzori range, representing a new genus and species (Homoptera: Cercopidae). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(5/6):72-74. July 8, 1966. 420 L84Pb
Lamprochlamys erato n. g., n. sp.

- 30483 GOMEZ-MENOR ORTEGA, J. Additions to the Coccidae of Spain. VI. Species of the genus *Evallaspis* with their geographic distribution on the peninsula and in the Balearic Islands (Homoptera). (Sp) *Eos* 41(1):87-114. May 31, 1965. 421 Eo7
Includes n. sp. in *Cajalecanium* n. g.
- 30494 GREATHHEAD, D. J. A taxonomic study of the species of *Antestiopsis* (Hemiptera, Pentatomidae) associated with *Coffea arabica* in Africa. *Bull. Entomol. Res.* 56(3):515-554, map. Ref. June 1966. 421 B87
Includes n. spp.
- 30495 GYLLENSVARD, N. A new new or rare Swedish Hemiptera. III. (Sw) *Opusc. Entomol.* 30 (3):227-230. 1965. 421 Op7
English summary.
- 30496 JACZEWSKI, T. Comment on the proposals relating to Miris and Miridae (Insecta, Hemiptera). *Z. N. (S.)* 1090. *Bull. Zool. Nomencl.* 23(4):131-132. Oct. 14, 1966. 410 B874
- 30497 KUMAR, R. Studies on the biology, immature stages, and relative growth of some Australian bugs of the superfamily Coreoidea (Hemiptera, Heteroptera). *Australian J. Zool.* 14(5):895-991. Ref. Nov. 1966. 410 Au73
Includes n. spp. in *Hyoccephalus*.
- 30498 LAUCK, D. R. A new species of *Sigara* from California (Corixidae, Hemiptera). *Pan-Pacific Entomol.* 42(3):168-172. July 1966. 421 P193
Sigara vallis n. sp.
- 30499 LELIAKOVA-DUSKOVA, F. The scale insects (Coccoidea) living on Salicales in Czechoslovakia. (Ge) *Z. Angew. Entomol.* 57(3):294-309. Ref. May 1966. 421 Z36
English summary.
Includes taxonomy.
- 30490 LENT, H., and JURBERG, J. The genus "Psammolestes" Bergroth, 1911, with a study of the genitalia of the species (Hemiptera, Reduviidae, Triatominae). (Port. Rev. Brasil. Biol. 25(4):349-376. Ref. Dec. 1965. 442.8 R326
Includes *P. tertius* n. sp.
- 30491 MUNTING, J. Lac insects (Homoptera; Lacciferidae) from South Africa. II. Rev. Zool. Bot. Afr. 74(1/2):121-134. Sept. 30, 1966. 410 R326
Includes n. spp. in *Tachardina*.
- 30492 PINTERA, A. Revision of the genus *Cinara* Curt. (Aphidoidea, Iachnidae) in central Europe. *Czech. Acad. Sci. Acta Entomol. Bohemoslov.* 63(4):281-321. Ref. July 20, 1966. 420 C33
Includes *Cinara pasheki* n. sp.
- 30493 ROBINSON, A. G., and BRADLEY, G. A. A preliminary list of the aphids of Manitoba. *Entomol. Soc. Manitoba. Proc.* 21:39-45. 1965. 420 En8
Includes list of food plants.
- 30494 SZELEGIEWICZ, H. *Aphis berterae* sp.n. (Homoptera, Aphididae). *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(8):545-551. 1966. 512 W262
Text in German.
- 30495 TAKAGI, S., and KAWAI, S. Some Diaspididae of Japan (Homoptera: Coccoidea). *Insecta Matsumurana* 28(2):93-119. Mar. 1966. 421 In77
Includes n. spp. in *Parlatoria*, *Parlatoropsis*, *Lepidosaphes*, *Andaspis*, *Cynodontaspis*, *Kuwanaspis*, *Phenacaspis*, *Aulacaspis*, *Clavaspidotus* n. g., *Abgrallaspis*, *Acanthaspidotus*, and *Japaspidotus* n. g.
- 30496 TAKAHASHI, R. Myzus of Japan (Aphididae). *Mushi* 38(9):43-78. Apr. 20, 1965. 421 M97
Includes n. spp. in *Myzus* (Tubaphis) and *Myzus*.
- 30497 TAKAHASHI, R. Some new and little-known Aphididae from Japan (Homoptera). *Insecta Matsumurana* 28(1):19-61. Aug. 1965. 421 In77
Includes n. spp. in *Eumyzus*, *Galiaphis*, *Micromyzus*, *Netoxoptera*, *Metaphorodon*, *Ovatus*, *Vesiculaphis*, *Cavariella*, and *Semiaphis*.
- 30498 VILLIERS, A. Revision of the Afrotropical Reduviidae. I. Oncocephalinae: genera *Watsa* Sch., *Staccia* Stal., and *Tsawa* n. g. (Fr) *Rev. Zool. Bot. Afr.* 74(1/2):135-154. Sept. 30, 1966. 410 R326
Includes n. spp. in *Watsa* and *Staccia*.
- 30499 WAGNER, E. Addendum to the Byrsinus complex (Hem., Het., Cyndidae). (Ge) *Deut. Entomol. Ges. Mitt.* 24(3):48-51. July 31, 1965. 420 D482
Taxonomy.
- 30500 WAGNER, E. The genus *Atomoscelis* Reuter, 1875 and its relatives in the Palearctic region (Hem., Het., Miridae). (Ge) *Notulae Entomol.* 45(3):74-92. Ref. 1965. 421 N84
Includes *Chamaepsallus* n. g., *Tarajala* n. g., and n. sp. in *Atomoscelis*.
- 30501 WAGNER, E. On the synonymy of the genus *Emblethis* Fieber, 1860 (Hem., Het., Lygaeidae). (Ge) *Deut. Entomol. Ges. Mitt.* 24(3):52-54. July 31, 1965. 420 D482

Hymenoptera

- 30502 ALLEN, H. W. A revision of the Tiphinae (Hymenoptera: Tiphidae) of Eastern North America. *Amer. Entomol. Soc. Trans.* 92(2): 231-356, map. Ref. June 1966. 420 P53
Includes n. spp. in *Tiphia*.
- 30503 BAKKENDORF, O. *Perilampidae*, *Eupelmidae*, *Encyrtidae* (Hym. Chalcidoidea) from the Hansted Reservation, with description of new species. *Entomol. Medd.* 30(2):105-187. 1965. 421 En82
Bibliography, p. 167-176.
Includes n. spp. in *Copidosoma*, *Litomastix*, *Metaphycus*, *Microterys* and the following: n. g.g.: *Concentroleira* and *Mercetia*.
- 30504 BEAUMONT, J. DE. *Sphecidae* of Greece (Hym.). (Fr) *Schweiz. Entomol. Ges. Mitt.* 38 (1/2):1-65, map. Ref. July 15, 1965. 420 Sw6
Chiefly taxonomy.
- 30505 BUGBEE, R. E. A new species of the genus *Eurytoma* Illiger parasitic on bees of the genus *Ceratina* Latreille (Hymenoptera: Eurytomidae and Apoidea). *Pan-Pacific Entomol.* 42(3):210-211. July 1966. 421 P193
Eurytoma apicalis n. sp.
- 30506 CASAL, O. H. *Darditilla*, a new Neotropical genus of *Sphaerothalpininae* (Hym., Mutillidae). (Sp) *Eos* 41(1):9-18. May 31, 1965. 421 Eo7
- 30507 CEBALLOS, G. Two interesting *Onchioninae* of the Spanish fauna (Hym., Ichneumonidae). (Sp) *Eos* 41(1):19-25. May 31, 1965. 421 Eo7
Hellwigia elegans and *Eugnomus manni*; taxonomy.
- 30508 ELFVING, R. *Bombus semenovii* Skor. (Hym., Apoidea) found in Finland. (Ge) *Notulae Entomol.* 45(3):101-104. 1965. 421 N64
- 30509 FAESTER, K. *Hymenoptera Aculeata* from the Hansted Reservation. (Da) *Entomol. Medd.* 30(2):169-197. 1965. 421 En82
Taxonomy.
- 30510 FRANCOEUR, A., and BEIQUE, R. A genus of *Formicidae* (Hymenoptera) new to Quebec. (Fr) *Natur. Can.* 93(4):439. July/Aug. 1966. 410 N216
Myrmecina americana.
- 30511 GUIGLIA, D. Observations on the systematic position of some *Meria* and keys for the determination of species of the Palearctic region (Hym., Tiphidae). (It) *Schweiz. Entomol. Ges. Mitt.* 38(1/2):106-119. Ref. July 15, 1965. 420 Sw6
- 30512 HELLEN, W. Die *Ceraphroniden* Finnlands [The Ceraphronidae of Finland] Hymenoptera: Proctotrupoidea. *Soc. Fauna Flora Fenn. Fauna Fenn.* 20:45 p. map. Ref. 1966. 511 Sol
Includes n. spp. in *Lygocerus*, *Conostigmus*, and *Aphanogmus*.
- 30513 HOED, G. DEN. Contributions to the study of the Ichneumonidae (Hym.). VII. (Du) *Entomol. Ber.* 26(4):74-76. Apr. 1, 1966. 420 N38B
English summary.
The genus *Barichneumon* (s. l.) in the Netherlands.
- 30514 ISHIKAWA, R. A preliminary revision of the Japanese species of the genus *Dipogon* Fox. I. (Hymenoptera, Pompilidae). *Mushi* 38(11):87-100. Apr. 20, 1965. 421 M97
Includes n. spp. in *Nipponodipogon* n. sgen., *Myrmecodipogon* n. sgen., and *Stigmatodipogon* n. sgen.

- 30515 JUNCO Y REYES, J. J. DEL. Hymenopterological notes. IV. (Hym., Pompilidae). (Sp) Eos 41(1):115-134. May 31, 1965. 421 Eo7
Includes n. spp. in Atenioides (Ridestus), Atenioides (Atenioides), Tachyagetes and Ctenostegus (Ctenostegoides) n. sgen.
- 30516 PARKER, F. D. A review of the genus Xenosphex Williams with biological notes (Hymenoptera: Sphecidae). Pan-Pacific Entomol. 42(3): 190-195. July 1966. 421 P193
Includes Xenosphex boharti n. sp.
- 30517 SHARPLIN, J. An annotated list of the Formicidae (Hymenoptera) of central and southern Alberta. Quaestiones Entomol. 2(3):243-253, map. Ref. July 1966. 421 Q2
- 30518 SNELLING, R. R. The taxonomy and nomenclature of some North American bees of the genus Centris with descriptions of new species (Hymenoptera; Anthophoridae). Los Angeles County Mus. Contrib. Sci. 112, 33 p. Oct. 27, 1966. 500 L893
- 30519 STRITT, W. A small collection of Hymenoptera from South Tyrol. (Ge) Entomol. Z. 75 (14):153-157. July 15, 1965. 421 En85
- 30520 SZABO, J. B. Ecologic, ethologic, zoogeographic and taxonomic study of Palearctic Gyroninae (Hymenoptera, Proctotrupidae), Scelionidae. (Ge) Acta Zool. [Budapest] 12 (3/4):419-449. Ref. 1966. 410 Ac85
Includes n. spp. in Hadronotellus, Hadronotus, Pannongryon n. g., Sundholmia n. g., Masneria n. g., and Hungarogryon n. g.
- 30521 SZABO, J. B. Ecological, ethological and taxonomical studies of the Palearctic Teleasinae (Hymenoptera, Scelionidae). (Ge) Rovartani Közlemenyek (n.s.) 19(1/19):9-108. Ref. 1966. 420 So12
Includes n. spp. in Trimorus, Scutelligryon n. g., and Niteogryon n. g.
- 30522 VECHT, J. VAN DER. Notes on some Oriental Philanthus species (Hymenoptera, Sphecidae). Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(4):420-431. 1966. 442.9 Am8
- 30523 VEGTER, K. Odynerus (Symmorphus) fuscipes H.-Sch. in the Netherlands (Hymenoptera, Eumeninae). (Du) Entomol. Ber. 26(4):61-63. Apr. 1, 1966. 420 N38B
German summary.
- 30524 WATANABE, C. Notes on the Apanteles flavipes complex (Hymenoptera, Braconidae). Mushi 38(13):111-116. Ref. Apr. 20, 1965. 421 M97
Includes Apanteles chilonis and A. sesamiae; taxonomy.
- 30525 WIEBES, J. T. The structure of the ovipositing organs as a tribal character in the Indo-Australian Sycophaginae Torymidae (Hymenoptera, Chalcidoidea). Leiden. Rijksmus. Natuur. Hist. Zool. Mededel. 41(9):151-159. Ref. Apr. 20, 1966. 410.9 L59
- 30526 WOLF, H. New spider wasps (Hym., Pompilidae) from Switzerland and from the zoological museum in Lausanne. (Ge) Schweiz. Entomol. Ges. Mitt. 38(1/2):88-105. July 15, 1965. 420 Sw6
Includes n. spp. in Pompilus and Anoplius.
- Lepidoptera
- 30527 BRADLEY, J. D. A comparative study of the coconut flat moth (Agonoxena arguola Meyr.) and its allies, including a new species (Lepidoptera, Agonoxenidae). Bull. Entomol. Res. 56(3):453-472. Ref. June 1966. 421 B87
Agonoxena phoenicia n. sp.
- 30528 HEYDEMANN, F. Melanargia galathea f. hades Reiss is identical with the f. nigrita Schroder (Lep., Satyridae). (Ge) Entomol. Z. 75(15): 175-176. Aug. 1, 1965. 421 En85
- 30529 HEYDEMANN, F. On the occurrence of Euphrasie subrosea Stephens in Westphalia (Lep., Noctuidae). (Ge) Entomol. Z. 75(14):165-168. July 15, 1965. 421 En85
- 30530 KENNARD, A. Argolamprotes micella Schiff. (Lep. Gelechiidae) taken in Britain. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 2:42. Sept. 1965. 420 So8
Taxonomy.
- 30531 KIRIAKOFF, S. G. De rupsen; systematiek, levensmilieu en voedsel [Caterpillars; systematics, habitat and nutrition]. II. Ned. Natuurhist. Ver. Wetensch. Mededel. 58, 39 p. May 1965. 410.9 N28
English summary.
- 30532 KOSTYUK, YU. A. Leaf rollers (Lepidoptera, Tortricidae) in the Crimea. (Rus) Zool. Zh. 45(8):1175-1186. Ref. 1966. 410 R92
English summary.
- 30533 LEMPEKE, B. J. Notes on the genus Autographa Hubner, subgenus Chrysaspidia Hubner (Lep., Noctuidae). Entomol. Ber. 26(4):64-71. Apr. 1, 1966. 420 N38B
Includes A. gracilis n. sp.
- 30534 MAASSEN, A. W. P. Euphyia luctuata Schiff. (Lep., Geom.). Entomol. Ber. 26(4):71. Apr. 1, 1966. 420 N38B
Text in Dutch.
- 30535 STAMM, K. Apamea illyria and Boarmia maculata bastelbergeri in the Rhineland (Lep.). (Ge) Entomol. Z. 75(14):157-161, map. July 15, 1965. 421 En85
- 30536 TEMPLADO, J., and ORTIZ, E. Morphological and cytogenetic data on Dicranura iberica n. sp. (Lepidoptera, Notodontidae). (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 64(1): 47-56. 1966. 442.9 So18
English summary.
- Orthoptera
- 30537 DIRSH, V. M. Preliminary note for the revision of the genus Schistocerca Stal, 1873 (Orth. Acridoidea). Eos 41(1):31-43. May 31, 1965. 421 Eo7
- 30538 PRINCIS, K. A small contribution to the study of Blattidae and their distribution (Orthoptera). VIII. (Ge) Eos 41(1):135-156. Ref. May 31, 1965. 421 Eo7
Includes n. spp. in Euthlastoblatta, Macrocerca, Lophoblatta, Alsteinia, Symploce, Moluchia, Euloboptera, Onychostylus and the following n. gg.: Lobodromia, Aruistris, Aphlebiella and Leptothrocera.
- 30539 VICKERY, V. R. Factors governing the distribution and dispersal of the recently introduced grasshopper, Metrioptera roosei (Hgb.) (Orthoptera: Ensifera). Entomol. Soc. Quebec. Ann. 10(3):165-171, map. Sept. 1965. 420 En822
- Smaller Orders
- 30540 BELLE, J. Additional notes on some dragonflies of the genus Zonophora. In Geijskes, D. C., and Hummelinck, P. W., ed. Studies on the fauna of Suriname and other Guyanas, v. 8, p. 61-64. 1966. 411.2 G272
- 30541 BELLE, J. Surinam dragon-flies of the Agrionomus complex of genera. In Geijskes, D. C., and Hummelinck, P. W., ed. Studies on the fauna of Suriname and other Guyanas, v. 8, p. 29-60. 1966. 411.2 G272
Includes n. spp. in Ischnomomphus.
- 30542 BELYSHEV, B. F. History of the origin of the Chinese and Kamchatka disjunctive ranges of the Anax junius Drury (Odonata, Insecta). (Rus) Zool. Zh. 45(8):1159-1163, map. Ref. 1966. 410 R92
Migration from America to Asia.
- 30543 BRINDLE, A. Dermaptera from central and east Africa. Rev. Zool. Bot. Afr. 74(1/2):29-49. Sept. 30, 1966. 410 R326
Includes n. spp. in Diplatys, Brachylabis, Anechura, and Archidux.
- 30544 BRINDLE, A. Notes on Dermaptera in the Hamburg Museum. Zool. Staatsinst. Zool. Mus. Entomol. Mitt. 56(3):5-19. Ref. 1966. 421 H17

INSECT CONTROL

- 30545 DAVIES, R. G. The male of *Hemimerus vicinus* Rehn & Rehn (Dermaptera: Hemimeridae), with notes on the structure of the aedeagus. Roy. Entomol. Soc. London, Proc. Ser. B, Taxonom. 35(5/6):61-64. Ref. July 8, 1966. 420 L84Pb
- 30546 DEMOULIN, G. Contribution to the study of the Euthyplociidae. III. (Insecta, Ephemeroptera). (Fr.) Leiden, Rijksmus. Natuur. Hist. Zool. Mededel. 41(7):137-141. Apr. 20, 1966. 410.9 L39
- 30547 DENNING, D. G. New and interesting Trichoptera. Pan-Pacific Entomol. 42(3):228-238. July 1966. 421 P193
Includes n. spp. in *Sortosa*, *Tinodes*, *Homopectra*, *Neothremma*, *Limmephilus*, *Athripsodes*, and *Helicopsyche*.
- 30548 JEWETT, S. G. Notes on *Arcynopteryx* (*Oroperla*) *barbara* (Needham) (Plecoptera). Pan-Pacific Entomol. 42(3):175-177. July 1966. 421 P193
Description of adult male.
- 30549 JEWETT, S. G. Some species of *Capnia* from Western North America (Plecoptera). Wasmann J. Biol. 24(1):101-108. Ref. Spring 1966. 442.8 W28
Includes *Capnia pileata* n. sp. and *Capnia scobina* n. sp.
- 30550 LEWIS, R. E. The fleas (Siphonaptera) of Egypt; new records. J. Parasitol. 52(6):1167-1171. Ref. Dec. 1966. 448.8 J824
- 30551 MEINANDER, M. Coniopterygidae (Neuroptera) from the Sudan. Notulae Entomol. 45(3):65-72. Ref. 1965. 421 N84
Includes n. spp. in *Nimboa*, *Coniopteryx* and *Semidalis*.
- 30552 MOCKFORD, E. L. The genus *Caecilius* (Psoptera: Caeciliidae). II. Revision of the species groups, and the North American species of the fasciatus, confluent, and africans groups. Amer. Entomol. Soc. Trans. 92(2):133-172. Ref. June 1966. 420 P53
Includes n. spp.
- 30553 NIELSEN, B. O. The general chemical sense of the earwig (*Forficula auricularia* L.) (Dermaptera). Natur. Jutlandica 12:182-190. Ref. 1966. 410 N2193
- 30554 PACKER, J. S. A preliminary study of the mayflies of Honduras. Ceiba 12(1):1-10. July 1966. 475 C32
- 30555 PETERS, W. L., and WARREN, L. O. Seasonal distribution of adult Ephemeroptera in northwestern Arkansas. Kans. Entomol. Soc. J. 39(3):396-401. Ref. July 1966. 420 K13
- 30556 PRICE, R. D., and EMERSON, K. C. New synonymies within the bird lice (Mallophaga). Kans. Entomol. Soc. J. 39(3):430-433. July 1966. 420 K13
- 30557 PUISSEGUR, C. The presence of *Ascalaphus ottomanus* Germ. in the Basses-Alpes (Planip., Ascalaphidae). (Fr.) Entomologiste [Paris] 21(3):34-35. June 1965. 421 En814
- 30558 SCHMID, F. Apropos of the Palearctic zone limits in the Himalayas, or Limmophilinae in India (Trichoptera). (Fr.) Acta Zool. [Budapest] 12(3/4):363-369. 1966. 410 Ac85
Includes n. spp. in *Limmophilus* and *Asynarchus*.
- 30559 SCHMIDT, E. Discovery of the last larval exuviae of *Nehalennia speciosa* (Charpentier) (Odonata, Zygoptera). (Ge) Entomol. Z. 75(15):169-172. Aug. 1, 1965. 421 En85
- 30560 ST. QUENTIN, D. The development and reduction of the pterostigma in Odonata. (Ge) Hamburg. Zool. Staatsinst. Zool. Mus. Entomol. Mitt. 56(3):21-24. 1966. 421 H17
- 30561 TUFF, D. W. Notes on *Euclopocephalus femorale* (Mallophaga: Menoponidae). Kans. Entomol. Soc. J. 39(3):379-382. July 1966. 420 K13
First published record of the genus from North America.
- 30562 WILLIAMS, R. M. C. The East African termites of the genus *Cubitermes* (Isoptera: Termitidae). Roy. Entomol. Soc. London, Trans. 118(4):73-118, map. Ref. July 8, 1966. 420 L84
Includes n. spp.
- 30563 ABEL, K., LANNEAU, K., and STEVENS, R. K. Response characteristics of a new "stacked" flame ionization detector. Ass. Offic. Anal. Chem. J. 49(5):1022-1027. Oct. 1966. 381 As7
Gas chromatography of organic phosphorus insecticides.
- 30564 ALAM, S. M. Some important factors for entomophagous insects to control insect pests. Mushri 38(10):79-85. Ref. Apr. 20, 1965. 421 M97
- 30565 BARTLEY, W. J., and others. Synthesis of C14-labeled 2-methyl-2-(methylthio)propionaldehyde O-(methyl-carbamoyl)oxime. J. Agr. Food Chem. 14(6):604-607. Ref. Nov./Dec. 1966. 381 J8223
D. L. Heywood, T. E. N. Steele, and W. J. Skrab, joint authors.
- 30566 BASSON, N. C. J. How dangerous are insecticides in the ground? Farming S. Afr. 42(7):65-66. Oct. 1966. 24 S842
Chiefly chlorinated hydrocarbons and the effects of soil type and temperature on decomposition.
- 30567 BINGHAM, M. G. Termites in dam walls. Rhodesia Agr. J. 63(4):89-92. July/Aug. 1966. 24 R34
- 30568 BOWMAN, M. C., and BEROZA, M. Gas chromatographic determination of trace amounts of the insect chemosterilants tepa, metepa, methiotepa, hempa, and apholate and the analysis of tepa in insect tissue. Ass. Offic. Anal. Chem. J. 49(5):1046-1052. Oct. 1966. 381 As7
For monitoring amounts in treated insects; Spodoptera frugiperda used as test insect.
- 30569 BURKE, J. A., MILLS, P. A., and BOSTWICK, D. C. Experiments with evaporation of solutions of chlorinated pesticides. Ass. Offic. Anal. Chem. J. 49(5):999-1003. Oct. 1966. 381 As7
- 30570 CHAMPION, E. Safe and effective use of insecticides. Baker's Dig. 40(6):70-75. Dec. 1966. 389.8 S11
- 30571 CHEYMOL, J., and GOYER, R. Contribution to the pharmacology of some sulfur derivatives of trisubstituted orthophosphoric acid. I. Determination of their anticholinesterase properties in vitro. (Fr) Rev. Can. Biol. 25(1):41-48. Mar. 1966. 442.8 R325
English summary.
Organic phosphorus insecticides.
- 30572 DAMICO, J. N. The mass spectra of some organophosphorus pesticide compounds. Ass. Offic. Anal. Chem. J. 49(5):1027-1045. Ref. Oct. 1966. 381 As7
- 30573 DECKER, G. C. Significance of pesticide residues: practical factors in persistence. III. Natur. Hist. Surv. Div. Biol. Notes 56, 8 p. Ref. Mar. 1966. 442.9 L62
Vaporization.
- 30574 DUDLEY, R. F., and RIDGWAY, R. L. Applicator for precision replacement of chemicals in soil. U. S. Agr. Res. Serv. ARS-42-123, 8 p. Oct. 1966. A58.9 R31
Texas Agricultural Experiment Station, co-operating.
Application of systemic insecticides to soil.
- 30575 FRASER, G. R. The pesticide manufacturer's views on integrated control of pests. Entomol. Soc. Manitoba, Proc. 21:28-32. 1965. 420 En88
- 30576 GAUFIN, A. R., and others. The toxicity of ten organic insecticides to various aquatic invertebrates. Water Sewage Works 112(7):276-279. July 1965. 290.8 M92
L. D. Jensen, A. V. Nebeker, T. Nelson, and R. W. Teel, joint authors.
Includes caddisflies, stoneflies, and mayflies.
- 30577 GODANICH, A. The unequal struggle (man faced with nature). (Il) Turin. Accad. Agr. Ann. 107:1-12. 1964/65. 16 T63
Biological control of insects.

- 30578 HENLY, R. S., KRUPPA, R. F., and SUPINA, W. R. Mixed-phase silicone packing for pesticide analysis by gas chromatography. *J. Agr. Food Chem.* 14(6):667-668. Nov./Dec.1966. 381 J8223
Chlorinated insecticides.
- 30579 HEUSER, S. G., and SCUDAMORE, K. A. A rapid method for sampling dichlorvos vapour in air. *Chem. Indus.* 50:2093-2094. Dec.10, 1966. 382 M31C
- 30580 INQUINZA, S., M. A. DE. Considerations on economic entomology. (Sp) *Vida Agr. [Lima]* 43(512/513):717-718, 720-721, 723-724, 726, 728-729, 731-732. 1966. 9.8 V66
- 30581 JOHNSTONE, D. R., and HILL, R. F. An experimental reaction-driven rotary sprayer for helicopter operation. Great Brit. Colon. Office. Trop. Pesticides Res. Unit. TPRU/Porton/Rep. 305.7 p. Jan.1966. 423.92 G798C
For insect control.
- 30582 JONES, G. D. G., and HEAD, S. W. The manufacture of pyrethrum powder from pyrethrum flowers. I-II. *Pyrethrum Post* 8(1):11-12, 14-17. Ref. Apr.1965. 421 D99
I. Principles of manufacture; II. Stabilisation of the active constituents.
- 30583 METCALF, R. L., and others. Mode of action of carbamate synergists. *J. Agr. Food Chem.* 14(6):555-562. Ref. Nov./Dec.1966. 381 J8223
T. R. Fukuto, C. Wilkinson, M. H. Fahmy, S. A. El-Aziz, and E. R. Metcalf, joint authors.
- 30584 MOORE, J. B. New repellents. *Aerosol Age* 11(12):63, 65, 161. Dec.1966. 309.8 Ae8
Insect repellents included.
- 30585 MULLINS, J. A., and BENNETT, S. E. Ground equipment for spraying ultra-low volumes of insecticides. *Tenn. Farm Home Sci. Progr. Rep.* 58:14-16. Apr./June 1966. 100 T25F
- 30586 PAYNE, W. R., and COX, W. S. Micro-infrared analysis of dieldrin, endrin, and other chlorinated pesticide residues in complex substrates. *Ass. Offic. Anal. Chem. J.* 49(5):989-996. Ref. Oct.1966. 381 As7
- 30587 PENDLETON, I. R., and MORRISON, R. B. Separation of the spores and crystals of *Bacillus thuringiensis*. *Nature [London]* 212(5063):728-729. Nov.12, 1966. 472 N21
- 30588 PRADHAN, S. Entomological problems and research in India. *Entomol. Soc. Manitoba. Proc.* 21:4-9. 1965. 420 En88
Chiefly integrated control of insect pests.
- 30589 SALA, R. Biological control. (Sp) *Vida Agr. [Lima]* 42(504/505):552-554. Nov./Dec.1965. 9.8 V66
Insects.
- 30590 SESHADRI, T. R. Shanti Swarup Bhatnagar lecture, 1964. Selective plant insecticides; a study of rotenoids. *Nat. Inst. Sci. India. Proc.* 31(6,pt.A):603-618. Nov.1965. 513 N212
Rotenone.
- 30591 SUNDBY, R. Nature protection problems in connection with chemical control. (No) *Norsk Natur* 1(3):66-69. Sept.1965. S900.N6
Insect pest control.
- 30592 THOMS, A. Insecticide odours and their removal. *Agr. Vet. Chem.* 7(3):59-60. May/June 1966. 382 Ag82
- 30593 TOTH, A. Dry or wet dusting. (Hu) *Magyar Mezogazdasag* 21(48):14. Nov.30, 1966. 19 M27
Insecticide application methods.
- 30594 TOTH, Z., and VAMOS, F. Forecasting soil inhabiting insects. (Hu) *Magyar Mezogazdasag* 21(47):15. Nov.23, 1966. 19 M27
Pests.
- 30595 TYIHAK, E. Thin-layer chromatography of pyrethrins. (Hu) *Herba Hung.* 5(2/3):306-313. Ref. 1966. 71.8 H413
German summary.
Insecticidal constituent of *Chrysanthemum cinerariaefolium*.
- 30596 VASHKOV, V. I. Forms of application of insecticides. 48 p. July 7, 1966. (JPRS 36,354; TT 66-32786) Transl. 16154
Translation from *Insektitsidy i ikh Primenenie v Meditsinskoi Praktike* Ch. 11:221-225. 1965.
CFSTI: \$2.00
- 30597 WATTERS, F. I. Physical methods of insect control. *Entomol. Soc. Manitoba. Proc.* 21:18-27. Ref. 1965. 420 En88
- 30598 YAUGER, W. L., ADDISON, L. M., and STEVENS, R. K. Response characteristics of a new high temperature electron capture detector. *Ass. Offic. Anal. Chem. J.* 49(5):1053-1057. Oct.1966. 381 As7
Chromatography of insecticide residues.
- 30599 ZECH, R., ENGELHARD, H., and ERDMANN, W. D. Reactions of pyridinium oximes with the alkyl phosphate dimethoate and its derivatives; effects upon cholinesterase. (Ge) *Biochim. Biophys. Acta* 128(2):363-371. Ref. Nov.15, 1966. 381 B522
English summary.

Pests of Animals and Man

- 30600 AMERSON, A. B. *Ornithodoros capensis* (Acarina, Argasidae) infesting sooty tern (*Sterna fuscata*) nasal cavities. *J. Parasitol.* 52(6):1220-1221. Dec.1966. 448.8 J824
- 30601 BAKER, J. A. F., and THOMPSON, G. E. Supona (chlorfenvinphos) for cattle tick control. I. Hand-spraying trials. *S. Afr. Vet. Med. Ass. J.* 37(3):367-372. Ref. Sept.1966. 41.8 So8
- 30602 BALLARINI, G. First appearance of biocenois between Lepus europaeus and Psoroptes cuniculi. (It) *Clin. Vet.* 89(8):249-252. Aug. 1966. 41.8 C61
English summary.
A case of ear mange.
- 30603 BASACA-SEVILLA, V., and HALSTEAD, S. B. Recent virological studies of haemorrhagic fever and other arthropod-borne virus infections in the Philippines. *J. Trop. Med. Hyg.* 69(9):203-208, map. Ref. Sept.1966. 448.8 J827
Mosquitoes.
- 30604 BASSON, P. A. Gedeolstia myiasis in antelopes of Southern Africa. Onderstepoort. *J. Vet. Res.* 33(1):77-91. June 1966. 41.8 On1
Caused by *Gedeolstia hassleri* and *G. cristata*.
- 30605 BRIDGES, W. R., and COPE, O. B. The relative toxicities of similar formulations of pyrethrum and rotenone to fish and immature stoneflies. *Pyrethrum Post* 8(1):3-5. Apr.1965. 421 P99
Pteronarcys californica.
- 30606 BROOKS, G. T., and HARRISON, A. Metabolism of aldrin and dihydroaldrin by houseflies (*M. domestica* L.) in vivo and by housefly and pig liver microsomes. *Life Sci.* 5(24):2315-2320. Ref. Dec.1966. 442.8 L62
- 30607 BULLEN, Z., and KOTZ, J. Mass poisoning of pigeons with the phosphororganic insecticide "Metasystox." (Pol) *Med. Weter.* 22(5):294-295. May 1966. 41.8 M463
English summary.
- 30608 BUTTICKER, W., and WHELLAN, J. A. Records of eye-frequenting moths [Arcyophora spp.] from Rhodesia. *Rhodesia Agr. J.* 63(2):24-27, map. Ref. Mar./Apr.1966. 24 R34
Livestock.
- 30609 CHAN, K., and MORRISON, F. O. A technique for comparing the effectiveness of insecticidal paints. *Entomol. Soc. Quebec. Ann.* 10(3):125-127. Sept.1965. 420 En822
Houseflies and cockroaches.
- 30610 CHAUDHURI, R. P., KUMAR, P., and KHAN, M. H. Role of stable fly, *Stomoxys calcitrans*, in the transmission of surra in India. *Indian J. Vet. Sci. Anim. Husb.* 36(1):18-28. Ref. Mar.1966. 41.8 In22
- 30611 CLIFFORD, C. M., and WALKER, J. B. Host and distribution records for several species of the genus *Ixodes* (Acarina: Ixodidae) that occur in East Africa. *Rev. Zool. Bot. Afr.* 74(1/2):155-168, map. Ref. Sept.30, 1966. 410 R326
Parasitizing wild and domestic animals.
- 30612 COURA, J. R. Contribution to the study of Chagas' disease in Guanabara State. (Por) *Rev. Brasil. Malariol. Doencas Trop.* 18(1):9-98. Jan./Mar.1966. 448.8 R3283
English summary.
Bibliography, p.84-98.
Rhodnius prolixus as vector.

- 30613 DELAK, M., and MIJATOVIC, I. The application of Neguvon in the control of equine gastro-philosis. *I. Vet. Arh.* 36(7/8):222-227. Ref. 1966. 41.8 V6416
Caused by *Gastrophilus intestinalis*.
- 30614 DICKERSON, C. W., and THOMPSON, P. E. Effects of Mel W against *Litomosoides carinii* in Mongolian gerbils. *J. Parasitol.* 52(6):1217-1218. Dec. 1966. 448.8 J824
Transmitted by *Bdellonyssus batioti*.
- 30615 DINGLE, J. H. P. Routine determination of carbaryl in dipping fluids and deposits on cattle hair. *Ass. Offic. Anal. Chem. J.* 49(5):986-989. Oct. 1966. 381 As7
- 30616 DISNEY, R. H. L. A trap for phlebotomine sandflies attracted to rats. *Bull. Entomol. Res.* 56(3):445-451. June 1966. 421 B87
- 30617 ELBL, A., RAHM, U. H., and MATHYS, G. Mammals and their ticks in Ruggege Forest (Rwanda). (Fr) *Acta Trop.* 23(3):223-263, map. Ref. 1966. 475 Ac9
English summary.
Partially introduced by livestock.
- 30618 ERWA, H. H. Enteric fever in the Sudan. *J. Trop. Med. Hyg.* 69(9):197-201. Sept. 1966. 448.8 J827
Caused by *Salmonella* and transmitted by *Musca domestica*.
- 30619 GALICHET, P. F. Prevention of reproduction of "*Musca domestica*" in feces by feeding with a heat-stable toxin from "*Bacillus thuringiensis*" Berliner. (Fr) *Ann. Zootech.* 15(2):135-145. Ref. 1966. 49 F84
English summary.
Given to calves and piglets.
- 30620 GILLET, J. W., CHAN, T. M., and TERRIERE, L. C. Interactions between DDT and microsomal epoxidase systems. *J. Agr. Food Chem.* 14(6):540-545. Ref. Nov./Dec. 1966. 381 J8223
From rats.
- 30621 GRATAMA, S. Onchocerciasis in the southeast-ern territories of Liberia; with studies on the role of *Onchocerca volvulus* and *Wuchereria bancrofti* in the pathogenesis of hydrocele and elephantiasis. *Acta Leidensia* 35, 167 p. 1966. 448.9 L59
Bibliography, p. 127-135.
Includes Simulium as vector and its control.
- 30622 HADAWAY, A. B., and BARLOW, F. Relationships between some physical properties of insecticides and their intrinsic and contact toxicities to adult mosquitoes (*Anopheles stephensi* List.). *Bull. Entomol. Res.* 56(3):569-579. June 1966. 421 B87
- 30623 HAMBRICK, G. W., and EVEN-PAZ, Z. Cutaneous leishmaniasis encountered in Philadelphia. *JAMA (J. Amer. Med. Ass.)* 198(9):965-969. Ref. Nov. 28, 1966. 448.9 Am37
Phlebotomus as vector of *Leishmania brasiliensis* and *L. tropica*.
- 30624 HUBBERT, W. T., and others. Public health potential of sylvatic plague. *Amer. Vet. Med. Ass. J.* 149(12):1651-1654, map. Dec. 15, 1966. 41.8 Am3
M. I. Goldenberg, L. Kartman, and F. M. Prince, joint authors.
Pasteurella pestis infection transmitted by rodents and fleas.
- 30625 JEZEK, P. Tick-borne encephalitis in the Brno surroundings. I. The evaluation of some epidemiological data. (Cz) *Cesk. Epidemiol. Mikrobiol. Imunol.* 15(4):247-252. Ref. July 1966. 448.8 C332
English summary.
- 30626 JOOSTE, K. F. Seasonal incidence of the immature stages of the brown ear tick (*Rhipicephalus appendiculatus*). *Rhodesia Agr. J.* 63(1):16-18. Jan./Feb. 1966. 24 R34
Chiefly pest of cattle.
- 30627 JOOSTE, K. F. A two-year study of the seasonal occurrence of adult ticks [Ixodidae] on a herd of Red Poll cows. *Rhodesia Agr. J.* 63(4):97-99. Ref. July/Aug. 1966. 24 R34
- 30628 KNAAK, J. B., TALLANT, M. J., and SULLIVAN, L. J. The metabolism of 2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl)oxime in the rat. *J. Agr. Food Chem.* 14(6):573-578. Ref. Nov./Dec. 1966. 381 J8223
Proposed trade name Temik.
- 30629 KUNZ, R. Where do we stand today with fly control? (Ge) *Grune* 94(36):1082-1085. July 29, 1966. 17 Sch9
Chemical control of *Musca domestica* in Switzerland.
- 30630 KUTZER, E. Experiment in warble fly larvae control with the phosphoric acid ester Warbox injection in advanced pregnancy of animals. (Ge) *Wien. Tierarztl. Monatsschr.* 53(10):675-677. Oct. 1966. 41.8 T345
English summary.
Hypoderma bovis control in cattle.
- 30631 LABUNETZ, N. F., PETROV, P. A., and YUNDIN, E. V. Quantitative evaluation of some elements of plague epizootics by modelling in populations of field voles in the Javakhet Armenian highland. (Rus) *Zool. Zh.* 45(6):1241-1246. 1966. 410 R92
English summary.
Ctenophthalmus wladimiri and disease.
- 30632 LOMBARDEO, O. J. A case of accidental hyperparasitism. (Sp) *Gac. Vet.* 27(179):258-259. June 1965. 41.8 G112
Larvae of *Gasterophilus nasalis* found on a horse tapeworm.
- 30633 MAILLOT, L. Tsetse flies and vegetation; use of selective clearing and of insecticides. (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.) 19(3):415-421. Ref. 1966. 41.8 R3262
English summary.
In Africa.
- 30634 MALYUSHINA, E. P., PHELKINA, A. A., and ZHMAJEVA, Z. M. Viral properties of *Ixodes persulcatus* P. Sch. in the focus of tick-borne encephalitis in the Tumen District. (Rus) *Zool. Zh.* 45(6):1259-1260. 1966. 410 R92
English summary.
- 30635 MATSON, B. A. Epizootiology and control of the tick borne diseases of cattle in Rhodesia. *Rhodesia Agr. J.* 63(5):118-122, map. Ref. Sept./Oct. 1966. 24 R34
- 30636 MAZZOLENI, R. Sheep myiasis by *Oestrus ovis*. (It) *Veterinaria [Milano]* 14(4):355-360. July/Aug. 1965. 41.8 V6499
- 30637 MCINTOCK, J., and others. Ecological factors in the 1963 outbreaks of western encephalitis in Saskatchewan. *Can. J. Public Health* 57(12):561-575, map. Ref. Dec. 1966. 449.8 P964
A. N. Burton, H. Dillenberg, and J. G. Rempe, joint authors.
Weather effects on mosquitoes, possible vectors.
- 30638 MOREL, P. C. Survey on the ticks of cattle in Guadeloupe and Martinique. I. The ticks and their distribution (*Acarix-Ixodidae*). (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.) 19(3):307-321, map. Ref. 1966. 41.8 R3262
English summary.
- 30639 NELSON, V. A. Latest distribution data for the United States, pinpointing brown dog ticks. *Pest Control* 34(12):18. map. Dec. 1966. 449.8 Ex8
Rhipicephalus sanguineus.
- 30640 NELZINA, E. N. Summer burrows of ground-squirrels and their role in the formation of microbiocoenoses. (Rus) *Zool. Zh.* 45(6):1235-1240. Ref. 1966. 410 R92
English summary.
Includes arthropods as pests.
- 30641 NUALLAIN, T. O. Psoroptic acariasis or sheep scab; a review. *Irish Vet. J. (n.s.)* 20(10):187-193. Ref. Oct. 1966. 41.8 Ir4
Caused by the mite *Psoroptes communis* ovis.
- 30642 PFADT, R. E., and ROBB, T. R. Control livestock pests. *Wyo. Agr. Exp. Sta. Bull.* 327R, 44 p. Ref. June 1966. 100 W99
Chemical control of pests and parasites.
- 30643 PRINGLE, G. A quantitative study of naturally-acquired malaria infections in *Anopheles gambiae* and *Anopheles funestus* in a highly malarious area of East Africa. *Roy. Soc. Trop. Med. Hyg. Trans.* 60(5):626-632. 1966. 448.9 R813
Transmitting *Plasmodium falciparum* and *P. malariae*.

- 30644 RAU, U. R. External warmth as an inducement for host attachment of *Hyalomma marginatum* isaaci. Does external warmth induce host attachment in ixodid ticks? *Acarologia* 7(4): 652-653, Oct. 1965. 434.8 Ac1
Rabbits as host.
- 30645 REID, J. F. S., and LAUDER, I. M. Demodectic mange in cattle. *Vet. Rec.* 79(17):482-483, Oct. 22, 1966. 41.8 V641
In Britain; caused by various mites.
- 30646 REIFF, B. Factors influencing the testing of chemicals and effluents for toxicity to fish. *Inst. Anim. Tech. J.* 17(3):116-121, Ref. Sept. 1966. QL55.15
Reprinted from *Journal of Science and Technology*.
Insecticides.
- 30647 SERVICE, M. W. The replacement of *Culex nebulosus* Theo. by *Culex pipiens fatigans* Wied (Diptera, Culicidae) in towns in Nigeria. *Bull. Entomol. Res.* 56(3):407-415, Ref. June 1966. 421 B87
Extremely sensitive to DDT.
- 30648 SHAW, M. W. Non-parasitic mites causing death of guinea-fowl chicks. *Nature* 212(5064): 844-845, Nov. 19, 1966. 472 N21
Mites occurring beneath the loft containing baled hay.
- 30649 SHAW, R. D. Culture of an organophosphorus resistant strain of *Boophilus microplus* (Can.) and an assessment of its resistance spectrum. *Bull. Entomol. Res.* 56(3):389-405, Ref. June 1966. 421 B87
Calves as hosts.
- 30650 SHOEMAKER, J. P., and JOY, S. J. *Trombicula fitchi* (Loomis, 1954) in West Virginia. *J. Parasitol.* 52(6):1198, Dec. 1966. 448.8 J824
Parasitizing squirrels.
- 30651 SINCLAIR, A. N. A guide to control parasites and skin diseases of sheep. Ed. 2. Sydney, Sunbeam, 1965. 56 p. SF968.85
Pests and insecticides, p. 4-25.
- 30652 SLADE, D. A. Toxicity of spray materials and the use of protective clothing. Orchardist New Zealand 39(8):296, 299, 301, 303-304, Sept. 1966. 80 Or19
Insecticides and fungicides.
- 30653 SOKOL, J., and others. Tests with hypodermis in control of *Hypoderma bovis* in some regions of eastern Slovakia. (Cz) *Veterinarní* 16(7):312-315, 1966. 41.8 V6439
V. Augustinsky, T. Slopovsky, R. Sabol, V. Dallos, and H. Keller, joint authors.
A trichlorfon emulsion.
- 30654 SPILLER, D. Effects of DDT on oxygen consumption of *Rhodnius prolixus* Stal. *Bull. Entomol. Res.* 56(3):555-567, Ref. June 1966. 421 B87
- 30655 SYMPOSIUM ON PESTICIDE INTERACTION PHENOMENA. [Selected papers]. *J. Agr. Food Chem.* 14(6):540-565, Ref. Nov./Dec. 1966. 381 J8223
Chairman, J. C. Street.
Insecticidal synergism tested in rats and mice.
- 30656 THOMPSON, G. A. Jefferson County combines larviciding with herbiciding in its anti-skeeter campaign. *Pest Contr.* 34(12):34-36, Dec. 1966. 449.8 Ex8
Texas.
- 30657 TINSLEY, I. J. Nutritional interactions in dieldrin toxicity. *J. Agr. Food Chem.* 14(6): 563-565, Ref. Nov./Dec. 1966. 381 J8223
Tests on rats.
- 30658 TRECE, R. E., and MILLER, T. A. Fly control in Ohio barns. *Ohio Agr. Res. Develop. Center. Res. Circ.* 148, 8 p., map, Oct. 1966. 100 Oh3R
Chemical control of *Musca domestica* and *Stomoxys calcitrans*, in dairy barns.
- 30659 TRIOLO, A. J., and COON, J. M. Toxicologic interactions of chlorinated hydrocarbon and organophosphate insecticides. *J. Agr. Food Chem.* 14(6):549-555, Ref. Nov./Dec. 1966. 381 J8223
Effects of aldrin, dieldrin and chlordane on toxicity of parathion to mice.
- 30660 TUOMI, J., and BONSDORFF, C. H. VON. Electron microscopy of tick-borne fever agent in bovine and ovine phagocytizing leukocytes. *J. Bacteriol.* 92(5):1478-1492, Ref. Nov. 1966. 448.3 J82
Ixodes ricinus as vector.
- 30661 VERHULST, H. L., and CROTTY, J. J. Survey of most frequently named products in ingestion accidents. *Amer. Pharm. Ass. J.* NS7(1):31-32, 35-36, Jan. 1967. 396.9 Am33Jo
Insecticides included.
- 30662 WALTON, G. A., and KENNEDY, R. C. Tick-borne encephalitis virus in southern Ireland. *Brit. Vet. J.* 122(10):427-434, map, Oct. 1966. 41.8 V643
In sheep and cattle.
- 30663 WILLETT, K. C. Development of the peritrophic membrane in *Glossina* (setse flies) and its relation to infection with trypanosomes. *Exp. Parasitol.* 18(2):290-295, Ref. Apr. 1966. 436.8 Ex7
- 30664 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON ONCHOCERCIASIS. Second report. World Health Organ. Tech. Rep. Ser. 335, 96 p., map, Ref. 1966. 449.9 W892T
Includes Simulium as vector and its chemical control.
- 30665 ZDARSKA, Z. The development cycle of the trematode *Plagiorchis laticola* Skrjabin, 1924. (Ge) *Cesk. Společnost Zool. Vestník* 30(2): 179-184, Ref. 1966. 410.9 C33
Culex pipiens and *Aedes aegypti* as hosts.

Pests of Plants

- 30666 CALIFORNIA. DEPT. OF AGRICULTURE. BUR. OF ENTOMOLOGY. Estimated damage and crop loss caused by insect/mite pests, 1964. *Calif. Bur. Entomol. Plant Quar. Mem.* E-82-7, 13 p., May 21, 1965. 423.9 C125
- 30667 EKHOLOM, S. The occurrence of insect pests in Finland in 1965. (Sw) *Tidskr. Lantman. Andelsfolk* 2:53-55, Jan. 31, 1966. 20 T43
English summary.
Plant pests.
- 30668 GIANNOTTI, O., ORLANDO, A., and DUZZI, D. Fundamental information on the agricultural pests of the Sao Paulo state and their control. (Por) *Biologico* 31(1):231-273, Ref. Nov. 1966. 442.8 B529
Chiefly control with insecticides.
- 30669 GRUSSENDORF, O. W. The role of soil in integrated control of pests. *Entomol. Soc. Manitoba. Proc.* 21:46-48, 1965. 420 En88
Effects of organic gardening on insect plant pests.
- 30670 LEWIS, A. V., and GELDART, F. R. Dichlorvos, a volatile, non-persistent insecticide for use in edible and non-edible crops. *Agr. Vet. Chem.* 7(3):55-57, May/June 1966. 382 Ag82
- 30671 LOI, G. I Tipulid (Dipt.) dannosi all' agricoltura [The Tipulidae injurious to agriculture]. *Osserv. Mal. Piante. Sez. Entomol. Circ.* 5, 25 p., map, Ref. 1965. QL461.08
Plant pests.
- 30672 LOSCHIAVO, S. R. Problems with pesticides: the possible utilization of feeding behavior in an integrated approach to insect control. *Entomol. Soc. Manitoba. Proc.* 21:10-17, Ref. 1965. 420 En88
- 30673 METCALF, R. L., and others. Metabolism of 2-methyl-2-(methylthio)-propionaldehyde O-(methylcarbamoyl)oxime in plant and insect [*Musca domestica*]. *J. Agr. Food Chem.* 14(6):579-584, Nov./Dec. 1966. 381 J8223
T. R. Fukuto, C. Collins, K. Borck, J. Burk, H. T. Reynolds, and M. F. Osman, joint authors.
Temik.
- 30674 NAGY, E., and PRENNER, J. Follow-up study on the cockchafer control of 1966 in the comitat Vas. (Hu) *Magyar Mezőgazdaság* 21(48):13-14, Nov. 30, 1966. 19 M27
Evaluation of various control methods on *Melolontha* spp.

- 30675 PADILLA, R. C. Brief history of the use of natural enemies in the control of agricultural pests in Mexico. (Sp) *Fitofilo* 18(45):5-10. Ref. Jan./Mar. 1965. 421 F55
Chiefly insect predators in biological control of insect pests.
- 30676 PATWA, N. Factors influencing the toxicity of aqueous formulations of pyrethrum against an aphid, *Macrosiphum euphorbiae* (Thomas). *Pyrethrum Post* 8(1):6-7, 19. Apr. 1965. 421 P99
- 30677 SCHAEFFERS, G. A. Aphid proverb: don't bite the plant that feeds you. *Agrichem. West* 9(11):5-6. Nov. 1966. 381 Ag85
Aphid mouthparts and transmission of plant viruses.
- 30678 SHIVASTAVA, R. D., and others Relative efficacy of different insecticides as stomach poisons to hoppers of the desert locust. *Indian J. Entomol.* 27(3):297-303. Ref. Sept. 1965. 420 In23
B. H. Mogal, A. H. Shah, and M. P. Shah. Joint authors.
Schistocerca gregaria.
- 30679 U. S.-JAPAN JOINT CONFERENCE ON ARTHROPOD-BORNE PLANT VIRUSES, TOKYO, 1965. [Report] by K. Maramorosh and P. Oman. *BioScience* 16(9):608-610. Sept. 1966. 500 Am322A
- 30680 ZENDEJAS, A. R. Mechanism of transmission of virus diseases by insects. (Sp) *Fito-filo* 18(45):29-48. Ref. Jan./Mar. 1965. 421 F55
Plant pests.
- Forest Pests
- 30681 ADLUNG, K. G. A critical evaluation of the European research on use of red wood ants (*Formica rufa* group) for the protection of forests against harmful insects. *Z. Angew. Entomol.* 57(2):167-189. Ref. Mar. 1966. 421 Z36
- 30682 BARANOWSKI, R. M. The royal palm bug, *Xylastodoris luteolus* Barber (Hemiptera: Thaumastocoridae). Fla. Dep. Agr. Div. Plant Indus. Tri-ology Tech. Rep. 5(3):14. Mar. 1966. 423.9 F6622
As pest of *Roystonea regia* in Cuba and Florida.
- 30683 BARLOW, A. R. The relationship between respiration and scolytid beetle activity. *Great Brit. Forest. Comm. Forest Rec.* 57,7 p. Ref. 1966. 99.9 G795Fo
Pinus susceptibility studies.
- 30684 BEVAN, D. Forest entomology. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:65-66. 1966. 99.9 G795Re
Pests.
- 30685 BEVAN, D. Pine looper moth, *Bupalus piniarius*. *Great Brit. Forest. Comm. Leaflet* 32, rev., 12 p. 1966. 99.9 G795L
Includes control.
- 30686 BURNS, R. M. Tip moths in the sandhills. *Forest Farmer* 26(1):12, 14. Oct. 1966. 99.9 F7692
Effect on sand. shortleaf and loblolly pines.
- 30687 BUTCHER, J. W., and others. Fall and spring insecticide treatments for control of Zimmerman pine moth [*Dorycteria zimmermani*] on Christmas trees. *Mich. Agr. Exp. Sta. Quart. Bull.* 49(1):111-115. Aug. 1966. 100 M58S
R. B. Carlson, J. Maki, and S. Ilnitzky, joint authors.
Pest of Scotch (*Pinus sylvestris*) and Austrian (*P. nigra*) pines.
- 30688 BUTCHER, J. W., and others. Some effects of insecticide volume on European pine shoot moth [*Rhyacionia buoliana*] control. *Mich. Agr. Exp. Sta. Quart. Bull.* 49(1):103-110. Aug. 1966. 100 M58S
R. B. Carlson, J. Maki, and S. Ilnitzky, joint authors.
- 30689 CROOKE, M. Studies on tit and pine looper populations at Culbin Forest, Morayshire. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:190-200. Ref. 1966. 99.9 G795Re
Bupalus piniarius and *Parus* spp.
- 30690 KAILIDES, D. S. Microbiological control of *Thaumetopoea pityocampa* with *Bacillus thuringiensis* Berl. and its chemical control by air during the year 1965. (Gre) *Dassika Chron.* 8(96):445-452. Oct. 1966. 99.8 D263
English summary.
Chiefly pine pests.
- 30691 MINKEVICH, I. I. Role of *Mesosa myops* Dalm. in the spreading of infectious dieback of oak stands. (Rus) *Les. Zh.* 2:21-23. Ref. 1965. 99.8 Iz8
As carrier of *Ophiostoma roboris*.
- 30692 MORGAN, J. E., and HICKIN, N. E. An assessment of the health of operators concerned with the conservation of wood in buildings in Great Britain. *Inst. Wood Sci. J.* 17:27-37. Ref. Nov. 1966. 99.92 In7
Hazards of insecticides and fungicides.
- 30693 NEW SOUTH WALES, DEPT. OF AGRICULTURE. ENTOMOLOGY BR. The bag-shelter moth *Ochrogaster contraria*. New S. Wales Dep. Agr. Insect Pest Leaflet. 93, ed. 4, 6 p. 1965. 423.92 N47
As pest of *Acacia pendula*; includes control.
- 30694 NEW SOUTH WALES, FORESTRY COMMISSION. Common insect pests of trees. Sydney, Blight, 1965. 37 p. SB761.N4
Includes control.
- 30695 PENNSYLVANIA, STATE UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Controlling insect pests on fir, hemlock and juniper. Penn. State Univ. Ext. Leaflet. 290, 4 p. Aug. 1966. 275.29 P38L
Chemical control.
- 30696 PONCE, E. T. The control of *Ormenis pulverulenta* in the region of Coatepec, Ver. (Sp) *Fito-filo* 18(45):11-13. Jan./Mar. 1965. 421 F55
As pest of trees.
- 30697 RUDNEV, D. F. *Khimicheskie sredstva v bor'be s vreditel'nyimi lesa* [Chemical means in control of forest pests]. Moskva, Lesnaya Promyshlennost', 1966. 183 p. Ref. SB951.R8
Insects.
- 30698 YASEEN, M., and GHANI, M. A. Adelges spp. and damage caused in West Pakistan. Commonwealth Inst. Biol. Contr. Tech. Bull. 7:59-62. June 1966. 423.92 C733T
Pest of fir forests including *Abies pindrow*.
- Pests of Field and Truck Crops
- 30699 BIGGER, M. The biology and control of termites damaging field crops in Tanganyika. *Bull. Entomol. Res.* 56(3):417-444. Ref. June 1966. 421 B87
Control with aldrin and dieldrin.
- 30700 BROAD, G. H. Groundnut pests. Rhodesia Agr. J. 63(5):114-117. Sept./Oct. 1966. 24 R34
Includes control with insecticides.
- 30701 BROAD, G. H. The importance of termite control on wheat. Rhodesia Agr. J. 63(2):41-43. Mar./Apr. 1966. 24 R34
Chiefly chemical control.
- 30702 BROUWER, W. M. T. J. DE, and DORST, H. J. M. VAN. Study of aphids in connection with cucumber virus 1 (*cucumis virus 1*) in cucumbers. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965: 145-149. 86 N12J
English summary, p. 8-9 of summary section.
- 30703 BUCURESTEANU, G., TRU, G., and IONESCU, M. Control of the larvae of *Agrotis* spp. by cultural practices of soils within the Calarasi area. (Rum) *Probl. Agr. [Bucharest]* 18(10):90-93. Oct. 1966. 21 R862
Corn pest.
- 30704 BURNETT, G. F. The effect of some cultural practices and insecticide applications on the soil arthropod fauna at Arusha Chini. Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 519, 13 p. July 1965. 423.92 G792Z
Aldrin and dieldrin used on grassland.

- 30705 BURT, E. C., MERKL, M. E., and DAVICH, T. B. Boll weevil [*Anthonomus grandis*] control in a field experiment with a machine designed to destroy shed cotton squares. U. S. Agr. Res. Serv. ARS-42-121.5 p. Aug. 1966. A58.9 R31
- 30706 CHACON, R. C. Study of the determination of planting date of cotton in the Laguna District. (Sp) Fitofilo 18(45):19-28. Jan./Mar. 1965. 421 F55
For the control of pink bollworm *Pectinophora gossypiella*.
- 30707 CHIU, R. J., REDDY, D. V. R., and BLACK, L. M. Inoculation and infection of leafhopper tissue cultures with a plant virus. Virology 30(3):562-566. Ref. Nov. 1966. 448.8 V81
Insect vector *Agallia constricta* infected with wound tumor virus from sweet clover.
- 30708 DANKO, J., PRASLICKA, J., and KRAJNY, P. Application of granulated insecticides in the control of vectors of virus diseases of red-peppers. (Cz) Pol'nohospodarstvo 12(9):700-706. 1966. 19.5 P 752
English summary.
Aphids.
- 30709 FABER, W. European corn borers, *Heteroptera*, and corn gall midges in field pest warning service 1965. I. The European corn borer. (Ge) Pflanzenarzt 19(2):15-17. Feb. 1, 1966. 464.9 P482
Ostrinia nubilalis and *Cecidomyiidae*.
- 30710 GASKILL, J. O., and SCHNEIDER, C. L. Savoy and yellow vein diseases of sugarbeet in the Great Plains in 1963-64-65. Plant Dis. Rep. 50(7):457-459. July 1966. 1.9 P69P
Savoy is transmitted by *Piesma cinereum*.
- 30711 GEROLA, F. M., and others. Virus-like particles in both maize plants infected with maize rough dwarf virus and the vector *Laodelphax striatellus* Fallen. Phytopathol. Z. 56(1):97-99. May 1966. 464.8 P562
M. Bassi, O. Lovisolo, and C. Vidano, joint authors.
- 30712 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Gout fly [*Chlorops pumilionis*]. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 174, rev. 4 p. Aug. 1966. 10 G79La
Life history and control of this pest of barley, wheat, and rye.
- 30713 HADZISTEVIC, D. Insecticidal value of some granulated preparations for the control of European corn borer (*Ostrinia nubilalis*). (Se) Agrohemija 1/2:62-70. 1966. 385 Ag87
French summary.
- 30714 HEATHCOTE, G. D. The time of flight and the relative importance of *Myzus persicae* (Sulz.) and *Aphis fabae* Scop. in relation to the incidence of beet yellows as shown by trap catches at Rothamsted and Brooms's Barn. Bull. Entomol. Res. 56(3):473-480. Ref. June 1966. 421 B87
Sugar beets.
- 30715 HINZ, B. A contribution to the analysis of disease transmitting ability of some economically important species and races of aphids. II. Tests to determine vector properties for pea enation virus in races *Myzus persicae* (Sulz.), *Acyrtosiphon pisum* (Harris) and *Macrosiphum euphorbiae* (Thomas). (Ge) Phytopathol. Z. 56(2):123-140. Ref. June 1966. 464.8 P562
English summary.
- 30716 HINZ, B. Contribution to the analysis of vector suitability of some economically important aphid species and races. I. Tests to determine the vector capacities for leaf roll virus of potatoes in races of *Myzus persicae* (Sulz.). (Ge) Phytopathol. Z. 56(1):54-77. Ref. May 1966. 464.8 P562
- 30717 HOELSCHER, C. E., and WOLFENBARGER, D. A. Field evaluations of insecticides, surfactant and surfactant-insecticide combinations applied to the soil for insect control on various vegetable crops. Tex. Agr. Exp. Sta. Progr. Rep. PR-2409, 6 p. May 5, 1966. 100 T31P
- 30718 HUSSEY, N. W. The chemical control of mushroom phorids. Agr. Vet. Chem. 7(2):37-40. Ref. Mar./Apr. 1966. 382 Ag82
Chiefly on *Megaselia halterata*.
- 30719 INSTRUCTIONS for the use of the parasite *Dusmetia sangwani* Rao as a natural enemy of the cottony scale of pastures (*Antonina graminis* Mask.). (Sp) Fitofilo 18(45):14-18. Jan./Mar. 1965. 421 F55
- 30720 ISART, J. *Lixus junci* Boh. and its importance as pest of beetroot. (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 64(1):63-86, map. Ref. 1966. 442.9 So18
English summary.
- 30721 ISHIDA, S. Study on the correlation of chemical structure and oviductal activities of 2-bromoethylthiobenzenes. Agr. Biol. Chem. 30(8):800-806. Aug. 1966. 385 Ag8B
Tetranychus telarius on beans.
- 30722 KANTACK, B. H., and BERNDT, W. L. Grasshopper control in South Dakota, 1967. S. Dak. State Univ. Ext. FS 321, 6 p.-folder, map. Sept. 1966. 275.29 So85Fs
Chemical control in field crops.
- 30723 KASSAI, T., and OGITA, Z. I. Studies on malathion-resistance and esterase activity in green rice leafhoppers [*Neohotatus cincticeps*], SABCO (Soc. Areas Biol. Chem. Overlap) J. 1 (3/4):14-24. Ref. 1965. 442.8 So13
- 30724 KOK, L. T., and VARGHESE, G. The four major Lepidopterous rice stem borers in Malaya. Malaysian Agr. J. 45(3):275-288. Jan. 1966. 22.5 F312
Chilo tratrae polychrysa, *Chilo suppressalis*, *Sesamia inferens*, and *Tryporyza incertulas*.
- 30725 KOK, L. T. Rice stem-borer research in Malaya. Malayan Agr. 5:84-88. Ref. 1964/65. 22.5 K952
Control of *Chilo tratrae polychrysa*, *Chilo suppressalis*, *Sesamia inferens*, and *Tryporyza incertulas*.
- 30726 LECATSAS, G. Fine structure of an insect-induced plant tumour. Nature 212(5064):830-831. Nov. 19, 1966. 472 N21
Bud galls induced by *Cecidomyiidae* on *Stoebe vulgaris*.
- 30727 LOOF, B. News about oil crops. (Sw) Svensk Frolidh. 35(6):100-103. June 15, 1966. 61.8 Sv2
Chemical control of insects.
- 30728 MINORANSKI, V. A. Some data on the sugar beet root aphid. (Rus) Zool. Zh. 45(6):1164-1169. 1966. 410 R92
English summary.
Pemphigus fuscicornis.
- 30729 MIRANDA O. T., and OLALQUIAGA F. G. Insects injurious to clover seed production in Chile. (Sp) Agr. Ganad. [Santiago] 9(31):12-15. Dec. 1965. 9.3 Ag88
- 30730 NEMEC, S. J., and ADKISSON, P. L. Comparative effectiveness of low volume concentrates and water emulsion sprays of certain insecticides for cotton insect control. Tex. Agr. Exp. Sta. MP-813, 6 p. Aug. 1966. 100 T31M
Heliothis zea, *H. virescens*, and *Anthonomus grandis*.
- 30731 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. The black beetle (*Heteronychnus arator*). New S. Wales, Dep. Agr. Insect Pest Leaf. 57, ed. 3, 11 p. 1965. 423.92 N47
As pests of field crops: includes control.
- 30732 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. The white-fringed weevil [*Graphognathus leucoloma*]. New S. Wales, Dep. Agr. Insect Pest Leaf. 130, ed. 2, 7 p. 1965. 423.92 N47
As pest of field crops and ornamentals: includes control.
- 30733 NOONAN, J. B. Summer crops: winter insect pests. Milk Board J. 17(9):31, 33. Sept. 1966. 44.8 M5934
Culture of wetland deerweed and chemical control of *Penthaeus* major on forage crops.
- 30734 PARISH, R. H., and MATERU, M. E. A. Systemic insecticides. II. Disyston 5 per cent granules applied to cotton planting holes at Karangai, Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 489, 6 p. Jan. 1965. 423.92 G7922

- 30735 PARK, P. O., and MCKONE, C. E. Determination of soil-applied insecticides at Arusha Chini. Arusha. Trop. Pesticides Res. Inst. Misc. Rep. 492, 12 p. Mar. 1966. 423.92 G7922
Aldrin, dieldrin and Telodrin used for control of *Cochliotus melonothoides* on sugarcane.
- 30736 PATI-NAGY, E. We shall be prepared for the *Otiorynchus ligustici* invasion. (Hu) Magyar Mezőgazdaság 21(46):12-13. Nov. 16, 1966. 19 M27
Lucerne pest control measures.
- 30737 PITRE, H. N., COMBS, R. L., and DOUGLAS, W. A. Gamagrass, *Tripsacum dactyloides* a new host of *Dalbulus maidis*, vector of corn stunt virus. Plant Dis. Rep. 50(8):570-571. Aug. 1966. 1.9 P69P
Mississippi.
- 30738 PROESELER, G. Relations between *Piesma quadratum* Fieb. and the beet crinkle virus. I. Experiments with the virus transmission and breeding of the vector. (Ge) Phytopathol. Z. 56(2):191-211. Ref. June 1966. 464.8 P562
English summary.
Beta virus 3.
- 30739 RANDOLPH, N. M., and WAGNER, P. M. Biology and control of the fall armyworm [*Spodoptera frugiperda*]. Tex. Agr. Exp. Sta. Progr. Rep. PR-2431, 6 p. Oct. 13, 1966. 100 T31P
Chemical control in field crops and vegetables.
- 30740 REDDY, D. V. R. New methods and applications for studying injections of a plant virus into its insect vector. Diss. Abstr., Sect. B, 27 (3):668B-669B. Sept. 1966. Z5055.U49D53
Infective wound-tumor virus in extracts from sweet clover tumors and *Agallia constricta*.
- 30741 REDDY, D. V. R., and BLACK, L. M. Production of wound-tumor virus and wound-tumor soluble antigen in the insect vector. Virology 30(3):551-561. Ref. Nov. 1966. 448.8 V81
From sweet clover and *Agallia constricta*.
- 30742 RIVERA, C. T., OU, S. H., and IDA, T. T. Grassy stunt disease of rice and its transmission by the planthopper *Nilaparvata lugens* Stal. Plant Dis. Rep. 50(7):453-456. July 1966. 1.9 P69P
Philippines.
- 30743 ROTHMAN, P. G. Summer hosts of barley yellow dwarf virus in the Mississippi Delta. Plant Dis. Rep. 50(9):692-693. Sept. 1966. 1.9 P69P
Apple grain aphid (*Rhopalosiphum fitchii*), as vector.
- 30744 RUIZ, M. A. Comparative tests with three insecticides for the preventive control of *Aeneolamia postica* (Wilk.) on sugarcane. (Sp) Fito-filo 18(46):22-33. Apr./June 1965. 421 F55
Endrin, chlordane and BHC.
- 30745 SCHUSTER, M. F., and WOLFENBARGER, D. A. Corn earworm [*Heliothis zea*] damage to sweet corn hybrids in the lower Rio Grande Valley. Tex. Agr. Exp. Sta. Progr. Rep. PR-2430, 4 p. Oct. 13, 1966. 100 T31P
Evaluation of resistance.
- 30746 SCHUSTER, M. F. Response of forage grasses to rhodesgrass scale [*Antonina graminis*]. Tex. Agr. Exp. Sta. Progr. Rep. PR-2427, 5 p. June 28, 1966. 100 T31P
- 30747 SCOTT, G. E., DICKE, F. F., and PESHO, G. R. Location of genes conditioning resistance in corn to leaf feeding of the European corn borer [*Ostrinia nubilalis*]. Crop Sci. 6(5):444-446. Sept./Oct. 1966. 64.8 C883
- 30748 SCOTT, G. E., GUTHRIE, W. D., and TIPTON, C. L. Possible causes of resistance to the European corn borer [*Ostrinia nubilalis*]. Crop Sci. 6(5):395-396. Sept./Oct. 1966. 64.8 C883
- 30749 SHEPHERD, R. J., HALL, D. H., and PURCELL, D. E. Occurrence of a new virus disease of corn in California. Plant Dis. Rep. 48 (10):749. Oct. 15, 1964. 1.9 P69P
Transmitted by aphids.
- 30750 SKUHRVAY, V., and NOVAK, K. The quantitative relationship between the black bean aphid (*Aphis fabae* Scop.) and its predators on sugar beets; a contribution to the integrated control of the black bean aphid. (Ge) Z. Angew. Entomol. 57(2):141-166, map. Ref. Mar. 1966. 421 Z36
English summary.
- 30751 SRIVASTAVA, A. S., GUPTA, B. P., and AWASTHI, G. P. Bionomics and control of pink bollworm *Pectinophora gossypiella* Saunders (Lepidoptera: Gelechiidae), by fumigants. Z. Angew. Entomol. 57(2):212-216. Ref. Mar. 1966. 421 Z36
- As pests of cotton.
- 30752 SYLVESTER, E. S., and RICHARDSON, J. "Recharging" pea aphids with pea enation mosaic virus. Virology 30(4):592-597. Ref. Dec. 1966. 448.8 V81
Acyrthosiphon pisum.
- 30753 TANASJEVIC, N. A contribution to the study of aphids on Papilionaceae. (Se) Agrohemija 1/2:8-12. 1966. 385 Ag87
English summary.
- 30754 TANASJEVIC, N. Important insect pests of wheat and their control. (Se) Agrohemija 7/8:313-329. Ref. 1966. 385 Ag87
English summary.
- 30755 THRESH, J. M. Field experiments on the spread of black currant reversion virus and its gall mite vector (*Phytoptus ribis* Nal.). Ann. Appl. Biol. 58(2):219-230. Ref. Oct. 1966. 442.8 An72
- 30756 U. S. PRESIDENT'S SCIENCE ADVISORY COMMITTEE. Cotton insects. Washington, 1965. 19 p. 173 P9225C
Control and research program.
- 30757 VERSTREPEN, A. Control of witloof flies in the field. (Fl) Tuinbouwberichten 30(3):84-86. Mar. 1966. 80 T817
Napomyza lateralis and Ophiomyia pinguis.
- 30758 WATSON, R. D. "Low mosaic" lettuce seed production. Idaho. Agr. Exp. Sta. Bull. 467, 23 p. Ref. Aug. 1966. 100 Id14
Aphids as vectors.
- 30759 WOLFENBARGER, D. A. Control, distribution and abundance of eggplant yellows in eggplant as affected by flea beetle [*Epitrix hirtipennis*] feeding scars and plant height. Plant Dis. Rep. 48(10):811-814. Oct. 15, 1964. 1.9 P69P
Caused by tobacco ringspot virus in Texas.
- 30760 YUNUS, A., and ROTHSCCHILD, G. H. L. Review of work on major insect pests of rice in Malaysia. I-II. Malaysian Agr. J. 45(1):28-64. Ref. Jan. 1965. 22.5 F312
I, Malayan Region, by A. Yunus; II, Sarawak, by G. H. L. Rothschild.

Pests of Fruit and Nut Crops

- 30761 BAGGIOLINI, M., and LANGENBERGER, F. Observations on a ceropid harmful to fruit trees in French Switzerland: *Cercopis sanguinea* Geoffr. (Fr) Agr. Romande (ser. A):5 (13):93-95. Oct. 1966. 17 Ag8
- 30762 BOHM, H. Susceptibility of our fruit orchards to San Jose scale [*Quadraspidiotus perniciosus*]. (Ge) Pflanzenarzt 18(12):124. Dec. 1, 1965. 464.9 P482
- 30763 CRANHAM, J. E. Shot-hole borer (*Xyleborus fornicatus* Eichh.) of tea in Ceylon. I. Chemical control and population dynamics. Bull. Entomol. Res. 56(3):481-504. Ref. June 1966. 421 B87
With dieldrin.
- 30764 CROWE, T. J. Recent advances in the use of insecticides on coffee in East Africa. Agr. Vet. Chem. 7(2):33-35. Ref. Mar./Apr. 1966. 382 Ag82
- 30765 DAUBENY, H. A. Inheritance of immunity in the red raspberry to the North American strain of the aphid, *Amphorophora rubi* Kltb. Amer. Soc. Hort. Sci. Proc. 88:346-351. Ref. 1966. 81 Sol2
Mosaic immunity.

- 30765 DJULIZIBARIC, T. Some observations on life history and control of codling moth (*Carpocapsa pomonella* L.). (Se) *Agrohemiya* 5/6:230-238. 1966. 385 Ag87
English summary.
- 30767 ELLIS, C. R. Blueberry casebearer (*Chlamys cribripennis* Lec.). Maine. Agr. Exp. Sta. Misc. Rep. 118:144-147. 1966. 100 M28M
Life history, distribution, and control in Canada.
- 30763 GILMER, R. M., and others. Leafhopper transmission of X-disease virus of stone fruits in New York. N. Y. (State) Agr. Exp. Sta. Bull. 813, 22 p. Ref. May 1966. 100 N48
D. H. Palmifer, G. A. Schaefer, and F. L. McEwen, joint authors.
- 30763 GREATHEAD, D. J. The parasites of *Antestipes* spp. (Hem. Pentatomidae) in east Africa; and a discussion of the possibilities of biological control. Commonwealth Inst. Biol. Contr. Tech. Bull. 7:113-137. Ref. June 1966. 423.92 C733T
Important insect pests of coffee.
- 30770 HODGSON, C. J. The problem of the false codling moth [*Argyroplece leucotreta*]. Rhodesia Agr. J. 63(1):3-5. Jan./Feb. 1966. 24 R34
Includes life history and control of this pest of fruit.
- 30771 KISS, A. With new insecticides against the European red mite. (Hu) *Kerteszet Szolész.* 15(21):20. Nov. 1966. 80 K474
Panonychus ulmi, apple pest.
- 30772 MATHYS, G., and BAGGIOLINI, M. Methods of determining populations of insect pests in orchards under tests of integrated control. (Fr) *Schweiz. Entomol. Ges. Mitt.* 38(1/2):120-141. Ref. July 15, 1965. 420 Sw6
English summary.
- 30773 MIRANDA, C. A. El picudo del cocotero *Rhynchophorus palmarum* (L.) orden Coleoptera, fam. Curculionidae [The coconut weevil *Rhynchophorus palmarum* (L.), order Coleoptera, fam. Curculionidae]. Santa Tecla, Dir. Gen. Invest. Agron. Circ. 67, 9 p. Aug. 1965. 8 Sa36
- 30774 NELSON, J. W. Highbush blueberry insects. Maine. Agr. Exp. Sta. Misc. Rep. 118:28-29. 1966. 100 M28M
New Jersey and Michigan.
- 30775 NEUNZIG, H. H., and FALTER, J. M. Insect and mite pests of blueberry in North Carolina. N. C. Agr. Exp. Sta. Bull. 427, 34 p. May 1966. 100 N81
Includes control.
- 30776 NEW SOUTH WALES, DEPT. OF AGRICULTURE, ENTOMOLOGY BR. The "dicky rice" weevil *Maleuterpes spinipes*. New S. Wales. Dep. Agr. Insect Pest Leaflet. 35, ed. 2, 2 p. 1965. 423.92 N47
Includes control as citrus pest.
- 30777 NEW SOUTH WALES, DEPT. OF AGRICULTURE, ENTOMOLOGY BR. Red spider *Tetranychus* spp. New S. Wales. Dep. Agr. Insect Pest Leaflet. 37, ed. 12, 5 p. 1965. 423.92 N47
Chiefly as pest of fruit and vegetables; includes control.
- 30778 NEW SOUTH WALES, DEPT. OF AGRICULTURE, ENTOMOLOGY BR. Wax scales. New S. Wales. Dep. Agr. Insect Pest Leaflet. 4, ed. 7, 6 p. 1965. 423.92 N47
Ceroplastes destructor, *C. ceriferus* and *C. rubens* as fruit pests; includes control.
- 30779 REICHART, G., and BODOR, J. Animal pests of stone fruits. (Hu) *Tud. Tanacsadoja*, p. 14-15. In *Kerteszet Szolész.* 15(21). Nov. 1966. 80 K474
Insects.
- 30780 RICHARDSON, M. E. Strawberry pests. Rhodesia Agr. J. 63(1):13-15, 18. Jan./Feb. 1966. 24 R34
Chemical control.
- 30781 RUSS, K. The weather and cherry fruit fly attack. (Ge) *Pflanzenarzt* 18(12):129. Dec. 1, 1965. 464.9 P482
Forecasting of *Rhagoletis cerasi*.
- 30782 SARUP, P., and others. Testing of different pesticides as contact poisons against red scale, *Aonidiella aurantii* (Maskell) (Diaspididae: Homoptera-Hemiptera). Indian J. Entomol. 27(3): 310-314. Sept. 1965. 420 In23
D. S. Singh, T. D. Yadav, and R. Lal, joint authors.
As citrus pest.
- 30783 SCHREURS, J. Investigations on the biology and control of *Glenea lefeuei*, a noxious longicorn beetle of cacao in West New Guinea. Papua New Guinea Agr. J. 17(4):129-135. Dec. 1965. 23 N453
- 30784 SHANKS, C. H. Spread of strawberry viruses into new strawberry plantings in western Washington. Plant Dis. Rep. 50(8):586-588. Aug. 1966. 1.9 P69P
Chaetosiphon fragaefolii, as vector.
- 30785 SMITH, B. D., and CORKE, A. T. K. Effect of (2-chloroethyl) trimethylammonium chloride on the eriophyid gall mite *Cecidophyopsis ribis* Nal., and three fungus diseases of black currant. *Nature* 212(5062):643-644. Nov. 5, 1966. 472 N21
- 30786 SUPLIČY, N., and others. Some experiments to control chemically the pineapple pest *Thecla basilides* Geyer (Lepidoptera, Lycaenidae). (Por) *Biologico* 32(6):122-126. Ref. June 1966. 442.8 B529
E. J. Giacomelli, A. S. Sampaio, and A. Orlando, joint authors.
- 30787 WOOD, G. W. Blueberry insect problems in Atlantic Canada. Maine. Agr. Exp. Sta. Misc. Rep. 118:25-28. 1966. 100 M28M
Includes chemical control.

Pests of Ornamentals, Greenhouses, and Nurseries

- 30788 BEUZENBERG, M. P. Animal soil parasites. (Du) Aalsmeer, Proefsta. Bloemisterij. Jaarverslag 1965:124-125. 86 Aa4
Insects and their control on ornamentals.
- 30789 BEUZENBERG, M. P. Control of spider mites of roses. (Du) Aalsmeer, Proefsta. Bloemisterij. Jaarverslag 1965:108-109. 86 Aa4
Chemical.
- 30790 BEUZENBERG, M. P. New pesticides. (Du) Aalsmeer, Proefsta. Bloemisterij. Jaarverslag 1965:123-124. 86 Aa4
For the control of insect pests on ornamentals.
- 30791 EDWARDS, A. R. A phytotoxicity hazard associated with the hot-water treatment of Narcissus bulbs. Northern Ireland. Rec. Agr. Res. 14(1):61-69. 1965. 10 N81R
For pest control.
- 30792 FORSYTH, J. Insects and insecticides in the garden; the newer and safer insecticides. Roy. Hort. Soc. J. 91(11):475-482. Nov. 1966. 84 L84J
Ornamentals and vegetables.
- 30793 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Small ermine moths [*Yponomeuta* spp.]. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 40, rev., 4 p. May 1966. 10 G79La
Includes control of this pest of ornamental trees and shrubs.
- 30794 VENTURI, F. Termiti e latifoglie arboree ornamentali nel pisano [Termites and ornamental hardwood trees in the Pisa area]. Osserv. Mal. Piante. Sez. Entomol. Circ. 4, 16 p. 1965. QL461.08
Calotermes flavicollis and *reticulitermes lucifugus*.

Pests of Stored Products and Processed Commodities

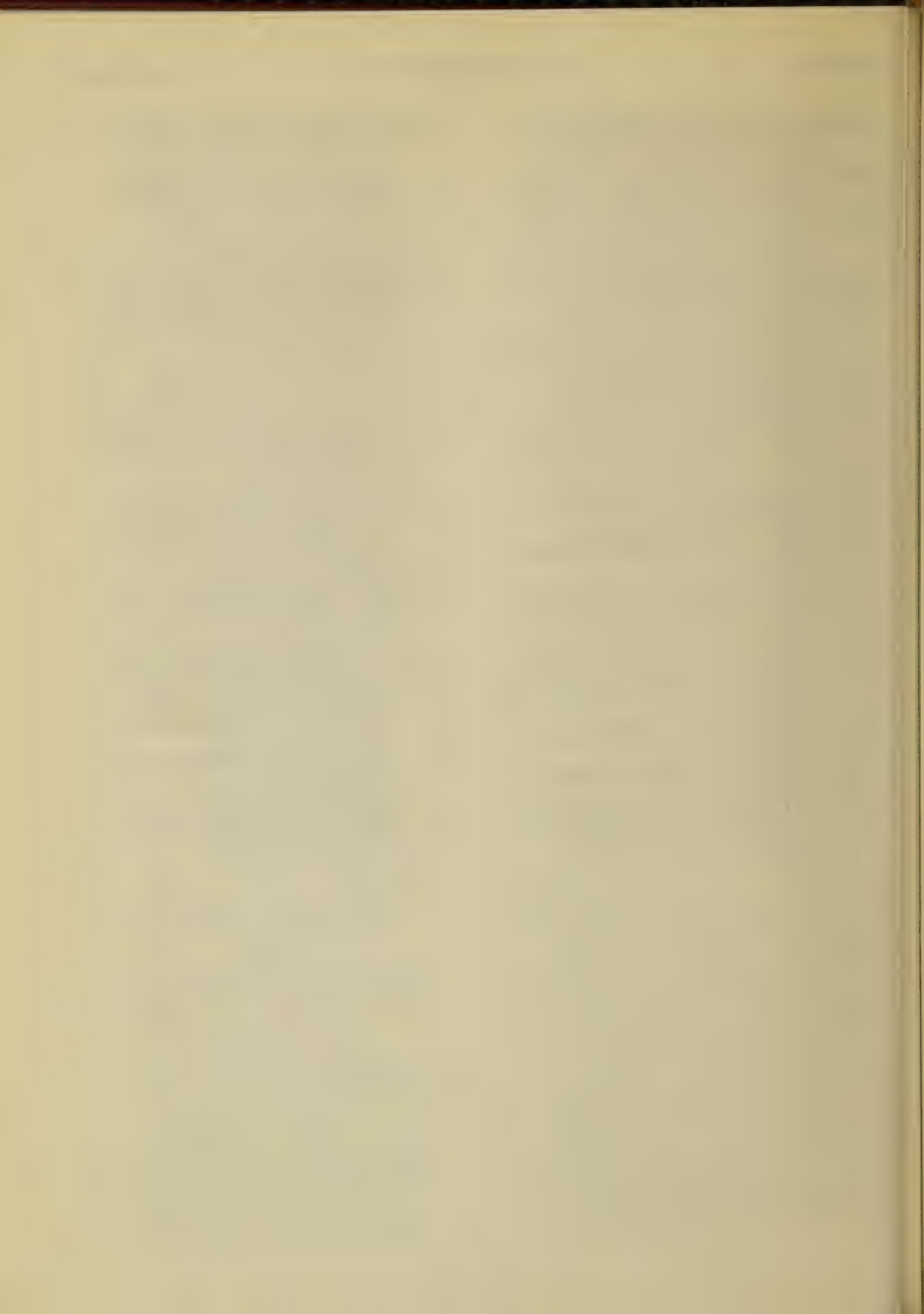
- 30795 ARELLANO, P. G. Description and control of the Khapra beetle (*Trogoderma granarium* Everts). (Sp) *Fitofilo* 18(46):34-48. Apr./June 1965. 421 F55
As pests of stored grain.

- 30796 BARNES, G., and ROBERTS, J. E. Control of household insects and their relatives. Ark. Univ. Ext. Leaf. 392, 12 p.-folder. Sept. 1966. 275.29 Ar4Le
Chemical control.
- 30797 BERATLIEF, C. Protection of stored grain with dusts. (Rum.) Probl. Agr. [Bucharest] 18 (6):65-70. Ref. Aug. 1966. 21 R862
Chiefly silica gels, lindane and malathion in pest control.
- 30798 BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT IN BRAUNSCHWEIG. List of officially tested and approved materials for the control of grain, mill and other stored food pests. (Ge) Brunswick. Biol. Bundesanst. Land- Forstwirtschaft. Merkbl. 6, ed. 7, 12 p. July 1965. 464.9 B833M
- 30799 CHINNERY, A. B. Fumigation of grain; use of aluminum phosphide. Fert. Feed. Staffs J. 63 (22):786-787. Nov. 16, 1966. 57.8 F413
For insect control.
- 30800 ILIC, B. Study of the effectiveness of the new formula of the preparation phostoxin in the control of stored wheat pests. (Se) Agrohemija 1/2:19-29. Ref. 1966. 385 Ag87
English summary.
- 30801 NEW SOUTH WALES, DEPT. OF AGRICULTURE, ENTOMOLOGY BR. Household insect pests and their control. New S. Wales. Dep. Agr. Insect Pest Leaf. 47, ed. 12, 32 p. 1966. 423.92 N47
- 30802 PEARSON, F. B. Insects cost us money. S. Australia J. Agr. 70(4):143. Nov. 1966. 23 So84
Chemical control of wheat storage pests.
- 30803 THONTADARYA, T. S. Influence of temperature and humidity on the longevity of the spores of the entomogenous fungus, *Beauveria bassiana* (Bals.) Vuill. (Fungi Imperfecti), and the potentialities of utilizing this fungus for the control of some coleopterous stored grain pests. Diss. Abstr., Sect. B, 27(3):849B. Sept. 1966. Z5055.U49D53
- 30804 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Silverfish [Leptopisma saccharina] and firebrats [Thermobia domestica]. U. S. D. A. Leaf. 412, slightly rev., 6 p.-folder. Sept. 1966. 1 Ag84L
Chemical control.
- APICULTURE AND APIS MELLIFERA
- 30805 ABBOTT, M. Me and the bee; the battles of a bumbling beekeeper. London, Hammond, 1965. 189 p. Bee Cul. SF525.A6
- 30806 BITTNER, A. Injury of blossoms and fruits by bees. Rhenische Bienenzeitung 117:229-232. Aug. 1966. Bee Cul. 424.8 R34
- 30807 BITTNER, A. Observations on the amoeba disease of honey bees. (Ge) Deut. Bienenwirtschaft. 17(10):284-286. Oct. 1966. 424.8 D489
- 30808 BOULANGER, L. Blueberry pollination in Maine. Maine. Agr. Exp. Sta. Misc. Rep. 118: 34-36. 1966. 100 M28M
Honeybees as pollinators.
- 30809 BROKER, W. The effect of pesticides on insects, especially on bees. (Ge) Väst.-Zivilisationskrankheiten 10(5):184-185. Oct. 1965. 389.8 V836
- 30810 BRYANT, J. A. Close observations. Gleanings Bee Cult. 94(9):528-529. Sept. 1966. 424.8 G47
Behavior of *Apis mellifera*.
- 30811 BUTLER, C. G. The effects of extracts of queens of various social insects on queen rearing and the development of workers' ovaries in the honey bee (*Apis mellifera*). 4 p. Transl. 16260
Translation from Zeitschrift für Bienenforschung 8(5):143-147. Jan. 1966.
- 30812 CARLISLE, Z. Beekeepers' first responsibility. Gleanings Bee Cult. 94(9):538-539. Sept. 1966. 424.8 G47
Have his smoker ready.
- 30813 DERVICI, A., and POPESCU, A. Propolis action in vitro on Ehrlich's ascitic tumor cells. (It) Veterinaria [Milano] 15(3):175-182. Ref. May/June 1966. 41.8 V6499
- 30814 DREHER, K. The National Institute for Apiculture at Mayen [Landesanstalt für Bienenzucht] Mayen. (Ge) Deut. Bienenwirtschaft. 17(10):282-283. Oct. 1966. 424.8 D489
- 30815 DUSTMANN, J. H. Investigations of pigment in the eyes of the honey bee *Apis mellifera*. 2 p. Transl. 16265
Translation from Naturwissenschaften 53(8): 208. Apr. 1966.
- 30816 FISCHER, G. Harvest report 1966. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(11):508-512. Nov. 1966. 424.8 Sch9
- 30817 GLAUFFRET, A., DUTHOIT, J. L., and CAUCAT, M. J. Virological study of a few cases of honey bee paralysis in France. (Fr) Rec. Med. Vet. 142(9):819-829. Ref. Sept. 1966. 41.8 R24
English summary.
- 30818 GOMOLL, C. H. Moisture box. Gleanings Bee Cult. 94(9):527, 569. Sept. 1966. 424.8 G47
Winter management.
- 30819 GONTARSKI, H. The vertical orientation of bees when building combs and constructing the brood nest. 11 p. Transl. 16267
Translation from Zeitschrift für Vergleichende Physiologie 31(5):652-670. 1949.
- 30820 HANSSON, A. Genetics and bee breeding. (Sw) Bitidningen 65(11):332-338. Nov. 1966. 424.8 B54
- 30821 IVANIC, M. The ontogeny and the parasitic destructive work of a haplosporidian, *Nephridiophaga apis* gen. nov. spec. nov., living as a parasite in the cells of the Malpighian tubules of the honey bee (*Apis mellifera* L.). 42 p. Ref. Transl. 15628
Translation from Cellule 15(3):291-324. 1936.
- 30822 JENSEN, K. Wintering of bees. (Sw) Bitidningen 65(11):339-343. Nov. 1966. 424.8 B54
- 30823 KARMO, E. A. The use of honeybees in blueberry pollination in Nova Scotia. Maine. Agr. Exp. Sta. Misc. Rep. 118:30-33. 1966. 100 M28M
- 30824 KENNERLY, A. B. Hit-and-run beekeeper. Gleanings Bee Cult. 94(9):550-552, 565. Sept. 1966. 424.8 G47
Migratory apiculture.
- 30825 KLEBER, E. Does the memory of bees for time have biological significance. 32 p. Ref. Transl. 16273
Honey bees.
Translation from Zeitschrift für Vergleichende Physiologie 22(2):221-262. 1935.
- 30826 KOLWYCK, C. Top ventilation—summer and winter. Gleanings Bee Cult. 94(9):542. Sept. 1966. 424.8 G47
Beehives.
- 30827 LEHNERT, T., and CANTWELL, G. E. The Beeville research apiarium. Amer. Bee J. 106(9):336-337. Sept. 1966. 424.8 Am3
U. S. Department of Agriculture, Agricultural Research Center, Entomology Research Division.
- 30828 LOUIS, L. T. The constancy of a virtual geometric form in the neurulation of the front wing of melliferous Hymenoptera (Fam. Apoidea). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(19):1391-1394. Nov. 7, 1966. 505 P21
- 30829 LUNDBLOM, A. Bee kidneys. (Sw) Bitidningen 65(11):344-345. Nov. 1966. 424.8 B54
Malpighian tubes.
- 30830 MARTIN, P. Electrophoretic investigations on the hemolymph of bees. 3 p. Transl. 16281
Honey bees.
Translation from Berliner und Münchener Tierärztliche Wochenschrift 78(1):16-17. Jan. 1, 1965.
- 30831 MELLINGER, M. B. Gallberry [Ilex glabra] honey. Gleanings Bee Cult. 94(9):530-531. Sept. 1966. 424.8 G47
Southern States.
- 30832 MELLINGER, M. B. Something to crow about! Amer. Bee J. 106(9):338. Sept. 1966. 424.8 Am3
Sourwood honey from *Oxydendron arboreum*.
- 30833 MULLER, F. Observations on the wet summers of 1965 and 1966. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(11):523-525. Nov. 1966. 424.8 Sch9

- 30834 MUXFELDT, H. Apicultura para todos [Apiculture for all]. Vol. 1. Porto Alegre, Universidade Federal do Rio Grande do Sul, 1965. 288 p. Bee Cul. SF531.M8
- 30835 OERTEL, E. Nosema control in commercial queen rearing. *Gleanings Bee Cult.* 94(9):556-558,565. Sept.1966. 424.8 G47
- 30836 ORDET, G. S. Aspectos sobre recursos apícolas de Guatemala [Aspects of apicultural resources in Guatemala]. Guatemala, Instituto de Fomento de la Produccion, 1966. 32 p. SF531.O72
- Apiaries and honey plants.
- 30837 OTTE, E. Septicemia problem of honey bees (*Apis mellifica*). (Ge) Wien. Tierarztl. Monatsschr. 53(9):587-592. Ref. Sept.1966. 41.8 T345
- English summary.
- Serratia marescens and Pseudomonas aeruginosa proved to be pathogenic.
- 30838 PAPADOPOULOU, P. Disease of larval bees. *Rhodesia Agr. J.* 62(6):106-107. Nov./Dec. 1965. 24 R34
- 30839 PAPADOPOULOU, P. Diseases of adult bees. *Rhodesia Agr. J.* 63(1):1-2. Jan./Feb.1966. 24 R34
- 30840 PAPADOPOULOU, P. Repellants to bees. *Rhodesia Agr. J.* 63(3):68. May/June 1966. 24 R34
- 30841 PAPADOPOULOU, P. The use of anaesthetics in beekeeping. *Rhodesia Agr. J.* 63(2):33. Mar./Apr.1966. 24 R34
- 30842 PERRIN, P. S. Beekeeping on the farm. *Gleanings Bee Cult.* 94(9):540-541,570. Sept. 1966. 424.8 G47
- Louisiana.
- 30843 SHINE, W. H. Becoming a fence-corner beekeeper. *Amer. Bee J.* 106(9):326-327. Sept. 1966. 424.8 Am3
- Colony management in Texas.
- 30844 SMITH, F. G. Cappings reducer—a new design. *Amer. Bee J.* 106(9):334-335. Sept.1966. 424.8 Am3
- 30845 STEWART, Z. M. Pollination of alfalfa. *Gleanings Bee Cult.* 94(9):536-537,567. Sept. 1966. 424.8 G47
- Arizona.
- 30846 SVENSSON, F. Bee races and beehouses. (Sw) *Bitidningen* 65(11):346-347. Nov.1966. 424.8 B54
- 30847 VADHOLM, O. A bee swarm in a postbox. (Sw) *Bitidningen* 65(11):354-355. Nov.1966. 424.8 B54
- 30848 VOLKEN, N. Beekeeping and honey yields four hundred years ago. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(11):521-523. Nov.1966. 424.8 Sch9
- 30849 WATKINS, L. H. The truck hauler's hitch: a boon to migratory beekeepers. *Gleanings Bee Cult.* 94(9):522-526. Sept.1966. 424.8 G47
- To secure the hives to the truck.
- 30850 WILLE, H. Excerpts from the Report of activity of the Bee Sections embracing the years 1962-1964. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(11):513-517. (Concl.) Nov.1966. 424.8 Sch9
- This installment: Inspection for disease control.
- 30851 WITTEKINDT, W. Über die Bedeutung von Durchwinden und Schwanzelrundungen im Rahmen des Tanzverhaltens der Honigbiene [The significance of weaving and wagtail round dances within the scope of the dance behavior of the honey bee]. *Bienenrevue* 87:68-74. Mar. 1966. Bee Cul. 424.8 B472

SERICULTURE AND THE SILKWORM

- 30852 BONILHA, N. A., and others. Residual toxicity of pesticides applied to mulberry leaves used as food for silkworms. (Por) *Biologico* 31(12):290-293. Dec.1965. 424.8 B529
- O. C. Abreu, N. D. Netto, and E. Abramides, joint authors.
- Bombyx mori.
- 30853 ENTE NAZIONALE SERICO (MILANO). Campagna bacologica 1966; dati statistici definitivi [Campaign pertaining to silkworms 1966; definitive, statistical data]. *Ente Naz. Serico. Boll. Inform. Seriche* 38(sup.46),16 p. Nov.16,1966. 425.9 En8B
- 30854 FUKAWA, H., and others. Isolation of new isoprenyl alcohols from silkworm [Bombyx mori] feces. *Tetrahedron Lett.* 49:6209-6213. Dec. 1966. 385 T29
- M. Toyoda, T. Shimizu, and M. Murohashi, joint authors.
- 30855 GERSHENZON, S. M. Viral transduction of a hereditary trait in the silkworm. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(3,pt.2):T515-T517. Ref. May/June 1966. 424.9 F31P
- 30856 GUBICZA, A., and GULYASI, O. Breeding of Bombyx mori L. races brought from Poland in Hungary. (Hu) *Magyar Textiltech.* 18(11):536-537. Nov.1966. 304.8 M27
- 30857 HOFFMEISTER, H. Isolation of a new insect hormone from silk-moth [Bombyx mori] pupae. 3 p. *Transl.* 16196
- Translation from *Zeitschrift für Naturforschung* 21b(4):335-336. 1966.
- 30858 SANSHI NENKAN [Yearbook of Sericulture], 1966. Tokyo, Nihon Sanshi Koho Kyokai. various paginæ. 425.8 Sa54



FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- ABRAMSON, E. The Nutrition Foundation is 25 years old. (Sw) Var Foda 18(9):101-104, Sept.1966, 389.8 V26
- ALONSO RODRIGUEZ, B. Investigation in a rural area of diet and nutrition—Moriara (Alicante). (Sp) Oviedo, Univ. Fac. Vet. Leon, An. 11(11):387-416, 1965, 41.9 Ov4
English summary.
- AMERICAN DIETETIC ASSOCIATION. Nutritionists, dietitians, and medicare. Amer. Diet. Ass. J. 50(1):17-25, Jan.1967, 389.8 Am34
Papers prepared for a panel discussion at the 49th annual meeting.
- BEAULIEU, A. Participation of community workers in a nutrition program. Can. Nutr. Notes, 22(9):101-108, Nov.1966, 389.9 C168
- BOGERT, L. J., BRIGGS, G. M., and CALLOE, W. D. H. Nutrition and physical fitness. Ed. 8. Philadelphia, Saunders, 1966, 614 p., map. Ref. TX354.B6
- BUDAPEST, ORSZAGOS ELEMMEZES-ES TAPALKOZASTUDOMANYI INTÉZET. Az Intezet 1964. évi közleményeinek bibliográfiája [Bibliography of 1964 publications of the National Feeding and Nutrition Scientific Institute]. Budapest, 1965, 10 p., 241.64 B852
- CARPENTER, E. A. A half century of progress. Amer. Diet. Ass. J. 50(1):15-16, Jan.1967, 389.8 Am34
Of the American Dietetic Association.
- DARBY, W. J. Nutrition research for the future. Amer. J. Clin. Nutr. 19(3):440-444, Ref. Dec.1966, 389.8 J824
Review of the literature.
- DYMSZA, H. A., and others. Development of nutrient-defined formula diets for space feeding. Food Technol. 20(10):109-112, Ref. Oct. 1966, 389.8 F7398
G. S. Stoewsand, P. Donovan, F. F. Barrett, and P. A. Lachance, joint authors.
- FRANKLE, R. T., SENHOUSE, M. F., and COWELL, C. Project Head Start: a challenge in creativity in community nutrition. J. Home Econ. 59(1):24-27, Jan.1967, 321.8 J82
- GREAVES, J. P., and TAN, J. Vitamin A and carotene in British and American diets. Brit. J. Nutr. 20(4):819-824, Ref. 1966, 389.8 B773
- HEIDELBAUGH, N. D. Space flight feeding systems: characteristics, concepts for improvement, and public health implications. Amer. Vet. Med. Ass. J. 149(12):1662-1671, Ref. Dec.15,1966, 41.8 Am3
- HOOTMAN, R. H., and others. Diet practices and physical development of Iowa children from low-income families. J. Home Econ. 59(1):41-44, Ref. Jan.1967, 321.8 J82
M. B. Haschke, C. Roderuck, and E. S. Eppright, joint authors.
A survey.
- MÄRTENS, E. G. The need for social anthropological outlook in community nutrition programs. Can. Nutr. Notes 22(10):113-119, Dec.1966, 389.9 C168
- MITCHELL, R. G. Nutritional deficiencies in infancy. Roy. Soc. Med. Proc. 59(11):1073-1075, Ref. Nov.1966, 448.9 R814
- PIPER, G. M. Nutrition services in home health agencies. Amer. Diet. Ass. J. 50(1):23-25, Jan.1967, 389.8 Am34
- RIGO, J., SZELENYI, L., and SOS, J. The importance of a magnesium-rich diet for people with magnesium deficiency. (Ge) Vitalst.—Zivilisationskrankheiten 10(6):216-218, Ref. Dec.1965, 389.8 V836
English summary.
- SCARABICCHI, S. Nutritional requirements in infancy: requirements in the chief organic foods. (Sp) Minerva Dietol. 6(3):123-138, July/Sept.1966, 389.8 M66
- SCHWEIGART, H. A. World nutrition and food production of agriculture. (Ge) Vitalst.—Zivilisationskrankheiten 10(6):209-216, Dec.1965, 389.8 V836
English summary.
- SIPPLE, H. L. The Nutrition Foundation's first twenty-five years a quarter century of nutrition science progress. Nutr. Rev. 24(12):353-357, Dec.1966, 389.8 N953
- SMITH, C. E. Dietary services in extended care facilities. Amer. Diet. Ass. J. 50(1):21-23, Jan.1967, 389.8 Am34
- TOROK, J., and WALTNER, K. The practical usefulness of invert sugar in the diet of infants. (Ge) Vitalst.—Zivilisationskrankheiten 10(5):178-179, Oct.1965, 389.8 V836
English summary.
- U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Poultry in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 110, slightly rev., 30 p. Nov.1966, 1 Ag84Hg
Chiefly cookery.

NUTRITIVE AND VITAMIN CONTENT

- BAUER, W. W. Why today's bread is better. Today's Health 44(12):60-64, Dec.1966, 449.8 H993
Enrichment.
- CHAMBERLAIN, N., and others. Studies on the composition of food. 2. Comparison of the nutrient content of bread made conventionally and by the Chorleywood Bread Process. Brit. J. Nutr. 20(4):747-755, Ref. 1966, 389.8 B773
T. H. Collins, G. A. H. Elton, D. F. Hollingsworth, D. B. Lisle, and P. R. Payne, joint authors.
- DELAUTOUCHE, The fresh-water fish in medieval nutrition. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(11):793-798, Ref. June 15/22,1966, 14 P215Bc
- GLASS, R. L. Malting to improve the food and feed value of wheat. U. S. Agr. Res. Serv. ARS-74-35:99-100, Aug.1966, A381 R31Ab
- HALDEN, W. Grain products as basis of modern nutrition. (Ge) L E (Lebensmittel Ernähr.) 19(1):4-6, Nov.1966, 389.8 Z34
- HOBSON, A. About nutrition. Home Econ. Dom. Subj. Rev. 12(6):39. (Cont.) June 1966, 321.8 H759
Nutritive value of eggs and poultry meat.
- HOBSON, A. About nutrition. Home Econ. Dom. Subj. Rev. 12(12):25, Dec.1966, 321.8 H759
Milk and milk products.
- KEVEI, MRS. J. A study into the production of food grade vitamin C stabilizers. (Hu) Budapest. Kozponti Elelmiszeripari Kutatóintézet Közlem. 3:5-7, 1965, 389.9 B85
English summary.
- LEFEVERE, S. The nutritive and dietary value of the thornback. (Fr) Rev. Agr. [Brussels] 19(9):985-995, Ref. Sept.1966, 13 R322
- MATSCHEINER, J. T., and DOISY, E. A. Vitamin K content of ground beef. J. Nutr. 90(3):331-334, Ref. Nov.1966, 389.8 J82
- MESECK, G. The nutritional importance of fishing in its world aspects. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(3):518-526, 1966, 18 C31
Touches upon nutritive value.
- MICKELSEN, O., BOLOURCHI, S., and FRIEDEMANN, C. The value of wheat as food for man. U. S. Agr. Res. Serv. ARS-74-35:46-50, Apr.1966, A381 R31Ab
- NOVELLIE, L. Biological ennoblement and kaffir beer. Food Technol. 20(12):101-102, Dec.1966, 389.8 F7398
- SMITH, K. J., and others. Nutritional evaluation of a precooked dehydrated diet for possible use in aerospace systems. Food Technol. 20(10):101-105, Ref. Oct.1966, 389.8 F7398
E. W. Speckmann, P. A. Lachance, and D. W. Dunco, joint authors.

- 30896 VIRTUES of molasses and honey. Brit. Med. J. 2(5509):348. Aug.6,1966.
Nutritive value.
- 30897 WIRTHS, W. Nutritional importance of grain products with reference to thiamine supply for various population groups. (Ge) Brot Gebäck 20(10):202-203. Ref. Oct.1966. 298.8 G33
- 30898 ZUBECKIS, E. Stability of ascorbic acid in vitaminized tomato juice. Ontario. Hort. Exp. Sta. Rep. 1965:131-133. 1966. 101 On823

FORESTRY

GENERAL

- 30399 BRITISH COLUMBIA. FOREST SERV. List of publications. Victoria, 1965. 8 p. 241.01 B772
- 30900 FORESTRY assistance available to county extension agents from the Texas Forest Service and other public or private organization. Tex. Forest Serv. Circ. 99,6 p.-folder. July 1966. 99.9 T31C
- 30391 FORSTWISSENSCHAFTLICHE HOCHSCHULTAGUNG, MUNICH, 1966. [Abstracts of papers presented on the forestry college session]. (Ge) Forst- Holzwirt 21(22):477-483. Nov. 23, 1966. 99.8 F7724
- 30392 GEORGIOUSE, E. Forestry problems. (Gre) Dassika Chron. 8(96):439-442. Oct. 1966. 99.8 D263
- 30393 GJELSVIK, O. On Spanish forestry and forest industry. (No) Norsk Skogindus. 20(11):466-469. Nov. 1966. 99.82 N81
- 30394 GREAT BRITAIN. FORESTRY COMMISSION. Report on forest research for the year ended March, 1965. London, 1966. 248 p., map. Ref. 99.9 G795Re
- 30395 LINES, R. What are the most important problems in forestry research today? Scot. Forest. 20(4):239-247. Ref. Oct. 1966. 99.8 Sco3 Reprinted from "Y coed wigrw."
- 30396 MALMOHUS LANS SKOGS- OCH BETES- VARDFORENING. Report of Malmohus Forest and Pasture Management Association, 1965. (Sw) Malmohus Lans Hushallingsallsk. Kvartalsskr. 1:105-109. 1966. 11 M29
- 30397 NEW ZEALAND. FOREST SERV. FOREST RESEARCH INSTITUTE. Report for the period 1 January to 31 December 1965. Wellington, 1966. 94 p. 99.9 W46A
- 30398 OSARA, N. A. Wood: world trends and prospects. Pulp Pap. Mag. Can. 67(12):90-92, 95. Dec. 1963. 302.3 P93
Forestry and forest industries.
- 30399 TAIWAN. SHENG LIN WU CHU. T'ai-wan sheng lin wu chu yeh wu chien chieh [Forestry in Taiwan]. Taipei, 1965. 17 p. SD226.T3A3
Text in Chinese and English.
Chiefly statistics.
- 30310 VERSTEEGH, P. J. D. Notes on tropical forestry development and aerial photo interpretation. Int. Training Centre Aerial Surv. Publ. B-34. 21 p., map. Spring 1966. 325.29 In82
- 30311 VOICHAL', P. I. First Russian forestry dictionary. (Rus) Les. Zh. 2:174. 1965. 99.8 Iz8
- 30312 WECK, J., ed. Worterbuch der Forstwirtschaft; Deutsch, Englisch, Franzosisch, Spanisch, Russisch. Dictionary of forestry; German, English, French, Spanish, Russian. Munich, Bayerischer Landwirtschaftsverlag, 1966? 572 p. SD125.W4

EDUCATION

- 30313 NICHOLLS, J. M. 4-H forestry manual. Wyo. Univ. Ext. [4-H Club. Circ.] Fy-5-66, 67 p., map. Apr. 1966. 275.29 W99Fc
Teaching.
- 30314 PACHER, J. The 150th anniversary of the designation of Cotta's private forestry school as the Royal Saxonian Forestry Academy of Tharandt. (Ge) Allg. Forst- Jagdzeitung 137(12):287-290. Ref. Dec. 1966. 99.8 AL3
- 30315 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Forestry record book. Wyo. Univ. Ext. [4-H Club. Circ.] Fy-5a-66, 15 p. 1966. 275.29 W99Fc
Teaching.

FOREST RESOURCES

- 30316 ESPELAND, T. Some notes on the forest in Aust-Agder. (No) Norsk Skogbruk 11(17):538-539. Sept. 1965. 99.8 N815

- 30317 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FOREST AND FOREST PRODUCTS DIV. World forest inventory. No. 4. 1963. Roma, 1963. 113 p., map. 99.9 F739W
Text in English, French and Spanish.
Economic Commission for Europe, cooperating.
- 30318 GUERNSEY, R. L. Idaho's timber supply now greater than ever. West. Conserv. J. 23(1):35. Mar. 1966. 279.8 W526
- 30319 HAFSTEN, U. The northernmost beech forest in the world is protected. (No) Norsk Natur 20(1):7-8. Feb. 1966. S900.N6
- 30320 MOK, S. T. A note on the forest resources of Temerloh District, Pahang. Malayan Forest. 29(3):204-208. map. July 1966. 99.8 M292
- 30321 UTLEG, J. L. Forest resources of the Philippines. Lumberman [Manila] 12(5):18, 69-71. Aug./Sept. 1966. 99.81 L9793

FOREST INFLUENCES

- 30322 DVORNIKOV, V. Effectiveness of the wind-breaks. (Rus) Zemledelie 11:56-60. Nov. 1966. 20 Z44
Planting and influences.
- 30323 FLIERMAN, J. How can we get a good wind-break as fast as possible? (Du) Ned. Fruitte- lers Organ. Berichtenbl. 22(11/12):250-251. Nov./Dec. 1966. 99.9 N28
For orchards.
- 30324 HOWELL, R., and NEUSTEIN, S. A. The influence of geomorphic shelter on exposure to wind in northern Britain. Great Brit. Forest. Comm. Rep. Forest Res. 1965:201-203. 1966. 99.9 G795Re
- 30325 KHRAMENIK, A., and ZHERETTSOV, V. Windbreaks around ponds. (Rus) Zemledelie 11:61-62. Nov. 1966. 20 Z44
- 30326 KOMLEV, A. A. Field-protective afforestation and the increase in financial yield of agriculture. 4 p. (TT 66-51094) Transl. 16275
Grain yields.
Translation from Sel'skoe Khozyaistvo Povolzh'ya 6(12):43-45. 1960.
CFSTI: \$1.00.
- 30327 PATRIC, J. H. Rainfall interception by mature coniferous forests of southeast Alaska. J. Soil Water Conserv. 21(6):229-231. Ref. Nov. Dec. 1966. 56.8 J622
- 30328 ROMANOV, A. A. Interrelationships of tree and shrub species in field-protective forest plantations. 6 p. (TT 66-51086) Transl. 16288
Translation from Agrobiologiya 2(116):252-257. 1959.
CFSTI: \$1.00.
- 30329 RUDNEV, N. I. Radiational balance of some types of forest vegetation in the forest-steppe zone. (Rus) Akad. Nauk SSSR. Izv. Ser. Geogr. 6:32-42. Nov./Dec. 1966. 331.9 Ak12
- 30330 SCHOMAKER, C. E. The effect of forest and pasture on the disposition of precipitation. Maine Farm Res. 14(2):4-13. July 1966. 100 M28Ma
Precipitation measurement in relation to watershed management.
- 30331 TOMANEK, J. The influence of the underwood and undergrowth on the interception of precipitation in mixed forest (Pineto-Quercetum Kozl.). (Pol) Warsaw. Szkola Glowna Gosp. Wiejsk. Lesnictwo 7:7-38. Ref. 1965. 99.9 W262
English summary.
- 30332 BRENNAN, E., LEONE, I. A., and DAINES, R. H. Response of pine trees to chlorine in the atmosphere. Forest Sci. 12(4):386-390. Ref. Dec. 1966. 99.8 F7632
Injuries.
- 30333 CADMAN, W. A. Fallow deer. Great Brit. Forest. Comm. Leaflet. 52, 39 p. 1966. 99.9 G795L
Includes damages caused in forests and control.

- 30334 CHARD, J. S. R. The red deer of Furness Fells. *Forestry* 39(2):135-150, map. 1966. 99.8 F767
Includes damage and control.
- 30335 NEWFOUNDLAND FOREST PROTECTION ASSOCIATION. Annual report, 1966. n.p., 1966. 92 p., map. 99.9 N456
- 30336 OLSCHOWY, G. Industrial emission damages and forest—damages on forests and protection by forest. (Ge) *Forst- Holzzeit* 21(22):487-493. Ref. Nov. 23, 1966. 99.8 F7724
- 30337 PYATT, D. G. The soil and windthrow survey of Newcastle Forest, Roxburghshire. Great Brit. Forest. Comm. Rep. Forest Res. 1965:204-206. 1966. 99.9 G795Re
- 30338 RAKHOV, V. A. Effect of the rise of underground waters on the growth and state of Scots pine in the shore zone of the Kulyshyev reservoir. (Rus) *Les. Zh.* 2:44-47. 1965. 99.8 Iz8
Causing damage.
- 30339 ROWE, J. J. Mammals and birds. Great Brit. Forest. Comm. Rep. Forest Res. 1965:67-68. 1966. 99.9 G795Re
Forest pest control.
- 30340 SOLOV'EV, B. P. Wind breakage and windfall in the forest. (Rus) *Les. Zh.* 2:51-52. 1965. 99.8 Iz8
Pine stands.
- Forest Fire Prevention and Control
- 30341 FOSBERG, M. A., O'DELL, C. A., and SCHROEDER, M. J. Some characteristics of the three-dimensional structure of Santa Ana winds. U. S. Forest Serv. Res. Paper PSW-30, 35 p., map. Ref. 1966. A99.9 F7652P
Effects on forest fire behavior.
- 30342 ROMASHIN, V. P. Laboratory apparatus for studies in forest fire research. (Rus) *Les. Zh.* 3:171-173. 1965. 99.8 Iz8
- 30343 THOMAS, P. H., and LAW, M. Experiments on the spread of fire. Great Brit. Forest. Comm. Rep. Forest Res. 1965:124-130. 1966. 99.9 G795Re
- 30344 WILLIAMS, D. E. Detecting forest fires by airborne infra-red electronics. Pulp Pap. Mag. Can. 67(12):WR565-WR587. Dec. 1966. 302.8 P96
- 30345 WILLIAMS, E. B., and SMITH, A. D. Appraising fire damage to timber. *Forest Farmer* 26 (3):9-10, 14. Dec. 1966. 99.8 F7692
- FOREST MANAGEMENT
- 30346 AGE, P. J. A community forest is organized. (Sw) *Skogen* [Stockholm] 52(23):460-462, map. Nov. 25, 1965. 99.8 Sk51
- 30347 AUSTRALIA. FORESTRY AND TIMBER BUR. Annual report for the year 1965. Canberra, 1965. 59 p. 99.9 Au723A
- 30348 BECKING, J. H. Problems of modern cultural forestry. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(6):250-259, map. June 1966. 12 N282
Multiple use; includes costs and returns.
- 30349 BENTLEY, W. R., and FIGHT, R. D. A zero interest comparison of forest rent and soil rent. *Forest Sci.* 12(4):460. Dec. 1966. 99.8 F7632
- 30350 CHEREVAN', E. G. Utilization of the pre-scribed cut in the regions of northwestern Russian SFSR. (Rus) *Les. Zh.* 3:71-76. 1965. 99.8 Iz8
- 30351 COSTEA, C. Problems in the introduction of socialist management in silviculture in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:37-45. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Translation from *Revista Padurilor* 8:434-438. Aug. 1966.
Issued by CFSTI.
- 30352 DUTILLOY, P. Technique economique de gestion forestiere [Economic technique in forest management]. Paris: Federation des Syndicats de Producteurs de Pates pour Papiers et Textiles Artificiels, 1966. 119 p. SD393.D8
Accounting.
- 30353 FRUTCHEY, F. P., and WILLIAMS, W. K. Motivations of small-woodland owners; a summary of nine state studies. U. S. D. A. Fed. Ext. Serv. ER&T-62, 15 p. Apr. 1965. A99.551 F94
- 30354 GASPAR, J. Management of recreational forests. (Fr) *Soc. Roy. Forest. Belg. Bull.* 73 (3):163-168. Mar. 1966. 99.9 B83
- 30355 GOULD, W. P. Psychology—not biology—handicaps forest development, but tree farms can help overcome fragmented ownership and goals. *R. I. Agr.* 12(4):1-2. Oct. 1966. 100 R342
- 30356 HEDRICK, D. W., and KENISTON, R. F. Grazing and Douglas-fir growth in the Oregon white-oak type. *J. Forest.* 64(11):735-738. Ref. Nov. 1966. 99.8 F768
- 30357 HIRS, M., ed. Tatransky Narodny Park [Tatra National Park]. Ed. 3. Bratislava: Obzor, 1966. 208 p. SD639.C9573
- 30358 HODGKINS, E. J., and WATSON, W. J. Converting hardwood thickets to pine forests. *Highlights Agr. Res.* [Ala. Sta.] 13(4):6. Winter 1966. 100 AL1H
- 30359 JAMES, G. A., and RICH, J. L. Estimating recreation use on a complex of developed sites. U. S. Forest Serv. Res. Note SE-64, 8 p., map. Sept. 1966. A99.9 F7623Un
North Carolina.
- 30360 LUITJES, J. Danger from poor upkeep of forests. (Du) *Ned. Bosbouw Tijdschr.* 38(10):379-380. Oct. 1966. 99.8 N28
- 30361 MUTCH, W. E. S. Forest management for multiple use. *Arbor* 4(3):27-30. 1966. 99.8 Ar17
- 30362 NIGERIA. NORTHERN REGION. FOREST ADMIN. Annual report, 1964-65. Kaduna, 1966. 52 p., map. 99.9 N565
- 30363 OPENSHAW, K. A criticism of the report of the Land Use Study Group. *Scot. Forest.* 20(4):280-287. Ref. Oct. 1966. 99.8 Sco3
Conducted by the Department of Education and Science and compares the financial yields between forestry and agriculture.
- 30364 OVINGTON, J. D. Woodlands. London, English Universities Press, 1966. 154 p. Ref. (Modern Biology Series) QH541.5.F508
Forest management.
- 30365 PERSSON, P. E. Forests and nature conservation. (Sw) *Malmohus Lans Hushallnings-sallsk. Kvarltalsskr.* 1:119-122. 1966. 11 M29
- 30366 PIRVULESCU, S. The application of socialist management to silviculture activities. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 502:25-28. Dec. 9, 1966. (JPRS 39,041; TT 66-35464) 173 J663Ste
Rumania.
Translation from *Revista Padurilor* 8:432-433. Aug. 1966.
Issued by CFSTI.
- 30367 RIIHINEN, P. Economic and social behaviour of forest-owners in Ostrobothnia. (Fi) *Metsaloudellinen Aikakauslehti* 83(11):457-458, 461. Nov. 1966. 99.9 F49
English summary.
- 30368 RISDAL, M. Hardwood forestry at Agder. (No) *Norsk Skogbruk* 11(17):544-545. Sept. 1965. 99.8 N815
- 30369 SONNIER, J. Management of community forests in western Basses-Alpes. (Fr) *Rev. For. ext. Franc.* 7:488-511, map. July 1966. 99.8 R329
- 30370 SOUTH CAROLINA. STATE COMMISSION OF FORESTRY. Report for the year July 1, 1965 to June 30, 1966 by J. R. Tiller. Columbia, 1966. 106 p. 99.9 So83
- 30371 STERZIK, H. K. Multiple use of hydraulics in forestry. (Ge) *Forsttech. Inform.* 10:73-80. Ref. Oct. 1966. 99.8 F7794
- 30372 STREYFFERT, T. Tropical forestry—a future competitive factor. (Sw) *Skogen* [Stockholm] 52(23):450-452, 459. Nov. 25, 1965. 99.8 Sk51
Pulpwood supply.
- 30373 SURINAM. DIENST LANDSBOSBEHEER. Jaarverslag [Annual report of the Forest Service], 1965. Paramaribo, 1966. 59 p. 99.9 D95
English summary.

- 30.374 TIT, T. Scientific organization of production in forestry. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 445:119-124. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J6633Ste
In Rumania.
Translation from Muncitorul Forestier. Mar. 23, 1966.
Issued by CFSTL.
- 30.375 U. S. FOREST SERV. Gifford Pinchot National Forest; progress report, 1966. Vancouver, Washington, 1967. 20 p., map. A99.9 G36
- 30.376 U. S. FOREST SERV. Multiple use management; forest conservation for a growing nation. U. S. D. A. PA-7708, p.-folder. Sept. 1966. 1 Ag84Pro
- 30.377 U. S. FOREST SERV. Winema National Forest; multiple use progress for 1965. Klamath Falls, Oregon, 1966. 22 p., map. ASD428.W5A3
- 30.378 VIADO, J. Forest conservation: a constitutional mandate. (Excerpts.) Lumberman [Manila] 12(5):14,16. Aug./Sept. 1966. 99.8 L9793
- 30.379 WESTERN AUSTRALIA. FORESTS DEPT. Report on the operations for the year ended 30th of June, 1966 by A. C. Harris. Como, 1966. 47 p. 99.9 W52A
- 30.380 WURZ, R. Mountain farm forestry. (Ge) Forderungsdienst 14(spec.no.2):38-43. May 1966. 19 F75
Includes a review of Austrian forestry and lumber industry and its position with reference to those in Europe.
- 30.381 ZEHETMAYER, J. W. L. Planning for productivity. Arbor 4(3):31-35. 1966. 99.8 Ar17
Scotland.
- 30.382 ZETTERGREN, L. SLIPS reduces cost in forestry. (Sw) Jord Skog 18(5):19-21. 1966. 58.8 M373
Data processing in forestry.
- 30.383 ZIEGLER, S., and OELSCHLEGEL, G. New regulations concerning management of cooperative and private forests in East Germany. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 445:39-46. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J6633Ste
Translation from Die Sozialistische Forstwirtschaft 16(5):137-140. May 1966.
Issued by CFSTL.
- 30.384 ZWEI HANDE voller Samenkorner—ein Wald [Two handfuls of seed grain—a forest]. Wien, Bundesministerium für Land- und Forstwirtschaft, Forstsektion, 1966. 132 p., map. SD187.Z8
Forest management in Austria, chiefly.
- Forest Description and Mensuration
- 30.385 ΔFANAS'EV, A. V. Indices of viability and state of spruce. (Rus) Les. Zh. 3:170. 1965. 99.8 I28
Growth.
- 30.386 ASTERES, K. Inside bark of black pine [Pinus nigra] in Zagora, Epirus in connection with stump diameter. (Gre) Daskika Chron. 8(96): 460-468. Ref. Oct. 1966. 99.8 D263
- 30.387 ATTITWILL, P. M. A method for estimating crown weight in Eucalyptus, and some implications of relationships between crown weight and stem diameter. Ecology 47(5):795-804. Ref. Late Summer, 1966. 410 Ec7
Eucalyptus obliqua.
- 30.388 BUCKMAN, R. E. Estimation of cubic volume of shrubs (Corylus spp.). Ecology 47(5):858-860. Late Summer, 1966. 410 Ec7
Corylus cornuta and C. americana.
- 30.389 CHACKO, V. J., and NEGI, G. S. A statistical study of the spatial distribution of dead trees in a Casuarina [equisetifolia] plantation. Sankhya, Ser. B. 27(3/4):211-224. Ref. Dec. 1965. 251.8 IN2B
- 30.390 DUDEK, A. A comparison of the volume increment intensity of trees in Scotch pine stands of 4th and 5th age classes. (Pol) Warsaw, Szkoła Główna Gosp. Wlejsk. Lesnictwo 7:99-113. Ref. 1965. 99.9 W262
English summary.
- 30.391 DUFF, G. Yield tables for unthinned stands of the green varieties of Pinus contorta in New Zealand. Wellington, Forest Res. Inst. Tech. Pap. 50,35 p., map. 1966. 99.9 W46T
- 30.392 FRAYER, W. E. Weighted regression in successive forest inventories. Forest Sci. 12(4): 464-472. Ref. Dec. 1966. 99.8 F7632
- 30.393 GUSSONE, H. A. The measurement of young Scots pine stands, an investigation based on results of fertilizing experiments in Gades-Ehra. (Ge) Allg. Forst- Jagdzeitung 137(12):269-286. Ref. Dec. 1966. 99.8 AL3
English summary.
- 30.394 HETHERINGTON, J. C., and PAGE, G. Forest site evaluation with particular reference to soil and physiographic factors. Univ. Coll. Wales, Welsh Soils Discuss. Group. Rep. 6:58-70. Ref. 1965. 56.9 UN32
Includes discussion.
- 30.395 INTERNATIONAL meeting on increment studies, Tharand, 1965. (Ge) Arch. Forstwesen 15(8):905-919. 1966. 99.8 Ar22
Abstracts of papers.
- 30.396 KATSANOS, A. Dominant height and parameters of a normal planted forest. (Gre) Daskika Chron. 8(96):456-459. Oct. 1966. 99.8 D263
- 30.397 KOPP, D. Sites and vegetation of the Bugac Forest (Hungary), situated in the region between the rivers Danube and Tisza. (Ge) Arch. Forstwesen 15(8):879-904, map. Ref. 1966. 99.8 Ar22
English summary.
Site mapping.
- 30.398 KWAN, W. Y. Crown diameter/bole diameter relationship of Dyera costulata and its planting distance and crop density. Malayan Forest. 29(3):163-169. July 1966. 99.8 M292
- 30.399 LEVITSKII, I. I. Structure of black poplar stands with respect to diameter. (Rus) Les. Zh. 2:39-41. 1965. 99.8 I28
- 3.000 MAKARENKO, A. A. Effect of stand density on indices of mensurational values. (Rus) Les. Zh. 2:6-9. 1965. 99.8 I28
Pine stands.
- 3.001 MURARO, S. J. Lodgepole pine [Pinus contorta latifolia] logging slash. Can. Dep. Forest. Publ. 1153, 14 p. 1966. 99.9 C1628P
Measurement comparisons.
- 3.002 NEVOLIN, O. A. Use of data processing equipment in study of mixed stands. (Rus) Les. Zh. 2:153-158. 1965. 99.8 I28
Mensurational studies.
- 3.003 O'REGAN, W. G., and ARVANITIS, L. G. Cost-effectiveness in forest sampling. Forest Sci. 12(4):406-414. Ref. Dec. 1966. 99.8 F7632
- 3.004 SEMENCHENKO, N. N. A new way of determining stand volume. (Rus) Les. Zh. 2:168-169. 1965. 99.8 I28
- 3.005 SHELEV, I. A method for determining diameter increment during a vegetation period. (Ge) Arch. Forstwesen 15(8):811-815. 1966. 99.8 Ar22
English summary.
- 3.006 SKRAMO, G. Forest photogrammetry in Sweden. (No) Tidskr. Skogbruk 73(4):452-498, map. Ref. 1965. 99.8 T432
- 3.007 SOKOLOV, N. N., and LEVIN, V. I. Structure and growth of typical pure Scots pine stands in the Archangel Region. (Rus) Les. Zh. 2:28-30. 1965. 99.8 I28
- 3.008 STELLINGWERF, D. A. Practical applications of aerial photographs in forestry and other vegetation studies. Int. Training Centre Aerial Surv. Publ. B-36-38, 3 nos. 1966. 325.29 IN82
Text in English, French, Spanish.
Photographs in pockets.
- 3.009 TRET'YAKOV, N. V., GORSKII, P. V., and SAMOILOVICH, G. G. Spravochnik taksatora; tabitsy dlya taksatsii lesa [Manual for a timber cruiser; tables for forest valuation]. Ed. 2, rev. Moskva, Lesnaya Promyshlennost', 1965. 458 p. SD557.T7
- 3.010 ULLEN, G. Classification of forest land. (Sw) Skogen [Stockholm] 52(23):463-464. Nov. 25, 1965. 99.8 Sk51

- 3.0111 WORRALL, J. A method of correcting dendrometer measures of tree diameter for variations induced by moisture stress change. *Forest Sci.* 12(4):427-429, Dec. 1966, 99.8 F7632
- 3.0112 YABLOKOV, A. N. A standard system for comparison of results of calculating roundwood volume by different methods. (Rus) *Les. Zh.* 2:159-166, 1965, 99.8 Iz8
- 3.0113 YEOM, F. B. C., and SANDRASEGARAN, K. Growth and yield of Yemane (*Gmelina arborea* Roxb.). *Malayan Forest.* 29(3):140-153, Ref. July 1966, 99.8 M292
- 3.0114 ZAEV, N. E. Quantitative relation between basal area of stem and branches in some woody plants. (Rus) *Les. Zh.* 2:167, 1965, 99.8 Iz8 Poplar and birch.
- 3.0115 ZAREBA, R. Forest site types according to P. S. Pogrebniak and D. W. Worobow in the Rogow Experimental Forest, Warsaw Agricultural University [Lasy Doswiadczalne, Szkoła Główna Gospodarstwa Wiejskiego]. (Pol) *Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnic-two* 7:55-78, Ref. 1965, 99.9 W262 English summary.
- Policies and Programs
- 3.0116 BJORKMAN, S. O. Regional forestry planning in Norra Rorun Parish. (Sw) *Malmoens Lans Hushallningssallsk. Kvarntalsskr.* 1:116-119, 1966, 11 M29
- 3.0117 RIHINEN, P. Problems of European forest policy. (Fi) *Metsataloudellinen Aikakauslehti* 83(11):440-441, Nov. 1966, 99.9 F49 English summary.
- 3.0118 ROBERT, J. F. A draft of forestry policies. (Fr) *Ann. Agr.* 6:25-27, 29-33, 35-37, 1966/1967, 17 An73 In Switzerland.
- 3.0119 TAIWAN, LIN WU CHU. *Chih shu chieh* [Arbor Day]. Taipei, 1966, 35 p. SD363.T3
- Legislation and Taxation
- 3.0120 ADOMAT, R. Pre-turnover and pre-turnover taxation of forestry in the planned net turnover taxation. (Ge) *Forst- u. Holzwirt* 21(22):483-487, Nov. 23, 1966, 99.8 F7724
- 3.0121 BRUCKMULLER, P., and SCHMITTNER, F. Die land- und forstwirtschaftlichen Gemeinschaften und die Einfuhrungsrechte in Osterreich [Agricultural and forestry associations and the Afforestation Law in Austria]. *Forderungsdienst* 14(11):50 p. Ref. Jan. 1966, 19 F75 Includes section by J. Mullner.
- 3.0122 LANGSAETER, A. Law on forestry production and forest protection of May 21, 1965. *Norsk Skogbruk* 11(21):682-683, Nov. 1965, 99.8 N815
- 3.0123 MCNEILL, H. M. Timber taxation at the state and local level. *Forest Farmer* 26(3):6-8, 18-19, Dec. 1966, 99.8 F7692
- 3.0124 ZELTNER, E. Forestry and wood in the French surplus value taxation. (Ge) *Forst- u. Holzwirt* 21(21):466-468, Nov. 8, 1966, 99.8 F7724
- FOREST PRODUCTS AND UTILIZATION**
- 3.0125 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, DIV. OF FOREST PRODUCTS. Annual report, 1965-66. Melbourne, 1966, 70 p. 99.9 Au722R
- 3.0126 BRITISH COLUMBIA, FOREST SERV. Half-yearly register of timber, log salvage, and licence to cut marks, Volume I, list No. 163, corrected to September 30, 1966. n. p., 1966, 313 p. 99.9 B77H
- 3.0127 DAHM, H. P. Use of green wood in the forest industry. (No) *Norsk Skogbruk* 11(21):684-685, Nov. 1965, 99.8 N815 Logs.
- 3.0128 HOLTAM, B. W. Utilisation development. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:76-78, 1966, 99.9 G795Re
- 3.0129 KLEIN, E. L., and HOPKINS, W. C. Secondary wood-using industries of Louisiana. *La. Agr. Exp. Sta. Res. Release, LSU (La. State Univ.) Wood Util. Notes* 5, 2 p. Sept. 1966, 99.8 L933
- 3.0130 KOCSMAR, F. On the planned new prices of wood products. (Hu) *Erdogazdasag Faipar* 20(11):2-4, Nov. 1966, 99.8 Er2
- 3.0131 LANGMOEN, O. On production and trade conditions in the timber industry. (No) *Norsk Skogindus.* 20(11):460-465, Nov. 1966, 99.82 N81 English summary.
- 3.0132 MANALAC, G. S. Forest industries in nation building. *Lumberman* [Manila] 12(5):40, 58, 60, 60A, Aug./Sept. 1966, 99.8 L9793
- 3.0133 MILEWSKI, A. Wood economy—the issue of the day. (Pol) *Przem. Drzewny* 17(4):24-26, Apr. 1966, 99.82 P95
- 3.0134 PRZYBORSKI, Z. Two-year program of technical development. (Pol) *Przem. Drzewny* 16(10):366-368, Oct. 1965, 99.82 P95 Wood products industry.
- 3.0135 ROXAS, S. K. Pre-investment survey & project studies in the wood industries development. *Lumberman* [Manila] 12(5):38, 56, 58, Aug./Sept. 1966, 99.8 L9793
- 3.0136 SREDA, N. S. Ratsional'noe ispol'zovanie graba v narodnom khozyaistve [Efficient utilization of hornbeam [*Carpinus*] wood in national economy]. *Moskva, Lesnaya Promyshlennost'*, 1965, 90 p. Ref. TS820.54
- 3.0137 SKJELMERUD, H. The trend in European timber industry and FAO/ECE's prognosis of the European timber consumption 1975. (No) *Norsk Skogindus.* 20(11):423-427, Nov. 1966, 99.82 N81
- 3.0138 SOCIETY OF WOOD SCIENCE AND TECHNOLOGY, ABSTRACT COMMITTEE. Abstracts on review, 2. Theses reflect current trends in research. *Forest Prod. J.* 16(12):48-55, Dec. 1966, 99.9 F7662J Forest products.
- 3.0139 STATKOV, N. Status and prospects of development of the forest exploitation industry in Bulgaria. *U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus.* 502:1-7, Dec. 9, 1966, (JPRS 39,041; TT 66-35464) 173 J6635te Translation from *Revista Padurilor* 81(9): 492-494, Sept. 1966, Issued by CFSIT.
- 3.0140 U. S. FOREST SERV. Forest products utilization and marketing assistance for woodland owners, loggers, processors. *U. S. D. A. PA-752, 8 p.-folder.* Dec. 1966, 1 Ag84Pro
- 3.0141 U. S. FOREST SERV. Profits in the Western timber industries. Washington, 1966, 88 p. aHD9757.A4
- 3.0142 ZIVNUSKA, J. A. A look at world wood. *Forest Prod. J.* 16(12):15-19, map, Dec. 1966, 99.9 F7662J Marketing and trade situation.
- Lumbering and Logging
- 3.0143 AMLE, E. Log skidding, snaring of bucked logs with bark removed with Massey Ferguson tractor and Rollum winch. (No) *Tidsskr. Skogbruk* 73(4):387-392, 1965, 99.8 T432
- 3.0144 ARVESEN, A. Debarking of 2- and 3-meter pulp logs with tractor mounted debarking machines. (No) *Tidsskr. Skogbruk* 73(4):423-451, Ref. 1965, 99.8 T432
- 3.0145 ARVESEN, A. Experiences with the use of tire belts and chain all year round. (No) *Tidsskr. Skogbruk* 73(4):380-383, 1965, 99.8 T432 Log hauling by tractor.
- 3.0146 BEILIN, I. YA. Determination of holding power of screw anchors as a function of turning force developed during installation. (Rus) *Les. Zh.* 2:71-74, 1965, 99.8 Iz8 Used to hold timber-floating installations.

- 3.017 BEREZHNOV, N. G. Effect of air temperature on the friction coefficient of materials on snow. (Rus) Les. Zh. 2:62-64. 1965. 99.8 Iz8
Comparison between plastics and metals for runners of timber-transport sleds.
- 3.044 BERG, H. New forest and logging road. (No) Norsk Skogbruk 11(18):579-583. Sept. 1965. 99.8 N815
In connection with log transportation.
- 3.049 BROBAKKEN, A. Practical experiences with the driving of tractor with power steering during log hauling. (No) Tidsskr. Skogbruk 73(4): 377-379. 1965. 99.8 T432
- 3.050 CHKALKIN, K. A. Study of the dynamics of mechanisms in the bundle-sorting unit of flow-line in relation to forming of raft sections. 2. (Rus) Les. Zh. 2:57-61. 1965. 99.8 Iz8
- 3.051 DEVRIES, J. The costing of chain saws. Australian Timber J. Building Prod. Merchandise 32(9):37. Oct. 1966. 99.81 Au7
- 3.052 DMITRIYEV, A. F. Local scouring of down-streams from timber-floating dams. (Rus) Les. Zh. 3:65-70. 1965. 99.8 Iz8
- 3.053 GASTEY, B. G., and BILYK, B. V. Effect of longitudinal profile of the road on the working regime of a timber lorry. (Rus) Les. Zh. 3: 55-59. 1965. 99.8 Iz8
- 3.054 KNIGHT, W. T. Mechanical logging for pulpwood in Gippsland, Victoria. APPITA (Austrian Pulp Pap. Indus. Tech. Ass.) 20(2):62-66. Sept. 1966. 302.8 Au7
- 3.055 KOEPF, E. U. Logging costs: free changes in Germany. World Wood, Oct. 1966(spec. sect.): 17-19, 21. 99.8 W89
- 3.056 MOODIE, R. L. Selection of a logging and chip processing system. Southern Pulp Pap. Manufacturer 29(12):72-73. Dec. 10, 1966. 302.8 So8
- 3.057 PAVILOV, F. A. Effect of the structure and temperature of snow on its compactability. (Rus) Les. Zh. 2:53-56. 1965. 99.8 Iz8
In relation to snow road construction.
- 3.058 PETTERSEN, F. C. Transportation with owner operated tractor versus transportation with rental truck. (No) Norsk Skogbruk 11(19):611-612. Oct. 1965. 99.8 N815
Cost of log transportation.
- 3.059 RAKHIMANOV, S. I. The working regime of spar- and jib-type winch installations. (Rus) Les. Zh. 3:50-54. 1965. 99.8 Iz8
- 3.060 SHVARTS, D. M. Laboratory investigations on vibro-compaction of log bundles. (Rus) Les. Zh. 3:60-64. 1965. 99.8 Iz8
Packing of logs.
- 3.061 SKAAR, R. Skidding and log transportation in Southern States forestry. (No) Norsk Skogbruk 11(18):573-573. Sept. 1965. 99.8 N815
- 3.062 SLATTEN, T., and AMLE, E. Salvage of sinkers with cableway crane. (No) Tidsskr. Skogbruk 73(4):412-422. 1965. 99.8 T432
- 3.063 SOLBRAA, O. The operation plan in the experimental forest in Hurdal 1964/65. (No) Tidsskr. Skogbruk 73(4):362-376. 1965. 99.8 T432
Chiefly log hauling by tractor.
- 3.064 STAAF, A. Coordination of mechanized working operation in logging and transportation. (Sw) Skogen [Stockholm] 52(22):428-431. Nov. 11, 1965. 99.8 Sk51
- 3.065 STADLELAND, K., and OY, H. Automobile forest roads in Sweden. (No) Norsk Skogbruk 11(17):560-561. Sept. 1965. 99.8 N815
- 3.066 STAN, I. Dynamic loads in the cables of aerial cableway, VTU-3, during hoisting the load to carriage. (Rus) Les. Zh. 2:75-81. 1965. 99.8 Iz8
- 3.067 STREHLKE, B. Lumbering in tropical rain forests of west Africa. (Ge) Forst- Holzwirt 20(3):41-44. Feb. 8, 1965. 99.8 F7724
- 3.068 STROMNES, R. Log skidding operation with agricultural tractors. (No) Tidsskr. Skogbruk 73(4):393-411. 1965. 99.8 T432
- 3.069 SULKHANOV, P. P., BUTIN, P. N., and POPOV, L. N. Study of dynamics of specialized, broad-gauged coupled installation for transportation of long logs. (Rus) Les. Zh. 2: 89-93. 1965. 99.8 Iz8
- 3.070 WASHINGTON, DEPT. OF NATURAL RESOURCES. 1965 timber harvest report. n.p., 1965. 75 p. 99.9 W272T
- 3.071 WILLIS, A. W. Scissor type logging tongs. Australian Timber J. Building Prod. Merchandise 32(9):33. Oct. 1966. 99.81 Au7
For loading.
- Sawmills
- 3.072 KARLSEN, K. The sawmill industry use much lumber. (No) Norsk Landbruk 14:15-10-11, 24-26. July 15, 1966. 11 N8122
- 3.073 KUZNETSOV, V. M. Analysis of methods of moving of saws in circular-saw edgers. (Rus) Les. Zh. 3:156-162. 1965. 99.8 Iz8
- 3.074 LAGOWSKI, T., and MORDWILKO, A. Using electronic computer for planning production in the sawmill industry. (Pol) Przem. Drzewny 16(7):247-249. July 1965. 99.82 P95
- 3.075 MALCOLM, F. B., and REINEKE, L. H. Knee position recorder for sawmill carriage head-blocks. U. S. Forest Serv. Res. Note FPL-0139.12 p. Aug. 1966. A99.9 F7634Un
- 3.076 MILCHERT, W. General standards for appraising the economic performance of sawmills. (Pol) Przem. Drzewny 17(11):4-6. Nov. 1966. 99.82 P95
- 3.077 OHARA, M. Gang saw and sawing. 2. 10 p. Transl. 16270
Translation from Mokuzai Kogyo 20(12):14-17. 1965.
- 3.078 POTYARKIN, L. P. Linetostatic calculation on frame saws having a stroke of 600 and 700mm. (Rus) Les. Zh. 3:113-120. 1965. 99.8 Iz8
- 3.079 SIMONS, E. N. The evolution of the saw. 2. Wood [London] 31(11):37-40. Nov. 1966. 99.82 W855
- 3.080 THUNELL, B., and WALLIN, G. Measurement of cutting forces in frame saws. Pap. Puu 48 (11):683-686, 690-691, 693-695. Ref. Nov. 24, 1966. 302.8 P1991
- 3.081 TRUBNIKOV, I. I. Stresses in band-saw blades subjected to surface tensioning. (Rus) Les. Zh. 2:104-108. 1965. 99.8 Iz8
- 3.082 WATSON, G. An economic study of mill waste utilisation for dry kiln operation. New Zeal. Timber J. 13(1):56-58. Sept. 1, 1966. 99.81 N482
- 3.083 ZHELUDKOV, A. A major reserve for improving the Soviet lumber industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 145:3-12. Oct. 11, 1966. (JPRS 38,091; TT 66-34518) 173 J663Tro
Location of sawmills.
Translation from Planovoe Khozyaistvo 8: 17-24. Aug. 1966.
Issued by CFSTI.
- Processing and Woodworking
- 3.084 BAKAY, I., and BOTKA, Z. Present status of use of plastics in wood industry. (Hu) Faipar 16(11):349-353. Nov. 1966. 99.82 F14
- 3.085 BORISOV, V. N., and ZOLOTAREV, G. B. Compressed wood of Siberian larch as an anti-friction material. (Rus) Les. Zh. 3:95-100. 1965. 99.8 Iz8
Larix sibirica.
- 3.086 HARRISON, L. R. Woodworking: advanced unit. Wyo. Univ. Ext. [4-H Club. Circ.] W-10-66, 78 p. June 1966. 275.29 W99Fc
- 3.087 MACK, J. J. The strength and stiffness of nailed joints under short-duration loading. Australia Commonwealth Sci. Indus. Res. Organ. Div. Forest Prod. Technol. Pap. 40, 28 p. Ref. 1966. 99.9 Au75
- 3.088 MAYES, L. J. Woodland turners. Wood [London] 31(12):37-39. Dec. 1966. 99.82 W855
- 3.089 WHITESIDE, I. D. Radiata as exterior joinery timber. 2. New Zeal. Timber J. 13(2):38, 41-42, 45. Oct. 1, 1966. 99.81 N482
- 3.090 WHITESIDE, I. D. Radiata as exterior joinery timber. 3. Basis for suggested specification. New Zeal. Timber J. 13(3):39, 41-43, 47. Nov. 1, 1966. 99.81 N482
- 3.091 WHITESIDE, I. D. Radiata proves effective as exterior joinery timber. 1. New Zeal. Timber J. 13(1):39, 41-42. Sept. 1, 1966. 99.81 N482

Seasoning, Conditioning, and Finishing

- 31092 ALIC, O. Study of the possibilities of the formation of luster of some Yugoslav varnishes for wood finishing. II. (Se) Pregled 2(4):25-32. Dec.1965. 99.9 P91
- 31093 ANDERSON, A. B. Solvent drying pays dividends with ponderosa pine. Forest Prod. J. 16 (12):31-35. Ref. Dec.1966. 99.9 F7662J
- 31094 BOICUC, M., DUMITRESCU, N. S., and DUPU, M. Present state and perspective of research on thermal treatment of wood. 8 p. Transl. 16285
Translation from Perspektivy Zakladneho Vyskumu Dreva 12(3/6):289-295. 1963.
- 31095 BUJUKALIC, H., and BELTRAM, V. The protection of beech logs against swelling and sourness with the biological method of drying. (Se) Pregled 2(3):25-31. Sept.1965. 99.9 P91
Chiefly seasoning.
- 31096 HUBNER, E., MULLER, H., and PREUSSER, R. Three East German standards; technical drying of wood. (Ge) Holzindustrie 19(10):280-281. Oct.1966. 99.82 H742
- 31097 KININMONTH, J. A., and ROBINSON, D. H. Forced-air drying proved of real value to timber industry. New Zeal. Timber J. 13(3):55,57-58. Nov.1,1966. 99.81 N482
- 31093 POUND, J. RF drying of timber. Wood [London] 31(12):43-45. Dec.1966. 99.82 W855
- 31093 SCHNEIDER, A. The influence of heat treatment up to 200°C and of water storage with a temperature up to 100°C on the directional reflectance of various wood species. (Ge) Holz Roh- Werkstoff 24(11):542-547. Nov.1966. 99.81 H74
English summary.
- 31130 TEICHRABER, R. On the alteration of the properties of wood during steaming. (Ge) Holz Roh- Werkstoff 24(11):548-551. Ref. Nov.1966. 99.81 H74
English summary.
- Wood Preservation and Damage
- 31101 BEGER, K. G. Wood protection and treatment. (Ge) Bauen Lande. Sonderheft Sonderprogramm Bundesregierung Forder. Landhandwerke 3:37-40. 1966? 296.8 B322
Chemical treatment, chiefly.
- 31102 COURTOIS, H. On the decomposition of the cell wall by bacteria in coniferous wood. (Ge) Holzforschung 20(5):148-154. Ref. Oct.1966. 99.8 H74
English summary.
- 31103 ESLYN, W. E. Relation of visual estimates of decay to specific gravity loss in stored cottonwood and willow. U. S. Forest Serv. Res. Note FPL-0143.5 p. Sept.1966. A99.9 F7634Un
- 31104 HOLTRAM, B. W. Blue stain, a note on its effect on the wood of home grown conifers and suggested methods of control. Great Brit. Forest. Comm. Leaflet. 53.4 p. 1966. 99.9 G795L
- 31105 JOHANSON, R. The effect of phenols on the evaluation of creosote and petroleum oil admixtures. Inst. Wood Sci. J. 17:38-44. Ref. Nov.1966. 99.82 In7
Wood preservation.
- 31106 KENAGA, D. L. Unusual chemical improves wood properties. Forest Prod. J. 16(12):21-26. Ref. Dec.1966. 99.9 F7662J
Impregnation with APO.
- 31107 KLEM, G. S. Toughness and resistance to cleavage of Scots pine pressure treated with a water-borne preservative. (No) Norsk Skogindustri. 20(11):441-446. Ref. Nov.1966. 99.82 N81
English summary.
- 31109 KUNZELMANN, E. TGL [technical norms, quality regulations and delivery conditions] "dipping and soaking impregnation experiments" of January 10, 1966 are compulsory. (Ge) Holzindustrie 19(10):285-286. Oct.1966. 99.82 H742
- 31109 LEVY, J. F., and GREAVES, H. Microscopic observations on the types of timber decay in a disused copper mine. B.W.P.A. (Brit. Wood Preserv. Ass.) News Sheet 68:1-6. Nov.1966. 300.9 B77B
- 31110 MCCQUIRE, A. J. More on OPM [oscillating pressure method] treatment trials with pine species. New Zeal. Timber J. 13(1):49-50. Sept.1,1966. 99.81 N482
- 31111 MURAVEVA, N. B. Spruce defects in stands of Lysin forest establishment. (Rus) Les. Zh. 2:17-20. 1965. 99.8 Iz8
Wood decay caused by initial fungus diseases.
- 31112 OSBORNE, L. D., and THROWER, L. B. Timber replacement in mines. I-II. Holzforschung 20(5):160-167. Ref. Oct.1966. 99.8 H74
Effect of wood rotting fungi and rock pressure.
- 31113 SCHAFFER, R. D. Survival ability of Limnoria on a protein-deficient diet. Wassmann J. Biol. 24(1):109-115. Spring 1966. 442.8 W28
Marine wood-borer.
- 31114 SCHMIDT, E. The natural durability of Brazilian iron railway sleepers placed in Germany. (Ge) Holz Roh- Werkstoff 24(11):539-542. Nov.1966. 99.81 H74
English summary.
- 31115 TAROCINSKI, E., and STOLARSKI, P. Complex preservation of pine sawtimber blue stain. (Pol) Przem. Drzewny 17(11):1-4. Nov.1966. 99.82 P95
- 31116 TELYATNIKOVA, B. I. Study on the resistance of fluorine-chromium-arsenic-type preservatives to leaching depending on chromium content. (Rus) Les. Zh. 3:101-103. Ref. 1965. 99.8 Iz8
- 31117 TEWARI, M. C., and SHEKAR, T. C. A note on the preservative treatment of silver oak (Grevillea robusta) by the diffusion process. Indian Forest. 92(9):586-588. Ref. Sept.1966. 99.8 In2
- 31119 TRANINA, N. F., and KONSTANTNAYA, A. A. Improvement of impregnation of spruce wood by liquids, by means of infection with fungi and with bacteria that stimulate their growth. (Rus) Les. Zh. 3:121-123. 1965. 99.8 Iz8
- 31119 UIDL, N., and MURKO, D. Dry rot fungus (Merulius lacrymans Wolf, Fr.) and its destructive effect on the chemical composition of beech wood. (Se) Pregled 2(4):33-38. Dec.1965. 99.9 P91
German summary.
- 31120 VANINSKAYA, YU. M. Dynamics of breakdown of pine [Pinus sylvestris] and spruce [Picea excelsa] wood by Coniophora cerebella Schr. (Rus) Les. Zh. 2:123-126. Ref. 1965. 99.8 Iz8
- 31121 WAZNY, J., and WYTWER, T. Investigations of the impregnation of wood of high moisture content. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 7:131-142. 1965. 99.9 W262
English summary.
With salt fungicides.
- Lumber and Rough Products
- 31122 DEMLEITNER, S. Proper storage of log and cordwood. (Ge) DLZ-Landtech. Z. 17(12):818-820. Dec.1966. 58.8 T677
- 31123 FASDICK, C. A., and GUTTENBERG, S. Veneer bolts, saw logs, and pulpwood. Forest Prod. J. 16(12):56-58. Dec.1966. 99.9 F7662J
Price comparison curves for veneer bolts, as an aid to buyers and sellers.
- 31124 HAUGAN, E. Adjustment of forestry to delivery of green wood. (No) Norsk Skogbruk 11 (21):696-697. Nov.1965. 99.8 N815
Transportation and marketing of logs.
- 31125 HILBRAND, H. C., and MILLER, D. G. Machine grading-theory and practice. 2. Forest Prod. J. 16(12):36-40. Dec.1966. 99.9 F7662J
Lumber.
- 31126 JESKE, W. P. Northwest economics: wood prices sage. Pacific Bankers Bus. 64(5):10, 36. Dec.1966. 284.8 B225
Lumber and plywood; Pacific Northwest.

- KARLSEN, O. Education and development of the employees in the timber industry. (No) Norsk Skogindustri. 20(11):433-434. Nov.1966. 99.82 N81
- KROGH, P. M. D. Use of chemically impregnated wooden poles. Republic. So. Afr. Forest Dept. Bull. 42,24 p. Ref. 1966. 99.9 S084
- MAGNUSSEN, O. Delivery of green wood with bark left on; transportation, storage and bark removal. (No) Norsk Skogbruk 11(21):686-689,692, map. Nov.1965. 99.8 N815
- MENTIPLAY, C. R. UK timber trade's massive promotion campaign. New Zeal. Timber J. 13(2):24-25. Oct.1,1966. 99.81 N482
- SAETHER, R. Variations of wood supplies in Norway. (No) Norsk Skogindustri. 20(11):447-449, 451-453. Nov.1966. 99.82 N81
- English summary.
- SKAARE, H. Measurement of logs with bark left on. (No) Norsk Skogbruk 11(21):694-695. Nov.1965. 99.8 N815
- SKJELMERUD, H. The lumber industry and research. (No) Norsk Skogindustri. 20(10):377-380. Oct.1966. 99.82 N81
- Construction
- BRYNILDSEN, O. Limte bjelkelagselementer. Gled floor panels. Oslo. Norsk Tretek. Inst. Medd. 27,7 p. Oct.1966. 99.9 Os5M
- English summary.
- HARTER, W. Wood aggregate concrete building blocks. Northwest Wood Prod. Clin. Proc., 21st Annu. Meeting:19-22. 1966. 99.9 Sp6
- KINGSBURY, R. Wood plays an increasing part as structural material. T.D.A. (Timber Development. Ass.) Bull. 2(8):3-5. Oct.1966. 99.8 T48
- MCBRIDE, J. S. Timber is the future building material. Australian Timber J. Building Prod. Merchandiser 32(10):48,50,58,61-63,65-66. Nov.1966. 99.81 Au7
- WALFORD, G. B. A woolshed with nail-laminated portal frames. T.D.A. (Timber Development. Ass.) Bull. 2(8):10-12. Oct.1966. 99.8 T48
- Veneers, Plywood, and Adhesives
- ARTAMONOV, B. I. Calculation of combined heating in the gluing of sets of veneer layers. (Rus) Les. Zh. 2:109-115. 1965. 99.8 Iz8
- Contact and high-frequency heating.
- BURIN, E. E. Concentration of production and optimum size of an enterprise in plywood industry. (Rus) Les. Zh. 3:109-112. 1965. 99.8 Iz8
- DORSETT, R. Central Rockies provide plywood manufacturing potential. Forest Prod. J. 16 (12):27-30. Dec.1966. 99.9 F7662J
- FOREST INDUSTRIES. Directory of plywood and veneer producers. Forest Indus. 94(1):79-80,82,84,86,88,90,92,94,96,98,100,104,106,108, 110,112-114,116,118,120,124,126,128,130-132, 134,136-138,140,142,144-163. Jan.1967. 99.81 W52
- KREISBERG, J. Imports of veneer or the increase of productiveness? (Pol) Przem. Drzewny 16(7):253-255. July 1965. 99.82 P95
- KUFNER, M. On the permissible stresses in veneer board. (Ge) Holz Roh- Werkstoff 24 (11):537-539. Nov.1966. 99.81 H74
- English summary.
- Strength studies.
- MUZALEVSKII, V. I. Experimental investigation of the accuracy of capacitance method of measuring the moisture of peeled veneer. (Rus) Les. Zh. 3:163-167. 1965. 99.8 Iz8
- NARAYANAMURTI, D., and PRASAD, B. N. Infrared-drying of veneers. 11 p. Transl. 16282
- Translation from Holz als Roh- und Werkstoff 10(3):92-94. 1952.
- SHERMAN, D. F. Plywood weathers rough '66 yet scores notable gains. Forest Indus. 94(1): 42-45. Jan.1967. 99.81 W52
- Furniture
- FIDYK, S. Some problems in the field of furniture finishing in East Germany. (Pol) Przem. Drzewny 17(11):19-21. Nov.1966. 99.82 P95
- Pulp and Paper
- ANT-WUORINEN, O., and VISAPAA, A. Determination of the inorganic impurities of cellulose by atomic absorption spectrometry. Pap. Pui 48(11):649-651,653-656. Ref. Nov.24,1966. 302.8 P1991
- AURELL, R. Sulfate pulping of spruce and pine chips. (Sw) Svensk Papperstidn. 69(21): 736-745. Nov.15,1966. 302.8 Sv2
- English summary.
- BACK, E. L., and NORBERG, K. G. Influence of temperature on dewatering and compressibility of mechanical pulp during pressing in a plane press. Plane Press studies. I. (Sw) Svensk Papperstidn. 69(23):824-830. Ref. Dec.15,1966. 302.8 Sv2
- English summary.
- BETHGE, P. O., and RADESTROM, R. Determination of trace metals in pulp by atomic-absorption spectrophotometry. Svensk Papperstidn. 69(22):772-776. Nov.30,1966. 302.8 Sv2
- CANADIAN PULP AND PAPER ASSOCIATION. PHYSICAL AND CHEMICAL STANDARDS COMMITTEE. Standards. Rev. ed. Montreal, 1966. loose-leaf. HD9834.C2C3
- CANADIAN PULP AND PAPER ASSOCIATION. WOODLAND SECT. Forty-eighth annual meeting proceedings, March 15-17, 1966. Woodlands Sect. Index 2395(H-2),41 p. 1966. 99.8 W855
- Includes abstracts of papers.
- COST, N. D. Pulpmood prices in the Southeast, 1963-1965. U. S. Forest Serv. Res. Note SE-65,2 p. Oct.1966. A99.9 F7623U
- CRONERT, H. Present status and further development possibilities for the industrial production of high and highest yield pulps in Europe. (Ge) Papier 20(10A):691-699. Ref. Oct.1966. 302.8 P1934
- English summary.
- CROWELL, E. P., and BURNETT, B. B. Determination of the carbohydrate composition of wood pulps by gas chromatography of the aldol acetates. Anal. Chem. 39(1):121-124. Jan. 1967. 381 J825A
- DAHL, K. A. Rough estimate of reduction for bark and bast in the measurement of pulpmood with the bark left on. (No) Tidsskr. Skogbruk 73(4):384-386. 1965. 99.8 T432
- DAHME, H. P. Chemimechanical pulp from spruce. Pap. Pui 48(10):591-594. Oct.31, 1966. 302.8 P1991
- DAHME, H. P., and DANNEVIG, E. Influence of consistency and load with beating in the PFI-mill of chemimechanical pulps. (No) Norsk Skogindustri. 20(11):435-440. Nov.1966. 99.82 N81
- English summary.
- ENKVIST, T., and LINDFORS, T. Manufacture of organic chemicals from spent liquor through alkali treatment. (Sw) Pap. Pui 48(11):639-641,644-648. Ref. Nov.24,1966. 302.8 P1991
- English summary.
- FORSS, K., FREMER, K. E., and STENLUND, B. Spruce lignin and its reactions in sulfite cooking. II. The reactions in sulfite cooking. Pap. Pui 48(11):669-671,673-676. Nov.24,1966. 302.8 P1991
- GALLAY, W. E. The implications of forest resource use policy with respect to pulp and paper technology. Pulp Pap. Mag. Can. 67(12): WR597, WR600-WR601. Dec.1966. 302.8 P96
- GIERER, J., and SMEDMAN, L. A. The reactions of lignin during sulphate cooking. X. Acta Chem. Scand. 20(7):1769-1777. Ref. 1966. 385 Ac82

- 31165 GJELSVIK, O. Development or stagnation in the Norwegian pulp and paper industry. (No) Norsk Skogindus. 20(11):416-422. Nov.1966. 99.82 N81
- 31166 GUHA, S. R. D., MATHUR, G. M., and SHARMA, Y. K. Pilot plant production of writing and printing papers from *Populus ciliata* Wall (poplar). Indian Pulp Pap. 21(4):279,286. Oct.1966. 302.8 In23
- 31167 GUHA, S. R. D., and others. Writing and printing papers from *Cleistanthus collinus*. Indian Forest. 92(9):576-580. Sept.1966. 99.8 In2 P. P. Bhola, G. M. Mathur, and Y. K. Sharma, joint authors.
- 31168 GULDAHL, C. E. Development of labour productivity in the Norwegian chemical pulp industry since 1950. (No) Norsk Skogindus. 20(10):372-376. Oct.1966. 99.82 N81
- 31169 GUPTA, M. K. Rayon grade pulp from Indian hardwood. I. Processing of *Eucalyptus globulus* (blue gum). Indian Pulp Pap. 21(4):271,274-275,277. Ref. Oct.1966. 302.8 In23
- 31170 HAKKILA, P. Wood density as a pulpwood quality indicator. (Fi) Pap. Puu 48(11):703-706. Nov.24,1966. 302.8 P1991 English summary.
- 31171 HENRIKSEN, R. Quo vadis? Views on the competitive situation of the pulp industry. (No) Norsk Skogbruk 11(21):677-681. Nov.1965. 99.8 N815
- 31172 JAHN, E. C. ESPRA [Empire State Paper Research Associates]—a unique industry-academic partnership. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(3):45A-48A. Sept.1966. 302.8 T162
- 31173 JAYME, G., and BUTTEL, H. Brightness change and stability of pulps in weakly alkaline solution. (Ge) Papier 20(10A):678-684. Oct.1966. 302.8 P1934 English summary.
- 31174 JAYME, G., and HARDERS-STEINHAUSER, M. Microscopic identification of semichemical pulps. (Ge) Papier 20(10A):685-690. Oct.1966. 302.8 P1934 English summary.
- 31175 JAYME, G., and HASVOLD, K. K. A novel method for pulp characterization with Cadoxen. (Ge) Papier 20(10A):657-664. Oct.1966. 302.8 P1934 English summary.
- 31176 JOHNSTON, W. J. The implications of forest resource use policy with respects to the pulp and paper industry in Quebec. Pulp Pap. Mag. Can. 67(12):WR601-WR603. Dec.1966. 302.8 P96
- 31177 MANUFACTURE of pulp from chips in Europe. (Ge) Papier 20(10A):731-752. Ref. Oct.1966. 302.8 P1934 Panel discussion; Chairman: F. Lühde; members: S. Miller, M. O. Saltarelli, I. Bystedt, B. Bjørnstad, L. Eriksson, V. Valkama, and H. J. Gunther.
- 31178 NEPENIN, YU. N., BUEVSKAYA, A. D., and NAZARENKO, T. V. Effect of some impurities on soluble-base sulfite pulping process. (Rus) Les. Zh. 2:139-144. Ref. 1965. 99.8 I28
- 31179 NESS, R. M. What is optimal product spectrum for the Norwegian pulp and paper industry? (No) Norsk Skogindus. 20(11):454-459. Ref. Nov.1966. 99.82 N81
- 31180 OLSSON, J. E., and SAMUELSON, O. Inorganic reactions during polysulfide cooking. Svensk Papperstidn. 69(20):703-710. Ref. Oct.31, 1966. 302.8 Sv2
- 31181 PACKMAN, D. F., and LAIDLAW, R. A. Pulping of British grown softwoods. III. Variation in the pulping properties of Sitka spruce (*Picea sitchensis*). Holzforschung 20(5):155-159. Ref. Oct.1966. 99.8 H74
- 31182 RYDHOLM, S. Production and properties of *Eucalyptus* pulp. (Ge) Papier 20(10A):711-720. Oct.1966. 302.8 P1934 English summary.
- 31183 SNYDER, J. W. Measuring bleaching tower retention times. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(12):105A,106A. Dec.1966. 302.8 T162 For pulp.
- 31184 STEINLIN, H. Determination of pulpwood dry-weight for forestry and industry. (Ge) Papier 20(10A):720-725. Oct.1966. 302.8 P1934 English summary.
- 31185 TEDER, A. Effects of drying on pulp properties. (Sw) Pap. Puu 48(11):629-631,633-638. Ref. Nov.24,1966. 302.8 P1991 English summary.
- 31186 THOMAS, B. B. Speciality papermaking with mercerized woodfibers. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(12):515-521. Ref. Dec.1966. 302.8 T162
- 31187 THOMPSON, N. S., and KAUSTINEN, O. A. A study of certain carbohydrate degradations during sulfite pulping. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(12):550-553. Ref. Dec.1966. 302.8 T162
- 31188 UNITED STATES PULP PRODUCERS ASSOCIATION. Wood pulp statistics; 31st edition. New York, 1966. 235 p. 302.9 Un32U
- 31189 VEREIN DER ZELLSTOFF-UND PAPIER-CHEMIKER UND-INGENIEURE. Lectures presented at the annual meeting [of the Pulp and Paper Chemist and Engineer Society]. (Ge) Papier 20(10A):649-798. Ref. Oct.1966. 302.8 P1934
- 31190 WACEK, A. VON, GRABLOWITZ, O., and OEBERBICHLER, W. Extent of pulp damage in bisulfite cooking through simultaneous mechanical treatment of the chips. (Ge) Papier 20(11):808-813. Ref. Nov.1966. 302.8 P1934 English summary.
- 31191 WATSON, A. J., and others. Beating at high stock concentrations in the PFI mill. APPIA (Australasian Pulp Pap. Indus. Tech. Ass.) 20(2):47-61. Ref. Sept.1966. 302.8 Au7 F. H. Phillips, R. B. Bain, and J. S. M. Venter, joint authors.
- 31192 WRIGHT, T. G. Some implications of forest resource use policy with respect to the pulp and paper industry in British Columbia. Pulp Pap. Mag. Can. 67(12):WR604-WR606. Dec.1966. 302.8 P96

Chemical Products and Distillates

- 31193 BARANOVA, R. A., AGRANAT, A. L., and SOLODKII, F. T. Obtaining of water-soluble derivatives of chlorophyll from coniferous needles. I. (Rus) Les. Zh. 2:145-148. 1965. 99.8 I28
- 31194 BURCH, J. E., and LIPINSKY, E. S. Methods for finding chemicals from forest products. Forest Prod. J. 16(12):41-44. Dec.1966. 99.9 F7662J
- 31195 CHAN, W. R., and others. Taxa-4(16),11-diene-5-alpha,9-alpha,10-beta,13-alpha-tetraol, a new taxane derivative from the heartwood of yew (*T. baccata* L.): X-ray analysis of a p-bromobenzoate derivative. Chem. Commun. 24:923-925. Ref. Dec.28,1966. 382 C4223 T. G. Halsall, G. M. Hornby, A. W. Oxford, W. Sabel, K. Bjerner, G. Ferguson, and J. M. Robertson, joint authors.
- 31196 CHAUDHURI, S. B., and DAS, R. C. Surface coating composition from *Acacia catechu* cutch. Paintindia 16(6):43. Sept.1966. 306.8 P164
- 31197 ELIX, J. A., and SARGENT, M. V. Synthesis of a unique fatty acid from *Exocarpos* seed oil. Chem. Commun. 22:823-824. Nov.23, 1966. 382 C4223
- 31198 KABANOV, N. E. The bark of *Larix kurlensis* Mayr as a valuable raw material for the local industry of Kamchatka. (Rus) Rastitel. Resursy 1(2):266-269. 1965. 450 R18 Chemical products.
- 31199 KAHILA, S. K. The influence of birchwood extract on tall oil. (Fi) Pap. Puu 48(11):677-679,681-682. Nov.24,1966. 302.8 P1991 English summary.
- 31200 LINDGREN, B. O., and SVAHN, C. M. Lupan-3beta,20-diol and lupan-3beta,20,28-triol in bark from birch, *Betula verrucosa* Erh. Acta Chem. Scand. 20(6):1720-1721. Ref. 1966. 385 Ac82

- 31201 LINDGREN, B. O., and SVAHN, C. M. Separation of trimethylsilyl ethers of triterpenes by thin layer chromatography; triterpenes in wood from *Populus tremula* L. Acta Chem. Scand. 20(7):1763-1768. Ref. 1966. 385 Ac82
- 31202 MASQUELIER, J., and CLAVEAU, P. Systematic research of leucoanthocyanins in the bark of twelve species of Coniferae. (Fr) Natur. Can. 93(4):345-348. July/Aug. 1966. 410 N216 English summary.
- 31203 MURKO, D. A study of the extractives of the poplar bark and possibilities of their extraction. (Se) Pregled 2(4):39-43. Ref. Dec. 1965. 99.9 P91 German summary.
- 31204 OGNJANOV, I., and TSANKOVA, E. On the composition of Bulgarian *Pinus nigricans* L. needle oil. (Ge) Herba Hung. 5(2/3):71-74. 1966. 71.8 H413
- 31205 ONSHUIS, F., ZAUSCHER, F., and GUERRA, C. F. The oak, the byrrsonima, and the acacia as sources of vegetable tannins. (Sp) Inst. Invest. Technol. Rev. 7(38):36-45. Ref. Nov./Dec. 1965. 241.4 In73 *Quercus humboldiana*, *Byrrsonima crassifolia*, and *Acacia melanoxylon*, respectively.
- 31206 SCHWEISHEIMER, W. Preparation of chemical products from wood. (Fr) Chim. Ind. [Paris] 96(6):1656-1658. Dec. 1966. 383 C42 English summary. In the United States.
- 31207 VEKSHEGONOV, F. YA., and KOZLOV, V. N. Activated charcoals from wood-hydrolysis lignin. (Rus) Les. Zh. 3:134-140. Ref. 1965. 99.8 I28
- 31208 YANIGIN, YU. YA. Use of high pressure in a plant producing power and chemicals from wood. (Rus) Les. Zh. 2:134-138. Ref. 1965. 99.8 I28
- Naval Stores
- 31209 MEYER, H. L. The worldwide naval stores picture. Nav. Stores. Rev. Terpene Chem. 76 (8):5,14. Nov. 1966. 99.81 N22
- 31210 RIFFER, R., and others. Composition of turpentine and resin acid in benguet pine stump heartwood (*Pinus insularis* Endl.). TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(9):415-417. Ref. Sept. 1966. 302.8 T162 A. B. Anderson, E. V. Cabotage, and A. Ynalvez, joint authors.
- 31211 ROSSITER, F. Gum rosin output seen at 270,000 drums. Nav. Stores Rev. Terpene Chem. 76(8):13. Nov. 1966. 99.81 N22
- 31212 VERGHESE, J. Indian turpentine oil from *Pinus longifolia* (Roxb.). Perfumery Essent. Oil Rec. 57(12):767-770. Ref. Dec. 1966. 308.8 P41 Composition.
- Other Forest Products
- 31213 ALPAR, T. Bonding application in particle board manufacture with the help of secondary air pulverizers. (Hu) Faipar 16(10):306-310. Oct. 1966. 99.82 F14
- 31214 ASZTALOS, T. Surface treatment of fiberboard with lacquer. (Hu) Faipar 16(10):326-328. Oct. 1966. 99.82 F14
- 31215 BUDNIAK, F., and SKALECKI, C. Problem of waste in the complex wood conversion. (Pol) Przem. Drzewny 17(6):24-25. June 1966. 99.82 P95
- 31216 CALHEIROS E MENEZES, J. L. Current problems in the cork industry in Portugal; prospects for development. (Por) Port. Junta Nac. Cortica. Bol. 28(334):160-164. (Cont.) Aug. 1966. 309.9 J96 English summary, p. XXXV-XXXVII.
- 31217 CALHEIROS E MENEZES, J. L. Current problems of the cork industry in Portugal; its prospects for development. (Por) Port. Junta Nac. Cortica. Bol. 28(335):180-187. (Cont.) Sept. 1966. 309.9 J96 English summary, p. XL-XLIII.
- 31218 DIDRIKSSON, E. I. E., and BACK, E. L. The effect of density on the pore size and pore anisotropy of fibre building boards. Svensk Papperstidn. 69(22):769-771. Nov. 30, 1966. 302.8 Sv2
- 31219 FORSSLAD, L. H. The case of open chip storage. (Ge) Papier 20(10A):726-731. Ref. Oct. 1966. 320.8 P1934 English summary.
- 31220 GIBSON, K. Mobile shake-making machine turns salvage wood to profit. Can. Forest Indus. 86(12):52-53,55. Dec. 1966. 99.81 C16
- 31221 HEIDEKKER, GY. Strength properties of fiberboard and relation to mixing ratio. (Hu) Faipar 16(10):315-321. Oct. 1966. 99.82 F14
- 31222 HUNT, J. D., and BISHOP, C. S. Utah Christmas tree sales, 1965. Utah Farm Home Sci. 27(1):36-38. Mar. 1966. 100 Ut1F
- 31223 JAIN, N. C., and DHAMANEY, C. P. Studies on hardboard preparation. 1. From raw material received from Nagaland. Indian Pulp Pap. 21(4):259-262. Ref. Oct. 1966. 302.8 In23
- 31224 JOO, I. Investigations of pneumatic wood chip transportation practice. (Hu) Faipar 16(11):336-345. Nov. 1966. 99.82 F14
- 31225 KARAHASANOVIC, A., and RAJMAN, V. The effect of the moisture of the particle mat on the properties of particle board. (Se) Pregled 2 (4):1-14. Ref. Dec. 1965. 99.9 P91 German summary.
- 31226 KUMARASAMY, K., and MENON, P. K. B. Scope of indigenous woods in match manufacture. Malayan Forest. 29(3):133-139. July 1966. 99.8 M292 Properties.
- 31227 LAFLEUR, A. Utilization of by-product chips. Pulp Pap. Mag. Can. 67(12):T536-T540. Dec. 1966. 302.8 P96
- 31228 PETRI, L. Mechanical machining in native fiberboards. (Hu) Faipar 16(10):311-315. (Cont.) Oct. 1966. 99.82 F14
- 31229 RAJMAN, V. Nomography in the determination of necessary quantities of raw materials in the manufacture of three-layer particle board. (Se) Pregled 3(1):17-25. Mar. 1966. 99.9 P91 German summary.
- 31230 SOLECHNIK, N. YA., KHAMER, K., and ANIKIEVA, V. M. Obtaining wood-based plastic sheets from coniferous species without binders. 3. (Rus) Les. Zh. 6:139-142. 1964. 99.8 I28
- 31231 WILLIS, J. L. Cypress stumps become objects d'art at Delcambre. Forest People 16(4):44-45. Fourth Q. 1966. 99.8 F7628
- SILVICULTURE
- 31232 ADAMS, J. L. Prescribed burning techniques for site preparation in cut-over jack pine in southeastern Manitoba. Pulp Pap. Mag. Can. 67(12):wR574, wR577-wR579, wR582-wR584. Dec. 1966. 302.8 P96
- 31233 BOX, B. H., LINNARTZ, N. E., and BURNS, P. Y. How fast can loblolly pine grow? La. Agr. 10(1):4-5. Fall 1966. 100 L939
- 31234 CHUPROV, N. P. Some aspects of forestry organization in the birch stands of the Archangel Region. (Rus) Les. Zh. 2:10-14. 1965. 99.8 I28
- 31235 CRAIG, J. B., and MILLER, H. G. Research on Scottish forest and nursery soils. Great Brit. Forest. Comm. Rep. Forest Res. 1965: 85-87. 1966. 99.9 G795Re
- 31236 CUSHWA, C. T., and REDD, J. B. One prescribed burn and its effects on habitat of the Powhatan game management area. U. S. Forest Serv. Res. Note SE-61, 2 p. Sept. 1966. A99.9 F7623Un Virginia.
- 31237 DALEN, A. Production forestry in a coastal district. (No) Norsk Skogbruk 11(17):542-543. Sept. 1965. 99.8 N815
- 31238 DANILIN, M. A. Age structure of aspen stands of Krasnoyarsk experimental forest. (Rus) Les. Zh. 3:34-36. 1965. 99.8 I28

- 31239 DAY, W. R. Biological aspects of thinning in conifer plantations. *Forestry* 39(2):191-212. Ref. 1966. 99.8 F767
Adaptation of thinning to variations in soil environment.
- 31240 EUTHYMIOU, T. Results of research work on the spacing and time of cutting poplar trees under various densities and soil-climate conditions. (Gre) *Dassika Chron.* 8(11):504-506. Nov. 1966. 99.8 D263
- 31241 FILER, T. H., and TOOLE, E. R. Sweetgum Mycorrhizae and some associated fungi. *Forest Sci.* 12(4):432-437. Ref. Dec. 1966. 99.8 F7632
Liquidambar styraciflua.
- 31242 GLEW, D. R., and CINAR, S. Z. The results of stand treatment following seed tree marking in dry belt fir types. *Brit. Columbia. Forest Serv. Forest Manage. Div. Forest Manage. Notes.* 5, 17 p., map. Ref. 1966. 99.9 B7782
Pseudotsuga menziesii and *Pinus contorta latifolia*.
- 31243 HAVERAEN, O. Care of drainage fields in the forests (No) *Norsk Landbruk* 17:10-11. 35. Aug. 26, 1966. 11 N8122
Chiefly maintenance of drainage ditches.
- 31244 JOBLING, J. Poplars and elms. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:47-51. 1966. 99.9 G795Re
Cultural and variety studies.
- 31245 KHARITONOV, G. A., and VIDYAKOVA, A. L. Culture of larch in the central Ural area. (Rus) *Les. Zh.* 3:3-7. 1965. 99.8 L28
Larix sukaczewii.
- 31246 KLAWITTER, R. A. Early response of pole-sized slash pine to drainage. *U. S. Forest Serv. Res. Note SE-63*, 2 p. Sept. 1966. A99.9 F7623Un
Florida.
- 31247 KORNEV, V. P. Biochemical and enzymatic activity of pinetum litter. 8 p. (TT 66-51088) *Transl.* 16274
Translation from *Pochvovedenie* 11:109-114. 1962.
CFSTI: \$1.00.
- 31248 KORPEL, S., and VINS, B. Pestovanie jedge [The culture of Abies]. Bratislava, Slovenske Vydavatel'stvo Podchopodarskej Literatury, 1965, i.e. 1966. 342 p., map. SD397.F4K6
Bibliography, p. 325-340.
- 31249 KRASOVSKAYA, I. V., and SMIRNOVA, A. D. The use of mycorrhiza at plantings of oak acorns under the arid conditions of the Saratov Regions. 11 p. Ref. (TT 66-51081) *Transl.* 16277
Translation from *Les i Step'* 2(2):29-37. 1950.
CFSTI: \$1.00.
- 31250 LABUNSKII, I. M. Directional growth of vertical roots of oak. (Rus) *Les. Zh.* 2:170-171. 1965. 99.8 L28
- 31251 LAITENEN, J. Peat pot use reduces Finnish seedling loss. *World Wood* 7(5):6-7, 38. Oct. 1966. 99.8 W89
Pine.
- 31252 LANGHAMMER, A. No tree grows up to heaven. (No) *Norsk Landbruk* 12:8-9. June 17, 1966. 11 N8122
Silviculture in Norway.
- 31253 LEES, J. C. Release of white spruce from aspen competition in Alberta's spruce-aspen forest. *Can. Dep. Forest. Publ.* 1163, 16 p. Ref. 1966. 99.9 C1628P
- 31254 MARTY, G. Preparation of forest soil by poisoning trees in New Hebrides. (Fr) *Oleagineux* 21(10):589-591. Oct. 1966. 77.8 O12
- 31255 MCALPINE, R. G., and others. "Silage" sycamore: planted and harvested like silage corn, sycamore promises high yields of fiber at amazingly short rotations. *Forest Farmer* 26(1):6-7, 16. Oct. 1966. 99.9 F7692
C. L. Brown, A. M. Herrick, and H. E. Ruark, joint authors.
- 31256 MOIKO, M. F. Productivity of oak stands in mixtures of various arrangements. (Rus) *Les. Zh.* 2:31-33. 1965. 99.8 L28
- 31257 NEUSTEIN, S. A. Trial plantations at high elevations. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:169-172. 1966. 99.9 G795Re
- 31258 ONTS'KIV, N. I., and BELOKON', V. F. Some problems of culture of poplars in Polesye and forest-steppe area of Ukrainian SSR. (Rus) *Les. Zh.* 2:42-43. 1965. 99.8 L28
- 31259 PYATT, D. G. Soil and site survey in the Forestry Commission. *Arbor* 4(3):12-13. 1966. 99.8 Ar17
- 31260 REDDY, K. K. Cultivation of *Agave sisalana* in the dry tracts of Andhra Pradesh. *Indian Forest*, 92(9):596-603, map. Sept. 1966. 99.8 In2
- 31261 SEMPLE, R. M. G., and others. Silvicultural investigations. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:20-46. 1966. 99.9 G795Re
R. Lines, W. O. Binns, S. A. Neustein, A. I. Fraser, D. W. Henman, J. Atterson, A. E. Coates, J. P. Aldous, A. F. Mitchell, and M. Nimmo, joint authors.
- 31262 TAYLOR, N. E. Some economic aspects of controlled burning. *Mont. Bus. Quart.* 4(4):64-75. Fall 1966. 280.8 M762
In forest management.
- 31263 U. S. SOIL CONSERVATION SERV. Soil survey interpretations for woodland conservation; progress report, Puget Sound Trough Area, Washington, by F. E. Schlots and A. N. Quam. Spokane, 1966. 106 p., map. Ref. a591.53
- 31264 VILYATSER, M. G. Analysis of furrow-slice inversion in plowing. (Rus) *Les. Zh.* 3:23-28. 1965. 99.8 L28
In forestry.
- 31265 WATKINS, D. L. Revolutionary control burning techniques in western Australia. *Australian Timber J. Building Prod. Merchandiser* 32(10):79-80. Nov. 1966. 99.81 Au7
With aircraft.

Regeneration

- 31266 ALDHOUS, J. R., and ATTERSON, J. Nursery investigations. *Great. Brit. Forest. Comm. Rep. Forest Res.* 1965:14-19. 1966. 99.9 G795Re
- 31267 BAKES, U., and HAMPY, V. Quality as a factor in increasing economic effectiveness of afforestation. *U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus.* 502:13-24. Dec. 9, 1966. (JPRS 39,041; TT 66-35464) 173 J663Stc
Rumania.
Translation from *Revista Padurilor* 8:427-431. Aug. 1966.
Issued by CFSTI.
- 31268 BENECKE, U. Problems in New Zealand mountain lands. *Arbor* 4(3):6-11. 1966. 99.8 Ar17
In relation to afforestation.
- 31269 BONNEVIE-SVENDSEN, C., and SKOKLE-FALD, S. Seed production in a Norway spruce forest. (No) *Norsk Skogbruk* 11(19):619-622. Oct. 1965. Ref. 99.8 N815
- 31270 BRAATHE, P. Survey of forest regeneration 1962-64. (No) Norway. *Skogforsk. Medd.* 79:85-170, map. Ref. 1966. 99.9 N833
English summary.
- 31271 BUSZEWICZ, G. M. Forest tree seed. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965: 9-13. 1966. 99.9 G795Re
- 31272 CAYFORD, J. H. Operational trials of regeneration methods for jack pine in southeastern Manitoba. *Can. Dep. Forest. Publ.* 1165, 23 p. Ref. 1966. 99.9 C1628P
- 31273 FABER, P. J. The growth of the red oak (*Quercus borealis* Michx.) in the Netherlands. (Du) *Ned. Bosbouw Tijdschr.* 38(10):357-374. Oct. 1966. 99.8 N28
English summary.
- 31274 FARQUHAR, J. The use of seedlings for forest planting in Scotland and north England. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:154-168. Ref. 1966. 99.9 G795Re
- 31275 GARFITT, J. E. Edge-effect. *Forestry* 39(2): 189-190. 1966. 99.8 F767
Effect on rate of growth when planted close to the edge of standing wood.

- 31276 GRAHAM, B. F., and BORMANN, F. H. Natural root grafts. *Bot. Rev.* 32(3):255-292. July/Sept. 1966. 450 B6527
Review of the literature.
Forest trees.
- 31277 HUSS, E. Cone supply 1965-1966. (Sw) Skogen [Stockholm] 52(23):465, map. Nov. 25, 1965. 99.8 Sk51
Pine and spruce.
- 31278 HUSS, E. Viability of Scots pine and Norway spruce seed in 1965. (Sw) Skogen [Stockholm] 52(24):490. Dec. 9, 1965. 99.8 Sk51
- 31279 INGERSTEDT, S. Seed quality of Scots pine and Norway spruce cones collected in 1965-66. (Sw) Skogen [Stockholm] 52(24):489. Dec. 9, 1965. 99.8 Sk51
- 31280 JARVIS, J. M. Seeding white spruce, black spruce and jack pine on burned seedbeds in Manitoba. *Can. Dep. Forest. Publ.* 1166, 8 p. 1966. 99.9 C1628P
- 31281 KRUGMAN, S. L. Artificial ripening of sugar pine [*Pinus lambertiana*] seeds. U. S. Forest Serv. Res. Paper PSW-32, 7 p. Ref. 1966. A99.9 F7652P
- 31282 KUMMEROW, J. Vegetative propagation of *Pinus radiata* by means of needle fascicles. *Forest Sci.* 12(4):391-398. Ref. Dec. 1966. 99.8 F7632
- 31283 LIBBY, W. J., and CONKLE, M. T. Effects of auxin treatment, tree age, tree vigor, and cold storage on rooting young Monterey pine. *Forest Sci.* 12(4):484-502. Ref. Dec. 1966. 99.8 F7632
Propagation by cuttings.
- 31284 LINES, R., and NEUSTEIN, S. A. Afforestation techniques for difficult sites—wetlands. *Scot. Forest.* 20(4):261-277. Ref. Oct. 1966. 99.8 Sco3
- 31285 LINES, R., and MITCHELL, A. F. Differences in phenology of Sitka spruce provenances. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:173-184. 1966. 99.9 G795Re
- 31286 LOFTING, E. C. L. Provenance experiments with *Pinus contorta* (Loud.), preliminary report on choice of provenance of *Pinus contorta* in Danish heath and dune plantations. (Da) Denmark. Forstl. Forsøgskomm. Forstl. Forstl. Forsøgsv. Denmark 30(1):49-95, map. 1966. 99.9 D41
English summary.
- 31287 LUX, K. Utilization of land clearing equipment in forest nurseries. (Ge) *Obstbau [Berlin]* 6 (9):137-139. Sept. 1966. 80 Ob79
- 31288 MAUN, M. M. Study on the effect of slope and spacing on the survival of *Albizia falcata* (L.) Bach in Nueva Vizcaya plantation. Philippines. *Bur. Forest. Occas. Pap.* 28, 7 p. Oct. 1966. 99.9 P5350
- 31289 MEER, W. B. VAN DER. Land reclaimed from sea important to Dutch. *World Wood* 7(6):30, 32. Dec. 1966. 99.8 W89
Forest planting.
- 31290 MOZO MORRÓN, T. Tree species for reforestation on saline soils. (Sp) *Rev. Nac. Agr.* 60 (730):47. Feb. 1966. 9.4 R32
Colombia.
- 31291 MULLER, H. Production and trade in German tree nurseries require specialization, concentration and cooperation. (Ge) *Obstbau [Berlin]* 6(9):131-134. Sept. 1966. 80 Ob79
- 31292 NOSKOV, V. I. Creating high-yielding pine plantations by the use of selected seed. (Rus) *Les. Zh.* 3:8-12. Ref. 1965. 99.8 L28
- 31293 POPOV, V. YA., and VOICHAL', P. I. Survival and growth of commercial pine plantations in the Archangel Region from seeds from other regions. (Rus) *Les. Zh.* 3:18-22. 1965. 99.8 L28
- 31294 SAMSET, I. Operation technical research 1964/65. (No) *Tidsskr. Skogbruk* 73(4):348-361. 1965. 99.8 T432
Strip and bed planting after logging operation.
- 31295 SCHWARZ, G. Experiences in the furtherance and carrying out of new afforestation programs. (Ge) *Forderungsdienst* 14(8):274-278. Aug. 1966. 19 F75
Includes labor, mechanization, planting, and management in Austria.
- 31296 SCOTT, J. D. Broadcast seeding by air. *Pulp Pap. Mag. Can.* 67(12):WR594-WR596. Dec. 1966. 302.8 P96
- 31297 TZOUMAKES, G. Hybrids of the white poplar genus and the technique for their development. (Gre) *Dassika Chron.* 8(11):491-492. Nov. 1966. 99.8 D263
- 31298 WALKER, W. B. Afforestation of derelict land. *Arbor* 4(3):17-20. 1966. 99.8 Ar17
- 31299 WARMEROD, J. Why plant trees in McNairy County? *Tenn. Univ. Ext. SP* 150, 6 p.-folder. Oct. 1965. 275.29 T25Sp
Forest trees.
- 31300 WELLS, O. O., and WAKELEY, P. C. Geographic variation in survival, growth, and fusiform-rust infection of planted loblolly pine. *Forest Sci. Monogr.* 11, 40 p., map. Ref. 1966. 99.8 F76322
- 31301 WELLS, O. O. Variation in rust resistance among pine seed sources and species in a Mississippi planting. *Forest Sci.* 12(4):461-463, map. Dec. 1966. 99.8 F7632
- 31302 WOLTERSON, J. F. Bud grafting in Douglas fir. (Du) *Ned. Bosbouw Tijdschr.* 38(10):350-356. Oct. 1966. 99.8 N28
English summary.

WOOD TECHNOLOGY

- 31303 ASSARSSON, A., and AKERLUND, G. Studies on wood resin, especially the change in chemical composition during seasoning of the wood. 4. The composition of the petroleum ether soluble nonvolatile extractives from fresh spruce, pine, birch and aspen wood. *Svensk Papperstidn* 65(16):517-525. Ref. Aug. 31, 1966. 302.8 Sv2
- 31304 BAKER, G. Predicting tree specific gravity. *Maine Farm Res.* 14(2):17-19. July 1966. 100 M28Ma
Increment cores on red pine.
- 31305 BARTUNEK, R. Degradation of chain length and fibre structure by aging of alkaliceullose. (Ge) *Papier* 20(10A):709-711. Oct. 1966. 302.8 P1934
English summary.
- 31306 BARUCHA, M. O. The effects wood physical properties of pine wood on the technological process in mine timber conversion. (Ge) *Holzindustrie* 19(10):277-279. Ref. Oct. 1966. 99.8 H242
- 31307 BELDI, F., and others. Determination of dielectric characteristics of *Quercus robur* and *Q. sessiliflora*. I. (Hu) *Faipar* 16(10):294-310. Oct. 1966. 99.82 F14
J. Balint, J. Szabo, and B. Ruzsa, joint authors.
- 31308 BOGOMOLOV, B. D., SHTREIS, G. B., and GEL'FAND, E. D. Determination of the phenolic hydroxyl groups of thioglycin by the method of Aulin-Erdman. (Rus) *Les. Zh.* 3:129-133. Ref. 1965. 99.8 L28
- 31309 COMSTOCK, G. L. Dimensional changes in kiln-dried softwood lumber after surfacing and during storage. U. S. Forest Serv. Res. Note FPL-0144, 20 p. Sept. 1966. A99.9 F7634Un
To determine whether delayed shrinkage occurs; Douglas-fir and loblolly pine.
- 31310 DINWOODIE, J. M. Growth stresses in timber—a review of literature. *Forestry* 39(2):162-170. Ref. 1966. 99.8 F767
- 31311 DUCHNOWSKI, K. About the development and improvement of text-books and other publications in the scope of wood science and wood-working. (Pol) *Przem. Drzewny* 16(8):304-305. Aug. 1965. 99.82 P95
- 31312 FENGEL, D. On the changes of the wood and its components within the temperature range up to 200 °C. III. Thermally and mechanically caused structural changes in sprucewood. (Ge) *Holz Roh-Werkstoff* 24(11):529-536. Ref. Nov. 1966. 99.81 H74
English summary.
- 31313 FOULGER, A. N. Longitudinal shrinkage pattern in eastern white pine stems. *Forest Prod. J.* 16(12):45-47. Dec. 1966. 99.9 F7662J

- 31314 GILLWALD, W. Contribution to the rheology of wood with special attention to its damping characteristics. 5 p. Transl. 16269
Translation from Perspektivy Zakladnoho Vyskumu Dreva 12(3/6):325-328. 1963.
- 31315 GILMORE, A. R., BOYCE, S. G., and RYKER, R. A. The relationship of specific gravity of loblolly pine to environmental factors in southern Illinois. Forest Sci. 12(4):399-405, map. Ref. Dec. 1966. 99.8 F7632
- 31316 GROZDOVA, N. B. The wood of different forms of European white birch [*Betula pendula*] and pubescent birch [*Betula pubescens*]. (Rus) Les. Zh. 2:3-5. 1965. 99.8 I28
As related to bark types.
- 31317 GUERNSEY, F. W., and DOBIE, J. Properties and utilization of lodgepole pine in western Canada. Can. Dep. Forest. Publ. 1143, 24 p. Ref. 1966. 99.9 C1626P
Pinus contorta latifolia.
- 31318 HATA, K. Investigations on lignins and lignification. XXXIII. Studies on lignins isolated from spruce wood decayed by *Poria subacida* BII. Holzforschung 20(5):142-147. Ref. Oct. 1966. 99.8 H74
- 31319 HOOKS, R. A. A taxonomical investigation into the comparative anatomy of the genus *Terminalia*; family, Combretaceae. Inst. Wood Sci. J. 17:7-26. Ref. Nov. 1966. 99.82 In7
- 31320 JOHNSTON, D. D. The specific gravity and moisture content of conifers. Scot. Forest. 20(4):255-260. Oct. 1966. 99.8 Sc03
- 31321 KAMINSKI, E., and JOZEFACIUK, J. Some selected physical properties of Scots pine branch waste-wood and remarks on its seasoning. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 7:115-129. 1965. 99.9 W262
English summary.
- 31322 KAUMAN, W. G. On the deformation and setting of the wood cell wall. Holz Roh-Werkstoff 24(11):551-556. Ref. Nov. 1966. 99.81 H74
- 31323 KISHIMA, T. Review of tylosis formation in hardwood vessels. 8 p. Ref. Transl. 16287
Translation from Kyoto University. Wood Research Institute. Bulletin 37:1-5. Mar. 1966.
- 31324 KLEMOLA, A., and NYMAN, G. A. Steam hydrolysis of birchwood; the effect of hydrolysis on the hemicellulose, cellulose, and on the lignin of birchwood. Pap. Puu 48(10):595-598, 600-603. Ref. Oct. 31, 1966. 302.3 P1991
Betula pubescens and *B. verrucosa*.
- 31325 KOBLITZ, H. Aspects for biogenesis of lignins. (Ge) Papier 20(10A):672-677. Ref. Oct. 1966. 302.3 P1934
English summary.
- 31326 KOLLMANN, F. Physical and mechanical properties of the common beech [*Fagus sylvatica*] wood. (Ge) Wald Holz 48(4):114-125. Dec. 1966. 99.8 W14
- 31327 KRISZTIAN, MRS. GY. Results of investigations on the mechanical machining properties of steamed and not steamed beech sawn log. (Hu) Faipar 16(10):301-304. Oct. 1966. 99.82 F14
- 31328 KROSHILOVA, T. M., and NIKITIN, V. M. Coupling reaction of sulfate lignin with diazotized anthranilic acid. (Rus) Les. Zh. 3:124-128. 1965. 99.8 I28
- 31329 LAURICIO, F. M., and BELLOSILLO, S. B. The mechanical and related properties of Philippine woods. Lumberman [Manila] 12(5):66, 66A-66H. Aug/Sept. 1966. 99.81 L9793
- 31330 LINNARD, W. A note on the wood of *Metasequoia*. Wood [London] 13(11):46. Nov. 1966. 99.82 W855
Properties.
- 31331 MARSHALL, P. E. A simple moisture content indicator. Inst. Wood Sci. J. 17:58-62. Nov. 1966. 99.82 In7
- 31332 MCELWEE, R. L., and FAIRCLOTH, J. B. Variation in wood properties of water tupelo in the southeastern coastal plain. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(12):538-541, map. Ref. Dec. 1966. 302.8 T162
- 31333 MCKIMMY, M. D. A variation and heritability study of wood specific gravity in 46-year-old Douglas-fir from known seed sources. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(12):542-549, map. Ref. Dec. 1966. 302.8 T162
- 31334 MIRZAGAEV, A. N. Distribution of moisture in wood of growing beech stems. (Rus) Les. Zh. 3:168-169. 1965. 99.8 I28
- 31335 MISILO, P. Study of the effect of the size of testing sample on the absorption and moist deformation during absorption. I. The speed of absorption in the moisture condensed air. (Se) Pregled 2(4):15-24. Dec. 1965. 99.9 P91
German summary.
- 31336 NARAYANAMURTI, D., and KAUL, R. K. Heat stabilised compressed wood from Indian hardwoods and factors affecting improvement in properties. Holz Roh-Werkstoff 24(11):556-559. Nov. 1966. 99.81 H74
- 31337 NORSTEDT, I., and SAMUELSON, O. Determination of uronic and aldonic acid groups in cellulose and hemicellulose. Svensk Papperstidn. 69(21):729-735. Ref. Nov. 15, 1966. 302.8 Sv2
- 31338 OKSTAD, T. Thickness of bark and dry matter content of spruce. (No) Norsk Skogbruk 11(21):693-694. Nov. 1965. 99.8 N615
Picea abies.
- 31339 ORLOV, V. I., and SHARKOV, V. I. The alcoholysis reaction of cellulose in media containing different aliphatic alcohols. (Rus) Les. Zh. 3:141-150. Ref. 1965. 99.8 I28
- 31340 ORLOV, V. I., and SHARKOV, V. I. The formation and decomposition of alkylglucosides during alcoholysis of cellulose. (Rus) Les. Zh. 2:127-133. 1965. 99.8 I28
- 31341 PILIPCHUK, YU. S., PEN, R. Z., and FINKEL'SHTEIN, A. V. The nature of the bond between lignin and other wood components. (Rus) Les. Zh. 3:151-152. 1965. 99.8 I28
- 31342 RIECHE, A., REDINGER, L., and LINDENHAYN, K. Hydrogenation of lignin. (Ge) Brennstoff-Chem. 47(11):326-330. Ref. Nov. 1966. 384 B75
- 31343 SAMUELSON, O., and WICTORIN, L. Uronic acids in birch hemicellulose. Svensk Papperstidn. 69(22):777-782. Ref. Nov. 30, 1966. 302.8 Sv2
Betula verrucosa.
- 31344 SAUTER, J. J. On seasonal changes in water content and transport in heartwood and sapwood of *Populus*. (Ge) Holzforschung 20(5):137-142. Ref. Oct. 1966. 99.8 H74
English summary.
- 31345 SEKHAR, A. C. Dynamic stresses in timber. Holz Roh-Werkstoff 24(11):559-563. Ref. Nov. 1966. 99.81 H74
- 31346 STAMM, A. J. Maximum pore diameters of film materials. Forest Prod. J. 16(12):59-63. Ref. Dec. 1966. 99.9 F7662J
In relation to wood.
- 31347 THOMPSON, N. S., and others. Investigations on the isolation and carbohydrate composition of different components of trees and wood. Pulp Pap. Mag. Can. 67(12):T541-T551. Dec. 1966. 302.8 P96
H. H. Heller, J. D. Hankey, and O. Smith, joint authors.
Review of the literature.
- 31348 VASIL'EV, O. A. Study of acidity of pine and spruce. (Rus) Les. Zh. 3:104-108. 1965. 99.8 I28
- 31349 WHITE, D. J. B., and ROBARDS, A. W. Some effects of radial growth rate upon the rays of certain ring-porous hardwoods. Inst. Wood Sci. J. 17:45-52. Nov. 1966. 99.82 In7
Fraxinus excelsior, *Castanea sativa* and *Sassafras officinale* wood.
- 31350 WILSON, B. F., WODZICKI, T. J., and ZAHNER, R. Differentiation of cambial derivatives: proposed terminology. Forest Sci. 12(4):438-440. Ref. Dec. 1966. 99.8 F7632
- 31351 YEAN, W. Q., and others. The effect of pre-treatment of wood at high temperature and pressure on delignification by acid sulphite. Pulp Pap. Mag. Can. 67(12):T570-T572. Ref. Dec. 1966. 302.8 P96
T. Higgs, G. Suranyi, and D. A. I. Goring, joint authors.

PLANT SCIENCE

GENERAL

- 31352 BIRO, J. Documentational photography of paper and thin-layer chromatograms. (Hu) *Herba Hung.* 5(2/3):275-282, 1966. 71.8 H413
German summary.
In plant research.
- 31353 BOERBOOM, J. H. A., and ZAGWIJN, W. H. Pollen-analytical investigations in the coastal Dune area near the Hague, the Netherlands. *Acta Bot. Neer.* 15(2):376-388, map. Ref. Sept. 1966. 450 Ac822
- 31354 BOORMAN, L. A., and WOODDELL, S. R. J. The topograph, an instrument for measuring microtopography. *Ecology* 47(5):869-870. Late Summer, 1966. 410 Ec7
Used in botanical research.
- 31355 BURZLAFF, D. F. The focal-point technique of vegetation inventory. *J. Range Manage.* 19(4):222-223. July 1966. 60.18 J82
Telescopes for identification.
- 31356 CHITALEY, S. D. Preservation of Gnetum material in natural colour. *Curr. Sci.* 35(17):444. Sept. 5, 1966. 475 Sci23
- 31357 COPENHAGEN, UNIVERSITETET, BOTANISKE HAVE. Beretning [Report of the Botanic Garden]. 1965. Kobenhavn, 1966. 42 p., map. 451 C792
- 31358 CRUDEN, R. W. Birds as agents of long-distance dispersal for disjunct plant groups of the temperate Western Hemisphere. *Evolution* 20(4):517-532. Ref. Dec. 1966. 443.8 Ev62
- 31359 DOROFEEV, P. I. The Miocene flora from the environs of the village Yuroskoye on Irtysh. (Rus) *Bot. Zhur.* [Moscow] 51(10):1480-1489. Ref. Oct. 1966. 451 R923
- 31360 DOUCET, R. Phytotechny. (Fr) *Quebec Lait. Aliment.* 25(11):29-33. Nov. 1966. 44.8 Q3
Education in the field.
- 31361 FLIZER, P. Vegetation and climate of northern Alpi piemont in the interglacial period. (Ge) *Forsch. Fortschr.* 40(3):70-73. Ref. Mar. 1966. 474 F772
- 31362 GRANDCHAMP, P. Fluorescent photography in the field of research. (Fr) *Agr. Romande (ser. A)* 5(6):65-67. June 1966. 17 Ag8
Plants and insects.
- 31363 HOLY, F. Paleocarpology, a modern working method of paleobotany. (Cz) *Prague. Nar. Mus. Oddil Prirodovedny. Cas.* 135(1):40-45. 1966. 510 P886C
English summary.
- 31364 HORVATH, I. A block phytotom. *Acta Bot.* 12(3/4):285-291. Ref. 1966. 450 Ac823
- 31365 KEEFE, A. M. Our debt to the clerical botanists. *Biologist* 48(3/4):45-61. Ref. June 1966. 442.8 B5263
- 31366 LAGERSTEDT, H. B., HALLIWELL, R. S., and LANGSTON, R. An improved technique for maintaining detached leaves. *HortScience* 1(1):21. Winter 1966. SBI.H6
- 31367 LINDSAY, G. E. The Gulf Islands Expedition of 1966. *Calif. Acad. Sci. Proc. (ser. A)* 30(16):309-355, map. Ref. Dec. 30, 1966. 500 C12P
Includes botany and entomology.
- 31368 MCINTYRE, D. J., and WILSON, G. J. Preliminary palynology of some Antarctic Tertiary erratics. *New Zeal. J. Bot.* 4(3):315-321. Sept. 1966. 450 N48
- 31369 MITCHELL, A. F. Dating the "Ancient" oaks. *Quart. J. Forest.* 60(4):271-276. Oct. 1966. 99.8 Q2
By girth-age index; in Great Britain.
- 31370 MULLER, H. M. Contributionary notes on the development of vegetation on the sandr of Moenchsheide near Chorin. (Ge) *Arch. Forstwesen* 15(8):857-867, map. Ref. 1966. 99.8 Ar22
English summary.
Pollen studies.
- 31371 MULLER, J. Montane pollen from the Tertiary of NW. Borneo. *Blumea* 14(1):231-235. 1966. 450 B62
Paleobotany.
- 31372 OPRAVIL, E. A contribution to the flora of the Mindel-Riss interglacial period in the Ostrava-Muglinov area. (Cz) *Cas. Slezskeho Muz., Ser. A, Sci. Natur.* 14(2):183-186. 1965. 510 T75
German summary.
- 31373 OVCHINNIKOV, P. N. The unity of botanical science and the problem of botanic gardens. (Rus) *Bot. Zhur.* [Moscow] 51(10):1373-1390. Ref. Oct. 1966. 451 R923
English summary.
- 31374 PHILIP, J. R. Some integral equations in geometrical probability. *Biometrika* 53(4/4):365-374. Ref. Dec. 1966. 442.8 B522
Plants.
- 31375 PLANDEROVA, E. Mikropaleobotanické spracovanie terciérnych sedimentov z oblasti vnútrokarpatských kotlin na Slovensku [Micropaleobotanic elaboration of Tertiary sediments in the area of Inner-Carpathian basins in Slovakia]. *Biol. Prace* 12(3), 94 p., map. 1966. 442.9 SL52
English summary.
Bibliography, p. 88-92.
- 31376 ROUKHIYAINEN, M. I. A contribution to the method of conservation of small marine flagellate algae for the estimation of their abundance. (Rus) *Bot. Zhur.* 51(7):959-961. July 1966. 451 R923
- 31377 SCHWEGMAN, J., and MOHLENBROCK, R. H. Botanical field studies in the southern tip of Illinois. *Ill. State Acad. Sci. Trans.* 59(4):369-372, map. 1966. 500 IL6
- 31378 SHIELDS, P. W., and DUNCAN, D. A. Fall and winter food of California quail in dry years. *Calif. Fish Game* 52(4):275-282. Oct. 1966. 410 C12
- 31379 SPARLING, S. R., MULLER, W. H., and THEOBALD, W. L. Botany, a laboratory manual. New York, Macmillan, 1966. 181 p. QK53.S6
- 31380 U. S. DEPT. OF AGRICULTURE. PLANT SCIENCE AND ENTOMOLOGY RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at meeting, March 1-5, 1965, Silver Spring and Beltsville, Maryland. Washington, Research Program Development and Evaluation Staff, 1965. 11 p. as19.U5
- 31381 VAN DER BURGH, J., and MEULENKAMP, J. E. Some fossil palmlike wood samples from the eastern Netherlands. (Ge) *Acta Bot. Neer.* 15(2):276-283. Ref. Sept. 1966. 450 Ac822
English summary.
- 31382 VASUDEVAN NAMBUDIRI, E. M. More Nypa fruits from the Deccan Intertrappean beds of Mohgaonkalan. *Curr. Sci.* 35(16):421-422. Aug. 20, 1966. 475 Sci23
- 31383 VISSCHER, H. Palaeobotany of the Mesophytic. III. Plant microfossils from the Upper Bunter of Hengelo, the Netherlands. *Acta Bot. Neer.* 15(2):316-375. Ref. Sept. 1966. 450 Ac822
- 31384 WOODDELL, S. R. J., and BOORMAN, L. A. A light, sturdy, inexpensive point quadrat frame. *Ecology* 47(5):870-871. Late Summer, 1966. 410 Ec7
Used in botanical research.
- 31385 ZANDSTRA, K. J. The occurrence of *Salvinia natans* (L.) All. in Holocene deposits of the Rhine delta. *Acta Bot. Neer.* 15(2):389-393, map. Ref. Sept. 1966. 450 Ac822
Pollen studies.
- 31386 ZHADKOVA, N. G., and others. Application of spectral-isotope method in agrochemical investigations. (Rus) *Agrokhimiya* 1:130-140. Ref. Jan. 1966. 385 Ag89
G. S. Lazeeva, L. I. Obolenskaya, and A. A. Petrov, joint authors.
Spectrometry in plant and soil research.

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 31387 ADAMKOVA, A., and BENES, K. Position and extent of the elongation zone in the root tip of the broad bean *Vicia faba* L. *Biol. Plant.* 8(6):427-430. 1966. 450 B52

- 31388 ARKHANGEL'SKI, D. B. The pollen of Thymelaeaceae Jussieu of the Soviet Union. (Rus) Bot. Zhur. [Moscow] 51(11):1597-1601. Ref. Nov.1966. 415 R923
- 31389 BANERJEE, S., and NANDI, B. Contribution to the cytology of Hymenomycetes. VII. Karyological studies in *Fomes lividus* Kalchauer. Caryologia 19(1):85-94. Ref. Jan./Mar.1966. 442.8 C25
- 31390 BARRERA, R., and WERNSMAN, E. A. Trichome type, density, and distribution on the leaves of certain tobacco varieties and hybrids. Tobacco [New York] 163(26):29-34. Ref. Dec.23,1966. 286.89 T552
- 31391 BEGA, R. V., and SCOTT, H. A. Ultrastructure of the sterigma and sporidium of *Cronartium ribicola*. Can. J. Bot. 44(12):1726-1727. Dec. 1966. 470 C16C
- 31392 BELL, P. R., FREY-WYSSLING, A., and MUHLETHALER, K. Evidence of the discontinuity of plastids in the sexual reproduction of a plant. J. Ultrastruct. Res. 15(1/2):108-121. Ref. Apr.1966. 440.3 J822
- 31393 BELOSTOKOV, G. P. Structure of the vascular system of above-ground shoots of leafy trees. (Rus) Bot. Zhur. [Moscow] 51(5):705-716. Ref. May 1966. 451 R923
- 31394 BISALPUTRA, T., and STEIN, J. R. The development of cytoplasmic bridges in *Volvox aureus*. Can. J. Bot. 44(12):1697-1702. Ref. Dec. 1966. 470 C16C
- 31395 BJBAK, M. The effect of cycocel on the mitosis of cells and disruption of cell division. (Cz) Biologia [Bratislava] 21(11):829-833. Ref. 1966. 442.8 B5265
German summary.
Broadbeans.
- 31396 BOBROV, A. E. Morphology of spore of the family Osmundaceae. (Rus) Bot. Zhur. [Moscow] 51(10):1452-1460. Oct.1966. 451 R923
English summary.
- 31397 BRANDT, A. B. A simplified method for determining the concentration of cells in a *Chlorella* suspension on basis of the optical density of the medium. (Rus) Fiziol. Rast. 13(3):537-540. May/June 1966. 450 F58
English summary.
- 31398 BRUNORI, A., AVANZI, S., and D'AMATO, F. Chromatid and chromosome aberrations in irradiated dry seeds of *Vicia faba*. Mutation Res. 3(4):305-313. Ref. Aug.1966. 443.8 M98
- 31399 CAMEFORT, H. Electron microscope study of neocytosoma of conocyte proembryos of *Pinus laricio* Poir. var. *austriaca* (P. nigra Arn.) with the nucleus move to the base of oosphere. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(19):1371-1374. Nov.7,1966. 505 P21
- 31400 CAMEFORT, H. Observations on mitochondria and on the leucoplasts of pollen origin after their entry into the oosphere of the Austrian pine (*Pinus laricio* Poir. var. *austriaca*, *Pinus nigra* Arn.). (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(15):959-962. Oct.10,1966. 505 P21
- 31401 CATARINO, F. M. Salt water, a growth inhibitor causing endopolyploidy. Port. Acta Biol. Ser. A, 9(1/2):131-152. Ref. 1965. 442.8 P83
Lobularia maritima.
- 31402 CHAMBERS, J. A. What is soya? Arkady Rev. 43(4):54-57. Dec.1966. 389.8 Ar4
Chiefly morphology.
- 31403 COCHRAN, H. L., and DEMPSEY, A. H. Stigma structure and period of receptivity in *pimentos* (*Capsicum frutescens* L.) Amer. Soc. Hort. Sci. Proc. 88:454-457. Ref. 1966. 81 S012
- 31404 COULT, D. A. Molecules and cells. London, Longmans, 1966. 166 p. Ref. (The Principles of Modern Biology) QH581.C6
Includes plants.
- 31405 DAFT, G. C., and LEBEN, C. A method for bleaching leaves for microscope investigation of microflora on the leaf surface. Plant Dis. Rep. 50(7):493. July 1966. 1.9 P69P
- 31406 DANILOVA, M. F., YASILEV, A. E., and MIROSLAVOV, E. A. Some problems of the modern plant histology. (Rus) Bot. Zhur. [Moscow] 51(11):1531-1541. Ref. Nov.1966. 451 R923
English summary.
Includes electron microscopy.
- 31407 DENNE, M. P. Morphological changes in the shoot apex of *Trifolium repens* L. 1. Changes in the vegetative apex during the plastochron. New Zeal. J. Bot. 4(3):300-314. Sept.1966. 450 N48
Cytological study.
- 31408 DEXHEIMER, J. Fine structure in pollen grains of *Corylus avellana* (L.). (Fr) Paris. Soc. Biol. Compt. Rend. 159(11):2116-2117. 1965. 442.9 P21
- 31409 DRUM, R. W. Electron microscopy of paired Golgi structures in the diatom *Pinnularia nobilis*. J. Ultrastruct. Res. 15(1/2):100-107. Ref. Apr.1966. 440.8 J822
- 31410 DZHILYANOV, L. The effect of the type of peach tree crown on its skeletal roots. (Bu) Gradinarska Lozarska Nauk. 2(2):131-135. 1965. 87 G75
English summary.
- 31411 ECOCHARD, R. Effects of X-irradiation on the meiosis of *Vicia faba*. Mutation Res. 3(4):314-326. Ref. Aug.1966. 443.8 M98
- 31412 ELEK, MRS. L. E. Development of fruit buds at Jonathan apples. (Hu) Budapest. Kerteszeti Szolész. Foiskola. Kozlemenyei 30(1):69-105. Ref. 1966. 80 B85
English summary.
- 31413 EVANS, G. M., DURRANT, A., and REES, H. Associated nuclear changes in the induction of flax genotrophs. Nature [London] 212(5063):697-699. Nov.12,1966. 472 N21
- 31414 EVERT, R. F., MURMANS, L., and SACHS, J. B. Another view of the ultrastructure of *Cucurbita* [maxima] phloem. Ann. Bot. (n.s.) 30(120):563-585. Ref. Oct.1966. 450 An7
- 31415 FRANK, W. W. Isolated nuclear membranes. J. Cell Biol. 31(3):619-623. Ref. Dec.1966. 442.8 J828
Allium cepa.
- 31416 GADELLA, T. W. J., KLIPHUIS, E., and MEN-NEGA, E. A. Chromosome numbers of some flowering plants of Spain and S. France. Acta Bot. Neer. 15(2):484-489. Ref. Sept.1966. 450 Ac822
- 31417 GADELLA, T. W. J. Some cytological observations in the *Logania* species. III. Acta Bot. Neer. 15(2):490-491. Sept.1966. 450 Ac822
- 31418 GASPARD, S. Data on the ploidy ratio of polyploid sugar beet cuttings. (Hu) Kukoripar 19(6):215-216. Nov./Dec.1966. 65.8 C89
German summary.
- 31419 GODINEAU, J. C. Ultrastructure of the embryo pouch of *Crepis tectorum* L.; the cells of the micropylar pole. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(12):852-855. Sept.19,1966. 505 P21
- 31420 GONZALEZ-FERNANDEZ, A., LOPEZ-SAEZ, J. F., and GIMENEZ-MARTIN, G. Duration of the division cycle in binucleate and mononucleate cells. Exp. Cell Res. 43(2):255-267. Ref. Sept.1966. 442.8 Ex7
In onions.
- 31421 GOULD, F. W. Chromosome numbers of some Mexican grasses. Can. J. Bot. 44(12):1683-1696. Ref. Dec.1966. 470 C16C
- 31422 GREEN, P. B., and KING, A. A mechanism for the origin of specifically oriented textures in development with special reference to *Nitella* wall texture. Australian J. Biol. Sci. 19(3):421-437. Ref. June 1966. 442.8 Au72
Cells development.
- 31423 GUEDES, M. The ligular stipule of *Drosera rotundifolia* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(15):963-966. Ref. Oct.10,1966. 505 P21
- 31424 GUIGNARD, J. L. Embryogenesis of *Caryophyllaceae*; development of embryo in *Cerastium glomeratum* Thuill. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(12):856-859. Sept.19,1966. 505 P21
- 31425 GUNTHER, I., and WORTMANN, G. B. Dust on the surface of leaves. J. Ultrastruct. Res. 15(5/6):522-527. Aug.1966. 440.8 J822
Includes morphology of *Crambe maritima*, *Chelidonium majus* and *Taraxacum officinale*; also electron microscopy.

- 31426 GUTZ, H. Induction of mitotic segregation with p-fluorophenylalanine in *Schizosaccharomyces pombe*. *J. Bacteriol.* 92(5):1567-1568. Nov. 1966. 448.3 J82
- 31427 HAIDLE, C. W., and STORCK, R. Control of dimorphism in *Mucor rouxii*. *J. Bacteriol.* 92(4):1236-1244. Ref. Oct. 1966. 448.3 J82
- 31428 HANELT, P. Incidence of polyploidy and the geographic distribution of higher plants. (Ge) *Biol. Rundsch.* 4(4):183-196. Ref. 1966. 442.8 B5272
- 31429 HARTMANN, G. C. The cytology of *Alternaria tenuis*. *Mycologia* 58(5):694-701. Sept./Oct. 1966. 450 M99
- 31430 HASHIMOTO, T., YOSHIDA, N., and FUJIMOTO, M. Osmium tetroxide fixation for the ultrastructural studies of Fungi. *J. Electron. Microscop.* 15(2):99. Ref. 1966. 440.8 J823
- 31431 HAWKER, L. E., GOODAY, M. A., and BRACKER, C. E. Plasmodesmata in fungal cell walls. *Nature* 212(5062):635. Nov. 5, 1966. 472 N21
In *Rhizopus sexualis* and *Gibbertella persicaria*.
- 31432 HORN, W. Additional chromosomes of ornamental plants. (Ge) *Umschau* 66(13):435. July 1, 1966. 474 Um7
- 31433 HOSEMAN, R., and KREUTZ, W. On the tertiary structure of the protein layers of chloroplasts. *Naturwissenschaften* 53(12):298-304. Ref. June 15, 1966. 474 N213
Statistical research methods.
- 31434 HUTCHISON, D. J. Translocation configurations in a diploid banana. *Can. J. Genet. Cytol.* 8(2):184-187. June 1966. 443.8 C16
Chromosomes.
- 31435 INTERNATIONAL Review of Cytology. Volume 20, edited by G. H. Bourne and J. F. Danielli. New York, 1966. 380 p. Ref. 442.8 In82
Includes plants and livestock
- 31436 ISHIHARA, A. Histology and organogenesis in carrot callus tissue cultured in vitro. (Ja) *Crop Sci. Soc. Japan, Proc.* 34(4):431-439. Ref. June 1966. 22.5 C88
English summary.
- 31437 IWABUCHI, M., TANIFUJI, S., and OCHIAI, H. Production of two different types of chromosome breaks by X-rays. *Jap. J. Genet.* 41(5):395-402. Ref. Oct. 1966. 442.9 J27
Trillium kamschatcicum.
- 31438 IWABUCHI, M., SAHO, T., and TANIFUJI, S. Studies on the factors affecting the rejoining of chromosome breaks produced by X-rays. I. Effects of mitomycin C, chloramphenicol, adenosine triphosphate and nucleosides on the yield of X-ray induced chromosome aberrations. *Jap. J. Genet.* 41(5):379-388. Ref. Oct. 1966. 442.9 J27
Trillium kamschatcicum.
- 31439 JAIN, T. C., and MISRA, D. K. Leaf area estimation by linear measurements in *Ricinus communis*. *Nature [London]* 212(5063):741-742. Nov. 12, 1966. 472 N21
- 31440 JANOWSKI, M. Detection of ribosomes and polysomes in *Acetabularia mediterranea*. *Life Sci.* 5(22):2113-2116. Nov. 1966. 442.8 L62
- 31441 JOHNSON, B. F., and GIBSON, E. J. Autoradiographic analysis of regional cell wall growth of yeasts. III. *Saccharomyces cerevisiae*. *Exp. Cell Res.* 41(3):580-591. Mar. 1966. 442.8 Ex7
- 31442 JOHNSON, W. M. Vegetative apomixis in *Carex*. *J. Range Manage.* 19(5):305-306. Sept. 1966. 60.18 J82
- 31443 JONES, S. B. Compositae chromosome numbers. *Torrey Bot. Club. Bull.* 93(4):278-279. July/Aug. 1966. 451 T63B
- 31444 JOVANOVICS, K. Root study of the experimentally cultivated *Anisodorus luridus* Link. (Rus) *Herba Hung.* 5(1):41-44. 1966. 71.8 H413
German summary.
- 31445 KABULOV, S. K. Polycarpellate fruits of some species of maple (*Acer L.*). (Rus) *Bot. Zhur. [Moscow]* 51(11):1617-1620. Ref. Nov. 1966. 451 R923
- 31446 KANEWSKI, K. Scleroidal concretions in the fruit of *Physalis alkekengi L.* *Acad. Polon. Sci. Biol. Ser. Sci. Biol.* 14(8):569-573. Ref. 1966. 512 W262
- 31447 KAPOOR, B. M. Contributions to the cytology of endosperm in some angiosperms. X. *Nigella damascena* and *N. sativa*. *Caryologia* 19(1):73-83. Ref. Jan./Mar. 1966. 442.8 C25
- 31448 KAWATA, S. I., and LAI, K. L. On the cell wall thickening of the endodermis in the crown roots of rice plants. (Ja) *Crop Sci. Soc. Japan, Proc.* 34(4):440-447. Ref. June 1966. 22.5 C88
English summary.
- 31449 KUBITSCHKE, H. E., and CASSLE, M. Alternative states in control of the constancy and rate of cell division in *Saccharomyces cerevisiae*. *Exp. Cell Res.* 42(2):281-290. May 1966. 442.8 Ex7
Cultures.
- 31450 LAUDI, G. Researches on the ultrastructure of the plastids of parasitic plants. II. *Lathraea squamaria*. (It) *Caryologia* 19(1):47-54. Jan./Mar. 1966. 442.8 C25
- 31451 LEHFELDT, W. Origination of binucleate mycelium in heterothallic Basidiomycetes. 17 p. *Transl.* 16132
Translation from Hedwigia 64:30-51. 1923.
- 31452 LIU, I. M. Low-temperature-induced morphological changes of meiotic chromosomes in *Paris verticillata*. (Ja) *Jap. J. Genet.* 41(5):351-356. Ref. Oct. 1966. 442.9 J27
English summary.
- 31453 LOPEZ-SAEZ, J. F., RISUENO, M. C., and GIMENEZ-MARTIN, G. Inhibition of cytokinesis in plant cells. *J. Ultrastruct. Res.* 14(1/2):85-93. Jan. 1966. 440.8 J822
Phalaris canariensis.
- 31454 LOTT, R. V., and SIMONS, R. K. Sequential development of floral tube and style abscission in the Montmorency cherry *Prunus cerasus L.* *Amer. Soc. Hort. Sci. Proc.* 88:208-218. Ref. 1966. 81 So12
- 31455 LU, B. C. Fine structure of meiotic chromosomes of the basidiomycete *Coprinus lagopus*. *Exp. Cell Res.* 43(1):224-227. Ref. Aug. 1966. 442.8 Ex7
- 31456 LU, B. C. Golgi apparatus of the basidiomycete *Coprinus lagopus*. *J. Bacteriol.* 92(6):1831-1834. Dec. 1966. 448.3 J82
- 31457 MALINOVSKII, O. V., and MITUYSHOVA, N. M. Intensity of postradiational restoration of yeast cells on various media in the period preceding the realization of radiational injuries in the process of multiplication. (Rus) *Akad. Nauk SSSR. Dokl.* 170(2):455-456. 1966. 511 P444A
- 31458 MARCHAND, L. S., MCLEAN, A., and TISDALE, E. W. Uniform garden studies on the *Artemisia tridentata* Nutt. complex in interior British Columbia. *Can. J. Bot.* 44(12):1623-1632. map. Ref. Dec. 1966. 470 C16C
Morphological and phenological study.
- 31459 MARCHANT, R. Wall structure and spore germination in *Fusarium culmorum*. *Ann. Bot. (n.s.)* 30(120):821-830. Ref. Oct. 1966. 450 An7
- 31460 MARKS, G. E. The origin and significance of intraspecific polyploidy: experimental evidence from *Solanum chacoense*. *Evolution* 20(4):552-557. Ref. Dec. 1966. 443.8 Ev62
- 31461 MARTIN, F. W., and ORTIZ, S. New chromosome numbers in some *Dioscorea* species. *Cytologia* 31(1):105-107. Mar. 1966. 442.8 C99
- 31462 MATTINGLY, E. Differences in mitotic cycle in various tissues of *Vicia faba* roots as revealed by 5-amino uracil synchronization of cell division. *Exp. Cell Res.* 42(2):274-280. Ref. May 1966. 442.8 Ex7
- 31463 MEEUSE, A. D. J. The homology concept in phytomorphology—some moot points. *Acta Bot. Neerl.* 15(2):451-476. Ref. Sept. 1966. 450 Ac822
- 31464 MELENDEZ-HOWELL, L. M. Ultrastructure of the generative spore pore of the genus *Coprinus* Link. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(9):717-720. Aug. 29, 1966. 505 P21
- 31465 MENZEL, M. Y. The pachytene chromosome complement of *Hibiscus cannabinus*. *Cytologia* 31(1):36-42. Ref. Mar. 1966. 442.8 C99
- 31466 MICKEL, J. T., WAGNER, W. H., and CHEN, K. L. Chromosome observations on the ferns of Mexico. *Caryologia* 19(1):95-102. Jan./Mar. 1966. 442.8 C25

- 31467 MILLER, D. M., and ANDERSON, J. D. The morphology, migration and pressure development of oriented plasmodia of the slime mold. Ill. State Acad. Sci. Trans. 59(4):352-357. Ref. 1966. 500 IL6
Physarum polycephalum.
- 31469 MIROSLAVOV, E. A. On the peculiar structure in the plastids of the guard cells of the leaf of *Vicia faba* L. (Rus) Bot. Zhur. 51(7):982-983. July 1966. 451 R923
- 31469 MIZUKAMI, I., and GALL, J. Centriole replication. II. Sperm formation in the fern, *Marsilea*, and the cycad, *Zamia*. J. Cell Biol. 29(1): 97-111. Ref. Apr. 1966. 442.8 J828
- 31470 MOAR, N. T. Studies in pollen morphology. 3. The genus *Gingidium* J.R. and G. Forst. in New Zealand. New Zeal. J. Bot. 4(3):322-332. Ref. Sept. 1966. 450 N48
- 31471 MOHAMED, A. H., APPELEGATE, H. G., and SMITH, J. D. Cytological reactions induced by sodium fluoride in *Allium cepa* root tip chromosomes. Can. J. Genet. Cytol. 8(2):241-244. Ref. June 1966. 443.8 C16
- 31472 MOLLENHAUER, H. H., and LARSON, D. A. Developmental changes in raphide-forming cells of *Vanilla planifolia* and *Monstera deliciosa*. J. Ultrastruct. Res. 16(1/2):55-70. Ref. Sept. 1966. 440.8 J822
- 31473 MOOR, H. Ultrastructures in the nucleus of baking yeasts. (Ge) J. Cell Biol. 29(1):153-156. Apr. 1966. 442.8 J828
- 31474 MUEHLBAUER, F. J., and MARSHALL, H. G. A cytological study of certain autotetraploid *Avena* hybrids. Crop Sci. 6(5):466-468. Ref. Sept./Oct. 1966. 64.8 C883
- 31475 MURIN, A. The effect of temperature on the mitotic cycle and its time parameters in root tips of *Vicia faba*. Naturwissenschaften 53(12): 312-313. June 15, 1966. 474 N213
- 31476 NAGAI, R., and REBHUN, L. I. Cytoplasmic microfilaments in streaming *Nitella* cells. J. Ultrastruct. Res. 14(5/6):571-589. Ref. Mar. 1966. 440.8 J822
- 31477 NAYAR, B. K., BAJPAI, N., and RAZA, F. Morphological studies on some species of *Elaeagnus*, *Dodonaea*, *Woodwardia* and *Stenochlaena*. L. The gametophytes and the juvenile sporophytes. Linn. Soc. London. J. Bot. 59(380): 405-423. Ref. July 1966. 451 L643
- 31478 NIKITICHEVA, Z. I. A contribution to the embryology of *Lathraea squamaria* L. (Scrophulariaceae). (Rus) Bot. Zhur. [Moscow] 51 (11):1607-1617. Ref. Nov. 1966. 451 R923
- 31479 NILSSON, O. Studies in *Montia* L. and *Claytonia* L. and allied genera. II. Some chromosome numbers. Bot. Not. 119(3):464-468. 1966. 450 B366
- 31480 OTTOLENGHI, P. The numerical equivalence of cells and protoplasts in a budding yeast. Exp. Cell Res. 43(1):148-152. Ref. Aug. 1966. 442.8 Ex7
- 31481 PALACIOS, R. A., and TIRANTI, I. N. Numero cromosomico de especies argentinas de *Cienfuegosia* Cav. (Malvaceae) [Chromosome number of Argentine species of *Cienfuegosia* Cav. (Malvaceae)]. Pres. Roque Saenz Pena. Estac. Exp. Agropecuar. Bol. 40,12 p. July 1966. 102.5 P922
- 31482 PALYI, I., TYIHAK, E., and PALYI, V. Cytological and karyological study of plant extracts in normal and tumor-cell cultures. (Ge) Herba Hung. 5(2/3):231-235. 1966. 71.8 H413
- 31483 PERIASAMY, K., and SWAMY, B. G. L. Morphology of the anterior tapetum of Angiosperms. Cur. Sci. 35(17):427-430. Sept. 5, 1966. 475 Sci23
- 31484 PRICE, W. C., MARTINEZ, A. P., and WARMKE, H. E. Crystalline inclusions in chloroplasts of the coconut palm [*Cocos nucifera*]. J. Ultrastruct. Res. 14(5/6):618-621. Ref. Mar. 1966. 440.8 J822
Electron microscopy used.
- 31485 PROBINE, M. C., and BARBER, N. F. The structure and plastic properties of the cell wall of *Nitella* in relation to extension growth. Australian J. Biol. Sci. 19(3):439-457. Ref. June 1966. 442.8 Au72
- 31486 RAGHUVANSHI, S. S., and JOSHI, S. *Foeniculum vulgare*: polyploidy, translocation heterozygosity and pollen variability. I. Cytology. Cytologia 31(1):43-58. Ref. Mar. 1966. 442.8 C99
Colchicine gammexane applied.
- 31487 REITSMA, T. Pollen morphology of some European Rosaceae. Acta Bot. Neer. 15(2):290-307. Ref. Sept. 1966. 450 Ac822
- 31488 RHEA, R. P. Electron microscopic observations on the slime mold *Physarum polycephalum* with specific reference to fibrillar structures. J. Ultrastruct. Res. 15(3/4):349-379. Ref. June 1966. 440.8 J822
- 31489 RIEGER, R. Attempts at an alternative interpretation for the origin of chromosomal structural changes: breakage-reunion hypothesis and exchange hypothesis. (Ge) Biol. Zentralbl. 85(1):29-46. Ref. Jan./Feb. 1966. 442.8 B523
Plants.
- 31490 ROCHOW, T. G., and others. In memory of Alan F. Kirkpatrick: Light and electron microscopical studies of *Pleurisigma angulatum* for resolution of detail and quality of image. Microscope 15(5):177-201. Ref. July/Aug. 1966. 440.8 M584
F. G. Rowe, E. J. Thomas, and A. F. Kirkpatrick, joint authors.
- 31491 RODIONOVA, G. B. Embryogenesis of *Lunaria annua* L. (Rus) Bot. Zhur. [Moscow] 51(10): 1506-1511. Ref. Oct. 1966. 451 R923
- 31492 RUDOLPH, E. D., and GIESY, R. M. Electron microscope studies of lichen reproductive structures in *Physcia alpicola*. Mycologia 58 (5):786-796. Ref. Sept./Oct. 1966. 450 M99
- 31493 SHAH, J. J., UNNIKRISHNAN, K., and POULOSE, K. V. Vessel member length-diameter and perforation plate-vessel member length relations in *Dioscorea alata* L. Biol. Plant. 8(6):421-425. Ref. 1966. 450 B52
- 31494 SHARMA, P. C. A contribution to the stomatal study of *Marsilea minuta* Linn. Cur. Sci. 35 (17):444-445. Sept. 5, 1966. 475 Sci23
- 31495 SHIMIZU, M., and TAKEOKA, Y. Effects of gibberellin on the morphogenesis in rice plants. 3. Comparative study upon the effects of gibberellin and auxins on the morphogenesis of spikelets. (Ja) Crop Sci. Soc. Japan. Proc. 34 (4):457-464. Ref. June 1966. 22.5 C88
English summary.
- 31496 SHIMIZU, M., KUNO, K., and TAKEOKA, Y. Effects of gibberellin on the morphogenesis in rice plants. 4. Effects of X-ray irradiation and gibberellin application on the morphogenesis of spikelets. (Ja) Crop Sci. Soc. Japan. Proc. 34(4):465-471. Ref. June 1966. 22.5 C88
English summary.
- 31497 SHUTAK, V. G., and DAYAWON, M. M. A method for studying the external structural characteristics of leaves including stomata number and size. HortScience 1(1):20. Winter 1966. SB1.H6
- 31498 SILAEVA, A. M., and SHIRYAEV, A. I. On the delicate structure of osmiophilic globules of plant chloroplasts. (Rus) Akad. Nauk SSSR. Dokl. 170(2):433-434. Ref. 1966. 511 P444A
- 31499 SIMONS, R. K. Anatomical diversity between cavity and basin regions of apple fruit. Amer. Soc. Hort. Sci. Proc. 88:105-115. Ref. 1966. 81 S012
Cytological study.
- 31500 SIMONS, R. K. Microtome cryostat applications for horticultural research. HortScience 10(1):21-23. Winter 1966. SB1.H6
For histological studies.
- 31501 SMARDA, J., and SMARDOVA, H. Semena rostlinnych druhu ve Vysokych Tatrah [Seeds of plant species of the High Tatra Mountains]. Biol. Prace 12(2), 89 p. Ref. 1966. 442.9 SL52
English summary.
Includes morphology, weight and dissemination.
- 31502 SPARROW, A. H. Review paper: Research uses of the gamma field and related radiation facilities at Brookhaven National Laboratory. Radiat. Bot. 6(5):377-405. Ref. Oct. 1966. 450 R11
Includes morphological studies.

- 31503 SPARVOLI, E., GAY, H., and KAUFMANN, B. P. Duration of the mitotic cycle in *Haplopappus gracilis*. *Caryologia* 19(1):65-71. Jan./Mar. 1966. 442.8 C25
- 31504 TANIFUJI, S., SAHO, T., and IWABUCHI, M. Studies on the factors affecting the rejoining of chromosome breaks produced by X-rays. II. Effectiveness of deoxyribonuclease triphosphates for reduction of X-ray-induced chromosome aberrations. *Jap. J. Genet.* 41(5):389-394. Ref. Oct. 1966. 442.9 J27
- 31505 TEREKHIN, E. S. Embryology of *Orobanchaceae*. I. *Phelypaea coccinea* (M. B.) Poir. (Rus) *Bot. Zhur.* [Moscow] 51(11):1601-1607. Ref. Nov. 1966. 451 R923
- 31506 TEUBER, M. On the destruction of the cytoplasmic membrane of *Saccharomyces cerevisiae* (Durch) by a methyl isothiocyanate containing soil fumigant. (Ge) *Plant Soil* 25(1):106-118. Ref. Aug. 1966. 450 P696
- 31507 TODOROV, KH. Morphogenesis of latent buds of grapes. (Bu) *Gradinarska Lozarska Nauk.* 2 (2):225-233. 1965. 37 G75
- 31508 French summary.
- 31509 TRET'YAK, T. V., and OKANENKO, A. S. Some features of the anatomic structure and water regime in polyploid sugar beet. (Rus) *Fiziol. Rast.* 13(3):469-478. Ref. May/June 1966. 450 F58
- 31510 English summary.
- 31511 TRET'YAKOVA, A. Morphological features of some Cyanophyta isolated from different soils of the U.S.S.R. (Rus) *Bot. Zhur.* [Moscow] 51 (10):1489-1493. Ref. Oct. 1966. 451 R923
- 31512 VAN DER PLUJM, J., and LINSKENS, H. F. Fine structure of pollen tubes in the style of *Penstemon*. (Ge) *Zuchter* 36(3):220-224. Ref. 1966. 442.8 Z8
- 31513 English summary.
- 31514 VASIL, I. K., and HILDEBRANDT, A. C. Variations of morphogenic behavior in plant tissue cultures. II. *Petroselinum hortense*. *Amer. J. Bot.* 53(9):869-874. Ref. Oct. 1966. 450 Am36
- 31515 VASIL'CHENKO, I. T. Neoteniccheskie izmeneniya u rastenii [Neotenic changes in plants]. *Moskva, Nauka*, 1965. 84 p. Ref. QK641.V3
- 31516 English summary.
- 31517 VESCOVI, P. Comparative ontogenesis of vegetative axillary shoot and the axillary shoot of reproduction of *Sarothamnus scoparius* Koch. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(19):1375-1378. Nov. 7, 1966. 505 P21
- 31518 WAGENAAR, E. B. High mitotic synchronization induced by 5-aminouracil in root cells of *Allium cepa* L. *Exp. Cell Res.* 43(4):184-190. Aug. 1966. 442.8 E87
- 31519 WALNE, P. L. The effects of colchicine on cellular organization in *Chlamydomonas* [eugametes]. I. Light microscopy and cytochemistry. *Amer. J. Bot.* 53(9):908-916. Ref. Oct. 1966. 450 Am36
- 31520 WHALEY, W. G., DAUWALDER, M., and KEPHART, J. E. The Golgi apparatus and an early stage in cell plate formation. *J. Ultrastruct. Res.* 15(1/2):169-180. Ref. Apr. 1966. 440.8 J822
- 31521 Corn.
- 31522 WHELAN, E. D. P., HORNBY, C. A., and LAPINS, K. O. Meiosis in *Prunus avium* L. *Cultivar Lambert*. *Can. J. Genet. Cytol.* 8(2):199-206. Ref. June 1966. 443.8 C16
- 31523 WILKINSON, R. E. Adventitious shoots on saltcedar roots. *Bot. Gaz.* 127(2/3):103-104. *June/Sept.* 1966. 450 R652
- 31524 WILLS, A. B. Meiotic behaviour in the *Brassicaceae*. *Caryologia* 19(1):103-116. Ref. Jan./Mar. 1966. 442.8 C25
- 31525 WIMBER, D. E. Prolongation of the cell cycle in *Tradescantia* [paludosa] root tips by continuous gamma irradiation. *Exp. Cell Res.* 42(2):296-301. Ref. May 1966. 442.8 E87
- 31526 WU, K. D., and GRANT, W. F. Morphological and somatic chromosomal aberrations induced by pesticides in barley (*Hordeum vulgare*). *Can. J. Genet. Cytol.* 8(3):481-501. Sept. 1966. 443.8 C16
- 31527 YATSENKO-KHMELEVSKII, A. A., and ZUBKOVA, I. G. The experience in the use of perforated cards in the studies of comparative and evolutionary morphology. (Rus) *Bot. Zhur.* 51 (7):952-959. Ref. July 1966. 451 R923
- 31528 ZHUKOVA, G. Y., and YAKOVLEV, M. S. Electronmicroscope study of the chloroplasts of *Nelumbo nucifera* Gaertn. embryo. (Rus) *Bot. Zhur.* [Moscow] 51(11):1542-1546. Ref. Nov. 1966. 451 R923
- 31529 English summary.
- 31530 ZHUKOVA, P. G. Numbers of chromosome in some species of plants of the north-eastern part of the U.S.S.R. (Rus) *Bot. Zhur.* 51(10):1511-1516. Ref. Oct. 1966. 451 R923

ECOLOGY

- 31531 BOALER, S. B. The ecology of *Pterocarpus angolensis* D.C. in Tanzania. London, 1966. 128 p., map. Ref. (Great Britain. Ministry of Overseas Development. Overseas Research Publication No. 12) QK938.F6B6
- 31532 Includes physiology and morphology.
- 31533 BYKOV, B. A. Use of the method of linear measurement for the determination of distribution and abundance of plants. (Rus) *Bot. Zhur.* 51(7):947-952. Ref. July 1966. 451 R923
- 31534 In plant associations.
- 31535 BYLEEVA, T. V. Pine type forests in the Meshchera lowland of Moscow area. (Rus) *Moscow Univ. Vestnik. Ser. 6, Biol. Pochvoed.* 2:85-92. Mar./Apr. 1966. 442.9 M854
- 31536 CALEF, G. W., and GRICE, G. D. Relationship between the blue-green alga *Trichodesmium thiebautii* and the copepod *Macrosetella gracilis* in the plankton off northeastern South America. *Ecology* 47(5):855-856. Late Summer, 1966. 410 Ec7
- 31537 FEISSER, H. G., and VAN DYNE, G. M. Influence of number and spacing of points on accuracy and precision of basal cover estimates. *J. Range Manage.* 19(4):205-211. Ref. July 1966. 60.18 J82
- 31538 Range ecology.
- 31539 GRANDTNER, M. M. First phytopedological study of the salt marsh on the Magdalen Islands. (Fr) *Natur. Can.* 93(4):361-366. July/Aug. 1966. 410 N216
- 31540 HEILMAN, P. E. Change in distribution and availability of nitrogen with forest succession on north slopes in interior Alaska. *Ecology* 47(5):825-831. Ref. Late Summer, 1966. 410 Ec7
- 31541 ISHIBULATOVA, N. G. Forest and shrubs in flood-plain of the River Belaya. (Rus) *Bot. Zhur.* [Moscow] 51(11):1645-1649. Ref. Nov. 1966. 451 R923
- 31542 JAMESON, D. A. Pinion [Pinus]-juniper [Juniperus] litter reduces growth of blue grama [*Bouteloua gracilis*]. *J. Range Manage.* 19(4):214-217. Ref. July 1966. 60.18 J82
- 31543 JANSSEN, C. R. Recent pollen spectra from the deciduous and coniferous-deciduous forests of northeastern Minnesota: a study in pollen dispersal. *Ecology* 47(5):804-825, map. Ref. Late Summer, 1966. 410 Ec7
- 31544 JUHREN, M. C. Ecological observations on *Cistus* in the Mediterranean vegetation. *Forest Sci.* 12(4):415-426, map. Ref. Dec. 1966. 99.8 F7632
- 31545 JUNG, E. On the problem of natural regeneration of *Pinus cembra* ssp. *sibirica* in the lower altitudes of the Altai within the region of the Teletskoye Lake. (Ge) *Arch. Forstwesen* 15 (5/6):617-628. Ref. 1966. 99.8 Ar22
- 31546 English summary.
- 31547 KAMYSHEV, N. S. The principles of the establishment, designation and discrimination (in nature) of plant associations. (Rus) *Bot. Zhur.* [Moscow] 51(10):1391-1400. Oct. 1966. 451 R923
- 31548 English summary.
- 31549 KARACIC, M. Study of the agricultural value of phytocenoses of pastures of the Vlasic mountain. (Sc) *Veterinaria* [Sarajevo] 15(1):1-22. Ref. 1966. 41.8 V6494
- 31550 English summary.

- 31539 KILBURN, P. D. Analysis of the species-area relation. *Ecology* 47(5):831-843. Ref. Late Summer, 1966. 410 Ec7
Plants.
- 31540 KOCHUMMEN, K. M. Natural plant succession after farming in Sg. Kroh. *Malaya Forest.* 29(3):170-181. July 1966. 99.8 M292
- 31541 KOVACS, M. The effect of geomorphological (exposition related), microclimatic and soil factors on the site development of acidophilic forests on the Matra Mountains. (Ge) *Acta Bot.* 12(3/4):293-324. Ref. 1966. 450 Ac823
- 31542 KOWAL, N. E. Shifting cultivation, fire, and pine forest in the Cordillera Central, Luzon, Philippines. *Ecol. Monogr.* 36(4):389-419. Ref. Autumn 1966. 410 Ec72
- 31543 KUYAEV, V. B. Classification of the vegetation of the southern part of Yakutia on the landscape basis. (Rus) *Bot. Zhur. [Moscow]* 51(11):1564-1579. Ref. Nov. 1966. 451 R923
English summary.
- 31544 LIPSCOMB, R. G. The winter phytoplankton, and physical and chemical characteristics of Pretty Lake, Indiana. *U. S. Geol. Surv. Prof. Pap.* 550-D:D242-D249. Ref. 1966. 407 G29Pr
- 31545 MACARTHUR, R. H., and CONNELL, J. H. The biology of populations. New York, John Wiley, 1966. 200 p. Ref. QH308.M3
Includes plant ecology and evolution.
- 31546 MANDY, GY. Ecological study of winter barley. II. (Hu) *Agrobotanika* 7(1):31-47. 1966. 64.8 Ag84
German summary.
- 31547 MARINOV, M., and others. Typological studies of beech forests in the southern massif of Rhodope. (Bu) *Gorskostopanska Nauk.* 3(4):285-296. 1966. 99.8 G683
D. Buchvarov, P. B. Petkov, and S. Angelov, joint authors.
French summary.
- 31548 MCNAUGHTON, S. J. Ecotype function in the Typha community-type. *Ecol. Monogr.* 36(4):297-325, map. Ref. Autumn 1966. 410 Ec72
Typha latifolia, T. angustifolia and T. domingensis.
- 31549 NEUHAUSL, R., and NEUHAUSLOVA-NOVOTNA, Z. Vertical distribution of the sociologically and stationary important plant indicators in the Hruby Jeseník and Kralický Šnezník Mountains. (Cz) *Cas. Slezeskeho Muz., Ser. A, Sci. Natur.* 15(1):29-43, map. Ref. 1966. 510 T75
German summary.
- 31550 NORIN, B. N. On the zonal types of vegetational cover in the Arctic and subarctic zones. (Rus) *Bot. Zhur. [Moscow]* 51(11):1547-1563. Ref. Nov. 1966. 451 R923
English summary.
- 31551 PARLSSON, L. Vegetation and microclimate along a belt transect from the esker Knivnas. *Bot. Not.* 119(3):401-418. Ref. 1966. 450 B656
- 31552 PIUSST, P. Some characteristics of a second-growth northern hardwood stand. *Ecology* 47(5):860-864. Ref. Late Summer, 1966. 410 Ec7
In Adirondack Mountains.
- 31553 POLUYAKHTOV, K. K., and KUPRIYANOV, N. V. Natural regeneration of Larix sukaczewii in the Gorki area of Transvolga region. (Rus) *Les. Zh.* 2:24-27. Ref. 1965. 99.8 Iz8
- 31554 SABUROV, D. N. Vegetation as an indicator of lithological composition of moraine deposits under the conditions of northern taiga zone. (Rus) *Bot. Zhur. [Moscow]* 51(11):1637-1644. Nov. 1966. 451 R923
- 31555 SAMOILOV, YU. I. Some data on the variation, from year to year, of the meadows in the floodplain of the River Msta. (Rus) *Bot. Zhur.* 51(7):972-982. Ref. July 1966. 451 R923
Plant associations.
- 31556 SCOTT, G. A. M., and ARMSTRONG, J. M. The altitudinal sequence of climax vegetation on Mt Anglem, Stewart Island. 2. Ground and epiphytic vegetation. *New Zeal. J. Bot.* 4(3):283-299. Ref. Sept. 1966. 450 N48
- 31557 SHEL'YAG-SOSONKO, YU. R. Determination of the zone and province to which the Desna area spurs of the Middle Russian Elevation belong. (Ukr) *Ukr. Bot. Zh.* 23(4):37-43. Ref. 1966. 450 382J2
English summary.
Based on plant ecology.
- 31558 STRANG, R. M. The spread and establishment of *Brachystegia spicaeformis* Benth. and *Julbernardia globiflora* (Benth.) Troupin in the Rhodesian highveld. *Commonwealth Forest. Rev.* 45(3):253-256. Sept. 1966. 99.8 Em72
Southern Rhodesia.
- 31559 TEMPLETON, W. C., and TAYLOR, T. H. Some effects of nitrogen, phosphorus, and potassium fertilization on botanical composition of a tall fescue-white clover sward. *Agron. J.* 58(6):569-572. Ref. Nov. Dec. 1966. 4 Am34P
- 31560 WELLS, J. A., and MARK, A. F. The altitudinal sequence of climax vegetation on Mt Anglem, Stewart Island. 1. The principal strata. *New Zeal. J. Bot.* 4(3):267-282. Ref. Sept. 1966. 450 N48
- 31561 WHITE, K. L. Old-field succession on Hastings Reservation, California. *Ecology* 47(5):865-868. Late Summer, 1966. 410 Ec7
- 31562 WICKLOW, D. T. Further observations on serpentine response in *Emmenanthe*. *Ecology* 47(5):864-865. Late Summer, 1966. 410 Ec7
Effect of chaparral fire on *Emmenanthe penduliflora* and *E. rosea*; chiefly ecology.

GENETICS

- 31563 AALDERS, L. E. A recurrent selection program for perennial crop species designed to minimize inbreeding. *Can. J. Genet. Cytol.* 8(2):293-295. June 1966. 443.8 C16
- 31564 AYERS, J. E., and TOMES, M. L. The effect of two uniform ripening genes on chlorophyll and carotenoid contents of tomato fruit. *Amer. Soc. Hort. Sci. Proc.* 88:550-556. Ref. 1966. 81 So12
- 31565 BAMMI, R. K., and OIMO, H. P. Cytogenetics of *Rubus*. V. Natural hybridization between *R. procerus* P. J. Muell. and *R. laciniatus* Willd. *Evolution* 20(4):617-633, map. Ref. Dec. 1966. 443.8 Ev62
- 31566 BARBER, J. C. A report on progress in forest genetics. *Forest Farmer* 26(2):12-13, 37-38. Nov. 1966. 99.8 F7692
Southern States.
- 31567 BARKSDALE, W. Segregation of sex in the progeny of a selfed heterozygote of *Achlya bisexualis*. *Mycologia* 58(5):802-804. Sept./Oct. 1966. 450 M99
- 31568 BARRETT, H. C. Sex determination in a progeny of a self pollinated staminate clone of *Vitis*. *Amer. Soc. Hort. Sci. Proc.* 88:338-340. 1966. 81 So12
- 31569 BÖRCHERS, E. A. Characteristics of a male-sterile mutant in purple cauliflower (*Brassica oleracea* L.) *Amer. Soc. Hort. Sci. Proc.* 88:406-410. 1966. 81 So12
- 31570 BUIATTI, M., and RAGAZZINI, R. The mutagenic effect of acridine orange in tomato (*Lycopersicon esculentum*). *Mutation Res.* 3(4):360-361. Aug. 1966. 443.8 M98
- 31571 BULIN, N. D., and BULIN, V. N. Hybrids on the basis of sterility. (Rus) *Sakharn. Svekla* 12:22-23. Dec. 1966. 66.8 Su393
Sugar beets.
- 31572 BUSBICE, T. H., and WILSIE, C. P. Genetics of *Medicago sativa* L. II. Inheritance of dwarf character, DW₂. *Crop Sci.* 6(5):439-441. Sept./Oct. 1966. 64.8 C883
- 31573 CALDWELL, B. E. Inheritance of a strain-specific ineffective nodulation in soybeans. *Crop Sci.* 6(5):427-428. Ref. Sept./Oct. 1966. 64.8 C883
- 31574 CAMERON, H. R., HSU, K. S., and PERKINS, D. D. Crossing over frequency following inbreeding in *Neurospora*. *Genetica* 37(1):1-6. 1966. 442.8 G282

- 31575 CARLQUIST, S. The biota of long-distance dispersal. IV. Genetic systems in the floras of oceanic islands. *Evolution* 20(4):433-455. Ref. Dec.1966. 443.8 Ev62
- 31576 CASSELTON, L. A., and LEWIS, D. Compatibility and stability of diploids in *Coprinus lagopus*. *Genet. Res.* 8(1):61-72. Ref. Aug.1966. 443.8 G283
- 31577 CHAN, A. P. Chrysanthemum and rose mutations induced by X-rays. *Amer. Soc. Hort. Sci. Proc.* 88:613-620. 1966. 81 Sol2
- 31578 COCKERHAM, C. C., and MATZINGER, D. F. Simultaneous selfing and partial diallel test crossing. III. Optimum selection procedures. *Australian J. Biol. Sci.* 19(5):795-805. Oct. 1966. 442.8 Au72
- 31579 COE, E. H., and SARKAR, K. R. Preparation of nucleic acids and a genetic transformation attempt in maize. *Crop Sci.* 6(5):432-435. Ref. Sept./Oct.1966. 64.8 C883
- 31580 COHEN, B. B., and BISHOP, J. O. Purification of argininosuccinase from *Neurospora crassa* and comparison of some properties of the wild-type enzyme and an enzyme formed by inter-allelic complementation. *Genet. Res.* 8(2):243-252. Ref. Oct.1966. 443.8 G283
- 31581 COLLINS, O. R., and CLARK, J. Inheritance of the brown plasmodial pigment in *Didymium iridis*. *Mycologia* 58(5):743-751. Ref. Sept./Oct.1966. 450 M99
- 31582 CONSTANTIN, R. J., and others. Inheritance of baking quality in the sweet potato, *Ipomoea batatas*. *Amer. Soc. Hort. Sci. Proc.* 88:498-500. 1966. 81 Sol2
- T. P. Hernandez, J. C. Miller, and H. L. Hammett, joint authors.
- 31583 COPE, W. A. Cross-pollination in *Sericea lopespezza*. *Crop Sci.* 6(5):469-470. Sept./Oct. 1966. 64.8 C883
- 31584 CROSBY, J. I. Self-incompatibility alleles in the population of *Oenothera organensis*. *Evolution* 20(4):567-579. Ref. Dec.1966. 443.8 Ev62
- 31585 CRUMPACKER, D. W. Allelism and overdominance of chlorophyll genes in maize. *Genetics* 54(6):1307-1314. Ref. Dec.1966. 442.8 G28
- 31586 DAS, P. K., and MUKHERJEE, S. K. A note on induced tetraploidy in grape. *Cur. Sci.* 35(17):445-446. Sept.5, 1966. 475 Sc123
- 31587 DASKALOV, KH., and others. Effect of ecological relations under which the parent varieties are cultivated on the heterosis effect in F₂ and on the combining capacity of tomatoes. (Ge) *Gradnarska Lozarska Nauk.* 2(1):39-64. Ref. 1965. 87 G75
- D. Popova, M. Iordanov, A. Ognyanova, Kh. Manuelyan, and K. Tarnovska, joint authors. German summary.
- 31588 DAVIS, D. W., and FRAZIER, W. A. Inheritance of some growth habit components in certain types of bush lines of *Phaseolus vulgaris* L. *Amer. Soc. Hort. Sci. Proc.* 88:384-392. 1966. 81 Sol2
- 31589 DAVIS, R. L., and GARTNER, A. Effects of self-compatibility on reciprocal differences and combining ability in *Medicago sativa* L. *Crop Sci.* 6(5):479-481. Ref. Sept./Oct.1966. 64.8 C883
- 31590 DEAN, C. E. Effect of the yellow-green (yg) character on certain characteristics of cigar-wrapper tobacco. *Crop Sci.* 6(5):447-451. Ref. Sept./Oct.1966. 64.8 C883
- 31591 DEWEY, D. R. Synthetic hybrids of *Elymus canadensis* x octoploid *Elymus cinereus*. *Torrey Bot. Club. Bull.* 93(5):323-331. Ref. Sept./Oct.1966. 451 T63B
- 31592 DRAGAVTSEV, V. A. The method of evaluating the role of heredity and environment in the development of characters of trees (not requiring the succession of generations). (Rus) *Bot. Zhur.* 51(7):939-946. Ref. July 1966. 451 R923
- English summary.
Fruit trees.
- 31593 EVERETT, H. L. The quality base for instructional programs in agriculture exemplified by recent research in plant breeding and genetics. *Cornell Nutr. Conf. Food Manufacturers. Proc.* 1966:5-8. 389.79 C81
- 31594 FAULKNER, R., HERBERT, R. B., and FLETCHER, A. M. Forest genetics. Great Brit. Forest. Comm. Rep. Forest Res. 1965:59-60. 1966. 99.9 G795Re
- 31595 FOGG, G. G. Studies in the Cembroid pines. *Diss. Abstr.* Sect. B, 27(4):1047B. Oct.1966. Z5055. U49D53
- The role of hybridization in evolution.
- 31596 GARDNER, C. O., and EEBERHART, S. A. Analysis and interpretation of the variety cross diallel and related populations. *Biometrics* 22(3):439-452. Ref. Sept.1966. 442.8 B5224 Corn.
- 31597 GENTER, C. F., and ALEXANDER, M. W. Development and selection of productive S1 inbred lines of corn (*Zea mays* L.). *Crop Sci.* 6(5):429-431. Ref. Sept./Oct.1966. 64.8 C883
- 31598 GEORGIOPOULOS, S. G., and PANOPoulos, N. J. The relative mutability of the cln loci in *Hypomyces*. *Can. J. Genet. Cytol.* 8(2):347-349. June 1966. 443.8 C16
- Under the effect of chlorinated hydrobenzene: *Hypomyces solani cucurbitae*.
- 31599 GICHNER, T., and EHRENBURG, L. The influence of post-treatment storage on the frequency of EMS-induced chromosomal aberrations in barley. *Biol. Plant.* 6(5):256-259. 1966. 450 B52
- Mutation by ethyl methanesulfonate.
- 31600 GICHNER, T. Relation of some M1 characters to the frequency of M2 mutants in *Arabidopsis thaliana*. *Biol. Plant.* 6(3):209-212. 1966. 450 B52
- Includes root length and chlorophyll abnormalities.
- 31601 GODLEY, E. J. Breeding systems in New Zealand plants. 4. Self-sterility in *Pentachondra pumila*. *New Zeal. J. Bot.* 4(3):249-254. Sept.1966. 450 N48
- 31602 GOPINATH, D. M., RAO, K. A., and SUBHASHINI, L. Cytogenetics of *Nicotiana glauca* Nicotiana glauca back-crosses involving the standard and mutant species of *N. glauca*. *Cytologia* 31(1):1-11. Mar.1966. 442.8 C99
- 31603 GOPINATH, D. M., and KRISHNAMURTHY, K. V. "Leaf tip hooding"-an induced mutation in *N. tabacum*, var. *Delcrest*. *Genetica* 37(1):93-96. 1966. 442.8 G282
- Irradiated seed study.
- 31604 GROLL, M. Setting of fruit, pollination and the character analysis of polyloid *Dactylorhiza* (*Orchis*) *maculata* and *Gymnadenia conopsea*. (Ge) *Osterr. Bot. Z.* 112(5):657-766. Ref. 1965. 450 O67
- 31605 GUTIERREZ, M., VRDOLJAK, J., and SARTORE DE JONES, E. Heterosis y aptitud combinatoria en el algodón "upland" [Heterosis and combining aptitude in "upland" cotton]. *Pres. Roque Saenz Pena. Estac. Exp. Agropecuar. Bol.* 42,42 p. Ref. Sept.1966. 102.5 P922
- English summary.
- 31606 HAMMETT, H. L., HERNANDEZ, T. P., and MILLER, J. C. Inheritance of fiber content in the sweet potato (*Ipomoea batatas* (L.) Lam.) *Amer. Soc. Hort. Sci. Proc.* 88:486-490. Ref. 1966. 81 Sol2
- 31607 HANOVER, J. W. Inheritance of 3-carene concentration in *Pinus monticola*. *Forest Sci.* 12(4):447-450. Dec.1966. 99.8 F7632
- 31608 HANSCHKE, P. E., and BERES, V. An analysis of environmental variability in sweet cherry. *Amer. Soc. Hort. Sci. Proc.* 88:167-172. 1966. 81 Sol2
- Genetic study.
- 31609 HANSCHKE, P. E., BERES, V., and BROOKS, R. M. Heritability and genetic correlation in the sweet cherry. *Amer. Soc. Hort. Sci. Proc.* 88:173-183. Ref. 1966. 81 Sol2
- 31610 HERTZSCH, W., and NITZSCHE, W. Chromosome reduction in the offspring of autopolyploid tall fescue (*Festuca arundinacea* Schreb.) (Ge) *Zuchter* 36(5):240-242. 1966. 442.8 Z8
- English summary.

- 31611 HESLOT, H., FERRARY, R., and TEMPE, J. The relative mutagenic effects of some niroamines on barley seeds. *Mutation Res.* 3(4): 354-355. Aug. 1966. 443.8 M98
Nitrosomethylurethan and nitrosoethylurethan.
- 31612 JENKINS, J. A. The origin of cultivated wheat. *Can. J. Genet. Cytol.* 8(2):220-232, map. Ref. June 1966. 443.8 C16
- 31613 KESTER, D. E., and BRINK, R. A. Variation in paramutability of R^+ in maize following extraction of the allele from a linked reciprocal translocation. *Genetics* 54(6):1401-1407. Dec. 1966. 442.8 G28
- 31614 KNOWLES, R. P., and FEDAK, G. Genetics and agronomic significance of spike color in "Fairway" crested wheatgrass, *Agropyron cristatum* (L.) Gaertn. *Crop Sci.* 6(5):441-443. Sept./Oct. 1966. 64.8 C883
- 31615 LEE, J. A. Genetics of the smooth stem character in *Gossypium hirsutum* L. *Crop Sci.* 6(5):497-498. Sept./Oct. 1966. 64.8 C883
- 31616 LEGG, P. D., and LIPPERT, L. F. Genetic variation in open-pollinated varieties of broccoli (*Brassica oleracea* var. *italica*). *Amer. Soc. Hort. Sci. Proc.* 88:411-416. 1966. 81 S012
- 31617 LEVINGS, C. S., and ALEXANDER, D. E. Double reduction in autotetraploid maize. *Genetics* 54(6):1297-1305. Ref. Dec. 1966. 442.8 G28
- 31618 LNNERT, G. Variable mutation spectra of different pure lines of Sippe-50 of *Antirrhinum majus* L. after equal treatment with X-rays. (Ge) *Z. Vererbungslehre* 98(1):25-40. Ref. 1966. 442.8 Z34
English summary.
- 31619 LUNDQVIST, A. Self-incompatibility in *Dactylis aschersoniana* Graebn. *Hereditas* 54(1):70-87. Ref. 1965. 442.8 H42
- 31620 MARSALEK, L. Study of the genetics of heterosis in corn in connection with physiologically active substances. (Cz) *Brno. Vysoka Sk.* Zemedel. Sb. Rada A. Spisy Fak. Agron. 2:213-221. 1966. 105.92 B833
English summary.
- 31621 MATZINGER, D. F., MANN, T. J., and COCKERHAM, C. C. Genetic variability in flower-cured varieties of *Nicotiana tabacum* L. Dixie Bright 244 \times Coker 139. *Crop Sci.* 6(5):476-478. Sept./Oct. 1966. 64.8 C883
- 31622 MAYNARD, D. N., BARKER, A. V., and LACHMAN, W. H. Variation among tomato lines with respect to ammonium tolerance. *HortScience* 1(1):17-18. Winter 1966. SBI.H6
- 31623 MCCRAKEN, M. D., PROCTOR, V. W., and HOTCHKISS, A. T. Attempted hybridization between monoeocious and dioecious clones of *Chara*. *Amer. J. Bot.* 53(9):937-940. Ref. Oct. 1966. 450 Am36
- 31624 MENDEL, G. Experiments in plant hybridisation—Mendel's original paper in English translation with commentary and assessment by the late Sir Ronald A. Fisher; edited by J. H. Bennett. 95 p. Ref. QH423.M4
Pea hybrids.
Biographical notice of Mendel, by W. Bateson, p. 88-95.
Translation of *Versuche über Pflanzenhybriden*.
- 31625 MUGNOZZA, G. T. S., and MONTI, L. M. Effects of recurrent mutagenic treatment in durum wheat. *Mutation Res.* 3(4):298-304. Ref. Aug. 1966. 443.8 M98
Effects of X-rays and ethylenimine.
- 31626 MULLER, A. J. Induction of recessive lethal mutations by ethyl methanesulfonate in *Arabidopsis thaliana*. I. Dose-effect relationships and the influence of treatment conditions. (Ge) *Züchter* 36(5):201-220. Ref. 1966. 442.8 Z8
English summary.
- 31627 MURTY, B. R., MATHUR, J. B. L., and ARUNACHALAM, V. Self incompatibility and genetic divergence in *Brassica campestris* var. Brown Sarson. *Sankhya, Ser. B*, 27(3/4): 271-278. Ref. Dec. 1965. 251.8 In2B
- 31628 NIKOLAEV, A. G. Species crossing in plant breeding with special emphasis on the chemical composition of plant. (Rus) *Herba Hung.* 5(1): 75-88. Ref. 1966. 71.8 H413
Germany summary.
- 31629 NISHIYAMA, I., and MOTOTOYOSHI, F. Cyto-genetic studies in *Avena*. XVI. Chlorophyll formation in albino sand oats under certain culture conditions. *Jap. J. Genet.* 41(5):403-411. Ref. Oct. 1966. 442.9 J27
- 31630 NISHIYAMA, I., and INOMATA, N. Embryological studies on cross-incompatibility between 2x and 4x in *Brassica*. *Jap. J. Genet.* 41(1):27-42. Ref. Feb. 1966. 442.9 J27
Test with Chinese cabbage.
- 31631 OSHIMA, Y., and OSHIMA, I. A super-suppressor on the thirteenth linkage group in *Saccharomyces*. *Genet. Res.* 8(1):1-7. Ref. Aug. 1966. 443.8 G283
- 31632 PFAHLER, P. L. Heterosis and homeostasis in rye (*Secale cereale* L.). I. Individual plant production of varieties and intervarietal crosses. *Crop Sci.* 6(5):397-401. Ref. Sept./Oct. 1966. 64.8 C883
- 31633 PFAHLER, P. L. Heterosis and homeostasis in rye (*Secale cereale* L.). II. Production of varieties, intervarietal crosses and composite populations under various population densities. *Crop Sci.* 6(5):401-405. Sept./Oct. 1966. 64.8 C883
- 31634 POVLITATIS, B. Diallel cross analysis of quantitative characters in tobacco. *Can. J. Genet. Cytol.* 8(2):336-346. Ref. June 1966. 443.8 C16
- 31635 RILEY, R., and MILLER, T. E. The differential sensitivity of desynaptic and normal genotypes of barley to X-rays. *Mutation Res.* 3(4): 355-359. Ref. Aug. 1966. 443.8 M98
- 31636 ROBBELEN, G. Observations on *Brassica* interspecific hybridization, especially on formation of matromorphous F₁ plant. (Ge) *Angew. Bot.* 39(6):205-221. Ref. Feb. 1966. 450 An4
English summary.
- 31637 SERRES, F. J. DE. The utilization of leaky AD₁ mutants of *Neurospora crassa* in heterokaryon tests for allelic complementation. *Mutation Res.* 3(1):3-12. Ref. Feb. 1966. 443.8 M98
- 31638 SIMMONDS, N. W. Studies of the tetraploid potatoes. III. Progress in the experimental re-creation of the *Tuberosum* group. *Linn. Soc. London, J. Bot.* 59(379):279-288. Feb. 1966. 451 L64J
- 31639 SPASOJEVIC, V. A contribution to the study of cytoplasmic male sterility of corn. (Se) *Arh. Poljoprivredne Nauk.* 19(66):31-43. Ref. 1966. 21.5 Y9
English summary.
- 31640 STEIN, J. R. Effect of temperature on sexual populations of *Gonium pectorale* (Volvocales). *Amer. J. Bot.* 53(9):941-944. Oct. 1966. 450 Am36
- 31641 STUBER, C. W., MOLL, R. H., and HANSON, W. D. Genetic variances and interrelationships of six traits in a hybrid population of *Zea mays* L. *Crop Sci.* 6(5):455-458. Ref. Sept./Oct. 1966. 64.8 C883
- 31642 TABATA, M., and NISHIYAMA, I. Cytogenetic studies in *Avena*. XV. Chromosome pairing in tetraeid hybrids. *Can. J. Genet. Cytol.* 8(2): 300-305. Ref. June 1966. 443.8 C16
- 31643 TALIAFERRO, C. M., and BASHAW, E. C. Inheritance and control of obligate apomixis in breeding buffelgrass, *Pennisetum ciliare*. *Crop Sci.* 6(5):473-476. Sept./Oct. 1966. 64.8 C883
- 31644 TETENYI, P. Radiation breeding of *Solanum laciniatum* Ait. (Hu) *Herba Hung.* 5(1):7-15. Ref. 1966. 71.8 H413
German summary.
- 31645 THAKUR, V., and THAKUR, G. K. An analysis of some partially sterile individuals in a population of *Ageratum conyzoides* Linn. and *A.oustonianum* Mill. *Curr. Sci.* 35(19):496-497. Oct. 5, 1966. 475 Sc123

- 31646 TOWNSEND, C. E. Self-compatibility response to temperature and the inheritance of the response in tetraploid Alsike clover, *Trifolium hybridum* L. *Crop Sci.* 6(5):409-414. Ref. Sept./Oct. 1966. 64.8 C883
- 31647 TOWNSEND, C. E. Self-compatibility studies with diploid Alsike clover, *Trifolium hybridum* L. II. Inheritance of a self-compatibility factor with gametophytic and sporophytic characteristics. *Crop Sci.* 6(5):415-419. Sept./Oct. 1966. 64.8 C883
- 31648 REVITHICK, J. R., and METZENBERG, R. L. Genetic alteration of pore size and other properties of the Neurospora cell wall. *J. Bacteriol.* 92(4):1016-1020. Oct. 1966. 448.3 J82
- 31649 VERUGHESE, G., and SWAMINATHAN, M. S. Changes in protein quantity and quality associated with a mutation for amber grain colour in wheat. *Cur. Sci.* 35(18):469-470. Sept. 20, 1966. 475 Sci23
- 31650 VOZDA, J. Linkage of the Rf1 gene in the T cytoplasm of maize with genes of the 3rd chromosome. *Biol. Plant* 8(6):411-419. Ref. 1966. 450 B52
- 31651 WERCKMEISTER, P., HAYASHI, K., and YASAKI, Y. On the constitution and inheritance of a new delphinidine glycoside "Floridorin" from the cultivated Iris variety cv. "Floridor" (Cayeux 1929). (Ge) *Zuchter* 36(5):233-235. Ref. 1966. 442.8 Z8
English summary.
- 31652 WHITTIER, D. P. Induced apogamy in diploid gametophytes of *Pteridium*. *Can. J. Bot.* 44(12):1717-1721. Ref. Dec. 1966. 470 C16C
- 31653 WRIGHT, C. E. Field plans for a systematically designed polycross. Northern Ireland. *Rec. Agr. Res.* 14(1):31-41. 1965. 10 N81R
Plant breeding research.
- 31654 YOUNG, E. F., and MURRAY, J. C. Heterosis and inbreeding depression in diploid and tetraploid cottons. *Crop Sci.* 6(5):436-438. Ref. Sept./Oct. 1966. 64.8 C883
- 31655 ZIMMERMAN, L. H., and SMITH, J. D. Production of F1 seed in castorbeans by use of sex genes sensitive to environment. *Crop Sci.* 6(5):406-409. Sept./Oct. 1966. 64.8 C883
- 31656 ZIMMERMANN, W. Introgressive hybridization as an important stage of plant phylogeny. (Ge) *Forsch. Fortschr.* 40(2):33-37, map. Feb. 1966. 474 F772
Pulsatilla used in experiment.
- PHYSIOLOGY AND BIOCHEMISTRY
- 31657 AHMADJIAN, V. Lichens. In Henry, S. M., ed. *Symbiosis*, v.1, p.35-97. 1966. QH548.H4
Bibliography, p.87-97.
- 31658 AKADEMIYA NAUK SSSR. INSTITUT GENETIKI. Deistvie ioniziruyushchikh izlucheni na rastitel'ny i zhivotny organismy [Effect of ionizing irradiation on plant and animal organisms]. Moskva, Nauka, 1965. 267 p. Ref. (Its Trudy No. 32) 442.3 P44
- 31659 ALBONICO, S. M., KUCK, A. M., and DEULOFEU, V. Isolation and oxidation of (r)-fembarine from *Fagara naranjillo*. (Ge) *Justus Liebigs Ann. Chem.* 685:200-206. 1965. 384 A7
From the bark.
- 31660 ALEKSEEV, A. M., and ABDURAKHMANOV, A. A. Effect of ions of nutrient mineral salts on the state of plant cell protoplasm. (Rus) *Fiziol. Rast.* 13(3):462-468. May/June 1966. 450 F58
English summary.
- 31661 ALVES, H. M., and others. Chemistry of Brazilian plants. VIII. Beta-amyrin components of *Macraerium incoarptuillius*. (Por) *Acad. Brasil. Cienc. An.* 37(1):49-50. Mar. 31, 1965. 516 R473A
V. H. Arndt, W. D. Ollis, W. B. Eytan, O. R. Gottlieb, and M. T. Magalhaes, joint authors.
English summary.
- 31662 ANDERSON, R. R., BROWN, R. G., and RAPPLEYE, R. D. The mineral content of *Myriophyllum spicatum* L. in relation to its aquatic environment. *Ecology* 47(5):844-846. Ref. Late Summer, 1966. 410 Ec7
- 31663 BABICKA, J. The beginnings of the study of minor elements in Czechoslovakia. (Ge) *Za Sotsialist. Sel'skokhoz. Nauk.* 15(3):269-277. Ref. 1966. 64.8 Z1
English summary.
Plant nutrition.
- 31664 BACHI, M. D., EPSTEIN, J. W., and LOEWENTHAL, H. J. E. Reductive methylation of methoxynaphthoic acids and elaboration to the ring A system of the gibberellins. *Tetrahedron, Lett.* 43:5333-5335. Nov. 1966. 385 T29
- 31665 BACON, M. F. Artifacts from chromatography of chlorophylls. *Biochem. J.* 101(2):34C-36C. Nov. 1966. 382 B52
- 31666 BATTERSBY, A. R., and others. Further evidence concerning the biosynthesis of indole alkaloids and quinine. *Chem. Commun.* 23:888-890. Ref. Dec. 7, 1966. 382 C4223
R. T. Brown, R. S. Kapil, J. A. Knight, J. A. Martin, and A. O. Plunkett, joint authors.
Experiments with *Vinca rosea* and *Cinchona ledgeriana* plants.
- 31667 BATTERSBY, A. R., and others. New alkaloids from *Alangium lamarkii* Thw. *Tetrahedron Lett.* 41:4965-4971. Ref. Oct. 1966. 385 T29
R. S. Kapil, D. S. Bhakuni, S. P. Popli, J. R. Merchant, and S. S. Salgar, joint authors.
- 31668 BATTERSBY, A. R., and others. Role of loganin in the biosynthesis of indole alkaloids. *Chem. Commun.* 23:890-891. Dec. 7, 1966. 382 C4223
R. T. Brown, R. S. Kapil, J. A. Martin, and A. O. Plunkett, joint authors.
Tests with *Vinca rosea*.
- 31669 BEHM, R. Determination of magnesium and manganese in plant ashes with the flame appendage of the universal spectrophotometer VSU 1 (VEB Carl Zeiss Jena). (Ge) *Arch. Forstwesen* 15(8):869-877. 1966. 99.8 Ar22
- 31670 BEMILLER, J. N. Fluorescent Maillard reaction artifacts in plant extracts. *Ill. State Acad. Sci. Trans.* 59(4):394-395. 1966. 500 IL6
- 31671 BEMILLER, J. N., and PAPPELIS, A. J. Production of indoleacetic acid by *Cephalophora tropicalis*. *Ill. State Acad. Sci. Trans.* 59(4):388-389. Ref. 1966. 500 IL6
- 31672 BOCK, E., and ENGEL, H. Studies of the post-oxidative fixation of carbon dioxide in *Nitrobacter winogradskyi* Buch. (Ge) *Arch. Mikrobiol.* 54(2):191-198. Ref. 1966. 442.8 Ar26
- 31673 BOHLMANN, F., and REINECKE, K. Polyacetylene compounds, CXV. Synthesis of the thioether butenolides from *Anthemis rigescens* Willd. (Ge) *Chem. Ber.* 99(11):3437-3440. Nov. 1966. 384 B45
- 31674 BOHLMANN, F., RODE, K. M., and ZDERO, C. Polyacetylene compounds, CXVII. New polyenes of the genus *Centaurea* L. (Ge) *Chem. Ber.* 99(11):3544-3551. Nov. 1966. 384 B45
- 31675 BOHLMANN, F., NIEDEBALLA, U., and RODE, K. M. Polyacetylene compounds, CXVIII. New polyenes with C₁₇ chain. (Ge) *Chem. Ber.* 99(11):3552-3558. Nov. 1966. 384 B45
From *Falcaria vulgaris*.
- 31676 BRANDT, R., KAUFMANN, H., and REICHSTEIN, T. Glycosides and aglycons, 283. The cardenolides of *Antiaris toxicaria* Lesch. (Ge) *Helv. Chim. Acta* 49(8):2469-2481. Ref. 1966. 385 H36
- 31677 BROADBENT, D. Antibiotics produced by fungi. *Bot. Rev.* 32(3):219-242. July/Sept. 1966. 450 B6527
Review of the literature.
- 31678 BROWN, O. R., and CLARK, J. B. Pigment of *Nocardia corallina*. *J. Bacteriol.* 92(6):1844-1845. Dec. 1966. 448.3 J82
- 31679 BURK, C. J. Rainfall periodicity as a major factor in the formation of flowering races of camphorweed (*Heterotheca subaxillaris*). *Amer. J. Bot.* 53(9):933-936. Ref. Oct. 1966. 450 An36
- 31680 CAMPBELL, I. M., CALZADILLA, C. H., and MCCORKINDALE, N. J. Some new metabolites related to mycophenolic acid. *Tetrahedron Lett.* 42:5107-5111. Oct. 1966. 385 T29
In the *Penicillium brevicompactum* group.

- 31681 CASTLE, E. S. Light responses of *Phycomyces*. *Science* 154(3755):1416-1420. Ref. Dec.16,1965. 470 Sci2
- 31682 CHACKO, C. I. The effect of isopropyl N-(3-chlorophenyl) carbamate on filamentous fungi and *Saccharomyces cerevisiae*. *Can. J. Microbiol.* 12(6):1292-1294. Dec.1966. 448.8 C162
- 31683 CLARKE, J. H. Studies on fungi in the root region. V. The antibiotic effects of root extracts of *Allium* on some root surface fungi. *Plant Soil* 25(1):32-40. Ref. Aug.1966. 450 P696 *Allium cepa* and *A. sativum*.
- 31684 CLINE, M. G. Effects of temperature and light intensity on the growth of *Scrophularia marilandica*. *Ecology* 47(5):782-795. Ref. Late Summer, 1966. 410 Ec7
- 31685 COSSINS, E. A., and SINHA, S. K. The inter-conversion of glycine and serine by plant tissue extracts. *Biochem. J.* 101(2):542-549. Ref. Nov.1966. 382 B52
- 31686 CROSS, B. E., and NORTON, K. The role of gibberellins A₁₃ and A₁₄ in the biosynthesis of gibberellic acid. *Tetrahedron Lett.* 48:6003-6007. Dec.1966. 385 T29
In *Gibberella fujikuroi*.
- 31687 CUMMINS, J. E., WEISFELD, G. E., and RUSCH, H. P. Fluctuation of ³²P distribution in rapidly labeled RNA during the cell cycle of *Physarum polycephalum*. *Biochim. Biophys. Acta* 129(2):204-248. Ref. Nov.22.1966. 381 B522
- 31688 CZYGAN, F. C. Effect of chloramphenicol on mutants of *Chlorella pyrenoidosa*. *Nature* 212(5065):960. Nov.26,1966. 472 N21
- 31689 DAFT, M. J., and NICOLSON, T. H. Effect of Endogone mycorrhiza on plant growth. *New Phytol.* 65(3):343-350. Ref. July 1966. 450 N42
Chiefly effects on nutrient uptake of tobacco, corn, and tomatoes from low fertility soils.
- 31690 DEVLIN, R. M. Plant physiology. New York, Reinhold, 1966. 564 p. Ref. (Reinhold Books in the Biological Sciences) QK711.D4
- 31691 DIAZ-CELAYETA, F. On the growth of *Sphecacia segetum* Lev. in nutrient solutions. (Sp) *Pharmacognosia* 25(1/2):57-68. Ref. Jan./June 1965. 396.8 F222
- 31692 DIEHN, B., and TOLLIN, G. Phototaxis in *Euglena*. III. Lag phenomena and the overall mechanism of the tactic response to light. *Photochem. Photobiol.* 5(11/12):839-844. Nov./Dec.1966. 382 P56
- 31693 DODD, W. A., PITMAN, M. G., and WEST, K. R. Sodium and potassium transport in the marine alga *Chaetomorpha darwini*. *Australian J. Biol. Sci.* 19(3):341-354. June 1966. 442.8 Au72
- 31694 DONKERSLOOT, J. A. Utilization of mixtures of carbon compounds by yeasts. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):419-428. Ref. 1966. 448.8 N28A
- 31695 DORN, G., and RIVERA, W. Kinetics of fungal growth and phosphatase formation in *Aspergillus nidulans*. *J. Bacteriol.* 92(6):1618-1622. Ref. Dec.1966. 448.3 J82
- 31696 DUBOVENKO, E. K. Phosphatase activity of the roots of some plants and the effect of soil microorganisms on their activity. (Rus) *Fiziol. Rast.* 13(3):520-521. May/June 1966. 450 F58
- 31697 DVORAK, M., DVORAKOVA-HLADKA, J., and FIALOVA, S. Sorption of some ions by algae related to their trophic conditions. *Biol. Plant.* 8(5):362-380. Ref. 1966. 450 B52
Scenedesmus obliquus, *Chlorella pyrenoidosa* and *Coccomyxa solitariae* saccatae.
- 31698 DVORAKOVA-HLADKA, J. Utilization of organic substrates during mixotrophic and heterotrophic cultivation of algae. *Biol. Plant.* 8(5):354-361. Ref. 1966. 450 B52
Chlorella pyrenoidosa and *Scenedesmus obliquus*; includes organic acids and sugars.
- 31699 FARKAS, L., VERMES, B., and NOGRADI, M. Synthesis of pendulin, the flavon glucoside of *Erickelia pendula*. (Hu) *Magyar Kem. Folyoirat* 72(11):482-484. Nov.1966. 385 M272
German summary.
- 31700 FELSBERG, A. L., and ROZENZWEIG, P. E. On the glycosides of *Ononis arvensis* L. (Rus) *Rastitel. Resursy* 1(2):224-227. Ref. 1965. 450 R18
- 31701 FERRIS, J. P., BOYCE, C. B., and BRINER, R. C. The biogenesis of the Lythraceae alkaloids. *Tetrahedron Lett.* 42:5129-5131. Oct. 1966. 385 T29
- 31702 FINNEGAN, R. A., PATEL, J. K., and BACHMAN, P. L. Constituents of *Mammia americana* L. V. Some simple mono- and dihydroxy-xanthones. *Tetrahedron Lett.* 49:6087-6092. Ref. Dec.1966. 385 T29
- 31703 FRANCK, B., BLASCHKE, G., and LEWE-JOHANN, K. Biogenesis-similar alkaloid synthesis through oxidative condensation. VI. Synthesis of isopiloceraine and piloceraine. (Ge) *Justus Liebig's Ann. Chem.* 685:207-217. Ref. 1965. 384 An7
From *Lophocereus schotti* and related cactus species.
- 31704 FUCHS, M., and TANNER, C. B. Infrared thermometry of vegetation. *Agron. J.* 58(6):597-601. Ref. Nov./Dec.1966. 4 Am34P
- 31705 FUJIMORI, E., and TAVLA, M. Light-induced electron transfer between chlorophyll and hydroquinone and the effect of oxygen and beta-carotene. *Photochem. Photobiol.* 5(11/12):877-887. Ref. Nov./Dec.1966. 382 P56
- 31706 GAGARIN, P. K. Seasonal dynamics of the mineral composition of leaves and stems of wormwoods (*Artemisia* spp.) in the arid steppes of the central Kazakhstan and its dependence on the environmental conditions. (Rus) *Bot. Zhur.* 51(7):962-972. Ref. July 1966. 451 R923
- 31707 GANDHI, R. N., RAJAGOPALAN, T. R., and SESHADRI, T. R. Chemical examination of *Crotalaria medicaginea*. *Curr. Sci.* 35(18):460-461. Sept.20,1966. 475 Sci23
- 31708 GARCIA-ACHA, I., LEAL, J. A., and VILLANUEVA, J. R. Effect of sodium propionate on sporulation of *Fusarium culmorum*. *Can. J. Microbiol.* 12(6):1290. Dec.1966. 448.8 C162
- 31709 GATES, J., and others. Some physiological studies on two strains of the green alga *Coelastrum microporum* Naeg. III. *State Acad. Sci. Trans.* 59(4):399-400. 1966. 500 IL6
J. Anderson, D. L. Lynch, and M. G. Fenwick, joint authors.
- 31710 GRAEBE, J. E., and NOVELLI, G. A. A practical method for large-scale plant tissue culture. *Exp. Cell Res.* 41(3):509-520. Mar. 1966. 442.8 Ex7
- 31711 GRIGOR'eva, N. YA., and KUCHEROV, V. F. Gibberellins. (Rus) *Uspekhi Khim* 35(11):2044-2071. Ref. Nov.1966. 385 Us6
Chemistry.
- 31712 GROGER, D. Results and problems of alkaloid biogenesis. (Ge) *Herba Hung.* 5(2/3):23-29. 1966. 71.8 H413
Of plants.
- 31713 HALBSGUTH, W., and HALLIER, U. The induction of dorsiventrality in brood bodies of germinating *Marchantia polymorpha*—a process of cell physiology, dependent upon energy with the character of a monomolecular, autocatalytic reaction. (Ge) *Biol. Zentralbl.* 85(2):159-182. Ref. Mar./Apr.1966. 442.8 B523
- 31714 HALLIER, U. The effect of 2,4-dinitrophenol on respiration and the induction of dorsiventrality in germinating brood bodies of *Marchantia polymorpha* L. (Ge) *Biol. Zentralbl.* 85(1):47-86. Jan./Feb.1966. 442.8 B523
Bibliography, p.82-86.
- 31715 HEIDE, O. M., and HILDRUM, H. Interaction between light and temperature in growth and flowering of *Apelandra*. (No) *Gartnervet* 56(50):1118-1121. Dec.9,1966. 80 G1938
- 31716 HEIT, C. E. Propagation from seed. 2. Testing extremely dormant seeds. *Amer. Nurseryman* 124(10):10-11,38,40. Nov.15,1966. 80 Am371
- 31717 HENNINGER, M. D., CRANE, F. L., and MAGREE, L. Electron transport in chloroplasts. I-II. *J. Biol. Chem.* 241(22):5190-5200. Ref. Nov.25,1966. 381 J824

- 31718 HERZ, W., and others. Research on the components of Iva species. VI. Isolation and structure of axillarins, a new flavone from *Iva axillaris* Pursh. ssp. *robustior*. (Ge) Chem. Ber. 99(11):3539-3543. Ref. Nov.1966. 384 B45
- L. Farkas, V. Sudarsanam, H. Wagner, L. Horhammer, and R. Ruger, joint authors.
- 31719 HOLKER, J. S. E., and others. Some new metabolites of *Aspergillus versicolor* and a revised structure for averutin. Chem. Commun. 24:911-913. Dec.28,1966. 382 C4223
- S. A. Kagal, L. J. Mulheirn, and P. M. White, joint authors.
- 31720 HOLUB, Z., and NAVARA, J. Present state of the analytical determination of fluorine in plants. (Cz) Biologia [Bratislava] 21(11):841-847. Ref. 1966. 442.8 B5265
- 31721 HOPE, A. B., SIMPSON, A., and WALKER, N. A. The efflux of chloride from cells of *Nitella* and *Chara*. Australian J. Biol. Sci. 19(3):355-362. Ref. June 1966. 442.8 Au72
- 31722 HUMPHREY, G. F. The concentration of chlorophylls a and c in the south-east Indian Ocean. Australian J. Mar. Freshwater Res. 17(2):135-145, map. Ref. Nov.1966. 442.8 Au73
- In phytoplankton.
- 31723 HUNECK, S., and TUMMLER, R. Lichen components. XII. The structure of peltigerin. (Ge) Justus Liebig's Ann. Chem. 685:128-133. 1965. 384 An7
- 31724 INHÖFFEN, H. H., and BIERE, H. Further study of chlorophyll and hemin XI. A patch to protochlorophyll. (Ge) Tetrahedron Lett. 42:5145-5149. Ref. Oct.1966. 385 T29
- 31725 INOUE, H., UEDA, S., and NAKAMURA, Y. Structure of sweroside, a new glycoside from *Sweetia japonica* Makino. (Ge) Tetrahedron Lett. 43:5229-5234. Ref. Nov.1966. 385 T29
- 31726 JENSEN, W. A., ed. Plant biology today: advances & challenges. Ed. 2. Belmont, California, Wadsworth, 1966. 208 p. Ref. QK710.J4
- 31727 JINDRA, A., and others. Enzyme reactions in the biosynthesis of alkaloid. (Ge) Herba Hung. 5(2/3):30-39. Ref. 1966. 71.8 H413
- P. Kovacs, Z. Pittnerova, M. Psenak, M. Sovova, and H. Smogrovicova, joint authors.
- In plants.
- 31728 JOHN, V. T., and RAGETLI, H. W. J. Assay of plant tyrosinase by agar-gel double diffusion and electro-osmophoresis. Biochem. J. 101(2):21C-22C. Nov.1966. 382 B52
- 31729 KAHNT, G. Variation of the content, quantity and molar concentration of "secondary compounds" in leaves during diurnal rhythm. (Ge) Angew. Bot. 39(6):222-229. Feb.1966. 450 An4
- English summary.
- 31730 KALER, V. L., FEDYUN'KIN, D. V., and GODNEV, T. N. Formation of chlorophyll in leaves of *Tradescantia virginensis* in darkness. (Rus) Akad. Nauk SSSR. Dokl. 170(2):469-471. 1966. 511 P444A
- 31731 KANETSUNA, F., and CARBONELLI, L. M. Enzymes in glycolysis and the citric acid cycle in the yeast and mycelial forms of *Paracoccidioides brasiliensis*. J. Bacteriol. 92(5):1315-1320. Ref. Nov.1966. 448.3 J82
- 31732 KATSANOS, R. A., and PAPPELIS, A. J. Growth of *Diplodia zeae* in shaker culture. III. State Acad. Sci. Trans. 59(4):401-404. Ref. 1966. 500 L6
- 31733 KHAN, D. A. Substitution of light by indolyl-3-acetic acid in the sporulation of *Sclerotinia fructigena*. Nature 212(5062):640. Nov.5,1966. 472 N21
- 31734 KLECZKOWSKI, K., ECKERT, L., and KATING, H. Study of metabolism of urea substances in microorganisms. III-IV. (Ge) Arch. Mikrobiol. 54(2):106-114,177-183. Ref. 1966. 442.8 Ar26
- III, On the urease in *Endomycopsis vernalis* and on the proof of freedom from urease of *Torulopsis utilis*; IV, Adaptable urease formation in *Micrococcus denitrificans* Beij.
- 31735 KNAPP, R. Effect of different temperature on germination of tropical and subtropical plants. (Ge) Angew. Bot. 39(6):230-241. Feb.1966. 450 An4
- 31736 KNIGHT, R. O. The plant in relation to water. London, Heinemann, 1965. 147 p. Ref. QK871.K6
- 31737 KOMAR, G., and TURAY, P. The role of zinc as trace element in the plant and animal organism. (Ge) Vitalst.-Zivilisationskrankheiten 10(5):177-178. Oct.1965. 389.8 V836
- English summary.
- 31738 KOVTUNOVICH, L. G., and KIRBABA, V. I. The application of biological method for the identification of toxic properties of higher fungi. (Rus) Rastitel. Resursy 1(2):272-277. Ref. 1965. 450 R18
- 31739 KUBOTA, T., and HINO, H. Isolation of saikogenin F, another genuine sapogenin from *Bupleurum falcatum* L. Tetrahedron Lett. 41:5045-5048. Oct.1966. 385 T29
- 31740 KULAEV, I. S., and others. Phosphor-organic compounds in *Penicillium chrysogenum*, the phosphorus of which is found to be an orthophosphate. (Rus) Akad. Nauk SSSR. Dokl. 171:473-476. 1966. 511 P444A
- L. A. Okorokov, J. T. Fen, and G. A. Kuritsyna, joint authors.
- 31741 KUZNETZKOVA, G. A., and ABYSHEV, A. Z. Coumarins and furocoumarins obtained from the roots of *Prangos ferulacea* (L.) Lindl. (Rus) Rastitel. Resursy 1(2):221-224. Ref. 1965. 450 R18
- 31742 LANGE, R. T. Bacterial symbiosis with plants. In Henry, S. M., ed. Symbiosis, v.1, p.99-170. 1966. QH548.H4
- Bibliography, p.158-170.
- 31743 LEBEN, C., and DAFT, G. C. Migration of bacteria on seedling plants. Can. J. Microbiol. 12(6):1119-1123. Ref. Dec.1966. 448.8 C162
- In cucumber, corn and soybean.
- 31744 LIN, T. Y., and HASSID, W. Z. Pathway of algalic acid synthesis in the marine brown algae, *Fucus gardneri* Silva. J. Biol. Chem. 241(22):5284-5297. Ref. Nov.25,1966. 381 J824
- 31745 LISA, L., and PRAT, S. The effect of hydroxamates on the growth of the alga *Scenedesmus obliquus*. Biol. Plant. 8(6):476-478. 1966. 450 B52
- Albomycin.
- 31746 LITVIN, F. F., and SHUVALOV, V. A. Studies of photosynthetic pigment systems by the spectra of emission and action spectra of chemoluminescence of chlorophyll in higher plants. (Rus) Biokhimiya 31(6):1264-1275. Ref. Nov./Dec.1966. 385 B523
- English summary.
- 31747 LODER, J. W., and RUSSELL, G. B. Tropine 1,2-dithiolane-3-carboxylate, a new alkaloid from *Bruciera sexangula*. Tetrahedron Lett. 51:6327-6329. Dec.1966. 385 T29
- Named brugine.
- 31748 LORINCZ, CS. Influencing the division of organic bases—especially of alkaloids—in the liquid-liquid system. (Ge) Herba Hung. 5(2/3):211-217. 1966. 71.8 H413
- In reference to alkaloid studies of plants.
- 31749 LOWE, G. Structural relationships between some plant and animal proteases. Nature 212(5067):1263-1264. Ref. Dec.10,1966. 472 N21
- 31750 MAILMAN, D. S., and MULLINS, L. J. The electrical measurement of chloride fluxes in *Nitella*. Australian J. Biol. Sci. 19(3):385-398. June 1966. 442.8 Au72
- Ions.
- 31751 MAKSYMOWYCH, R., BLUM, M. K., and DEVLIN, R. G. Autoradiographic studies of the synthesis of nuclear DNA in various tissues during leaf development of *Xanthium pennsylvanicum*. Develop. Biol. 13(2):250-265. Apr. 1966. 442.8 D49
- 31752 MALIKOVA, R. Y., and ROSENZWEIG, P. E. On the chemical composition of *Petasites georgicus* Mauden. (Rus) Rastitel. Resursy 1(2):230-232. Ref. 1965. 450 R18
- 31753 MALKINA, I. S. Variation of the photosynthetic curves in *Carex pilosa* L. (Rus) Bot. Zhur. [Moscow] 51(10):1516-1519. Oct.1966. 451 R923

- 31754 MCLAUGHLIN, J. J. A., and ZAHL, P. A. Endozoic algae. In Henry, S. M., ed. *Symbiosis*, v.1, p.267-297. Ref., p.291-297. 1966. QH548.H4
- 31755 MEYER, F. H. Mycorrhiza and other plant symbioses. In Henry, S. M., ed. *Symbiosis*, v.1, p.171-255. 1966. QH548.H4
Bibliography, p.244-255.
- 31756 MEYER, R. R. Non-specific incorporation of H^3 -thymidine into the chloroplasts of *Spirogyra grevilleana*. *Biochem. Biophys. Res. Commun.* 25(5):549-553. Dec.7,1966. 442.8 B5236
- 31757 MIGINIAC, E., and CHOUARD, P. Experimental study of the inflorescence determination of auxiliary shoots of *Scrophularia arguta* Sol. isolated with stem fragments and its relationship with the role of roots. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(9):721-724. Aug.29,1966. 505 P21
- 31758 MIKHAILOVA, E. S., and others. Oxidative transformations of organic acids in illuminated chloroplasts. I. (Rus) *Fiziol. Rast.* 13(3):416-423. Ref. May/June 1966. 450 F58
R. M. Bekina, M. G. Shaposhnikova, I. M. Mosolova, and N. M. Sisakyan, joint authors.
English summary.
In various plants.
- 31759 MINAYEVA, V. G., VOLKHONSKAYA, T. A., and VALUTZKAYA, A. I. The comparative investigation of the flavonoid composition of some Siberian species of *Eupleurum* L. (Rus) *Rastitel. Resursy* 12(2):233-235. 1965. 450 R18
- 31760 MIZUNUMA, T. Studies on the metabolism of *Aspergilli*. VIII. *Agr. Biol. Chem.* 30(8):742-749. Ref. Aug.1966. 385 Ag8B
- 31761 MOORE, R. P. The dying seed. *Seed World* 99(7):17-18. Nov.11,1966. 61.8 Se52
- 31762 MORGAN, P. W. Plant hormones. *Grain Prod. News* 19(3):16-19. Dec.1966. 286.81 G764
- 31763 MORRIS, I. Some effects of chloramphenicol on the metabolism of *Chlorella*. I-II. *Arch. Mikrobiol.* 54(2):160-176. Ref. 1966. 442.8 Ar26
I. The effect on protein, polysaccharide and nucleic acid synthesis. II. The effect on permeability and on the internal concentration of adenosine triphosphate (ATP).
- 31764 MUNETA, P. Bisulfite inhibition of enzymatic blackening caused by tyrosine oxidation. *Amer. Potato J.* 43(11):397-402. Ref. Nov.1966. 75.8 P842
- 31765 MUNTZ, K. Determination of nucleotides and their ribosides and bases in ethanol extracts of *Chlorella pyrenoidosa*. (Ge) *Naturwissenschaften* 53(8):200-201. Apr.15,1966. 474 N213
- 31766 NAIR, P., and ZABKA, G. G. Pigmentation and sporulation in selected *Myxomycetes*. *Amer. J. Bot.* 53(9):887-892. Ref. Oct.1966. 450 Am36
- 31767 NIEDERPRUEM, D. J., and DENNEN, D. W. Kinetics, nutrition and inhibitor properties of basidiospore germination in *Schizophyllum commune*. *Arch. Mikrobiol.* 54(2):91-105. Ref. 1966. 442.8 Ar26
- 31768 NILSSON, T. Betacyanins and betaxanthins; two new groups of plant pigments. (Sw) *Horticultura* 20(10):139-146. Ref. Oct.1966. 80 H7825
- 31769 NIZNANSKA, A. Aseptic culture of plants. (Cz) *Biologia [Bratislava]* 21(11):801-804. Ref. 1966. 442.8 B5265
German summary.
Includes root excretions and bacteria.
- 31770 NYE, P. H. The effect of the nutrient intensity and buffering power of a soil, and the absorbing power, size and root hairs of a root, on nutrient absorption by diffusion. *Plant Soil* 25(1):81-105. Ref. Aug.1966. 450 P696
- 31771 OBAYASHI, A., and others. Respiration in organic acid-forming molds. I-II. *Agr. Biol. Chem.* 30(8):717-730. Ref. Aug.1966. 385 Ag8B
H. Yorifuji, T. Yamagata, T. Ijichi, and M. Kanie, joint authors.
I. Purification of cytochrome c, Coenzyme Q₃ and l-lactic dehydrogenase from lactate-forming *Rhizopus oryzae*; II. Influence of the cultural condition on the levels of cytochrome c, flavins and coenzyme Q in *Rhizopus oryzae*.
- 31772 ORENSKI, S. W. Intermicrobial symbiosis. In Henry, S. M., ed. *Symbiosis*, v.1, p.1-33. Ref. 1966. QH548.H4
Includes algae and fungi.
- 31773 PAKHOMOVA, M. V., DARKANBAEVA, G. T., and ZAITSEVA, G. N. Effect of light on content of acid-soluble phosphate-containing compounds in green algae *Scenedesmus obliquus* Kutz. (Rus) *Biokhimiya* 31(6):1237-1246. Ref. Nov./Dec.1966. 385 B523
English summary.
- 31774 PETERBURGSKY, A. V., and SMIRNOV, P. M. Ammonium fixation by some soils in the USSR and the availability of this ion to plants. *Plant Soil* 25(1):119-128. Aug.1966. 450 P696
- 31775 PIGULEVSKII, G. V., NAZARENKO, M. V., and RAMZAYEV, F. S. On the coumarin obtained from the roots of *Laser trilobum* (L.) Borkh. (Rus) *Rastitel. Resursy* 12(2):219-221. 1965. 450 R18
- 31776 POGO, B. G. T., RUIZ UBERO, I., and POGO, A. G. Nucleic acid and protein content of *Eugenia gracilis* in different growth media. *Exp. Cell Res.* 42(1):58-66. Ref. Apr.1966. 442.8 Ex7
- 31777 POPELAK, A., HAACK, E., and SPINGLER, H. Isolation of isotubulin from *Alangium lamarkii* Thw. (Ge) *Tetrahedron Lett.* 41:5077-5080. Oct.1966. 385 T29
- 31778 POZUELO, J. M., and FELIPE, M. R. DE. Rapid technique of germination and growth of plants in the laboratory. (Sp) *Farmacognosia* 25(1/2):51-56. Jan./June 1965. 396.8 F222
English summary.
- 31779 PRIESTLEY, C. H. B. The limitation of temperature by evaporation in hot climates. *Agr. Meteorol.* 3(3/4):241-246. May 1966. 340.8 Ag8
Includes the role of plant temperature and transpiration.
- 31780 RAKITIN, U. V. Results and future progress of study of effects and application of physiologically active compounds. (Rus) *Agrokhiimiya* 8:140-159. Aug.1965. 385 Ag89
Growth substances and economic poisons.
- 31781 RASHEED, M. A., and SEELEY, R. C. Relationship between the protein and copper contents of some plants. *Nature* 212(5062):644-645. Ref. Nov.5,1966. 472 N21
- 31782 RAO, L. R., RAO, C. S., and RAMAIAH, T. S. The chemical examination of *Diospyros* species. *Curr. Sci.* 35(18):457-458. Sept.20,1966. 475 Sci23
Triterpenes in *Diospyros melanoxylon* and in *D. sylvatica*.
- 31783 RIVIERE, J., and CHAUSSET, R. Destruction of coumarin in the rhizosphere. (Fr) *Inst. Pasteur. Ann.* 111(3,sup.):155-167. Ref. Sept. 1966. 448.3 An75
English summary.
By *Anthoxanthum odoratum*.
- 31784 ROFFEY, P., and SARGENT, M. V. A revised structure for averufin. *Chem. Commun.* 24:913-914. Dec.28,1966. 382 C4223
Metabolite of *Aspergillus versicolor*.
- 31785 ROSS, YU. K. A mathematical description of the plant growth. (Rus) *Akad. Nauk SSSR. Dokl.* 171:481-483. 1966. 511 P444A
- 31786 ROSSINI, L. M. E., and NITSCH, J. P. In vitro induction of flowering in a short-day plant, *Streptocarpus nobilis*. (Fr) *Acad. Sci. Compt. Redn. Ser. D*, 263(19):1379-1382. Nov.7,1966. 505 P21
- 31787 ROVIRA, A. D., and BOWEN, G. D. The effects of micro-organisms upon plant growth. II. Detoxication of heat-sterilized soils by fungi and bacteria. *Plant Soil* 25(1):129-142. Ref. Aug. 1966. 450 P696
- 31788 SAAKOV, V. S. Application of carbon isotope for study of lutein metabolism. (Rus) *Akad. Nauk SSSR. Dokl.* 170(2):460-463. Ref. 1966. 511 P444A
Plants.
- 31789 SAKHAROVA, O. Specific role of manganese in the photochemical reaction of transformation of xanthophylls. (Rus) *Bot. Zhur. [Moscow]* 51(11):1650-1651. Ref. Nov.1966. 451 R923
Elodea canadensis.

- 31790 SAKURAI, A., and TAMURA, S. Synthesis of dihydroelminthosporic and alldihydroelminthosporic acids and their plant growth-regulating activity. *Agr. Biol. Chem.* 30(8): 793-799. Aug. 1966. 385 Ag8B
- 31791 SCHLOSSER, U. Enzymatic release of zoospores in *Chlamydomonas reinhardtii* Dangeard under synchronized culture. (Ge) *Arch. Mikrobiol.* 54(2):129-159. Ref. 1966. 442.8 Ar26 English summary.
Excerpt from thesis.
- 31792 SCHNEIDER, B. Mathematical measurement of the complex and mutual effects. (Ge) *Deut. Landwirt.-Pflanzenzücht. Vortr. Pflanzenzüchter* 9:30-56. 1965. 451 D485 Plants.
- 31793 SCHUTTE, H. R., LEHFELDT, J., and HINDORF, H. Biosynthesis of matrine in *Sophora tetraptera*. (Ge) *Justus Liebig's Ann. Chem.* 685:194-199. 1965. 384 An7
- 31794 SEDYKH, N. V., and KHOKHLOVA, L. P. On possibility of application of dielectric method to characteristics of cytoplasmic proteins structure and water relations in plant leaves. (Rus) *Akad. Nauk SSSR. Dokl.* 170(2): 464-465. 1966. 511 P444A
- 31795 SEIDEL, K. Purification of bodies of water with higher plants. (Ge) *Naturwissenschaften* 53(12):289-297. Ref. June 15, 1966. 474 N213 Their effects on microorganisms; chiefly effects of *Scirpus lacustris*.
- 31796 SEREBRYAKOV, I. G. The relative significance of internal and environmental factors in the rhythm of development of plants. (A contribution to the history of the problem). (Rus) *Bot. Zhur.* 51(7):923-938. Ref. July 1966. 451 R923 English summary.
- 31797 SETHI, H., SHARMA, B. K., and BERI, R. M. Studies on the santonin content of *Artemisia brevifolia* Wall. cultivated in the Chakrata hills. *Indian Forest.* 92(9):583-585. Sept. 1966. 99.8 In2
- 31798 SHAH, V. C., and LYMAN, H. DNA-dependent RNA synthesis in chloroplasts of *Euglena gracilis*. *J. Cell Biol.* 29(1):174-176. Apr. 1966. 442.8 J828
- 31799 SHAW, N., and BOYER, P. D. Source of oxygen in adenosine triphosphate formed by illumination or by acid-base transition of chloroplasts. *J. Biol. Chem.* 241(23):5738-5740. Ref. Dec. 10, 1966. 381 J824
- 31800 SHTRAUSBERG, D. V. *Pitanie rastenii pri ponizhennykh temperaturakh* [Plant nutrition as affected by low temperature]. Moskva, Nauka, 1965. 142 p. Ref. QK867.S5
- 31801 SHUL'GIN, I. A. Dependence of photomorphogenic reactions of plants on alternation of strong and weak light. (Rus) *Fiziol. Rast.* 13 (3):398-405. Ref. May/June 1966. 450 F58 English summary.
- 31802 SIEGENTHALER, P. A., BELSKY, M. M., and GOLDSTEIN, S. Phosphate uptake in an obligately marine fungus: a specific requirement for sodium. *Science* 155(3758):93-94. Ref. Jan. 6, 1967. 470 Sci2
Thraustochytrium roseum.
- 31803 SIMONART, P., and VERACHTERT, H. Phenol compounds produced by *Aspergillus fumigatus* Fresenius and *Penicillium spinulosum* Thom. (Fr) *Soc. Chim. Biol. Bull.* 48(8/9):943-950. Ref. 1966. 383 Sol English summary.
- 31804 SOMBERG, E. W., SALMON, B. J., and DAVIS, F. F. Some effects of methionine starvation on a methionine auxotroph of *Neurospora crassa*. *Biochim. Biophys. Acta* 129(2):419-421. Nov. 22, 1966. 381 B522
- 31805 SORENSON, W. G., and HESSELTINE, C. W. Carbon and nitrogen utilization by *Rhizopus oligosporus*. *Mycologia* 58(5):661-669. Ref. Sept./Oct. 1966. 450 M89
- 31806 SPERLING, W., and KE, B. Chlorophyll monolayers and multilayers. I-II. Photochem. Photobiol. 5(11/12):857-863, 865-876. Ref. Nov./Dec. 1966. 382 P56
I. Methods of preparation and spectroscopic characterization; II. Evidence for the presence of ordered aggregates.
- 31807 STRAFFORD, G. A. *Essentials of plant physiology*. New York, Dover Publications, 1965. 216 p. Ref. QK711.S72
- 31808 STROGONOV, B. P., and DOSTANOVA, R. KH. Dependence of anthocyanin and leucoanthocyanin content of plants on type of salinization. (Rus) *Fiziol. Rast.* 13(3):509-516. Ref. May/June 1966. 450 F58 English summary.
- 31809 SUCROW, W. Components of *Momordica charantia* L. II. Two new delta-7 sterols from *Momordica charantia*. (Ge) *Chem. Ber.* 99 (11):3559-3567. Ref. Nov. 1966. 384 B45
- 31810 TAGUCHI, H., SANKAWA, U., and SHIBATA, S. Biosynthesis of usnic acid in lichens. *Tetrahedron Lett.* 42:5211-5214. Oct. 1966. 385 T29
- 31811 TAKEMOTO, T., and KOMETANI, K. Triterpene glycoside (mubenine) from seeds of *Stauntonia hexaphylla*. (Ge) *Justus Liebig's Ann. Chem.* 685:237-246. 1965. 384 An7
- 31812 TEGTMEIER, D., and PAPPELIS, A. J. The effect of light on the amino acid metabolism of *Diplodia zeae*. III. *State Acad. Sci. Trans.* 59 (4):364-368. Ref. 1966. 500 IL6
- 31813 TEPPER, J. T., MCCORMICK, D. B., and WRIGHT, L. D. Direct evidence for the conversion of dethiobiotin to biotin in *Aspergillus niger*. *J. Biol. Chem.* 241(23):5734-5735. Ref. Dec. 10, 1966. 381 J824
- 31814 THERRIEN, C. D. Microspectrophotometric measurement of nuclear deoxyribonucleic acid content in two Myxomycetes. *Can. J. Bot.* 44 (12):1667-1675. Ref. Dec. 1966. 470 C16C Didymium iridis and *D. nigripes*.
- 31815 TOLBERT, N. E., and HESS, J. L. The effect of hydroxymethanesulfonates on $^{14}\text{CO}_2$ photosynthesis by algae. *J. Biol. Chem.* 241(23): 5712-5715. Ref. Dec. 10, 1966. 381 J824
- 31816 TREVITHICK, J. R., and METZENBERG, R. L. Molecular sieving by *Neurospora* cell walls during secretion of invertase isozymes. *J. Bacteriol.* 92(4):1010-1015. Ref. Oct. 1966. 448.3 J82
- 31817 TUMANOV, I. I., and KRASAVTSEV, O. A. A study of the mechanism of vitrification of water in plant cells. (Rus) *Fiziol. Rast.* 13(3): 487-493. May/June 1966. 450 F58 English summary.
Freezing rate.
- 31818 UCHINO, F., KURONO, Y., and DOI, S. Crystallization of an endopolygalacturonase from *Acrocylindrium* sp. *Agr. Biol. Chem.* 30(10): 1066-1068. Ref. Oct. 1966. 385 Ag8B
- 31819 UFFELN, L. G. VAN. Watch the temperature in growing paprika seedlings. (Du) *Groenten Fruit* 22(16):653. Oct. 26, 1966. 80 G89
- 31820 VAGUJFALVI, D. Alkaloid transport in plants. (Hu) *Herba Hung.* 5(2/3):51-54. 1966. 71.8 H413 German summary.
- 31821 VEDEL, F., and others. Evolution of DNA and RNA of *Parietaria officinalis* L., as the function of calcium ion concentration in culture media. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(14):933-936. Ref. Oct. 3, 1966. 505 P21 N. Pireyre, E. Searance, and Y. Guittion, joint authors.
- 31822 VEEN, H. Transport, immobilization and localization of naphthylacetic acid- ^{14}C in *Coleus* explants. *Acta Bot. Neerl.* 15(2):419-433. Ref. Sept. 1966. 450 Ac822
- 31823 VIALA, G. Astaxanthin in *Chlamydomonas nivalis* Will. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(19):1383-1386. Ref. Nov. 7, 1966. 505 P21
- 31824 VICHERKOVA, M., and PLHAK, F. Study of the autophagic and allelopathic properties of cultivated plants by crop rotation. (Ge) *Biol. Plant.* 8(6):456-469. Ref. 1966. 450 B52
- 31825 VIRTANEN, A. I. Mineral fertilizing in agriculture and nutrition. (Ge) *Agrarjahr* 1966: 32-34. 18 Ag85
Effects of minerals on plants.

- 31826 VON BOGUSLAWSKI, E. Cooperation of the growth factors and the complex effects. (Ge) Deut. Landwirt.-Ges. Pflanzenzucht. Vortr. Pflanzenzüchter 9:4-19. 1965. 451 D485
Effect of environment on growth and development of plants.
- 31827 WANG, D., and MANCINI, D. Studies on ribonucleic acid-polyposphate in plants. Biochim. Biophys. Acta 129(2):231-239. Ref. Nov.22. 1966. 381 B522
- 31828 WENGER, C. J., and LILLY, V. G. The effects of light on carotenogenesis, growth, and sporulation of *Syzygites megalocarpus*. Mycologia 58(5):671-680. Ref. Sept./Oct.1966. 450 M99
- 31829 WESSELS, J. G. H. Control of cell-wall glucan degradation during development in *Schizophyllum commune*. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(4):341-355. Ref. 1966. 443.8 N28A
- 31830 WHITTIER, D. P. The influence of growth substances on the induction of apogamy in *Pteridium gametophytes*. Amer. J. Bot. 53(9):882-886. Ref. Oct.1966. 450 Am36
- 31831 WILEY, W. R., and MATCHETT, W. H. Tryptophan transport in *Neurospora crassa*. I. J. Bacteriol. 92(6):1698-1705. Ref. Dec.1966. 448.3 J82
- 31832 WOJCIECHOWSKA, H. Mycorrhizae of halophytes from some saline soils in the Wielkopolsko-Kujawska Lowland. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(8):581-583. Ref. 1966. 512 W262
- 31833 YACOVOL, P. N., SHENDEVITSKII, V. I., and IVCHIK, N. N. Retention of radioactive dust by greenery. 6 p. Ref. (JPRS 37,629; TT 66-34057) Transl. 16301
Translation from *Gigiena i Sanitariya* 7:88-90. 1966.
CFSTI: \$1.00.
- 31834 YAKIMOV, A. P. Some cultivated perennial species of *Polygonum* L. as producers of vitamins. (Rus) *Rastitel. Resursy* 1(2):238-241. Ref. 1965. 450 R18
Ascorbic acid, carotene and rutin in *Polygonum weyrichii*, *P. sachalinense*, and *P. divaricatum*.
- 31835 YEFIMENKO, O. M., and AGEENKOVA, L. V. Pigments of some *Polyopora*-ae. (Rus) *Rastitel. Resursy* 1(2):236-238. 1965. 450 R18
Fomes igniarius and *Fomes pini*.
- 31836 ZALABAK, V. Application of growth substances in plants in Czechoslovakia. (Ge) *Za Sotsialist. Sel'skokhoz. Nauk.* 15(3):173-206. Ref. 1966. 64.8 Z1
English summary.
- 31837 ZECHNER, L. Glykoside [Glycosides]. Ed. 5. Lehre, 1966. 289 p. Ref. 452.8 W63
Includes plant glycosides.
- 31838 ZURCHER, W., and TAMM, C. Verrucaric acid A as metabolite of *Myrothecium verrucaria* Tode ex Fr., generic type from *Fries*. (Ge) *Helv. Chim. Acta* 49(8):2594-2597. Ref. 1966. 385 H36
English summary.
- 31839 ZUTSHI, D. P. Effect of quinine sulphate and quinine alkaloid on photosynthesis. Biol. Plant. 6(3):197-201. Ref. 1966. 450 B52
Hydrilla verticillata.
- 31840 ZVARA, J. Further factors influencing the cation adsorption power of roots. Biologia [Bratislava] 21(11):785-793. Ref. 1966. 442.8 B5265
Barley, corn and peas.
- 31843 FERREE, P. Morocco's 1965-66 harvest shows effects of severe drought. Foreign Agr. Incl. Foreign Crops Markets 4(51):7. Dec.19. 1966. A281.9 F76Fo
Chiefly field crops.
- 31844 PETERS, R. J., and ALEXANDER, M. Effect of legume exudates on the root nodule bacteria. Soil Sci. 102(6):380-387. Ref. Dec.1966. 56.8 So3
- 31845 WATANABE, K., and KODAMA, T. Studies on the effects of soil physical conditions on the growth and yield of crop plants. 5. Effects of composition of soil air on the growth of crop plants. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(4):413-418. Ref.
English summary.
- 31846 WATANABE, K., KODAMA, T., and HOZUMI, Y. Studies on the effects of soil physical conditions on the growth and yield of crop plants. 6. Effects of composition of soil air on the growth of crops in their different stages of growth. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(4):419-424. Ref. June 1966. 22.5 C88
English summary.
- 31847 WIERSUM, L. K. Calcium content of fruits and storage tissues in relation to the mode of water supply. Acta Bot. Neer. 15(2):406-418. Ref. Sept.1966. 450 Ac822
Field crops studied with radioactive calcium.
- 31848 WILSON, J. W. Effect of temperature on net assimilation rate. Ann. Bot. (n.s.)30(120):753-761. Ref. Oct.1966. 450 An7
Rape, sunflower and maize.

Physiology and Biochemistry - Cereals

- 31849 ALLENDE, J. E., and BRAVO, M. Amino acid incorporation and aminoacyl transfer in a wheat embryo system. J. Biol. Chem. 241(24):5813-5818. Ref. Dec.25.1966. 381 J824
- 31850 BANGE, G. G. J., and MEIJER, C. L. The alkali cation carrier of barley roots: a macromolecular structure? Acta Bot. Neer. 15(2):434-450. Ref. Sept.1966. 450 Ac822
- 31851 BARBER, D. A. Effect of micro-organisms on nutrient absorption by plants. Nature 212 (5062):638-640. Nov.5.1966. 472 N21
Barley.
- 31852 BATYGINA, T. E. Process of fertilization in cases of remote hybridization in the genus *Triticum* L. (Rus) Bot. Zhur. [Moscow] 51 (10):1461-1479. Ref. Oct.1966. 451 R923
Triticum monococcum X *T. aestivum*.
- 31853 BEAUCHAMP, E., and LATHWELL, D. J. Root-zone temperature effects on the vascular development of adventitious roots in *Zea mays*. Bot. Gaz. 127(2/3):153-158. Ref. June/Sept. 1966. 450 B652
Cold.
- 31854 BRADFORD, R. R., BAKER, D. E., and THOMAS, W. I. Effect of soil treatments on chemical element accumulation of four corn hybrids. Agron. J. 58(6):614-617. Ref. Nov. Dec.1966. 4 Am34P
- 31855 BRETSCHNEIDER-HERRMANN, B. Complex and mutual effects in oats as illustrated by samples in pot experiment from the phytotron. (Ge) Deut. Landwirt.-Ges. Pflanzenzücht. Vortr. Pflanzenzüchter 9:20-29. 1965. 451 D485
Chiefly effects of light, temperature and fertilization on yields.
- 31856 BRUCE, R. R., SANFORD, J. O., and MYHRE, D. L. Soil water and nitrogen influence on growth and fruiting of a cytoplasmic male-sterile corn hybrid and its fertile counterpart. Agron. J. 58(6):631-634. Ref. Nov. Dec.1966. 4 Am34P
- 31857 CAPIEL, M. The uptake of Na22 by intact plants as related to root-to-shoot weight ratio. P. R. Univ. J. Agr. 50(4):270-279. Oct.1966. 8 P832J
Corn.
- 31858 CHAO, T. T. Effect of nitrogen forms on the absorption of bromide by sorghum. Agron. J. 58(6):595-596. Ref. Nov. Dec.1966. 4 Am34P

Physiology and Biochemistry of Field Crops

- 31841 BROADBENT, D., and RADLEY, M. E. Some effects of 1-amino-2-nitrocyclopentane-1-carboxylic acid on flowering plants. Ann. Bot. (n.s.)30(120):763-777. Ref. Oct.1966. 450 An7
Field crops.
- 31842 CARR, D. J., and BURROWS, W. J. Evidence of the presence in xylem sap of substances with kinetin-like activity. Life Sci. 5(22):2061-2077. Ref. Nov.1966. 442.8 L62
In field crops.

- 31859 CHEL'TSOVA, L. P., and LEBEDEV, N. I. On shifts of the cytoplasm, nuclei and nucleoli IEP [isoelectric points] in the shoot apex of wheat due to vernalization. (Rus) Fiziol. Rast. 13(3):525-527. May/June 1966. 450 F58
- 31860 DIGENIS, G. A., FARAJ, B. A., and ABU-CHAA, C. I. The biotransformation of gramine into tryptophan in barley shoots. Biochem. J. 101(2):27C-29C. Ref. Nov.1966. 382 B52
- 31861 FALLER, N., and DIMITRIJEVIC, M. A contribution to the study of the effect of CCC on wheat. (Se) Agrohemija 7/8:343-352. Ref. 1966. 385 Ag87
English summary.
- 31862 GAHAGAN, H. E., and MUMMA, R. O. A new aromatic glycoside from Zea mays. Chem. Indus. 47:1967-1968. Nov.19,1966. 382 M31C
- 31863 GHOSH, P. C. A comparison of some chemical tests for available soil nitrogen. Plant Soil 25 (1):65-72. Ref. Aug.1966. 450 P696
Uptake by wheat.
- 31864 GRAEBE, J. E., and NOVELLI, G. D. Amino acid incorporation in a cell-free system from submerged tissue cultures of Zea mays L. Exp. Cell Res. 41(3):521-534. Ref. Mar.1966. 442.8 Ex7
- 31865 GUPTA, M. B. S. Utilisation of phosphate by wheat as affected by the time of application in calcareous soil. Indian Soc. Soil Sci. J. 14(2): 133-137. June 1966. 56.9 In2
- 31866 HANSEL, H. Physiological aspect of yields and their relation to the grain breeding. (Ge) Deut. Landwirt.-Ges. Pflanzenzücht. Vortr. Pflanzenzüchter 9:117-131. Ref. 1965. 451 D485
- 31867 HANWAY, J. J. How a corn plant develops. Iowa. State Univ. Ext. Spec. Rep. 48,17 p. Sept.1966. 100 Io9Sp
- 31868 HAVRANKOVA, J. Histochemical demonstration of non-specific esterase in wheat root. Biol. Plant. 8(6):452-455. 1966. 450 B52
- 31869 IKEMIYA, M. Studies on malt amylase. III. The effect of gibberellic acid treatment on the alpha-amylase development in wheat seed pre-heated at high temperatures. Kyoto Univ. Inst. Chem. Res. Bull. 44(3):231-237. Ref. May 1966. 385 K99
- 31870 INOKUTI, A. On the germination of coated rice seeds. (Ja) Crop Sci. Soc. Japan. Proc. 34(4):374-379. June 1966. 22.5 C88
English summary.
- 31871 IVANIC, J. The effect of mixtures of Czechoslovak fertilizers on the uptake of nutrients and yields of corn. (Cz) Poľnohospodárstvo 12(9):689-696. Ref. Oct.1966. 19.5 P752
English summary.
Mineral fertilizers.
- 31872 JELENIC, D., and LESKOVAC, V. The effect of nitrogen, phosphorus and potassium nutrition on the dynamics of the incorporation of phosphorus into the phospholipids in young wheat variety "Bezostaja I." (Se) Agrohemija 12: 655-666. 1965. 385 Ag87
English summary.
- 31873 JELENIC, D., and others. The metabolism of phosphorus in leaves of some corn varieties during phases of the growth. (Se) Agrohemija 3/4:141-145. 1966. 385 Ag87
M. Pencic, B. Kepecki, and L. Zaric, joint authors.
- 31874 JELENIC, D. B., and JELENIC, D. The effect of calcium cyanamide on the quality of the winter wheat variety "Bankut 1205." (Se) Agrohemija 7/8:291-301. Ref. 1966. 385 Ag87
English summary.
Effect on chemical content.
- 31875 JELENIC, D. B., and JELENIC, D. Effect of the time of application of calcium and ammonium nitrate fertilizers on the quality of winter wheat variety "Bankut 1205." (Se) Agrohemija 3/4:81-90. 1966. 385 Ag87
English summary.
- 31876 KAMPEN, J. H. VAN, and ZUIDEMA, F. C. Influence of weather on the moisture content of ripe grain in connection with necessary threshing and drying capacity in East Frigeland. (Du) Landbouwkundig Tijdschr. 78(2):53-60, map. Feb.1966. 105.2 Or3
English summary.
Wheat.
- 31877 KEDROV-ZIKHMAN, O. K., and others. Effect of radioactive strontium on yields of field crops in connection with soil liming. (Rus) Agrokimiya 1:113-122. (Cont.) Ref. Jan. 1966. 385 Ag89
T. K. Egorova, V. K. Zhelnova, E. P. Bazegskii, L. I. Artem'eva, and N. S. Prokhorov, joint authors.
Barley and red clover.
- 31878 KUTACEK, M., BULGAKOV, R., and OPLISTILOVA, K. On the auxin activity of glucobrassicin in biological tests. Biol. Plant. 8(3):252-255. Ref. 1966. 450 B52
Wheat and peas.
- 31879 LANNING, F. C. Relation of silicon in barley to disease, cold, and pest resistance. J. Agr. Food Chem. 14(6):636-638. Ref. Nov./Dec. 1966. 381 J8223
- 31880 LEBEDEV, S. I., and LITVINENKO, L. G. Interrelationship between the photochemical activity and energetic and structural features of chloroplasts. (Rus) Fiziol. Rast. 13(3): 411-415. Ref. May/June 1966. 450 F58
English summary.
In connection with formation and accumulation of chlorophyll and nucleic acids in maize plants.
- 31881 LEVIN, F. I. Biological cycle of nitrogen and ash elements in grain crops cultivated on soddy-podzolic soils. (Rus) Agrokimiya 8: 56-64. Ref. Aug.1965. 385 Ag89
- 31882 LIESEGANG, F., and SCHALL, S. The natural site for the culture of grain and silo corn in the German Federal Republic. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten, Ber. Landwirt. (n.s.)44(3):568-605, map. Ref. p.604-605. 1966. 18 G31
Climatic conditions.
- 31883 MAEDA, E. Influences of uncoupling agents and other metabolic inhibitors on the extension of lamina joints in rice plants. (Ja) Crop Sci. Soc. Japan. Proc. 34(4):391-398. Ref. June 1966. 22.5 C88
English summary.
- 31884 MAI-THI-MY-NHUNG. Chemical and physico-chemical changes in a flooded acid sulfate soil and the growth and yield of rice. Saigon, Directorate of Agricultural Research, 1966. 100 p. Ref. S593.5.M3
Bibliography, p.65-69.
- 31885 MATSUSHIMA, S., TANAKA, T., and HOSHINO, T. Analysis of yield-determining process and its application to yield-prediction and culture improvement of lowland rice. 75. Temperature effects on tillering in case of leaves and culm, culm-bases, and roots being independently treated. (Ja) Crop Sci. Soc. Japan. Proc. 34 (4):478-483. June 1966. 22.5 C88
English summary.
Includes culture and yields.
- 31886 MCNEAL, F. H., BERG, M. A., and WATSON, C. A. Nitrogen and dry matter in five spring wheat varieties at successive stages of development. Agron. J. 58(6):605-608. Ref. Nov./Dec.1966. 4 Am34P
- 31887 MCNEAL, F. H., and DAVIS, D. J. Protein content of wheat kernels from different parts of the spike. Agron. J. 58(6):635-636. Nov./Dec.1966. 4 Am34P
- 31888 MINERBI, G. Microscopic examination of pistils of wheat affected by cold in the phase of anthesis. (It) Riv. Patol. Veg. (ser.4)1(3):101-108. July/Sept.1965. 464.8 R52
English summary.
- 31889 MISHRA, D. Formation of anthocyanin in detached wheat (Triticum dicoccum) leaves by kinetin treatment. Naturwissenschaften 53(12): 307-308. June 15,1966. 474 N213

- 31890 NARASINGA RAO, C., and SRINIVASULU, K. Studies on the effect of chloro choline chloride on the early root growth of rice. *Cur. Sci.* 35 (19):490-491. Oct.5,1966. 475 Sci23
- 31891 NAVASERO, S. A., and TANAKA, A. Low-light-induced death of lower leaves of rice and its effect on grain yield. *Plant Soil* 25(1):17-31. Aug.1966. 450 P696
- 31892 NEALES, T. F., and DAVIES, J. A. The effect of photoperiod duration upon the respiratory activity of the roots of wheat seedlings. *Australian J. Biol. Sci.* 19(3):471-480. Ref. June 1966. 442.8 Au72
- 31893 NILSON, L. R., and HERMELIN, T. Isozyme variations in some barley varieties. *Uppsala. Lantbrukshögsk. Ann.* 32(3):297-308. Ref. 1966. 104 Up6
- 31894 OMBACH, M., GOLASZEWSKI, T., and SZAR-KOWSKI, J. W. Some properties of the ribonucleic acid from the postmitochondrial supernatant of green and etiolated rye leaves. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(6):533-539. Ref. 1966. 512 W262
- 31895 PALEG, L. G., and ASPINALL, D. Effects of day length and light intensity on growth of barley. V. Response by plants in the field to night interruption. *Australian J. Biol. Sci.* 19(5):719-731. Ref. Oct.1966. 442.8 Au72
- 31896 PASTOREK, M., and CHUROVA, K. Overwintering of selected varieties of winter wheat in southwestern Slovakia during 1963-1964. (Cz) *Pol'nohospodars'vo* 12(8):637-644. Ref. 1966. 19.5 P752
- 31897 PETROCHENKO, E. I., and KOLESNIKOV, P. A. Oxidation of NAD-H₂ by subcellular fractions with participation of peroxidase and molecular oxygen. (Rus) *Biokhimiya* 31(6):1117-1120. Ref. Nov./Dec.1966. 385 B523
English summary.
Studied on wheat and barley.
- 31898 PSHENOVA, K. V., MUTUSKIN, A. A., and KOLESNIKOV, P. A. Copper-containing proteins of wheat leaves. (Rus) *Akad. Nauk SSSR. Dokl.* 170(2):457-459. Ref. 1966. 511 P444A
- 31899 SARIC, M. R., and CURIC, R. Interrelation between some elements of mineral nutrition and their role in the growth and development of wheat. (Se) *Agrohimiya* 7/8:253-277. Ref. 1966. 385 Ag87
English summary.
- 31900 SATO, K. Recovery processes after leaf cutting in cereals and forage grasses. 1. Activation of growth by defoliation at several growth stages in rice plant. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(4):367-373. Ref. June 1966. 22.5 C88
English summary.
- 31901 SATO, K. Studies on the starch contained in the tissues of rice plant. 12. The effect of air temperature on the growth, nitrogen and carbohydrate constituents. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(4):403-408. Ref. June 1966. 22.5 C88
English summary.
- 31902 SYBANBEKOV, K. Zh. Comparative data on the rate of photosynthesis and transpiration of different organs in awned and awnless forms of wheat. (Rus) *Bot. Zhur. [Moscow]* 51(11):1628-1632. Ref. Nov.1966. 451 R923
- 31903 VON ROSENSTIEL, K. Grain weather resistance. (Ge) *Deut. Landwirt.-Ges. Pflanzenzucht* 19:132-160. map. Ref. 1965. 451 D485
- 31904 ZAKOVA, J. The effect of gibberellic acid on the intensity of photosynthesis. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada A. Spisy Fak. Agron.* 2:203-212. Ref. 1966. 105.92 B833
English summary.
Corn.
- 31905 DODGE, A. D., and WHITTINGHAM, C. P. Photochemical activity of chloroplasts isolated from etiolated plants. *Ann. Bot. (n.s.)* 30(120):711-719. Ref. Oct.1966. 450 An7
Flax.
- 31906 EHARA, K., and others. Studies on the spray-culture by the fog-box. I. On the structure and function of the fog-box. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(4):484-488. June 1966. 22.5 C88
Y. Yamada, H. Ikeda, and Y. Nata, joint authors.
English summary.
Studies on field crop physiology.
- 31907 KRAFT, V. A., and BOKAREV, K. S. Transformations of the BEXT-S³⁵ defoliant in leaves of cotton plant and beans. (Rus) *Akad. Nauk SSSR. Dokl.* 169(3):717-720. Ref. 1966. 511 P444A
Sodium ethylxanthate.
- 31908 PARKS, W. L., OVERTON, J. R., and MEASELLS, J. W. Microclimate and cotton yields. *Tenn. Farm Home Sci. Progr. Rep.* 58:9. Apr./June 1966. 100 T25F
- 31909 PENKA, M., and NOVACEK, M. A contribution to the study of transpiration of the flax (*Linum usitatissimum* L.). (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada A. Spisy Fak. Agron.* 2:183-201. Ref. 1966. 105.92 B833
English summary.
- 31910 WATERS, L. C., and DURE, L. S. Ribonucleic acid synthesis in germinating cotton seeds. *J. Mol. Biol.* 19(1):1-27. Ref. Aug.1966. 442.8 J8224
- 31911 WIEGAND, C. L., and NAMKEN, L. N. Influences of plant moisture stress, solar radiation, and air temperature on cotton leaf temperature. *Agron. J.* 58(6):582-586. Ref. Nov./Dec.1966. 4 Am34P
- Physiology and Biochemistry - Forage Crops and Grasses
- 31913 ASHBY, D. L., FENSTER, W. E., and ATTOE, O. J. Effect of partial acidulation and elemental sulfur on availability of phosphorus in rock phosphate. *Agron. J.* 58(6):621-625. Nov./Dec. 1966. 4 Am34P
Uptake by ryegrass.
- 31914 BELL, S., and WOLFF, S. Effects of FUDR and thymidine on incorporation of deoxycytidine into DNA of *Vicia faba*. *Exp. Cell Res.* 42(2):408-412. May 1966. 442.3 Ex7
- 31915 BLONDON, F. External factors capable to cause flowering in *Dactylis glomerata* L.: effects of daily duration and of illumination level at 17 C temperature. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(11):48-51. July 4, 1966. 505 P21
- 31916 CARLSON, G. E. Growth of clover [*Trifolium repens*] leaves after complete or partial leaf removal. *Crop Sci.* 6(5):419-422. Ref. Sept./Oct.1966. 64.8 C883
- 31917 COWLING, D. W. The influence of various forms of nitrogenous fertilizer on the growth of a perennial ryegrass/wheat clover sward in early spring. *Brit. Grassland Soc. J.* 21(3):187-194. Ref. Sept. 1966. 60.19 B773
- 31918 DARBYSHIRE, J. F. Studies on the physiology of nodule formation. IX. The influence of combined nitrogen, glucose, light intensity and day length on root-hair infection in clover. *Ann. Bot. (n.s.)* 30(120):623-638. Ref. Oct.1966. 450 An7
Rhizobium studied.
- 31919 DAVENPORT, D. C. Effects of phenylmercuric acetate on transpiration and growth of small plots of grass. *Nature* 212(5064):801-802. Nov.19, 1966. 472 N21
- 31920 DOBRENZ, A. K., and BETTLE, A. A. Cleistogenes in *Danthonia*. *J. Range Manage.* 19(5):292-296. Ref. Sept. 1966. 60.18 J82
- 31921 ESPOSITO, V. M., ULRICH, V., and BURRELL, R. G. A serological study of *Medicago sativa* L. varieties. *Crop Sci.* 6(5):489-492. Ref. Sept./Oct.1966. 64.8 C883
Seed study.
- Physiology and Biochemistry - Fiber Crops
- 31905 DODGE, A. D., and WHITTINGHAM, C. P. Photochemical activity of chloroplasts isolated from etiolated plants. *Ann. Bot. (n.s.)* 30(120):711-719. Ref. Oct.1966. 450 An7
Flax.

- 31922 GAUSSERES, B. Studies of variations in carbohydrate content of cytoplasm and membrane tissue of cocksfoot during the year. (Fr) Ann. Biol. Anim. Biochim. Biophys. 5(3):361-381. Ref. 1965. 442.8 An75
English summary.
Dactylis glomerata.
- 31923 GRAY, E., HESTER, A. J., and RICE, J. S. Leaf content of annual lespedeza. Tenn. Farm Home Sci. Progr. Rep. 59:12-13. July/Sept. 1966. 100 T25F
- 31924 HOLT, K. E. The alfalfa industry viewpoint on xanthophyll and pigmentation. U. S. Agr. Res. Serv. ARS-74-36:72-74. 1965. A381 R31Ab
- 31925 HOVELAND, C. S., and JOHNSON, W. C. Nature changes ball clover on Alabama farms. Highlights Agr. Res. [Ala. Sta.] 13(4):3. Winter 1966. 100 AL1H
Variety adapts to area climate.
- 31926 HULL, A. C. Emergence and survival of intermediate wheatgrass [Agropyron intermedium] and smooth brome [Bromus inermis] seeded on a mountain range. J. Range Manage. 19(5): 279-283. Sept. 1966. 60.18 J82
- 31927 KAWAHARA, E., and WAKAMATSU, T. Studies on the germination of barnyardgrass seeds. 2. On the germination of barnyardgrass seeds stored for various days after harvest. (Ja) Crop. Sci. Soc. Japan. Proc. 34(4):380-384. Ref. June 1966. 22.5 C88
English summary.
- 31929 KILPATRICK, R. A., and others. Agents affecting survival of red and white clovers exposed to low temperatures in a freezing chamber. Crop Sci. 6(5):499-501. Ref. Sept./Oct. 1966. 64.8 C93
R. W. Judd, G. M. Dunn, and A. E. Rich, joint authors.
- 31929 KNIFE, D., and HERBEL, C. H. Germination and growth of some semidesert grassland species treated with aqueous extract from creosotebush [Larrea tridentata]. Ecology 47(5): 775-781. Ref. Late Summer, 1966. 410 Ec7
Bouteloua eriopoda, and Muhlenbergia porteri.
- 31930 KOHLER, G. O., KNOWLES, R. E., and LIVINGSTON, A. L. An improved method for the determination of xanthophyll. U. S. Agr. Res. Serv. ARS-74-36:67-69. 1965. A381 R31Ab
Pigmenting potency of alfalfa.
- 31931 KOHLER, G. O. The nature of the xanthophyll problem. U. S. Agr. Res. Serv. ARS-74-36: 50-53. 1965. A381 R31Ab
Alfalfa.
- 31932 KOOPMAN, M. J. F. The moisture standard for grass seeds. (No) Ned. Alg. Keuringsdienst Landbouwzaden Aardappelpeutgoed. Meded. 22(5):44. Sept. 1965. 61.9 N28
Chiefly storage.
- 31933 LEWIS, B. G., JOHNSON, C. M., and DELWICHE, C. C. Release of volatile selenium compounds by plants; collection procedures and preliminary observations. J. Agr. Food Chem. 14(6):638-640. Ref. Nov./Dec. 1966. 381 J8223
Astragalus racemosus and alfalfa.
- 31934 MANTELL, A. Effect of irrigation frequency and nitrogen fertilization on growth and water use of a kikuyugrass lawn (Pennisetum clandestinum Hochst.). Agron. J. 58(6):559-561. Nov./Dec. 1966. 4 Am34P
- 31935 MARTYNOVA, M. F., and ALEKSEENKO, L. N. Seed productivity of perennial grasses as connected with the peculiarities of formation and work of their assimilative organs. (Rus) Agrokhiymia 8:113-118. Aug. 1965. 385 Ag89
Photosynthesis.
- 31936 MATCHES, A. G. Influence of intact tillers and height of stubble on growth responses of tall fescue (Festuca arundinacea Schreb.). Crop Sci. 6(5):484-487. Ref. Sept./Oct. 1966. 64.8 C883
- 31937 MCCONAGHY, S., and SMILLIE, G. Soil potassium and its availability to crops. 1. Uptake of potassium by ryegrass in relation to soil potassium potential. Northern Ireland Res. Agr. Res. 14(2):79-94. 1965. 10 N81R
- 31938 MCGINNIES, W. J. Effects of shade on the survival of crested wheatgrass seedlings. Crop Sci. 6(5):482-484. Sept. Oct. 1966. 64.8 C883
- 31939 MERIAUX, S. The interaction of nitrogen and climatic factors on the production of dry material of Dactylis glomerata. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(15):1387-1390. Nov. 1966. 505 P21
- 31940 MILLIKAN, C. R., and HANGER, B. C. Comparative effects of ammonium or sodium added to substrates low in calcium, on the distribution of ⁴⁵Ca in subterranean clover. Australian J. Biol. Sci. 19(5):733-740. Ref. Oct. 1966. 442.8 Au72
Grown in nutrient solution.
- 31941 MITTRA, M. K., and WRIGHT, M. J. Intraplant relationships in reed canarygrass [Phalaris arundinacea L.] Crop Sci. 6(5):393-395. Ref. Sept./Oct. 1966. 64.8 C883
Physiological study.
- 31942 MOELLER, W. J., and THURMAN, R. L. Nitrate content of fall-sown rye, wheat, and oat forages. Agron. J. 58(6):627-628. Ref. Nov./Dec. 1966. 4 Am34P
- 31943 MONSON, W. G. Effects of sequential defoliation, frequency of harvest, and stubble height on alfalfa (Medicago sativa L.). Agron. J. 58(6):635. Nov./Dec. 1966. 4 Am34P
- 31944 MONTEMURRO, O., and CIANCI, D. Influence of relative seed proportions and fertilization upon the nutritional value of a vetch, horsebean, and oat forage. (It) Bari. Univ. Fac. Agr. Ann. 19:161-209. Ref. 1965, pub. 1966. 105.4 B232
English summary.
- 31945 MOORE, A. W., and RHOADES, H. F. Soil conditions and root distribution in two wet meadows of the Nebraska sandhills. Agron. J. 58(6):563-566. Ref. Nov./Dec. 1966. 4 Am34P
- 31946 MURATA, Y., IYAMA, J., and HONMA, T. Studies on the photosynthesis of forage crops. 5. The influence of soil moisture content on the photosynthesis and respiration of seedlings in various forage crops. Crop Sci. Soc. Japan. Proc. 34(4):385-390. Ref. June 1966. 22.5 C88
- 31947 PETERSON, P. J., and BUTLER, G. W. Colloidal selenium availability to three pasture species in pot culture. Nature 212(5065):961-962. Ref. Nov. 26, 1966. 472 N21
- 31949 PORTER, N. G., and VAN STEVENINCK, R. F. M. An abscission-promoting factor in Lupinus luteus (L.). Life Sci. 5(24):2301-2308. Ref. Dec. 1966. 442.8 L62
- 31949 PREUSSER, E. Aliphatic amines in the seeds or fruits and in the embryos of Vicia faba and Zea mays. (Ge) Biol. Zentralbl. 85(1):19-27. Jan./Feb. 1966. 442.8 B523
- 31950 SAMPSON, M., and DAVIES, D. D. Synthesis of metabolically labile DNA in the maturing root cells of Vicia faba. Exp. Cell Res. 43(3): 669-673. Oct. 1966. 442.8 Ex7
- 31951 SCHUTTE, H. R., and HINDORF, H. Biosynthesis of lupanine and hydroxylupanine in Lupinus angustifolius. (Ge) Justus Liebig's Ann. Chem. 685:187-194. Ref. 1965. 384 An7
- 31952 SHATSKAYA, M. G. Nekotorye biologicheskie osobennosti semyan efemerovykh rastenii [Some biological characteristics of ephemeral plant seeds]. Tashkent, Nauka Uzbekskoi SSR, 1965. 96 p. Ref. QK661.35
As forage plants.
- 31953 SHEVYAKOVA, N. I. On the stimulating and toxic effect of diamines on plants. (Rus) Fiziol. Rast. 13(3):522-524. Ref. May/June 1966. 450 F58
Broadbeans.
- 31954 VINCZEFFY, I. Changes in the hydrological structure of grassland types. (Hu) Agrobotanika 7(1):49-64. Ref. 1966. 64.8 Ag84
English summary.
- 31955 WILSON, S. B., and HALLSWORTH, E. G. The distribution of cobalt in Trifolium subterraneum. Plant Soil 23(1):60-78. Ref. Aug. 1965. 450 P696
Traced with radioactive cobalt.

- 31956 YANISHEVSKII, F. V., and GRITSEVICH, YU. G. Effect of gibberellin on growth and yield of Sudangrass, Italian millet, ryegrass, vetch, and oats at various levels of nutrition. (Rus) *Agrokhimiya* 1:123-129. Ref. Jan.1966. 385 Ag89
As forage plant.

Physiology and Biochemistry - Oil Crops

- 31957 BELIKOV, I. F., and PIRSKII, L. I. Violation of local distribution of assimilates in soybean plants. (Rus) *Fiziol. Rast.* 13(3):406-410. Ref. May/June 1966. 450 F58
English summary.
Translocation of radioactive carbon labelled photosynthetic products.
- 31958 CALDWELL, B. E., HINSON, K., and JOHNSON, H. W. A strain-specific ineffective nodulation reaction in the soybean *Glycine max* L. Merrill. *Crop Sci.* 6(5):495-496. Sept./Oct.1966. 64.8 C883
- 31959 CHROBOCZEK, H., and CHERRY, J. H. Characterization of nucleic acids in peanut cotyledons. *J. Mol. Biol.* 19(1):28-37. Ref. Aug. 1966. 442.8 J8224
- 31960 GALLIARD, T., and STUMPF, P. K. Fat metabolism in higher plants. XXX. Enzymatic synthesis of ricinoleic acid by a microsomal preparation from developing *Ricinus communis* seeds. *J. Biol. Chem.* 241(24):5806-5812. Dec.25,1966. 381 J824
- 31961 GOLOVIN, V. V., and others. Albedo of a soy field. (Rus) *Fiziol. Rast.* 13(3):517-519. May/June 1966. 450 F58
L. A. Golovina, V. M. Korovina, and G. L. Krivosheina, joint authors.
- 31962 HAGHIRI, F. Influence of macronutrient elements on the amino acid composition of soybean plants. *Agron. J.* 58(6):609-612. Ref. Nov./Dec.1966. 4 Am34P
- 31963 KASAI, T., and others. Changes in amino acid composition during germination of soybean. I-II. *Ag. Biol. Chem.* 30(10):973-981. Ref. Oct.1966. 385 Ag8B
Y. Ishikawa, Y. Obata, and T. Tsukamoto, joint authors.
- 31964 LONG, O. H., and LEWIS, R. J. Molybdenum content of the leaf & seed of soybeans. *Tenn. Farm Home Sci. Progr. Rep.* 59:4-5. July/Sept.1966. 100 T25F
- 31965 OJIMA, M., and FUKUI, J. Studies on the seed production of soybean. 3. An analytical study of dry matter production in the soybean plant community. (Jap) *Crop Sci. Soc. Japan. Proc.* 34(4):443-452. June 1966. 22.5 C88
English summary.
- 31966 OJIMA, M., and FUKUI, J. Studies on the seed production of soybean. 4. Relations between dry matter production and seed yields. (Jap) *Crop Sci. Soc. Japan. Proc.* 34(4):453-456. June 1966. 22.5 C88
English summary.
- 31967 WILSON, J. W. High net assimilation rates of sunflower plants in an arid climate. *Ann. Bot. (n.s.)* 30(120):745-751. Ref. Oct.1966. 450 An7

Physiology and Biochemistry - Sugar Crops

- 31968 ALEXANDER, A. G. Gel filtration studies of sugarcane acid phosphatases. *P. R. Univ. J. Agr.* 50(4):293-302. Ref. Oct.1966. 8 P832J
- 31969 ARTAMONOV, V. I. Synthesis and destruction of chlorophyll in plants induced by gibberellin and vitamin B2. (Rus) *Fiziol. Rast.* 13(3):424-428. Ref. May/June 1966. 450 F58
English summary.
Sugar beet and maize plants.
- 31970 BANATH, C. L., and MONTEITH, N. H. Soil oxygen deficiency and sugar cane root growth. *Plant Soil* 25(1):143-149. Ref. Aug.1966. 450 P696

- 31971 HALE, V. Q., and MILLER, R. J. Relationships between NO₃-N in petioles during the growing season and yield components of sugar beets (*Beta vulgaris*). *Agron. J.* 58(6):567-569. Nov./Dec.1966. 4 Am34P
- 31972 LUDECKE, H., and BEISS, U. Investigations on the lipids of sugar beets: alterations of the lipid content of beet leaves under field conditions. (Ge) *Zucker* 19(8):186-189. Ref. Apr.15,1966. 65.8 Z82
English summary.
- 31973 NAGARAJAH, S., and ULRICH, A. Iron nutrition of the sugar beet plant in relation to growth, mineral balance, and riboflavin formation. *Soil Sci.* 102(6):399-407. Ref. Dec. 1966. 56.8 So3
- 31974 SESTAK, Z. Limitations for finding a linear relationship between chlorophyll and photosynthetic activity. *Biol. Plant.* 8(5):336-346. Ref. 1966. 450 B52
Brassica oleracea and sugar beets.

Physiology and Biochemistry - Tobacco

- 31975 FRITIG, B., HIRTH, L., and OURISSON, G. Biosynthesis of scopoletin in aeric tobacco tissues cultivated in vitro. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(12):860-863. Sept.19, 1966. 505 P21
- 31976 HESS, J. L., and TOLBERT, N. E. Glycolate, glycine, serine, and glycerate formation during photosynthesis by tobacco leaves. *J. Biol. Chem.* 241(23):5705-5711. Ref. Dec.10,1966. 381 J824
- 31977 NISHIYAMA, I., and TAIRA, T. The effects of kinetin and indoleacetic acid on callus growth and organ formation in two species of *Nicotiana*. *Jap. J. Genet.* 41(5):357-365. Ref. Oct. 1966. 442.9 J27
Nicotiana tabacum and *Nicotiana glauca*.
- 31978 ORFTLI, J. J. Use of optical spectroscopic N15-analyses to trace a specific nitrogen application in tobacco plants. *Plant Soil* 25(1):49-64. Ref. Aug.1966. 450 P696
- 31979 ORMANDY, A. Chemical changes during the growth of tobacco and ripening of its leaves. (Cz) *Pol'nohospodarstvo* 12(11):834-840. Ref. 1953. 19.5 P752
English summary.
- 31980 RAGETLI, H. W. J., WEINTRAUB, M., and RINK, U. M. Latent acid phosphatase in chloroplasts. *Can. J. Bot.* 44(12):1723-1725. Dec. 1966. 470 C16C
Of *Nicotiana glutinosa*.
- 31981 SCHAEFFER, G. W., BURK, L. G., and TSO, T. C. Tumors of interspecific *Nicotiana* hybrids. I. Effect of temperature and photoperiod upon flowering and tumor formation. *Amer. J. Bot.* 53(9):928-932. Ref. Oct.1966. 450 Am36
- 31982 TAMAYO, A. I. Germination power of tetraploid seeds in *Nicotiana* [tabacum]. (Sp) *Real Soc. Espan. Hist. Natur. Bol. Secc. Biol.* 64(1):87-94. 1966. 442.9 So18
English summary.
- 31983 TUPPY, J. Synthesis of protein and RNA in pollen tubes stimulated with 2-thiouracil. *Biol. Plant.* 8(5):398-410. Ref. 1966. 450 B52
Nicotiana glauca.

Physiology and Biochemistry of Horticultural Crops

- 31984 AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Proceedings. Vol. 88. Beltsville, Maryland, 1966. 741 p. Ref. 81 So12
Chiefly physiological studies.
- 31985 HALEVY, A. H., and WITTWER, S. H. Effect of growth retardants on longevity of vegetables, mushrooms and cut flowers. *Amer. Soc. Hort. Sci. Proc.* 88:582-590. Ref. 1966. 81 So12
CCC, B-Nine, and BA.

Physiology and Biochemistry - Fruit Crops

- 31986 AALDERS, L. E., and HALL, I. V. Female-sterility. Maine. Agr. Exp. Sta. Misc. Rep. 118:126. 1966. 100 M28M
- 31987 ALI, N., and WESTWOOD, M. N. Rooting of pear cuttings as related to carbohydrates, nitrogen, and rest period. Amer. Soc. Hort. Sci. Proc. 88:145-150. Ref. 1966. 81 Sol2
- 31988 ANSTEY, T. H. Prediction of full bloom date for apple, pear, cherry, peach, and apricot from air temperature data. Amer. Soc. Hort. Sci. Proc. 88:57-66. Ref. 1966. 81 Sol2
- 31989 BALLINGER, W. E., and KUSHMAN, L. J. Factors affecting the mineral-element content of leaves and fruit of Wolcott blueberries. Amer. Soc. Hort. Sci. Proc. 88:325-330. Ref. 1966. 81 Sol2
Nutrition study.
- 31990 BENKO, B. The course of the winter dormancy in apricots. (Ge) Biol. Plant. 8(3):202-208. Ref. 1966. 450 B52
Includes effects of temperature.
- 31991 BISCHOFF, J. On the effect of irrigation with city waste waters on the quality of dark cherries and some apple varieties as well as on their keeping quality. (Ge) Obstbau [Berlin] 6(1):13. Jan.1966. 80 Ob79
- 31992 BLANPIED, G. D. Changes in the weight, volume and specific gravity of developing apple fruits. Amer. Soc. Hort. Sci. Proc. 88:33-37. 1966. 81 Sol2
- 31993 BOGIN, E., and WALLACE, A. CO₂ fixation in preparations from Tunisian sweet lemon and Eureka lemon fruits. Amer. Soc. Hort. Sci. Proc. 88:298-307. 1966. 81 Sol2
- 31994 BOMEKE, H. It is possible to increase yields of the pear variety Triomphe de Vienne by application of hormones? (Ge) Obstbauersuchsring Alten Landes. Mitt. 21(2):122-126. Apr. 1966. 85 J76
Using alpha-naphthaleneacetic acid.
- 31995 BORKOWSKA, B. Gravidormorphism in young apple trees: sensitivity to gravity stimulus during dormancy and growth. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(8):563-567. 1966. 512 W262
- 31996 BUSSEL, J., and MAXIE, E. C. Gas exchange in Bartlett pears in relation to gamma irradiation. Amer. Soc. Hort. Sci. Proc. 88:151-159. Ref. 1966. 81 Sol2
- 31997 CHAO, L., and WALKER, D. R. Effects of temperature, chemicals, and seed coat on apricot and peach seed germination and growth. Amer. Soc. Hort. Sci. Proc. 88:232-238. 1966. 81 Sol2
Gibberellic and malonic acids.
- 31998 CLINE, R. A., and ARCHIBALD, J. A. Nutritional factors and low-temperature injury in peach and Montmorency cherry. Ontario. Hort. Exp. Sta. Rep. 1965:14-22. Ref. 1966. 101 On823
Role of potassium levels in the peach and cherry varieties.
- 31999 DAS, V. S. R., RAO, J. V. S., and RAO, K. V. M. Colchicine-gibberellin interaction in the control of elongation of Cucumis hypocotyl. Cur. Sci. 35(18):471-472. Sept.20,1966. 475 Sci23
Muskmelons.
- 32000 DENNIS, F. G., and EDGERTON, L. J. Effects of gibberellins and ringing upon apple fruit development and flower bud formation. Amer. Soc. Hort. Sci. Proc. 88:14-24. Ref. 1966. 81 Sol2
Gibberellic acid.
- 32001 DONNO, G., and SCARPA, P. Germinability of olive pollen in two Salentina cultivars "Ogliarola Leccese" and "Cellina di Nardo." (It) Bari. Univ. Fac. Agr. Ann. 19:135-160. 1965, pub.1966. 105.4 B232
English summary.
- 32002 DRAGANOV, D., and others. Effect of air temperature on the onset and passing of the phenophases in some fruit-tree varieties. (Bu) Gradinarska Lozarska Nauk. 2(1):3-16. Ref. 1965. 87 G75
V. Todorov, A. Atanasov, and N. Nedev, joint authors.
English summary.
- 32003 DZHANGALIEV, A. D., and UVAROV, YU. P. Changes of nitrogen and potassium content and distribution in apples depending on growing conditions and intensity of the photosynthesis. (Rus) Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk 4:31-36. Ref. July/Aug.1966. 442.8 AL6
- 32004 ECK, P. Influence of substrate cation level on highbush blueberry growth and composition. Maine. Agr. Exp. Sta. Misc. Rep. 118:103-108. 1966. 100 M28M
- 32005 EDGERTON, L. J. Some effects of gibberellin and growth retardants on bud development and cold hardiness of peach. Amer. Soc. Hort. Sci. Proc. 88:197-203. 1966. 81 Sol2
Gibberellic acid.
- 32006 EMBLETON, T. W., and JONES, W. W. Effects of potassium on peel thickness and juiciness of lemon fruits. HortScience 1(1):25-26. Winter 1966. SB1.H6
- 32007 FORD, E. M. Studies in the nutrition of apple rootstocks. III. Effects of level of magnesium nutrition on growth, form and mineral composition. Ann. Bot. (n.s.)30(120):639-655. Ref. Oct.1966. 450 An7
- 32008 FORSYTH, F. R., and HALL, I. V. Effect of leaf maturity, temperature, carbon dioxide concentration, and light intensity on rate of photosynthesis in clonal lines of the lowbush blueberry, Vaccinium angustifolium Ait., under laboratory conditions. Maine. Agr. Exp. Sta. Misc. Rep. 118:101. 1966. 100 M28M
- 32009 FULFORD, R. M. The morphogenesis of apple buds. IV. The effect of fruit. Ann. Bot. (n.s.) 30(120):597-606. Ref. Oct.1966. 450 An7
- 32010 GAMBRELL, C. E., RHODES, W. H., and SUBER, R. D. The effect of six growth regulators applied at varying concentrations and at 4 stages of growth on fruit set, yield, size and maturity of Ranger peaches and their effect on vegetative growth of trees and effect on fruit at harvest. S. C. Agr. Exp. Sta. Res. Serv. 65, 12 p. 1965. SB21.S6
- 32011 GARDNER, V. R. Principles of horticultural production. East Lansing, Michigan State University Press, 1966. 583 p. SB91.G3
Bibliography, p.485-553.
Fruit physiology.
- 32012 GERICKE, S. Fertilizing and quality of strawberries. (Ge) Phosphorsaure 26(3/4):124-132. 1966. 57.8 P563
- 32013 GLEMEROTH, K. Application of new growth inhibiting substances in fruit culture. (Ge) Obstbau [Berlin] 6(8):126-127. Aug.1966. 80 Ob79
- 32014 GOLDSCHMIDT-REISCHEL, E. Growth of the strawberry varieties Xenion, Sengana and Abundance at different temperature and light intensity. (Ge) Uppsala. Lantrbrukshogsk. Ann. 32(3):285-295. Ref. 1966. 104 Up6
- 32015 GRANGER, R. L., and EDGERTON, L. J. The effects of two new petroleum spray oils and phenylmercuric acetate on the stomata of apple leaves. Amer. Soc. Hort. Sci. Proc. 88:48-51. 1966. 81 Sol2
- 32016 GRIFFITHS, W. T. "Plastoquinone B" - some structural studies. Biochem. Biophys. Res. Commun. 25(6):596-602. Dec.19,1966. 442.8 B5236
From Sambucus nigra.
- 32017 GRINENKO, V. V. Photosynthesis and pruning. (Rus) Sadovodstvo 11:32-34. Nov.1966 80 Sa13
Fruit.
- 32018 GULIDOVA, I. V. Mineral nutrition of grapes in various zones of the USSR. (Rus) Agrokhi-miya 1:146-152. Ref. Jan.1966. 385 Ag89

- 32019 HALL, I. V., and AALDERS, L. E. The effect of growth retardants on blueberry production. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:102-103. 1966. 100 M28M
- N-dimethyl amino succinamic acid (B995) and 2-chloroethyl-trimethylammonium chloride (CCC).
- 32020 HALL, I. V., AALDERS, L. E., and WOOD, G. W. Female sterility in the common lowbush blueberry, *Vaccinium angustifolium* Ait. *Can. J. Genet. Cytol.* 8(2):296-299. June 1966. 443.8 C16
- 32021 HARRINGTON, W. O., ROBINSON, J. F., and HILLS, C. H. Effect of cultural practices on processed cherry quality. *Amer. Soc. Hort. Sci. Proc.* 88:184-189. Ref. 1966. 81 Sol2
- Effect of nitrogen.
- 32022 HEINICKE, D. R. The effect of natural shade on photosynthesis and light intensity in red Delicious apple trees. *Amer. Soc. Hort. Sci. Proc.* 88:1-8. Ref. 1966. 81 Sol2
- 32023 HUSSEIN, F. Physiological studies of pears during fruit setting and in storage. (Ge) *Obstbau [Berlin]* 6(1):11-12. Jan. 1966. 80 Ob79
- 32024 ISMAIL, A., and KENDER, W. J. Respiratory inhibition of mature detached blueberry fruit (*Vaccinium angustifolium* Ait.) by N⁶-benzyladenine, kinetin and N-dimethylaminosuccinamic acid. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:123-126. Ref. 1966. 100 M28M
- 32025 JAHN, O. L., and DANA, M. N. Fruiting and growth of the strawberry plant. *Amer. Soc. Hort. Sci. Proc.* 88:352-359. Ref. 1966. 81 Sol2
- 32026 KENDER, W. J. Rhizome-bud activity as it affects the propagation of lowbush blueberries by rhizome cuttings. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:115-117. 1966. 100 M28M
- 32027 KETCHIE, D. O. Fatty acids in the bark of Halehaven peach as associated with hardness. *Amer. Soc. Hort. Sci. Proc.* 88:204-207. Ref. 1966. 81 Sol2
- 32028 KRYLOV, YU. V. Application of pin-chambers for determination of the intensity of photosynthesis. (Rus) *Fiziol. Rast.* 13(3):541-545. Ref. May/June 1966. 450 F58
- English summary.
- Apple trees.
- 32029 LABANAUSKAS, C. K., and others. Effects of soil oxygen and irrigation on nutrients. *Calif. Citrogr.* 52(1):49-50. Nov. 1966. 80 C125
- J. Letey, L. J. Koltz, and L. H. Stolzy, joint authors.
- 32030 LARSEN, F. E. Potassium iodide induced leaf abscission of deciduous woody plants. *Amer. Soc. Hort. Sci. Proc.* 88:690-697. Ref. 1966. 81 Sol2
- Fruit.
- 32031 LESHEM, Y., and KOLLER, D. The control of flowering in the strawberry *Fragaria ananassa* Duch. II. The role of gibberellins. *Amer. Bot. (n.s.)* 30(120):587-595. Ref. Oct. 1966. 450 A17
- 32032 MAINLAND, C. M., and ECK, P. Use of gibberellin and auxin to set and develop highbush blueberry fruit. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:117-122. 1966. 100 M28M
- 32033 MARGOLIN, A. F. Rootstocks and the beginning of vegetation. (Rus) *Sadovodstvo* 11:23. Nov. 1966. 80 Sa13
- Apples.
- 32034 MCKEE, M. W., and FORSHEY, C. G. Effects of chemical thinning on repeat bloom of McIntosh apple trees. *Amer. Soc. Hort. Sci. Proc.* 88:25-32. 1966. 81 Sol2
- NAA and Sevin study.
- 32035 MOLCHANOVA, Z. YA. Activity of some oxidation enzymes of grape plants during the winter period. (Rus) *Fiziol. Rast.* 13(3):494-500. May/June 1966. 450 F58
- English summary.
- 32036 MOLTCHANOV, E. F. Growth and metabolism of fruit on carbonate soils in the Crimea. (Rus) *Agroklimiya* 1:77-86. Jan. 1966. 385 Ag89
- 32037 OGOLEVETS, I. V. Effect of negative temperatures on the relative amounts of sugars in fruits trees and the relation between changes in sugar content and frost resistance of the plants. (Rus) *Fiziol. Rast.* 13(3):501-508. Ref. May/June 1966. 450 F58
- English summary.
- 32038 PAVLOV, N., and STOEY, K. Study of the effect of planting density of rootstocks on the growth and fertility of Gamza variety grapes. (Bu) *Gradinarska Lozarska Nauk.* 2(1):81-101. Ref. 1965. 87 G75
- French summary.
- 32039 PERUMAL, A., and BEATTIE, J. M. Effect of different levels of copper on the activity of certain enzymes in leaves of apples. *Amer. Soc. Hort. Sci. Proc.* 88:41-47. 1966. 81 Sol2
- 32040 RECALDE, L., and ESTEBAN, E. Nutritious equilibrium of olive crop, studied through leaf analysis. *Agrochimica* 10(4):371-385. Sept. 1966. 385 Ag84
- 32041 ROM, R. C., and ARRINGTON, E. H. The effect of varying temperature regimes on degree-days to bloom in the Elberta peach. *Amer. Soc. Hort. Sci. Proc.* 88:239-244. 1966. 81 Sol2
- 32042 RYUGO, K. Persistence and mobility of Alar (B-995) and its effect on anthocyanin metabolism in sweet cherries, *Prunus avium*. *Amer. Soc. Hort. Sci. Proc.* 88:160-166. Ref. 1966. 81 Sol2
- 32043 SALAZAR, C. G. Comparative anatomy of citrus and cold-hardiness. *P. R. Univ. J. Agr.* 50(4):316-336. Ref. Oct. 1966. 8 P832J
- 32044 SAZYKINA, N. The after-effect of low temperature on the incorporation of C¹⁴ into the RNA of leaves in plants of different geographical origin. (Rus) *Bot. Zhur. [Moscow]* 51(11):1633-1636. Ref. Nov. 1966. 451 R923
- Currents.
- 32045 SHUTAK, V. G. Effect of light intensity on vegetative and reproductive growth of highbush blueberry. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:98-101. 1966. 100 M28M
- 32046 SHUTAK, V. G., KITCHIN, J. T., and DAYAWON, M. M. Effects of N-dimethyl amino succinamic acid on quality of Cortland apples. *HortScience* 1(1):27-28. Winter 1966. SB1.H6
- Scald resistance, size, and color as affected by spraying at various times.
- 32047 SISTRUNK, J. W., and CAMPBELL, R. W. Calcium content differences in various apple cultivars as affected by rootstock. *Amer. Soc. Hort. Sci. Proc.* 88:38-40. 1966. 81 Sol2
- 32048 SMOCK, R. M. Laboratory studies of anthocyanin development in McIntosh apples. *Amer. Soc. Hort. Sci. Proc.* 88:80-88. 1966. 81 Sol2
- 32049 STEMBRIDGE, G. E. The effect of various growth regulators on fruit set in the Redskin peach. *S. C. Agr. Exp. Sta. Res. Ser.* 71, 10 p. Ref. Oct. 1965. SB21.S6
- 32050 SUSOV, V. Quality of the seedlings and resistance to cold. (Rus) *Sadovodstvo* 11:24. Nov. 1966. 80 Sa13
- Apples.
- 32051 SZALAY, J. Test of proportion of free and fixed water content at table-grape sorts of early, middle and late riping time. (Hu) *Budapest. Kerteszeti Szulesz. Foiskola. Kozlemenyei* 30(1):67-76. 1966. 80 B85
- English summary.
- 32052 TING, S. V., and VINES, H. M. Organic acids in the juice vesicles of Florida "Hamlin" orange and "Marsh Seedless" grapefruit. *Amer. Soc. Hort. Sci. Proc.* 88:291-297. Ref. 1966. 81 Sol2
- 32053 TOTH, E. Self-pollination and fertility studies on plum species. (Hu) *Tud. Tancsadoja* p. 12-13. In *Kerteszeti Szulesz.* 15(21), Nov. 1966. 80 K474
- 32054 WESTWOOD, M. N., and ZIELINSKI, Q. B. Comparative growth habit and leaf composition of a compact mutant and standard Delicious apple. *Amer. Soc. Hort. Sci. Proc.* 88:9-13. 1966. 81 Sol2

- 32055 WESTWOOD, M. N., STEPHEN, W. P., and CORDY, C. B. The possibility of wind pollination in pear. *HortScience* 1(1):28-29. Winter 1966. SB1.H6
- 32056 WISKICH, J. T. Respiratory control by isolated apple mitochondria. *Nature* 212(5062):641-642. Ref. Nov.5,1966. 472 N21
- 32057 ZANKOV, A., and RIZVANOV, K. Experiments in culture of grape embryos in agar culture medium. (Bu) *Gradinarska Lozarska Nauk.* 2 (1):103-112. Ref. 1965. 87 G75
- 32058 ZULUAGA, P. A., and LUMELLI, J. Effects of growth regulators on growth of grapes. (Sp) *Oeste* 5(15):39-54. Second Q.1966. 287 Oe8
- Physiology and Biochemistry - Nuts
- 32059 MCKAY, J. W. Sterility in filbert (*Corylus*). *Amer. Soc. Hort. Sci. Proc.* 88:319-324. 1966. 81 So12
- 32060 ROMISONDO, P. Aspects of the floral biology of the filbert cv. "Tonda Gentile delle Langhe." (It) *Turin. Accad. Agr. Ann.* 107:243-302. Ref., p.301-302. 1964/65. 16 T63
English summary.
- 32061 ROMISONDO, P. Observations on the interdependence between length of branches of one year and the vegetative and productive activity of the hazelnut. III. (It) *Turin. Accad. Agr. Ann.* 107:109-129. 1964/65. 16 T63
- Physiology and Biochemistry - Shade Trees and Ornamental Plants
- 32062 AANONSEN, A. CO₂ for carnations and roses. (No) *Gartneryrket* 56(45):1003-1004. Nov.4, 1966. 80 G1938
- 32063 BALLANTYNE, D. J. The influence of low temperature and gibberellin on development and respiration of flower buds of the Red Wing Azalea (*Rhododendron* cv.). *Amer. Soc. Hort. Sci. Proc.* 88:595-599. 1966. 81 So12
Gibberellic acid.
- 32064 BIK, R. A., and ZWAARD, P. VAN DER. Experiments with nitrogen step fertilizing and dates of pruning for Azalea. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1965:52-53. 86 Aa4
Effects on growth and color.
- 32065 BREWER, R. F., GUILLEMET, F. B., and SUTHERLAND, F. H. The effects of atmospheric fluoride on *Gladiolus* growth, flowering, and corm production. *Amer. Soc. Hort. Sci. Proc.* 88:631-634. Ref. 1966. 81 So12
- 32066 BRUGOVITZKY, E., and POPOVICI, G. The effect of gibberellic acid on the ascorbic acid content of two rose varieties. (Ge) *Naturwissenschaften* 53(12):312. June 15,1966. 474 N213
- 32067 CARLSON, W. C., and BERGMAN, E. L. Analysis of plant tissue and soil make possible prediction of flower yield of greenhouse roses. *Sci. Farmer [Penn. Sta.]* 14(1):10-11. Fall 1966. 100 P381S
- 32068 CARLSON, W. H., and BERGMAN, E. L. Tissue analyses of greenhouse roses (*Rosa* hybrid) and correlation with flower yield. *Amer. Soc. Hort. Sci. Proc.* 88:671-677. Ref. 1966. 81 So12
Nutrition study.
- 32069 CATARINO, F. M. Some effects of kinetin on growth, breaking of dormancy, and senescence in *Bryophyllum*. *Port. Acta Biol. Ser. A*, 9 (1/2):211-247. Ref. 1965. 442.8 P83
Includes *Bryophyllum daigremontianum*.
- 32070 CHEN, S. Localization of starch in the base of *Narcissus* leaves. *Ann. Bot. (n.s.)* 30(120):721-725. Oct.1966. 450 An7
- 32071 COCKSHULL, K. E. Effects of night-break treatment on leaf area and leaf dry weight in *Callistephus chinensis*. *Ann. Bot. (n.s.)* 30(120):791-806. Ref. Oct.1966. 450 An7
- 32072 DICKINSON, D. B. A photomicrographic study of lily (*Lilium longiflorum*) pollen germination. *HortScience* 1(1):20. Winter 1966. SB1.H6
- 32073 DICKINSON, D. B. The relation between external sugars and respiration of germinating lily pollen. *Amer. Soc. Hort. Sci. Proc.* 88:651-653. Ref. 1966. 81 So12
Studied in culture medium.
- 32074 FLEMING, R. A. Hardening of annual flowering plants. *Ontario. Hort. Exp. Sta. Rep.* 1965:88-91. 1966. 101 On823
With low temperatures and by withholding moisture.
- 32075 FURUTA, T., and STRAITON, T. H. Synergism of kinetin and gibberellic acid in flowering of unchilled Azalea, cultivar Red Wing. *Amer. Soc. Hort. Sci. Proc.* 88:591-594. Ref. 1966. 81 So12
- 32076 HACKETT, W. P., and SACHS, R. M. Flowering in Bougainvillea "San Diego." *Amer. Soc. Hort. Sci. Proc.* 88:606-612. 1966. 81 So12
- 32077 HANSEN, W. Artificial light for the regulation of length of day. (Da) *Horticultura* 20(11):155-163. Nov.1966. 80 H7825
Chiefly *Chrysanthemum*.
- 32078 JOUSSAUME, M., and BOURDU, R. On the biosynthesis of nucleic acids in chloroplasts [*Bryophyllum daigremontianum*]. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2143-2146. 1965. 442.9 P21
- 32079 KEMMERER, H., and BUTLER, J. D. Effect of gibberellic acid on growth of woody ground cover plants. *Amer. Soc. Hort. Sci. Proc.* 88:698-702. 1966. 81 So12
- 32080 LEFFRING, L. Influence of soil heating on Gerbera. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1965:83-85. 86 Aa4
Effects on growth.
- 32081 LING, L., WIDMER, R. E., and MULLIN, R. Influence of temperature, nutrition and combining ability on seed production in *Chrysanthemum*. *Amer. Soc. Hort. Sci. Proc.* 88:621-626. Ref. 1966. 81 So12
- 32082 LOVE, J. E., and CONSTANTIN, M. J. The induction of bud sports in *Coleus blumei* by fast neutrons. *Amer. Soc. Hort. Sci. Proc.* 88:627-630. 1966. 81 So12
- 32083 LUNING, B., TRANKNER, H., and BRAND-DANGE, S. Studies on *Orchidaceae* alkaloids. V. A new alkaloid from *Phalaenopsis amabilis* Bl. *Acta Chem. Scand.* 20(7):2011. 1966. 385 Ac82
Phalaenopsis.
- 32084 MANSELL, R. L., and HAGEN, C. W. The differentiation of pigmentation in flower parts. III. Metabolism of some exogenous anthocyanins by detached petals of *Impatiens balsamina*. *Amer. J. Bot.* 53(9):875-882. Ref. Oct.1966. 450 Am36
- 32085 MAROUSKY, F. J., and SHANKS, J. B. Effects of environmental factors and plant maturity on bract and leaf abscission in *Euphorbia pulcherrima* Willd. *Amer. Soc. Hort. Sci. Proc.* 88:662-670. 1966. 81 So12
- 32086 MCDOWELL, T. C., and LARSON, R. A. Effects of (2-chloroethyl) trimethyl ammonium chloride (Cycocel), N-dimethyl succinamic acid (B-Nine), and photoperiod on flower bud initiation and development in Azaleas. *Amer. Soc. Hort. Sci. Proc.* 88:600-605. Ref. 1966. 81 So12
- 32087 MILLER, R. O., and KIPLINGER, D. C. Interaction of temperature and time of vernalization on northwest Easter lilies. *Amer. Soc. Hort. Sci. Proc.* 88:635-645. Ref. 1966. 81 So12
- 32088 MILLER, R. O., and KIPLINGER, D. C. Reversal of vernalization in northwest Easter lilies. *Amer. Soc. Hort. Sci. Proc.* 88:646-650. 1966. 81 So12
- 32089 ROSSETTI, V. Amino acids present in the pollen of *Lilium candidum*. (It) *Ann. Chim.* 56 (8/9):935-945. Aug./Sept.1966. 385 An7
English summary.
- 32090 SMITH, W. H., and PARKER, J. C. The effect of temperature upon intensity of colour in the coronas of cut blooms of *Narcissus* var. *Soleil d'Or*. *Ann. Appl. Biol.* 58(2):193-201. Oct. 1966. 442.8 An72

- 32091 STUART, N. W., ASEN, S., and GOULD, C. J. Accelerated flowering of bulbous Iris after exposure to ethylene. *HortScience* 1(1):19-20. Winter 1966. SB1.H6
Iris tingitana tested.
- 32092 SUBRAMANIAN, S. S., MALHOTRA, A., and MURTI, V. V. S. Chemical examination of the barks of *Delonix elata* and *D. regia*. *Cur. Sci.* 35(17):437-438. Sept. 5, 1966. 475 Sci23
Ornamental and drug plants, respectively.
- 32093 SYTSEMA, W. CO₂ fertilizing of the carnation "White Sim." (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:40-41. 86 Aa4
- 32094 SYTSEMA, W. CO₂ fertilizing of the rose "Geheimrat Duisberg." (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:106-107. 86 Aa4
- 32095 SYTSEMA, W. Effects of growth inhibiting substances on *Azalea*. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:54-55. 86 Aa4
- 32096 SYTSEMA, W. Influence of spraying with B-9 on some shrubs for forcing. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:122-123. 86 Aa4
Lilac and Forsythia.
- 32097 SYTSEMA, W. Influencing flowering of *Vriesia splendens*. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:115-117. 86 Aa4
Effects of acetylene and 2-hydroxyethylhydrazine.
- 32098 SYTSEMA, W. Inhibition of growth of poinsettia through CCC and B-9. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:99-100. 86 Aa4
- 32099 SYTSEMA, W. Inhibition of growth of pot *Chrysanthemum* with B-9. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:64-67. 86 Aa4
- 32100 SYTSEMA, W. Temperature treatment of Nerine bulbs. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:94-95. 86 Aa4
- 32101 YAMADA, S. Triterpenoids from the leaves of *Ilex latifolia* Thunberg. *Chem. Soc. Jap. Bull.* 39(10):2313-2314. Oct. 1966. 385 T57B
- Physiology and Biochemistry - Vegetable and Truck Crops
- 32102 ASADA, K., TAMURA, G., and BANDURSKI, R. S. Cleavage of sulfite reductase into two non-dialyzable components and stimulation of reductase activity by nucleotides. *Biochem. Biophys. Res. Commun.* 25(5):529-534. Ref. Dec. 7, 1966. 442.8 B5236
From spinach.
- 32103 AVAKYAN, V. A., and others. Effect of X-rays on yields and chemical composition of potatoes. (Rus) *Radiobiologiya* 6(1):128-130. 1966. 442.8 R11
L. A. Gukasyan, I. Sh. Sisakyan, and S. O. Avakyan, joint authors.
- 32104 BARKER, G. R., and HOLLINSHEAD, J. A. Degradation of ribonucleic acid by extracts of germinating peas. *Nature* 212(5065):926-927. Nov. 26, 1966. 472 N21
- 32105 BUSHUEVA, T. M., and AZIMURATOVA, R. Z. Oxidative phosphorylation and absorption of calcium by pea seedling mitochondria. (Rus) *Fiziol. Rast.* 13(3):446-452. Ref. May/June 1966. 450 F58
English summary.
- 32106 COHAN, S. M., and WEIGLE, J. L. Chemically induced male sterility in onion (*Allium cepa*). *HortScience* 1(1):16. Winter 1966. SB1.H6
Tests with sodium alpha, beta-dichloroisobutyrate and Phosphon-D.
- 32107 COLLIN, G. H., CLINE, R. A., and MUCALOV, M. Influence of light and temperature on blotchy ripening of greenhouse tomatoes. *Ontario. Hort. Exp. Sta. Rep.* 1965:80-87. 1966. 101 On823
Review of the literature.
- 32108 COMMANDAY, L., and BRUNEL-CAPELLE, G. Effect of sulfur deficiency on some nitrogen compounds of *Lens culinaris* Med., during the first stage of development. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(12):872-875. Ref. Sept. 19, 1966. 505 P21
- 32109 CORNER, H. B., THOMSON, H., and JAY-YOESSI, M. S. Proximal dominance and plant production in bedded roots of the sweet potato, *Ipomoea batatas* Lam. *Amer. Soc. Hort. Sci. Proc.* 88:472-476. 1966. 81 So12
Physiological study.
- 32110 DELGA, A. M., and TOUZE, A. Repercussions of some macroelement deficiencies (S, Mg, P, K) on the metabolism of melon seedlings. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(12):876-877. Sept. 19, 1966. 505 P21
- 32111 DEXTER, S. T. Conditioning dry bean seed (*Phaseolus vulgaris* L.) for better processing quality and seed germination. *Agron. J.* 58(6): 629-631. Nov. Dec. 1966. 4 Am34P
- 32112 DOI, K., DOI, A., and NIKUNI, Z. On the nature of starch produced by spinach leaves on incubation with sucrose. *Starke* 18(9):281-284. Sept. 1966. 309 S122
- 32113 DRAGANOV, D., MURTAZOV, T., and KARTALOV, P. Effect of temperature on growth and development of reproductive organs in early tomatoes. (Bu) *Gradinarska Lozarska Nauk.* 2(1):71-80. Ref. 1965. 87 G75
German summary.
- 32114 DYSON, P. W., and HUMPHRIES, E. C. Modification of growth habit of *Majestic* potato by growth regulators applied at different times. *Ann. Appl. Biol.* 58(2):171-182. Ref. Oct. 1966. 442.8 An72
Gibberellic acid, CCC, and Bg.
- 32115 ENGELSMA, G. The influence of light of different spectral regions on the synthesis of phenolic compounds in gherkin [*Cucumis sativus*] seedlings in relation to photomorphogenesis. III. Hydroxylation of cinnamic acid. *Acta Bot. Neerl.* 15(2):394-405. Ref. Sept. 1966. 450 Ac822
- 32116 FILIUS, I. The effect of soil and air temperature on the germination of paprika. (Hu) *Budapest. Kerteszeti Szulesz. Foiskola. Kozlemenyei* 30(1):33-42. 1966. 80 B85
English summary.
- 32117 FILIUS, I. The effect of temperature on the efficiency of additional light in the plant growing of paprika. (Hu) *Budapest. Kerteszeti Szulesz. Foiskola. Kozlemenyei* 30(1):43-52. 1966. 80 B85
English summary.
- 32118 GAUSMAN, H. W., and BATTEESE, R. I. Some effects of manganese on potatoes and oats. *Maine Farm Res.* 14(2):37-39. July 1966. 100 M28Ma
- 32119 GAUSMAN, H. W., and others. Studies on a Linneus soil. *Maine Farm Res.* 14(2):30-32. July 1966. 100 M28Ma
P. N. Mosher, R. I. Batteese, and G. R. Cooper, joint authors.
Effects on potato growth.
- 32120 GEORGIEV, KH. Research into the radiosensitivity of tomato seeds to ionizing irradiation. (Bu) *Gradinarska Lozarska Nauk.* 2(2):177-184. 1965. 87 G75
English summary.
- 32121 GINSBURG, C. Effect of purine and pyrimidine bases and some analogues on the rhizogenesis and caulogenesis of plant tissues in vitro. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(12):868-871. Ref. Sept. 19, 1966. 505 P21
In Jerusalem artichoke.
- 32122 GONCHARIK, M. N., and IVANCHENKO, V. M. The photochemical activity of isolated chloroplasts from chlorine-poisoned and intact potato plants. (Rus) *Fiziol. Rast.* 13(3):429-432. Ref. May/June 1966. 450 F58
English summary.
- 32123 GREENWAY, H., GUNN, A., and THOMAS, D. A. Plant response to saline substrates. VIII. Regulation of ion concentrations in salt-sensitive and halophytic species. *Australian J. Biol. Sci.* 19(5):741-756. Ref. Oct. 1966. 442.8 Au72
Beans and Atriplex.
- 32124 HAWTHORN, L. R., KERR, L. B., and CAMPBELL, W. F. Relation between temperature of developing pods and seeds and scaled seeds in garden peas. *Amer. Soc. Hort. Sci. Proc.* 88:437-440. 1966. 81 So12

- 32125 HEWITT, E. J., and HUCKLESBY, D. P. Molecular exclusion chromatography of nitrite and hydroxylamine reductases from plants with reference to electron donor systems. *Biochem. Biophys. Res. Commun.* 25(6):689-693. Ref. Dec.19,1966. 442.8 B5236
Spinach and pumpkins.
- 32126 IMBERT, M. P., SEAFORTH, C. E., and WILLIAMS, D. B. The anthocyanin pigments of the sweetpotato *Ipomoea batatas* (L.) Lam. *Amer. Soc. Hort. Sci. Proc.* 88:481-485. Ref. 1966. 81 Sol2
- 32127 IVANOVA, T. M., DAVYDOVA, M. A., and RUBIN, B. A. On mitochondrial peroxidase and its possible role in oxidative processes. (Rus) *Biokhimiya* 31(6):1167-1173. Ref. Nov./Dec.1966. 385 B523
English summary.
Cabbage and cucumbers.
- 32128 JONARD, R. Study of the spontaneous restoration of Jerusalem artichoke tissues by partial irradiation technique. (Fr) *Acad. Sci. Comm. Rend. Ser. D*, 253(14):937-939. Oct.3,1966. 505 P21
- 32129 KHAN, A. A., and SAGAR, G. R. Distribution of ¹⁴C-labelled products of photosynthesis during the commercial life of the tomato crop. *Ann. Bot. (n.s.)*30(120):727-743. Ref. Oct. 1966. 450 An7
- 32130 KHRISTOV, S., MANUELYAN, KH., and KOVA-CHEV, A. Changes in the dry matter, sugars and coloration of the pods of redpepper varieties for grinding during their ripening. (Bu) *Gradinarska Lozarska Nauk.* 2(2):185-191. 1965. 87 G75
English summary.
- 32131 KISSMEYER-NIELSEN, E., MCCLENDON, J. H., and WOODMANSEE, C. W. Changes in amino acids and urea in the cultivated mushroom, *Agaricus bisporus*, as influenced by nutrient supplementation of the compost during the growth cycle. *J. Agr. Food Chem.* 14(6): 633-636. Ref. Nov./Dec.1966. 381 J8223
- 32132 KOŽINKA, V. The effect of high concentrations of growth substances on water uptake. *Biol. Plant.* 8(3):235-245. Ref. 1966. 450 B52
Peas and broadbeans.
- 32133 KRICKL, M. *Daucus carota* L.; study of seed viability, germination and variation of 1000-seed-weight. (Ge) *Saatgut-Wirtsch.* 18(4):128-134. (Cont.) Apr.1966. 61.8 Sal
- 32134 KRICKL, M. *Daucus carota* L.; study of seed viability, germination and variations of 1000-seed-weight. (Ge) *Saatgut-Wirtsch.* 18(5):166-171. May 1966. 61.8 Sal
- 32135 LENT, J. M., and SCARCHUK, J. The effects of soil applied borax on the yield and composition of some common vegetables. *Conn. (Storrs) Agr. Exp. Sta. Res. Rep.* 8,46 p. Ref., p.35-37. Apr.1966. 100 C76Re
- 32136 LOCASCIO, S. J., and FISKELL, J. G. Copper requirements of watermelons. *Amer. Soc. Hort. Sci. Proc.* 88:568-575. Ref. 1966. 81 Sol2
- 32137 MAILLE, M., and MOREL, G. Effect of photoperiod on the amino acid composition of carrot tissue in vitro. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(15):967-968. Oct.10,1966. 505 P21
- 32138 MAROTI, M. Relations between surface area, volume and phosphorus uptake in tissue cultures. (Ge) *Acta Bot.* 12(3/4):325-336. Ref. 1966. 450 Ac823
Studied on carrots and tobacco.
- 32139 MARTIN, F. W., and ORTIZ, S. Germination of sweet potato pollen in relation to incompatibility and sterility. *Amer. Soc. Hort. Sci. Proc.* 88:491-497. Ref. 1966. 81 Sol2
- 32140 MEAD, R. A quick method of estimating the standard deviation. *Biometrika* 53(3/4):559-564. Dec.1966. 442.8 B522
Cauliflower seedlings.
- 32141 MOKRONOSOV, A. T., and NEKRASOVA, G. F. Metabolic aspects of the transition states of photosynthesis during the induction period. (Rus) *Fiziol. Rast.* 13(3):385-397. Ref. May/June 1966. 450 F58
English summary.
Potatoes.
- 32142 MORGANTI, A., and SARFATTI, G. Action of Amino-1618 "growth retardant" on tomatoes. (It) *Bari. Univ. Fac. Agr. Ann.* 19:125-134. 1965, pub. 1966. 105.4 B232
English summary.
- 32143 OSTROVSKAYA, L. K., and others. Uptake, transport, and assimilation of iron in plants. (Rus) *Agrokhimiya* 1:100-108. Ref. Jan.1966. 385 Ag89
G. A. Ovcharenko, L. I. Rastorgueva, and S. G. Petrenko, joint authors.
Peas and proso.
- 32144 PAGE, E. R. Effects of ferrocene and related compounds on plant growth. *Nature* 212(5062): 640-641. Nov.5,1966. 472 N21
In Lemna minor and watercress.
- 32145 PENNER, D., and ASHTON, F. M. Proteolytic enzyme control in squash [*Cucurbita maxima*] cotyledons. *Nature* 212(5065):935-936. Ref. Nov.26,1966. 472 N21
- 32146 PHATAK, S. C., WITTWER, S. H., and TEUBNER, F. G. Top and root temperature effects on tomato flowering. *Amer. Soc. Hort. Sci. Proc.* 88:527-531. 1966. 1966. 81 Sol2
- 32147 PILET, P. E. Auxine-oxylase activity in vitro and in vivo. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2162-2163. Ref. 1965. 442.9 P21
Lens culinaris and beta-indolylacetic acid.
- 32148 PILET, P. E. Retroaction (feed-back) effect of oxidase hormones. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(12):864-867. Ref. Sept.19, 1965. 505 P21
In lentils.
- 32149 PRUMMEL, J. Spraying with phosphate and phosphate content of peas. (Du) *Peulvruchten Stud. Combinatie. Meerjarenpian Onderz. Akkerbouwpeulvruchten* 8:8-9. 1966. 60.38 P46
- 32150 RACUSEN, D., and FOOTE, M. Peroxidase isozymes in bean leaves by preparative disc electrophoresis. *Can. J. Bot.* 44(12):1633-1638. Ref. Dec.1966. 470 C16C
- 32151 SACIRAGIC, B. Interrelation between the amount of nitrogen, phosphorus and potassium in the surface parts of potatoes and their yields. (Se) *Agrohemija* 5/6:172-190. Ref. 1966. 385 Ag87
English summary.
- 32152 SEBANEK, J. The effect of amputation of the epicotyl on the level of endogenous gibberellins in the roots of pea seedlings. *Biol. Plant.* 8(6): 470-475. Ref. 1966. 450 B52
- 32153 SEBANEK, J. Interaction of indoleacetic acid with synthetic and native growth regulators during transfer of P into epicotyls of etiolated pea seedlings. *Biol. Plant.* 8(3):213-219. Ref. 1966. 450 B52
- 32154 SINGH, J. N., and MACK, H. J. Effects of soil temperatures on growth, fruiting, and mineral composition of snap beans. *Amer. Soc. Hort. Sci. Proc.* 88:378-383. Ref. 1966. 81 Sol2
- 32155 SPRENT, J. I. The effects of nutrient factors on the response of peas to gibberellic acid. *Ann. Bot. (n.s.)*30(120):779-790. Ref. Oct. 1966. 450 An7
- 32156 SPURNY, M. Spiral feedback oscillations of growing hypocotyl with radicle in *Pisum sativum* L. *Biol. Plant.* 8(5):381-392. Ref. 1966. 450 B52
Includes geotropism.
- 32157 STOJKOVSKA, A., and BOGOSLAVSKI, A. The effect of mineral fertilizers on the content of vitamin C in potatoes. (Se) *Agrohemija* 5/6: 196-204. Ref. 1966. 385 Ag87
English summary.
- 32158 STROUN, M., and others. Fate of bacterial deoxyribonucleic acid in *Lycopodium obscurum*. *Nature [London]* 212(5060):397-398. Oct.22,1966. 472 N21
P. Anker, P. Charles, and L. Ledoux, joint authors.
- 32159 TOMPKINS, D. R. Broccoli maturity and production as influenced by seed size. *Amer. Soc. Hort. Sci. Proc.* 88:400-405. 1966. 81 Sol2

- 32160 TYIAK, E., GULYAS, A., and JUHASZ, K. Production problems of bush redpepper (*Capsicum annuum* L.) protoalkaloids. (Ge) *Herba Hung.* 5(2/3):225-230. Ref. 1966. 71.8 H413
- 32161 VASIL, I. K., and HILDEBRANDT, A. C. Variations of morphogenetic behavior in plant tissue cultures. I. *Cichorium* *ediviva*. *Amer. J. Bot.* 53(9):860-869. Ref. Oct. 1966. 450 Am36
- 32162 WATANABE, K., KODAMA, T., and NOMOTO, T. Studies on the effect of soil physical conditions on the growth and yield of crop plants. 4. Effects of the different soil structure on some physiological characters of sweet potato (Ja) *Crop Sci. Soc. Japan. Proc.* 34 (4):409-412. June 1966. 22.5 C88
English summary.
- 32163 WEEKS, W. W., and HEDIN, P. A. Amino acids in male sterile and normal watermelons. *Amer. Soc. Hort. Sci. Proc.* 88:564-567. 1966. 81 Sol2
- 32164 WELCH, N. C. Effects of heating and cutting roots on sweet potato sprout production. *Amer. Soc. Hort. Sci. Proc.* 88:477-480. Ref. 1966. 81 Sol2
- 32165 WELLS, J. R. E. Resolution of three forms of plastocyanin by starch-gel electrophoresis. *Nature* 212(5065):896-898. Nov. 26, 1966. 472 N21
Observed in beans.
- 32166 WILCOX, G. E. Tomato seedling response to phosphorus rate and placement of fertilizer bands. *Amer. Soc. Hort. Sci. Proc.* 88:521-526. 1966. 81 Sol2
- 32167 WONG, K. F., and COSSINS, E. A. Resolution of aspartate aminotransferase from a higher plant source. *Biochem. Biophys. Res. Commun.* 25(6):651-656. Ref. Dec. 19, 1966. 442.8 B5236
From peas.
- 32168 ZUTSHI, U. The transference of solasodine from *Solanum incanum* to *S. melongena*. *Cur. Sci.* 35(17):439. Sept. 5, 1966. 475 Sci23
- Physiology and Biochemistry of Miscellaneous Economic Plants (Coffee, Tea, Cocoa, Etc.)**
- 32169 ABOU-CHAAR, C. I., and DIGENIS, G. A. Alkaloids of an *Ipomoea* seed commonly known as *Kaladana* in Pakistan. *Nature* 212(5062):618-619. Nov. 5, 1966. 472 N21
- 32170 ACHENBACH, H. O-demethylpalosin, a new alkaloid from *Tabernaemontana amygdalifolia*. (Ge) *Tetrahedron Lett.* 41:5027-5030. Oct. 1966. 385 T29
- 32171 ALDAY-REDONNET, T. Cardenolide and digitanol glucosides extracted from various species of *Digitalis*; their discovery, cardiotonic activity, and toxicity. (Sp) *Pharmacologia* 25(1/2):1-50. Jan./June 1965. 396.8 F222
Bibliography, p. 39-50.
- 32172 BAYER, I. Testing of alkaloids with the help of thin-layer chromatography. (Ge) *Herba Hung.* 5(2/3):81-83. 1966. 71.8 H413
Drug plants.
- 32173 BHATNAGAR, S. O. D., and KHARE, M. P. Cardioactive glycosides from *Melodinus monogynus* Roxb. *Cur. Sci.* 35(19):489-490. Ref. Oct. 5, 1966. 475 Sci23
- 32174 BOHLMANN, F., KOHN, S., and ARNDT, C. Polyacetylene compounds. CXIV. The polyenes of the genus *Carthamus* L. (Ge) *Chem. Ber.* 99(11):3433-3436. Nov. 1966. 384 B45
- 32175 BOJTHE, MRS. H. K., VARGA, MRS. B. M., and CLAUDE, O. Data on the biogenesis of the pyridocantin-frame alkaloids of *Vinca minor* L. (Hu) *Herba Hung.* 5(2/3):55-56. 1966. 71.8 H413
German summary.
- 32176 BOLHUIS, G. G. Influence of length of the illumination period on root formation in cassava, *Manihot utilisima* Pohl. *Neth. J. Agr. Sci.* 14(4):251-254. Nov. 1966. 12 N3692
- 32177 CHERNYKH, N. A. Lily of the valley (*Convallaria majalis* L.) and the problems of its investigation. (Rus) *Rastitel. Resursy* 1(2):278-283. Ref. 1965. 450 R18
As drug plant.
- 32178 CHISHOLM, M. D., and WETTER, L. R. Biosynthesis of mustard oil glucosides. VII. *Can. J. Biochem.* 44(12):1625-1632. Ref. Dec. 1966. 470 C16E
In *Ammoracia lapathifolia*.
- 32179 CONSTANTINE, G. H., and others. Phytochemical investigation of *Arctostaphylos columbiana* Piper and *Arctostaphylos patula* Greene (Ericaceae). *J. Pharm. Sci.* 55(12):1378-1382. Ref. Dec. 1966. 396.8 J825
P. Catalfomo, K. Sheth, and L. A. Sciuchetti, joint authors.
- 32180 COSSOM, L. The effect of light on the alkaloid content of *Datura*; biogenetic action of alkaloids. (Fr) *Herba Hung.* 5(2/3):157-160. 1966. 71.8 H413
- 32181 FEHR, T., ACKLIN, W., and ARIGONI, D. The role of the chanoelavines in the biosynthesis of ergot alkaloids. *Chem. Commun.* 21:801-802. Nov. 9, 1966. 382 C4223
Claviceps strain.
- 32182 GUBANOV, I. A. *Delphinium* L. as a source of drug preparations. (Rus) *Rastitel. Resursy* 1(2):242-245. Ref. 1965. 450 R18
- 32183 HULTIN, E. Thin-layer chromatography of plant extracts. IV. Alkaloids. *Acta Chem. Scand.* 20(6):1588-1592. Ref. 1966. 385 Ac82
- 32184 IVANYI, MRS. S. Effect of site on the morphine content of some poppy species in variety trials. (Hu) *Herba Hung.* 5(2/3):167-171. 1966. 71.8 H413
German summary.
- 32185 IYENGAR, M. A., and PENDSE, G. S. *Plumbago zeylanica* L. (Chitrak) a gastrointestinal flora normaliser. *Planta Med.* 14(3):337-351. Ref. Aug. 1966. 450 P697
Excerpt from thesis.
Includes effect on *Escherichia coli* in the intestines of mice.
- 32186 JARBOE, C. H., and others. Uterine relaxant properties of *Viburnum*. *Nature* 212(5064):837. Ref. Nov. 19, 1966. 472 N21
C. M. Schmidt, J. A. Nicholson, and K. Z. Zirvi, joint authors.
Viburnum opulus and *V. prunifolium*.
- 32187 KARMAZIN, M., MICHAL, K., and SUK, V. Changes of anthraquinone content in the roots of cultivated medicinal rhubarb [Rheum officinale]. (Ge) *Herba Hung.* 5(2/3):131-134. 1966. 71.8 H413
- 32188 KWI, S. N. Studies of oil palm seeds. *Malayan Agr.* 5:12-17. 1964/65. 22.5 K952
Germination
- 32189 KYBAL, J. Role of nutrition on the development and alkaloid biosynthesis of *Claviceps purpurea* (Fr.) Tul. (Ge) *Herba Hung.* 5(2/3):65-66. 1966. 71.8 H413
- 32190 LABRIOLA, R. A., and GIACOPPELLO, D. The alkaloids of the stem and root of *Bocconia perarcei* Hutch. (Sp) *Assoc. Quim. Argent. An.* 54(1/2):15-27. Ref. Mar./June 1966. 385 SolA
English summary.
- 32191 LALITHA, V. R., SRIMANNARAYANA, G., and SUBBA RAO, N. V. Structure of *Mundulea lactone* isolated from the roots of *Mandula suberosa*. *Cur. Sci.* 35(16):410-411. Aug. 20, 1966. 475 Sci23
- 32192 LEMLI, J. New data on the anthracene derivative chemistry of drug plants. (Fr) *Herba Hung.* 5(2/3):198-204. 1966. 71.8 H413
- 32193 MICHAL, K., and VRANYI, J. The effect of some chemicals on the glycoside content in the leaves of *Digitalis lanata* Ehrh. (Ge) *Herba Hung.* 5(2/3):178-182. 1966. 71.8 H413
- 32194 MOLLOV, N., and others. Alkaloids of some species of *Gentiana*. (It) *Riv. Ital. Essenze Profumi - Pianta Offic. - Aromi - Saponi - Cosmet. - Aerosol* 48(9):558-559. Ref. Sept. 1966. 308.8 R52
N. Marekov, S. Popov, and B. Kouzmanov, joint authors.

- 32195 MURAV'eva, D. A. Changes of the N-oxides of alkaloids of the industrial varieties of Senecio during vegetation period. (Rus) Herba Hung. 5(1):127-135. Ref. 1966. 71.8 H413 German summary.
- 32196 NORDAL, A., and RESSER, D. The non-volatile acids of succulent plants exhibiting a marked diurnal oscillation in their acid content. III. The acids of *Kleinia repens* (L.) Haw., *Begonia tuberhybrida* (Hort) and *Mesembryanthemum tubiflorum* L. fil. Acta Chem. Scand. 20(7): 2004-2007, 1966. 385 Ac82
- 32197 OSTROVSKIY, N. I., and BAN'KOVSKAYA, A. N. Ergot of wild cereals and hybrid plants as possible material for the selection of strains of *Claviceps purpurea* Tul. U. S. Joint Publ. Res. Serv. Transl. Med. Prom. SSSR (Med. Indus. USSR) 9:6-10. Dec. 31, 1964. (JPRS 28,068: TT 65-30025) 173 J663Tnp Analysis of alkaloids.
Translation from Meditsinskaya Promyshlennost' SSSR 9:46-48, 1964.
CFSTI S100.
- 32198 PAKRASHI, S. C. Chemical investigation of root-bark and stem-bark of *Alangium lamarkii* Thwaites—a correction. Cur. Sci. 35(18): 468-469. Ref. Sept. 20, 1966. 475 Sci23
- 32199 PARIS, R. Determination of most important active ingredients of drug plants during breeding. (Fr) Herba Hung. 5(2/3):75-80. Ref. 1966. 71.8 H413
- 32200 PARIS, R. R., and FAUGERAS, G. Evaluation of morphine in capsules of native poppies with the aid of thin-layer chromatography. (Fr) Ann. Pharm. Franc. 24(9/10):613-616. Sept./Oct. 1966. 396 8 An7
- 32201 PIGULEVSKII, G. V., KOVALEVA, V. I., and MOTZKUS, D. V. Investigation of essential oils obtained from the fruits of wild carrot *Daucus carota* L., collected in different locations. (Rus) Rastitel. Resursy 1(2):227-230. 1965. 450 R18
- 32202 PSENAK, M., JINDRA, A., and KOVACS, P. Study of heterosides in *Geum urbanum*. Herba Hung. 5(2/3):161-166. Ref. 1966. 71.8 H413
- 32203 ROVESTI, P. Orthoderminally functional plant compounds. (It) Riv. Ital. Essenze—Profumi—Plante Offic.—Aromi—Saponi—Cosmet.—Aero-sol 48(9):561-563. Sept. 1966. 308.8 R52
- 32204 ROWLAND, H. L., and GIBSON, M. R. Role of ascorbic acid oxidase in the hyoscyamine—scopolamine ratio in *Datura innoxia*. J. Pharm. Sci. 55(12):1354-1357. Ref. Dec. 1966. 966 8 J825
- 32205 SANDBERG, F., and others. Erythrophleguine, a new alkaloid from the bark of *Erythrophleum guineense* (G. Don). Herba Hung. 5(2/3):61-64. 1966. 71.8 H413
T. Norin, O. Lindvall, and R. Thorsen, joint authors.
- 32206 SARKANY, S., and others. Study of the formation of alkaloid in *Papaver somniferum* L. in relation to tissue structure and organ differentiation. I. (Hu) Herba Hung. 5(2/3):40-50. Ref. 1966. 71.8 H413
Mrs. R. Verzar, Mrs. A. Michels, and Mrs. S. Sarkany, joint authors.
German summary.
- 32207 STAIKOV, V. M., and CHINGOVA, B. G. Study of the dynamic of essential oil in the flower of lavender. (Rus) Herba Hung. 5(1):117-126. Ref. 1966. 71.8 H413
German summary.
- 32208 VACULIK, P., SINDELAR, L., and MAKOVCOVA, O. On the effects of some combinations of pyridine compounds on the growth of *Sinapis alba* L. (Ge) Biol. Plant. 8(3):220-228. Ref. 1966. 450 B52
- 32209 WADA, K., MARUMO, S., and MUNAKATA, K. An insecticidal alkaloid, cocculiolide. Tetrahedron Lett. 42:5179-5184. Oct. 1966. 385 T29
From *Cocculus trilobus*.
- 32210 YANKULOV, I. K. Some peculiarities of foam formation of triterpene saponin containing plants. (Rus) Herba Hung. 5(1):137-151. Ref. 1966. 71.8 H413
German summary.
- 32211 YOSIOKA, I., and others. Theasapogenol B (—barringtonol C), the second major triterpene alcohol from the seeds saponin of *Thea sinensis* L. Tetrahedron Lett. 48:5973-5978. Dec. 1956. 385 T29
T. Nishimura, A. Matsuda, and I. Kitagawa, joint authors.
- 32212 ZAKIROV, K. Z., MOTKHIN, I. N., and CHEV-RENDI, S. KH. Turkestanskiy myl'nyy koren': voprosy biologii i puti vvedeniya v kul'turu [Spinepink [*Acanthophyllum gypsophilioides*]: study of biology and methods of cultivation]. Tashkent, Nauka, 1965. 108 p. Ref. SB317.S223
As economic plant.
- 32213 ZIMMERMANN, M. H. Translocation of water and nutrients in palms. Principles 10(4):105-114. Ref. Oct. 1966. 80 P932
- 32214 ZSADON, B. Contribution to the problem of production of narcotoline from poppy capsules. (Ge) Herba Hung. 5(2/3):205-210. Ref. 1966. 71.8 H413

Physiology and Biochemistry of Forest Trees

- 32215 DICKSON, D. A. The effect of nitrogenous and phosphatic fertilisers on the growth of checked trees on deep peat. Northern Ireland Rec. Agr. Res. 14(2):61-71. Ref. 1955. 10 N81R
Contorta pine and Sitka spruce.
- 32216 DIGBY, J., and WAREING, P. F. The relationship between endogenous hormone levels in the plant and seasonal aspects of cambial activity. Ann. Bot. (n.s.) 30(120):607-622. Ref. Oct. 1966. 450 An7
Trees.
- 32217 DRIESCHKE, R. VAN DEN, and WAREING, P. F. Dry-matter production and photosynthesis in pine [*Pinus*] seedlings. Ann. Bot. (n.s.) 30(120):673-682. Ref. Oct. 1966. 450 An7
Nutrition study.
- 32218 DRIESCHKE, R. VAN DEN, and WAREING, P. F. Nutrient supply, dry-matter production and nutrient uptake of forest tree seedlings. Ann. Bot. (n.s.) 30(120):657-672. Ref. Oct. 1966. 450 An7
- 32219 FAULKNER, R. A review of flower induction experiments and trials 1948—63. Great Brit. Forest. Comm. Rep. Forest Res. 1965:207-219. 1966. 99.9 G795Re
Coniferae.
- 32220 GAGNON, J. D. Free amino-acid content in needles of *Abies balsamea* and *Picea mariana* growing on different sites. Nature 212(5064): 844. Nov. 19, 1966. 472 N21
- 32221 GILMORE, A. R. Survival of transplanted yellow-poplar seedlings and root food reserves. Ill. State Acad. Sci. Trans. 59(4):405-406. 1966. 500 IL6
- 32222 GOWIN, T. The research in summer and winter rest period of poplar. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Lesnictwo 7:39-54. Ref. 1965. 99.9 W202
English summary.
- 32223 GREGUSS, L. The effect of environment on the germination of pollen of elms. (Cz) Biologia [Bratislava] 21(11):813-820. Ref. 1966. 442.8 B5265
German summary.
Ulmus carpinifolia, *U. effusa* and *U. montana*.
- 32224 GUZEEVA, M. A., and POLUYAKHTOV, K. K. Effect of growth stimulants on oak seedlings under conditions of southern Gorki Region. (Rus) Les. Zh. 3:13-17. 1965. 99.8 Iz8
Quercus robur.
- 32225 HINSON, W. H., KITCHING, R., and FOURT, D. F. Soil moisture, climate and tree growth. Great Brit. Forest. Comm. Rep. Forest Res. 1965:54-58. 1966. 99.9 G795Re
- 32226 HOFFMANN, G. Growth of deep going roots and of fine ones, observed with some tree species. (Ge) Arch. Forstwesen 15(6):825-856. Ref. 1966. 99.8 Ar22
English summary.

- HOFFMAN, G. Relations between growth of seedlings and formation of rootlets during the youth development of *Robinia pseudacacia* L. (Ge) Arch. Forstwesen 15(5/6):585-589, 1966, 99.8 Ar22
English summary.
- HOLMSGAARD, E., and OLSEN, H. C. Experimental induction of flowering in beech [*Fagus sylvatica*]. With an epilogue, by C. Syrach Larsen. Denmark. Forstl. Forsøgskomm. Forstl. Forsøgsv. Denmark 30(1):1-17, 1966, 99.9 D41
Effects of drought.
- HOWARD, J. A. Spectral energy relations of isobilateral leaves. Australian J. Biol. Sci. 19 (5):757-766, Ref. Oct.1966, 442.8 Au72
Spectrophotometric study of Eucalyptus.
- KEFELI, V. I., and TURETSKAYA, R. KH. Localization of natural phenolic inhibitors in the cells of willow [*Salix rubra*] leaves. (Rus) Akad. Nauk SSSR. Dokl. 170(2):472-475, 1966, 511 P444A
- KRUGMAN, S. L., and STONE, E. C. The effect of cold nights on the root-regenerating potential of ponderosa pine seedlings. Forest Sci. 12(4):451-459, Ref. Dec.1966, 99.8 F7632
- LANNER, R. M. The phenology and growth habits of pines in Hawaii. U. S. Forest Serv. Res. Paper PSW-29,25 p. Ref. p.24-25, 1966, A99.9 F7652P
- LAVENDER, D. P., and CARMICHAEL, R. L. Effect of three variables on mineral concentrations in Douglas-fir needles. Forest Sci. 12(4):441-446, Ref. Dec.1966, 99.8 F7632
Nutrient status based on foliar analyses.
- LEYTON, L., REYNOLDS, E. R. C., and THOMPSON, F. B. Water relations of trees and forests. Great Brit. Forest. Comm. Rep. Forest Res. 1965:119-123, 1966, 99.9 C795Re
- LOGAN, K. T. Growth of tree seedlings as affected by light intensity. II. Red pine, [eastern] white pine, jack pine and eastern larch. Can. Dep. Forest. Publ. 1160,19 p. Ref. 1966, 99.9 C1628P
- MAINI, J. S. Apical growth of *Populus* spp. II. Can. J. Bot. 44(11):1581-1590, Ref. Nov.1966, 470 C16C
Populus tremuloides.
- MAKHNEV, A. K. Interrelations between European white birch and pubescent birch, and the productivity of their individual forms, in connection with phenological features. (Rus) Les. Zh. 3:29-33, Ref. 1965, 99.8 I28
Betula pendula and *B. pubescens*.
- MCCLURE, H. E. Flowering, fruiting and animals in the canopy of a tropical rain forest. Malayan Forest. 29(3):182-203, July 1966, 99.8 M292
Chiefly on fruiting and flowering date.
- MCILWAIN, D. L., and BALLOU, C. E. Characterization of the phospholipids in *Pinus ponderosa* pollen. Biochemistry 5(12):4054-4061, Ref. Dec.1966, 381 B523
- MOORE, K. G. Senescence in leaves of *Acer pseudoplatanus* L. and *Parthenocissus tricuspidata* Planch. II. Changes in potassium and sodium content in leaves and leaf discs of *Acer*. Ann. Bot. (n.s.)30(120):683-699, Ref. Oct. 1966, 450 An7
- MOREY, P. R., and CRONSHAW, J. Induced structural changes in cambial derivatives of *Ulmus americana*. Protoplasma 62(1):76-85, Ref. 1966, 442.8 P94
Studied with TIBA, TCPA, and TCBA.
- MORRISON, T. M., and HEINE, R. W. Transport of minerals in tree xylem. Ann. Bot. (n.s.) 30(120):807-819, Ref. Oct.1966, 450 An7
Populus nigra.
- MUHLRADT, P., WEISS, E., and REICHSTEIN, T. Cardenolide of the seeds of *Antiaris toxicaria* Lesch. 2. Glycoside and aglycons. 259. (Ge) Justus Liebig's Ann. Chem. 685:253-261, Ref. 1965, 384 An7
- OKSBERG, E. Water balance of Coniferae with some transpiration measurements of Norway spruce, Douglas fir and Sitka spruce. (Da) Hedeselsk. Tidsskr. 87(14):377-389, (Cont.) Nov.15,1966, 11 H35
- PHARIS, R. P., and FERRELL, W. K. Differences in drought resistance between coastal and inland sources of Douglas fir. Can. J. Bot. 44(12):1651-1659, Dec.1966, 470 C16C
- RANGELOV, K. N. The method of investigation of root pressure in tree species. 4 p. (TT 66-31092) Transl. 16289
Forest trees.
Translation from Bolgarska Akademiyana na Naukite. Doklady 14(4):381-384, 1961, CFSTI: \$1.00.
- ROUSSEL, L. Natural radiation of forests or the elements of forest photology. (Fr) Soc. Forest. Franche-Comte Prov. Est. Bull. Trim. 33(2):27-38. (Cont.) June 1966, 99.9 S04
Chiefly measurement of solar radiation and its effects on forests.
- ROY, D. F. Silvical characteristics of redwood (*Sequoia sempervirens* [D. Don] Endl.). U. S. Forest Serv. Res. Paper PSW-28,20 p., map. Ref. p.14-16, 1966, A99.9 F7652P
Chiefly physiology.
- SAFAROV, I. S. *Pinus eldarica* Medw.-biological and ecological features. (Rus) Les. Zh. 2:34-38, Ref. 1965, 99.8 I28
- SANADZE, G. A., and KALANDADZE, A. N. Light and temperature curves for evolution of C5H8 [cyclopentene]. (Rus) Fiziol. Rast. 13 (3):458-461, May/June 1966, 450 F58
English summary.
From poplar tree leaves.
- SANTAMOUR, F. S. Anthocyanins of conelets in the Pinaceae. Forest Sci. 12(4):429-431, Dec.1966, 99.8 F7632
- STEINBECK, K., and MCALPINE, R. G. Inter- and intra-specific differences in the root respiration rates of four hardwood species. Forest Sci. 12(4):473-476, Dec.1966, 99.8 F7632
- STEWART, C. M. The chemistry of secondary growth in trees: including related biochemical, botanical, and biophysical aspects. Australia Commonwealth Sci. Indus. Res. Organ. Div. Forest Prod. Technol. Pap. 43,107 p. Ref. 1966, 99.9 Au75
Bibliography, p.97-107.
- TOY, S. J. A method for evaluating autumn leaf coloration in the purplebaw maple, *Acer truncatum* Bunge. Amer. Soc. Hort. Sci. Proc. 88:708-712, 1966, 81 S012

AGRONOMY (FIELD CROPS)

- BOCKELMAN, P. O. Aland's Experimental Station [Alands Forsöksstation]. (Sw) Tidsskr. Lantman Andelsfolk 13:14:327-329, July 1965, 20 T43
Agronomy.
- BROUWER, W. Opinion and prejudice in plant breeding. (Ge) Deut. Landwirt.-Ges. Pflanzenzucht. Vortr. Pflanzenzucht 9:79-97, 1965, 451 D485
Field crops.
- CHAKRAVARTY, R. K., and others. Soil moisture studies in the terraced land to explore its utility for "rabi" cultivation in the upper catchment of Damodar Valley. J. Soil Water Conserv. India 14(1/2):27-32, Jan./June 1966, 56.8 J824
R. D. Vasudevaiah, D. P. Gupta, and S. P. S. Teotia, joint authors.
- Effects of tillage and drainage on yields.
- DANILEVSKII, A. F. Increasing effectiveness of fertilizers in rotation of crops. (Rus) Zemledelie 11:36-37, Nov.1966, 20 Z44
Field crops.
- DECULESCU, S. Economic utilization of sandy soils of the southeastern Oltenia. (Rum) Probl. Agr. [Bucharest] 18(10):82-89, Oct. 1966, 21 R862
Chiefly planting and yields of field crops and fruit trees.
- DINCA, D., and TABARANU, T. New agro-technical and agrochemical aspects of the crop rotation system with short alterations and with different proportions of wheat and corn in the zone of Brown Reddis. Forest soils. (Rum) Probl. Agr. [Bucharest] 18(9):7-19, Ref. Aug. 1966, 21 R322
English summary.

- 32261 DUBLIN, AN FORAS TALUNTAIS, PLANT SCIENCES AND CROP HUSBANDRY DIV. Research report, 1965, Dublin, 1966? 23 p. 103 D852
Agronomy.
- 32262 EREDICS, J. Utilization of seedling growing areas. (Hu) Kerteszet Szolcs. 15(22):18-19. Nov. 1966. 80 K474
With crop rotation and interplanting.
- 32263 GEISENHEIM, BUNDESANSTALT FÜR QUALITÄTSFORSCHUNG PFLANZLICHER ERZEUGNISSE, Jahresbericht [Annual report], 1965, Geisenheim, 1966. 26 p. 389.9 G27
Chiefly cultural research on field and horticultural crops.
- 32264 KOPETZ, L. M. Crisis-free plant production. (Ge) Forderungsdienst 14(8):253-258. Aug. 1966. 19 F75
Culture of field and horticulture crops in Austria.
- 32265 LARSSON, N. G., and MANSSON, S. E. Hydro-technical research, tillage research, crop rotation trials, field crop trials in 1965. (Sw) Malmöhus Lans Hushallningsallsk. Kvartalskr. 1:71-104. 1966. 11 M29
Chiefly variety trials.
- 32266 NIESCHULZ, A. Wishes of the farmer in respect of plant-breeding and seed production. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)44(3):558-567. 1966. 18 G31
English summary
Field crops.
- 32267 NISSEN, J. G. Education of agronomists and agriculture. (Da) Tolvmandsbladet 38(10):530-531. Oct. 1966. 11 T58
Comments by G. F. Nielsen, p.531-532.
- 32268 NORSKE MYRSELSKAP, FORSKSSTASJONEN PA MAERESMYRA. Report for 1965. (No) Norske Myrseelsk. Medd. 64(2):52-54. Apr. 1966. 11 N813
Chiefly crop culture.
- 32269 NOSOV, D. Crop rotation with overseeding of grasses during the year. (Rus) Zemledelie 10:15-16. Oct. 1966. 20 Z44
- 32270 PANNIKOV, V. D. Principal points of theory and practice of the agronomy. (Rus) Zemledelie 10:2-10. Oct. 1966. 20 Z44
- 32271 PATEL, D. A. Statistical hypothesis and decision-making in agriculture field experiments. Agr. Situation India 21(4):207-210. July 1966. 281.9 Iu23
- 32272 PEULVRUCHTEN STUDIE COMBINATIE. De peulvruchten studie combinatie in 1965 [The Legume Study Group in 1965]. Wageningen, 1966? 69 p. 60.39 P46
- 32273 PEULVRUCHTEN STUDIE COMBINATIE. Meerjarenplan voor onderzoek akkerbouwpeulvruchten; verslag over het achste jaar [The long-term plan for field legume research; report on the 8th year], 1965. Wageningen, 1966? 30 p. 60.38 P46
- 32274 POPOV, P., and MACHEV, S. New varieties of field-crop plants. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:9-16. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Bulgaria.
Translation from Kooperativno Zemedelie. 9/10:2-5. Sept./Oct. 1966.
Issued by CFSIL.
- 32275 RUINARD, J. Notes on the importance of proper husbandry in some tropical crops. Neth. J. Agr. Sci. 14(4):263-279. Nov. 1966. 12 N3892
Culture of cocoa, groundnuts, and maize in Ghana.
- 32276 SHININ, V. I. Studying while working. (Rus) Zemledelie 10:62-63. Oct. 1966. 20 Z44
Agronomy.
- 32277 SMITH, I. D. New crop varieties to fit the space age. Doane's Agr. Rep. 30(2):16-18. Jan. 8, 1967. 281.8 D652
Chiefly field crops; includes breeding and yields.
- 32278 SOBKO, A. A., GORYANSKI, M. M., and OSTAPOV, V. I. Crops structure and rotation. (Rus) Zemledelie 10:12-14. Oct. 1966. 20 Z44
Field crops.
- 32279 SOUTHERN RHODESIA. MINISTRY OF AGRICULTURE. DEPT. OF RESEARCH AND SPECIALIST SERV. Recommended variety list for the more important crops in Rhodesia. Rhodesia Agr. J. 63(4):82-85. July/Aug. 1966. 24 R34
Field crops and vegetables.
- 32280 STURKIE, D. G. Rotations increase yields of cotton, corn and oats. Highlights Agr. Res. [Ala. Sta.] 13(4):11. Winter 1966. 100 AL1H
- 32281 SURINAM, LANDBOUWPROEFSTATION. Gids tot de proeftuinen [Guide to the test gardens]. Surinam. Landbouwproefsta. Mededel. 41, 23 p., map. Aug. 1966. 102.5 D95
Research in field and horticultural crops.
- 32282 UGERUP. FORSOKSTATIONEN. Vagledning for besokande vid Forsoksstationen och Lantbrukshogskolans Egendom, Ugerup [Guide for visitors to the Experimental Station and Agricultural College Farm, Ugerup]. n.p., 1966. 41 p. 11 G24L
Field crop culture.
- 32283 VAN DEN ASSEM, M. C. 25 years fieldcrop seeds and seedpotatoes. Zaadbelangen 20(18):410-411. Sept. 30, 1966. 61.8 Z1
Text also in Dutch, p.402-404; in French, p.405-406; in German, p.407-409.
Plant breeding and seed industry.
- 32284 WAGENINGEN. INSTITUUT VOOR BIOLOGISCH EN SCHEIKUNDIG ONDERZOEK VAN LANDBOUWGEWASSEN. Jaarverslag [Annual report of the Institute of Biological and Chemical Research on Field Crops and Herbage], 1965. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 300, 36 p. 1965? 60.9 W123
- 32285 ZAPLETIN, V., and LOPYREV, M. Allocating crop rotation. (Rus) Zemledelie 11:20-23. map. Nov. 1966. 20 Z44

Cereals

- 32286 AKINBODE, B. O. Late maize variety/planting date trial in Western Nigeria. Sols Afr. 11(1/2):229-233. Jan./Aug. 1966. 56.8 So4
Text also in French, p.235-239.
- 32287 ANDRASI, GY. Developmental possibilities in barley culture. (Hu) Magyar Mezőgazdaság 21(48):9-10. Nov. 30, 1966. 19 M27
- 32288 ANDREWS, D. J., CURTIS, D. L., and WEBSTER, O. J. Sorghum improvement in Northern Nigeria. Sols Afr. 11(1/2):89-112. Jan./Aug. 1966. 56.8 So4
Text also in French, p.113-138.
Includes discussion.
- 32289 ANTONIANI, C. What are the wheat varieties best adapted to late planting or directly in March. (It) Raccolto 7(11):177-181. Nov. 30, 1966. 16 R11
- 32290 BEDETTI, G. The 1965-66 grain season. (It) Agr. Ferrarese 70(7):129-134. July 31, 1966. 16 Ag87
Culture and yields.
- 32291 BEZOT, P. Improvement of varieties and cereal management practices in Chad. Sols Afr. 11(1/2):341-346. Jan./Aug. 1966. 56.8 So4
Text also in French, p.335-340.
Includes discussion.
- 32292 BOEHNCKE, F. H. Limits to the amount of grain crop rotations. (Ge) Mitt. Deut. Landwirt.-Ges. 81(44):1628-1629. Nov. 3, 1966. 18 N39
- 32293 BREDDT, H. Results of tests on planting date and density of winter wheat grown under conditions of the forest steppe of Transylvania. (Rum) Probl. Agr. [Bucharest] 18(10):14-23. Oct. 1966. 21 R862
English summary.
- 32294 BRENGLE, K. G., and SITLER, H. G. A procedure for projecting yields for linear programming of dryland wheat farms in eastern Colorado. Agron. J. 58(6):637-638. Nov./Dec. 1966. 4 Am34P

- 32295 BREZHNEV, D. D., and DOROFEEV, V. F. Varietal resources of wheat, rice and corn as initial breeding stock suitable for irrigated conditions. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 7:1-13. Ref. July 1966. 20 V633 English summary.
- 32296 BRIGGLE, L. W. Three loci in wheat involving resistance to *Erysiphe graminis* f. sp. tritici. *Crop Sci.* 6(5):461-465. Ref. Sept./Oct. 1966. 64.8 C883 Breeding.
- 32297 CACKETT, K. E. Winte: irrigated wheat in the lowveld, Rhodesia Agr. J. 63(1):6-8. Jan./Feb. 1966. 24 R34 Chiefly culture.
- 32298 CHINWUBA, P. M. Problems of expanding maize production in Nigeria. *Sols Afr.* 11 (1/2):201-206. Jan./Aug. 1966. 56.8 So4 Text also in French, p.207-212. Includes discussion.
- 32299 CORBA, J. Results of tests with spring barley varieties. (Cz) *Pol'nohospodarstvo* 12(11): 868-871. 1966. 19.5 P752
- 32300 DIELEMAN, M. Supply of grain seed and field crop varieties in the German Democratic Republic. (Du) *Zaadbelaug* 20(15):291-292. (17):347-348,350. Aug. 15, Sept. 15, 1966. 61.8 Z1
- 32301 DUMONT, C. Breeding of grain sorghum in Upper Volta. *Sols Afr.* 11(1/2):321-333. Jan./Aug. 1966. 56.8 So4 Text also in French, p.307-320. Includes discussion.
- 32302 DUMONT, S. Millets and sorghums grown in East Niger. (Fr) *Agron. Trop.* [Paris] 21(8): 883-917, map. Aug. 1966. 26 Ag86 English summary. Varieties.
- 32303 EBERHART, S. A. Maize breeding in Kenya. *Sols Afr.* 11(1/2):399-411. Jan./Aug. 1966. 56.8 So4 Text also in French, p.413-428. Includes discussion.
- 32304 EGOROV, N. The strong wheat variety. (Rus) *Zemledelie* 11:19. Nov. 1966. 20 Z44
- 32305 ELIAS, F. D. A wheat variety trial at Melsert. Rhodesia Agr. J. 63(5):105. Sept./Oct. 1966. 24 R34
- 32306 ETASSE, C. Improvement of Pennisetum millet at the Bamby C.R.A. (Senegal). *Sols Afr.* 11(1/2):269-275. Jan./Aug. 1966. 56.8 So4 Text also in French, p.261-267. Includes discussion.
- 32307 EVATT, N. S. High annual yields of rice in Texas through ratoon or double-cropping. *Rice J.* 69(12):10-12,32. Nov. 1966. 59.8 R36
- 32308 FENAROLI, L. History of hybrid corn in Italy. (It) *Ital. Agr.* 103(10):855-862. Oct. 1966. 16 I1
- 32309 GILLES, K. A., and SIBBITT, L. D. Changing picture in spring wheat varieties. *Cereal Sci. Today* 11(12):510-512,514-516,528. Dec. 1966. 59.8 C333
- 32310 GLENN, D. Potentials and problems in hybrid wheat. *U. S. Agr. Res. Serv. ARS-74-35:79.* Aug. 1966. A381 R31Ab
- 32311 GRANADOS V, R. Variedades de maicillo para grano [Varieties of sorghum for grain]. Santa Tecla. Dir. Gen. Invest. Agron. Circ. 68, 9 p. Sept. 1965. 8 Sa36
- 32312 GUIDI, C. Demonstration on hybrid corn culture in 1965. (It) *Agr. Ferrarese* 70(4):69-77. Apr. 30, 1966. 16 Ag87
- 32313 GUIDORZI, C., and MENEGATTI, G. Demonstrations comparing wheat varieties. (It) *Agr. Ferrarese* 70(6):154-156. Aug. 31, 1966. 16 Ag87
- 32314 HALLAUER, A. R., and EBERHART, S. A. Evaluation of synthetic varieties of maize for yield. *Crop Sci.* 6(5):423-427. Sept./Oct. 1966. 64.8 C883
- 32315 HODGES, D. J. Cereal variety trials 1965-1966. *Agr. Northern Ireland* 41(8):238-241. Dec. 1966. 256.13 Ag82M Oats and barley.
- 32316 HOWDEN, A. G. Production of oats. Rhodesia Agr. J. 63(4):75-76. July/Aug. 1966. 24 R34 Culture.
- 32317 HOWDEN, R. H. G. Popcorn for profit. Rhodesia Agr. J. 63(2):34. Mar./Apr. 1966. 24 R34 Culture.
- 32318 JACQUOT, M. Maize improvement at the Irat Station, Sefa, Casamance, Senegal. *Sols Afr.* 11(1/2):299-306. Jan./Aug. 1966. 56.8 So4 Text also in French, p.291-298.
- 32319 JENSEN, N. F. Registration of orbit oats. *Crop Sci.* 6(5):501. Sept./Oct. 1966. 64.8 C883
- 32320 KAPAS, S., and VACZI, D. Necessary features of hybrid corn. (Hu) *Magyar Mezőgazdaság* 21 (49):9-10. Dec. 7, 1966. 19 M27
- 32321 KARCHI, Z., and RUDICH, Y. Effects of row width and seedling spacing on yield and its components in grain sorghum grown under dryland conditions. *Agron. J.* 58(6):602-604. Ref. Nov./Dec. 1966. 4 Am34P Israel.
- 32322 KRETSCHEMER, A. E. Sorghum and millet production on south Florida mineral soils. Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Agr. IRL 66-5, 13 p. June 9, 1966. 100 F664 Includes grain and forage sorghum. Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 32323 KUUKANKORPI, P. The grain grower and quality requirements for grain. (Sw) *Tidskr. Lantman Andelsfolk* 2:45-52, map. Jan. 31, 1966. 20 T43 Wheat and rye in Finland.
- 32324 LIANG, G. H. L., and WALTER, T. L. Genotype X environment interactions from yield tests and their application to sorghum breeding programs. *Can. J. Genet. Cytol.* 8(2):306-311. June 1966. 443.8 C16
- 32325 MALLANI, C. Delayed plantings. (It) *G. Agr.* 76(47):501-502. Nov. 20, 1966. 16 I1G Grain planting on flooded lands.
- 32326 MANITOBA CORN COMMITTEE. Field corn in Manitoba. Manitoba Dep. Agr. Conserv. Publ. 428, 16 p., map. Apr. 1966. 275.29 M313 Culture.
- 32327 MCNEAL, F. H., and others. Stem-solidness in parents and crosses of fescue with 25 foreign wheats, *Triticum aestivum* L. em. Thell. *Crop Sci.* 6(5):498-499. Sept./Oct. 1966. 64.8 C883 K. L. Lebsack, M. A. Berg, and L. E. Wallace, joint authors.
- 32328 MENA SANDOVAL, R. Anyone can plant corn, but not anyone can get good production of corn. (Sp) *Credito Rural* (ser. 2) 157:7, 10. July 1965. 284.28 C863 Culture in El Salvador.
- 32329 MURTY, B. R. Analysis of divergence in a world collection of sorghum and Pennisetum. *Sols Afr.* 11(1/2):453-462. Jan./Aug. 1966. 56.8 So4 Text also in French, p.463-473.
- 32330 NABOS, J. Present state of research work on improved varieties and cultivation methods of millet and sorghum in Niger. *Sols Afr.* 11 (1/2):365-381. Jan./Aug. 1966. 56.8 So4 Text also in French, p.347-363.
- 32331 PAVLICIC, J., and TRIFUNOVIC, V. A contribution to the study of some important ecological types of corn grown in Yugoslavia and their classification. (Se) *Arh. Poljoprivredne Nauk.* 19(66):44-62. Ref. 1966. 21.5 Y9 English summary.
- 32332 PETR, F. C. Bingham oats. Idaho. Agr. Coll. Ext. Bull. 466, 8 p., folder. Aug. 1966. 100 Id14 Published jointly with Idaho Agricultural Experiment Station. Culture.
- 32333 PIDUBKO, I., and BOROVoi, V. More consideration to durum wheat variety. (Rus) *Zemledelie* 11:13. Nov. 1966. 20 Z44
- 32334 RAMIREZ, I., and AGUAYO, L. Etoile de Chamy, wheat well adapted to the central-south zone. (Sp) *Agr. Ganad. [Santiago]* 9(31):25-28. Dec. 1965. 9.3 Ag88 Chile.

- 32335 RICE TECHNICAL WORKING GROUP, 10, DAVIS, CALIF., 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-39,111 p. Oct.1965. A381 R31
Agricultural Experiment Stations and Extension Services of Arkansas, California, Louisiana, Mississippi, and Texas; and U. S. Department of Agriculture, cooperating.
Abstracts of papers.
Bibliography, p.103-108.
- 32336 ROBERTSON, W. R. The use of grain sorghum as a nurse crop. Rhodesia Agr. J. 62(6):108, 112. Nov./Dec.1965. 24 R34
- 32337 RODRIGUEZ, R., and others. Hybrid wheat, a powerful weapon against world hunger. IV-VI. (Sp) Agr. Amer. 15(4):28-30,62; (5):18-21, 52; (6):30-32,37,56. Ref. Apr.-June 1965. 56.8 Ag832
M. A. Quinones, N. E. Borlaug, and I. Narvaez, joint authors.
- 32338 ROHDE, C. R. Registration of moro wheat. Crop Sci. 6(5):502. Sept./Oct.1966. 64.8 C883
- 32339 RUTHERFORD, J. Double cropping of wet padi in Penang, Malaya. Geogr. Rev. 56(2):239-255, map. Apr.1966. 500 Am35G
- 32340 SAFTA, J. Phenology and corn planting. (Ge) Mitt. Deut. Landwirt.-Ges. 81(47):1734-1736. Nov.24,1966. 18 N39
- 32341 SENE, D. Production of millets, sorghums and maize in the Republic of Senegal. Sols Afr. 11(1/2):285-290. Jan./Aug.1966. 56.8 So4
Text also in French, p.277-283.
Chiefly varieties and culture.
- 32342 SMETANIN, A. Effect of soil fertility on yields. (Rus) Zemledelie 11:24-26. Nov. 1966. 20 Z44
Of rice in crop rotation.
- 32343 SORGHUM-MILLET-MAIZE CONFERENCE, 1. ZARIA, 1965. Proceedings. Sols Afr. 11 (1/2):477 p. Ref. Jan./Aug.1966. 56.8 So4
Text also in French.
- 32344 SOUTHERN RHODESIA. MINISTRY OF AGRICULTURE. DEPT. OF RESEARCH AND SPECIALIST SERV. A revised list of recommended varieties of wheat. Rhodesia Agr. J. 63(5):113. Sept./Oct.1966. 24 R34
- 32345 SPRAGUE, G. F. The challenge to agriculture. Sols Afr. 11(1/2):23-29. Jan./Aug.1966. 56.8 So4
Text also in French, p.31-37.
Chiefly grain breeding.
- 32346 SWINK, J. F., HAUS, T. E., and CURTIS, B. C. Small grain tests. Colo. Agr. Exp. Sta. Colo. Progr. Rep. PR 194.2 p. Sept.1966. 100 C7IC
Varieties and yields of wheat, oats, and barley.
- 32347 SZABO, M. New winter wheat variety candidates in nationwide experiments. (Hu) Magyar Mezogazdasag 21(50):10-11. Dec.14,1966. 19 M27
- 32348 TAHIR, W. M. Review of Federal work on maize improvement in Nigeria. Sols Afr. 11 (1/2):185-191. Jan./Aug.1966. 56.8 So4
Text also in French, p.193-200.
Breeding and variety trials.
- 32349 VAN, T. K. The breeding and selection of the two new hybrid varieties, Malinja and Mahsuri for double cropping in the States of Malaya. Malaysian Agr. J. 45(4):332-344. July 1966. 22.5 F312
Rice.
- 32350 VARGAS, A. Use of rice varieties in Costa Rica. Rice J. 69(12):19-23, map. Nov.1966. 56.8 R36
- 32351 VOLANTI, U. Pointing to corn. (It) G. Agr. 76(47):566. Nov.20,1966. 16 R1G
Outlook for hybrids, culture, and costs.
- 32352 WEBSTER, O. J. Outline of maize project at Samaru, 1965. Sols Afr. 11(1/2):147-153. Jan./Aug.1966. 56.8 So4
Text also in French, p.155-161.
Breeding and variety trials.
- 32353 WELLS, D. G. Registration of explorer rye. Crop Sci. 6(5):501-502. Sept./Oct.1966. 64.8 C883
- 32354 WIGGIN, H. C. Maize breeding programme. Ministry of Agriculture and Natural Resources, Western Nigeria. Sols Afr. 11(1/2):223-224. Jan./Aug.1936. 56.8 So4
Text also in French, p.225-227.
- Fiber Crops
- 32355 ALCARAZ VIECO, H., and DAZA DANGOND, T. Recuento historico del cultivo del algodón en Colombia con referencia especial a la asistencia tecnica y al control de las plagas [Historical review of cotton culture in Colombia, with emphasis on technical assistance and on pest and disease control]. Bogota, Federacion Nacional de Algodoneros, Comision Mixta Tolima Sur, 1965. 19 p. Ref. SB251.C7A4
Chiefly on success of an improvement program based on data since 1951.
- 32356 BILCESCU, O. Contribution to the determination of fibre content in mass investigations of hemp in breeding for fibre content. (Ge) Z. Pflanzenzucht. 54(3):206-224. Ref. Dec.1965. 450 Z36
English summary.
- 32357 BORISENKO, T. T. Hemp in rotation of crops. (Rus) Len Konoplya 11:23-25. 1966. 73.8 L542
- 32358 CACKETT, K. E. Lowveld irrigated cotton. Rhodesia Agr. J. 62(5):118-122. Nov./Dec. 1965. 24 R34
Chiefly culture.
- 32359 EGYPTIAN cotton. Alexandria? Akhbar el-Yom Organization, 1965? 92 p., map. SB251.U5E33
Chiefly culture.
- 32360 EQUIHUA HERNANDEZ, L., and others. Cotton culture in the Laguna District (Mexico). (Sp) Agr. Amer. 15(8):36A,36D. Aug.1966. 56.8 Ag832
R. Prado Martinez, A. Ortega, and J. Ambriz Palma, joint authors.
- 32361 STEVENSON, J. H. Increase of cotton in Central America. (Sp) Agr. Amer. 15(5):22-24, 56; (6):42-44,62, map. May-June 1966. 56.8 Ag832
Culture.
- Forage Crops and Grasses
- 32362 ALLEN, L. R. Coastal bermudagrass [Cynodon dactylon] for grazing, hay, silage. Clemson Univ. Ext. Circ. 406, rev., 28 p., map. July 1966. 275.29 So8E
Establishment and pasture management.
- 32363 ALLRED, K. R. Up-grading irrigated pastures. Use alfalfa-intermediate wheatgrass where water is limited. Utah Farm Home Sci. 27(2):47-51. June 1966. 100 U1F
Pasture management.
- 32364 ALLRED, K. R. Up-grading irrigated pastures. What about birdsfoot trefoil? Utah Farm Home Sci. 27(3):110-112,116. Sept.1966. 100 U1F
Pasture management.
- 32365 ALMADA, M. C., DUARTE, R., and STACUL, H. El pasto pangola, forrajera promisoría para la region chaquena húmeda [Pangola grass, promising forage for the moist Chaco region]. Pres. Roque Saenz Pena. Estac. Exp. Agropecuar. Bol. 41,6 p. Aug.1966. 102.5 P922
Culture and nutritive value.
- 32366 ANDRIES, A., and STRYCKERS, J. Comparative study of methods of improving river herbage. (Fr) Rev. Agr. [Brussels] 19(9):947-972. Sept.1966. 13 R322
Use of herbicides and change in botanical composition and tillage on wet grasslands.
- 32367 BANSAL, R. D. Studies on procedures for combining clones of birdsfoot trefoil, Lotus corniculatus L. Diss. Abstr., Sect. B, 27(3): 690B-691B. Sept.1966. Z5055.U49D53

- 32369 BIRD, J. M. Growing corn in pastures. Tenn. Farm Home Sci. Progr. Rep. 58:12-13. Apr./June 1966. 100 T25F
- 32369 BONNE, K. Yield reserves in forage production? (Ge) Mitt. Deut. Landwirt.-Ges. 81(43): 1596,1598,1600. Oct.27,1966. 18 N39
Grassland management.
- 32370 BRANSON, F. A., MILLER, R. F., and MC-QUEEN, I. S. Contour furrowing, pitting, and ripping on rangelands of the western United States. J. Range Manage. 19(4):182-190. Ref. July 1966. 60.18 J82
- 32371 BURGER, K. Forage plant breeding in the Federal Republic. (Ge) Mitt. Deut. Landwirt.-Ges. 81(44):1632-1634. Nov. 1966. 18 N39
- 32372 BURTON, G. W. Pearl-millet breeding. Sols Afr. 11(1/2):39-42. Jan./Aug.1966. 56.8 S04
Text also in French, p.43-47.
- 32373 CAVENEL, B. Varieties of vetch and forage peas. (Fr) Fourrages 27:25-35. Sept.1966. 60.8 F82
- 32374 CAVINESS, C. E., and WALTERS, H. J. Registration of Davis soybeans. Crop Sci. 6(5): 502. Sept./Oct.1966. 64.8 C883
Forage plants.
- 32375 CHATTERJEE, B. N., and SINGH, R. D. Extension of the period of utilization of the perennial grasses. Indian Forest. 92(9):591-595. Sept.1966. 99.8 I22
Yields of *Andropogon gayanus*, *Pennisetum polystachyon* and *Brachiaria brizantha*.
- 32376 CHOLAKY, S. L. A new corn hybrid, this time for silage. (Sp) Agr. Ganad. [Santiago] 9(31): 23-24. Dec.1965. 9.3 Ag88
Chile.
- 32377 CLEGHORN, W. B. Report on the conditions of grazing in Tribal Trust Land, Rhodesia Agr. J. 63(3):57-67. May/June 1966. 24 R34
Pasture management.
- 32375 COSBY, H. E. Fescue [*Festuca scabrella*] grassland in North Dakota. J. Range Manage. 18(5):284-285. map. Sept.1965. 60.18 J82
- 32379 COTTE, A. Introduction to the study of forage sorghum. (Fr) Fourrages 27:69-70. Sept.1966. 60.8 F82
- 32380 CURRIE, P. O., and PETERSON, G. Using growing-season precipitation to predict crested wheatgrass [*Agropyron desertorum*] yields. J. Range Manage. 19(5):284-288. Sept.1966. 60.18 J82
- 32381 DANISSKA, J. Modern development in pasture management and grass seed production. (Hu) Magyar Mezogazdasag 21(48):22. Nov.30,1966. 19 M27
- 32382 DANNESKIOLD-SAMSEE, GRAF C. New paths in plant improvement in Sweden. (Ge) Mitt. Deut. Landwirt.-Ges. 81(50):1828-1829. Dec.15,1966. 18 N39
Forage plant breeding.
- 32383 DAVIS, R. L., and BUKER, R. J. Predicting yields from associated characters in *Medicago sativa* L. Crop Sci. 6(5):492-494. Sept./Oct. 1966. 64.8 C883
- 32384 DENNIS, R. E. Establishment and management of irrigated pastures in Arizona. Ariz. Univ. Ext. Bull. A-49,35 p.,map. Sept.1966. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 32385 DJURBERG, L. The roughage plants and crop rotation. (Sw) Lantmannen 77(1):9-11. Jan.8, 1966. 11 L234
- 32386 DZALILOVA, A. O. Significance of the determination of seed productivity for the estimation of the total weight of the above-ground biomass of a meadow community. (Rus) Bot. Zhur. [Moscow] 51(11):1593-1596. Ref. Nov. 1966. 451 R923
- 32387 EVANS, K. H., DAVIS, R. L., and NYQUIST, W. E. Interaction of plant spacing and combining ability in an eight-clone diallel of *Medicago sativa* L. Crop Sci. 6(5):451-454. Ref. Sept./Oct.1966. 64.8 C883
- 32389 FOOTE, L. E., and JACKOBS, J. A. Partridge pea [*Cassia fasciculata*] management and yield comparisons with other annual forage legumes. Agron. J. 58(6):573-575. Nov. Dec.1966. 4 Am34P
- 32389 FUTTRUP, A. Proposal for new seed mixtures for this year's seed order. (Da) Dansk Landbrug 85(12):328-331. Dec.1966. 280.28 V91
Evaluation of forage plant varieties.
- 32390 GALAN C., and GEORGESCU, M. Determination of most productive succulent forage plants for the Brasov area. (Rum) Probl. Agr. Bucharest 18(10):64-72. Oct.1966. 21 R862
English summary.
- 32391 GALLAIS, A. Varieties of orchard grass. (Fr) Fourrages 27:36-40. Sept.1966. 60.8 F82
- 32392 GILLET, M. Varieties of fescue. (Fr) Fourrages 27:41-48. Sept.1966. 60.8 F82
- 32393 GIST, G. R. Grasses and legumes for forage and conservation. Ohio State Univ. Ext. Bull. 478.20 p. Nov.1966. 275.29 Oh32
Culture.
- 32394 GORODNII, N. G., and UTEUSH, YU. A. Method of producing forage plants. (Rus) Zemledelie 10:17-21. Oct.1966. 20 Z44
- 32395 CRAY, E., and HESTER, A. J. Kenwell; a new improved tall fescue. Tenn. Farm Home Sci. Progr. Rep. 59:17. July/Sept.1966. 100 T25F
- 32396 GUY, P. French varieties of alfalfa. (Fr) Fourrages 27:18-24. Sept.1966. 60.8 F82
- 32397 HANSON, C. H. Varietal improvement of alfalfa as related to product quality and utility. U. S. Agr. Res. Serv. ARS-74-36:5-10. 1965. A381 R31Ab
- 32398 HAZELL, D. B. Vegetative composition, forage production, and plant vigor as influenced by date of mowing. J. Range Manage. 18(5):261-264. Sept.1965. 60.18 J82
- 32399 HILL, R. R. Designs to estimate effects of clone substitution in alfalfa synthetics. Crop Sci. 6(5):471-473. Sept./Oct.1966. 64.8 C883
In breeding.
- 32400 HILMON, J. B., and HUGHES, R. H. Fire and forage in the wiregrass type. J. Range Manage. 18(5):251-254. map. Sept.1965. 60.18 J82
- 32401 HOGERKAMP, M., and KRIST, G. Rye as cover crop in post-summer planting of grassland. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting. 23(5):171-175. May 1965. 12 N363M
- 32402 HUGHES, P. The forage sorghums. I. (Fr) Fourrages 27:71-107. Sept.1966. 60.8 F82
- 32403 IMRIE, B. C. Forage sorghums: new hybrids now available. Agr. Gaz. New S. Wales 77(10): 601-603. Oct.1966. 23 N42
- 32404 JANOSSY, A. Study of wild red clover (*Trifolium pratense* L. var. *spontanum* Willk.), populations utilized in breeding. (Hu) Agrobotanika 7(1):11-19. Ref. 1966. 64.8 Ag84
English summary.
- 32405 KLUSMANN, W., and JURGENSEN, H. Forage plant contribution series. II. Orchardgrass. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 145:31-34. Nov.15,1966. 281.8 B462
Yields, resistance to *Mastigospirum rubricosum*, and varieties.
- 32406 KOCH, B., KOTA, M., and HORVATH, I. M. Possibilities of increasing protein and amino acid content in fodder crops in Hungary. (Hu) Agrobotanika 7(1):21-29. Ref. 1966. 64.8 Ag84
English summary.
- 32407 KOVACS, I. Developing pasture management. (Hu) Magyar Mezogazdasag 21(48):11. Nov.30,1966. 19 M27
- 32408 LAMBERT, D. A. The effect of cutting cocksfoot (*Dactylis glomerata* L.) grown for production of seed. Brit. Grassland Soc. J. 21(3):200-207. Ref. Sept.1966. 60.19 B773
- 32409 LAMBERT, D. A. The effect of cutting timothy (*Phleum pratense* L.) grown for production of seed. Brit. Grassland Soc. J. 21(3):208-213. Ref. Sept.1966. 60.19 B773
- 32410 LARSEN, P. H. Horsebeans. (Da) Tolvmandsbladet 39(11):591-592. Nov.1966. 11 T58
Culture.
- 32411 LENOBLE, M. Varieties of timothy. (Fr) Fourrages 27:49-52. Sept.1966. 60.8 F82

- 32412 LINDER, H. Annual roughage plants as a supplement to meadow plants. (Sw) Lantmannen 77(1):7-8. Jan.8, 1966. 11 L234
- 32413 MANSAT, P. Catalog of forage plant species, its functioning. (Fr) Fourrages 27:3-11. Sept. 1966. 60.8 F82
- 32414 MANSAT, P. Varieties of rye grass. (Fr) Fourrages 27:53-68. Sept. 1966. 60.8 F82
- 32415 MARTINEZ, M. A. El zacate Pangola (*Digitaria decumbens*) [Pangolagrass (*Digitaria decumbens*)]. Santa Tecla. Dir. Gen. Invest. Agron. Circ. 61.5 p. Feb. 1965. 8 Sa36
- 32416 MATVIENKO, A. V., and SLIPACHENKO, N. YA. Growing grasses for seeds. (Rus) Sakharn. Svekla 12:15-16. Dec. 1966. 66.8 Su393
- 32417 MCGINNIES, W. J. Effects of spot seeding on establishment of three range grasses. Agron. J. 58(6):612-614. Nov./Dec. 1966. 4 Am34P
- 32418 Agropyron desertorum, trichophorum, and Elymus junceus.
- 32419 MCMURPHY, W. E., and ANDERSON, K. L. Burning Flint Hills range. J. Range Manage. 18(5):265-269. Ref. Sept. 1965. 60.18 J82
- 32419 MUNRO, J. M. M., and HUGHES, R. White clover and hill land improvement. Brit. Grassland Soc. J. 21(3):224-230. Ref. Sept. 1966. 60.19 B773
- 32420 Chiefly pasture improvement.
- 32420 NEHRING, K., and others. When should marrow cabbage be harvested? (Ge) Deut. Landwirt. 17(10):498-499. Oct. 1966. 18 D4822
- 32421 F. Luddecke, F. Kaatz, K. Czimmek, and I. Clauser, joint authors.
- 32421 OLIVEIRA, J. DE. Organization of forage harvesting on farms. (Por) Port. Junta Colon. Interna. Temas Econ.-Soc. Agr. Resumo Textos Inform. 42:25-43. June 1966. 281.9 P834
- 32422 PATRASCOIU, F., BALAN, C., and ANDREI, F. A contribution to the study of the increase of yields of alfalfa grown for seeds. (Rum) Probl. Agr. [Bucharest] 18(10):55-63. Ref. Oct. 1966. 21 R862
- 32423 English summary.
- 32423 PICARD, J. Red clover varieties. (Fr) Fourrages 27:12-17. Sept. 1966. 60.8 F82
- 32424 RITCHIE, W. F. Selecting plants for tropical pastures. Power Farming Australia New Zealand. Better Farming Dig. 75(11):25-27. Nov. 1966. 58.8 P87
- 32425 RUMBAUGH, M. D., and THORN, T. Initial stands of interseeded alfalfa. J. Range Manage. 18(5):258-261. Sept. 1965. 60.18 J82
- 32426 SCHIEBLICH, J. Breeding of two seeds per pod in red clover (*Trifolium pratense* L.). II. The effect of directed and non-directed free fertilization and first experimental cross. (Ge) Zuchter 36(5):236-239. 1966. 442.8 Z8
- 32427 English summary.
- 32427 SEAMANDS, W. J. Pasture and meadow. Wyo. Univ. Ext. [4-H Club. Circ.] FO-9-66, 6 p. Mar. 1966. 275.29 W99Fc
- 32428 Management.
- 32428 SHEARD, R. W., and WINCH, J. E. The use of light interception, gross morphology and time as criteria for the harvesting of timothy [*Phleum pratense*], smooth brome [*Bromus inermis*] and cocksfoot [*Dactylis glomerata*]. Brit. Grassland Soc. J. 21(3):231-237. Ref. Sept. 1966. 60.19 B773
- 32429 SIMON, W. Wirtschaftliche Ackerweide [Efficient cultivated pastures]. Berlin, Deutscher Landwirtschaftsverlag, 1966. 99 p. Ref. SB199.S5
- 32429 Chiefly pasture management in East Germany.
- 32430 SJOBERG, K. E. Planned pasture management a prerequisite for profitable sheep husbandry. (Sw) Malmohus Lans Hushallningsallsk. Kvarlatskr. 1:110-116. 1966. 11 M29
- 32431 SMITH, C. J. Problems in establishing dryland pastures in Rhodesia. Brit. Grassland Soc. J. 21(3):238-244. Ref. Sept. 1966. 60.19 B773
- 32432 SMITH, D. Alfalfa cutting practices for quality and longevity. U. S. Agr. Res. Serv. ARS-74-36:10-17. 1965. A381 R31Ab
- 32432 Lake States.
- 32433 SPRAVOCHNIK po senokosam i pastbishcham [Manual on hay fields and pastures]. Ed. 2, rev. 504 p. SB199.S65
- 32434 STEEN, E. Intensive meadow culture—some views. (Sw) Lantmannen 77(1):4-6. Jan.8, 1966. 11 L234
- 32435 STEWART, T. A., BROWN, S. M., and BOYD, M. Relative production of six perennial ryegrass cultivars grown with and without clover plus artificial nitrogen and with clover only, under simulated pasture conditions. Northern Ireland. Rec. Agr. Res. 15(1):99-133. Ref. 1966. 10 N81R
- 32436 TECHNICAL ALFALFA CONFERENCE, 9. LINCOLN, NEBRASKA, 1965. Proceedings. U. S. Agr. Res. Serv. ARS-74-36, 76 p. 1965. A381 R31Ab
- 32436 Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division, U. S. Agricultural Research Service; cosponsored by American Dehydrators Association and the Nebraska Agricultural Experiment Station.
- 32436 Includes introductory remarks by G. O. Kohler.
- 32437 TIEDEMANN, A. R., and SCHMUTZ, E. M. Shrub control and reseeding effects on the oak chaparral of Arizona. J. Range Manage. 19(4):191-195. Ref. July 1966. 60.18 J82
- 32438 VAN EPPS, G. A. On cultivated land—native browse and broadleaf herb seed production. Utah Farm Home Sci. 27(2):59-61. June 1966. 100 U11F
- 32438 Shrubs, arrowleaf balsamroot (*Balsamorhiza sagittata*), and Utah sweetvetch (*Hedysarum boreale*).
- 32439 WAGENINGEN, INSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Winterkoolzaad, (Winter rape), 1966. Wagenin-gen. Inst. Rassenonderzoek Landbougewassen. Ber. Rassenkeuze 387, 2 p. Aug. 1966. 64.9 W12
- 32439 Varietal trials as forage plant.
- 32440 WIREN, G. Defoliation in clover and grass seed culture. (Sw) Svensk Protidn. 35(7/8):122, 124. July 15, 1966. 61.8 Sv2
- 32441 WRIGHT, C. E. An assessment of the yield potential of some perennial ryegrass [*Lolium perenne*] cultivar introductions. Northern Ireland. Rec. Agr. Res. 15(1):13-17. 1966. 10 N81R
- 32442 WRIGHT, C. E., STEWART, T. A., and KORMOS, J. Lucerne variety trials in Northern Ireland, 1962-64. Northern Ireland. Rec. Agr. Res. 15(1):143-155. Ref. 1966. 10 N81R
- 32443 WRIGHT, C. E., and FOSTER, C. A. Seedling age and date of transplanting in relation to spaced-plant varietal assessment of *Lolium multiflorum*. Northern Ireland. Rec. Agr. Res. 15(1):19-26. 1966. 10 N81R
- 32444 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Pasture and meadow record book. Wyo. Univ. Ext. [4-H Club. Circ.] FO-9a-66, 14 p. 1966. 275.29 W99Fc
- 32444 Management.
- 32445 ZIMMER, E. Forage production and feed industry in Israel. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 44(3):606-616. 1966. 18 G31
- 32445 Includes forage preservation.

Oil Crops

- 32446 BELIC, B. The effect of planting date on the duration of vegetation and yields of soybeans. (Se) Arh. Poljoprivredne Nauk. 19(66):3-16. Ref. 1966. 21.5 Y9
- 32446 English summary.
- 32446 Oil plant.
- 32447 BENGTTSSON, A. Varieties of fall and winter rape. (Sw) Svensk Protidn. 35(6):96, 98-99. June 15, 1966. 61.8 Sv2
- 32447 Oil plants.
- 32448 CROCIONI, A. Progress in cultural techniques for oil plants. (It) Turin. Acad. Agr. Ann. 107:13-27. Ref. 1964/65. 16 T63

- 32449 HARPER, J. C. The growing of groundnuts in Rhodesia. Rhodesia Agr. J. 63(5):100-104. Sept./Oct. 1966. 24 R34
- 32450 HYER, A. H. Breeding for glandless cottonseed in California. Cotton Gin Oil Mill Press 67 (18):10-11, 14. Aug. 27, 1966. 304.8 C22
- 32451 IVUSHKIN, I., and KADOSHNIKOVA, V. Sunflower in rotation of crops. (Rus) Zemledelie 11:26-27. Nov. 1966. 20 Z44
- 32452 LOOF, B. At the beginning of oil crop culture in 1966. (Sw) Svensk Frotidn. 35(1):6-8. Jan. 15, 1966. 61.8 Sv2
- 32453 LOOF, B. Harvesting of oil crops. (Sw) Svensk Frotidn. 35(7/8):116, 118, 120-121. July 15, 1966. 61.8 Sv2
- 32454 LUCIANO, A. Work in improving sunflower culture. (Sp) Inform. Grasas Aceites. Bol. 3 (7):47-59. Sept. 1965. 307.8 In3
- 32455 MEIKLE, J. O. A survey of African-grown groundnut varieties in Rhodesia. Rhodesia Agr. J. 62(6):109-113. Nov./Dec. 1965. 24 R34
- 32456 OVERTON, J. R., GRAVES, C. R., and HAZLEWOOD, B. P. Castorbeans, safflower, and sesame as oilseed crops in Tennessee. Tenn. Farm Home Sec. Progr. Rep. 58:3-5. Apr./June 1966. 100 T25F
- 32457 PAWLOWSKI, S. H., and SMITH, A. D. Sunflowers instead of fallow. Crops Soils 19(2):6-7. Nov. 1966. 6 W55
- 32458 PIETRARELLI, J. R. Problems, phytotechniques, and management. (Sp) Inform. Grasas Aceites. Bol. 3(7):69-72. Sept. 1965. 307.8 In3
- 32459 ROSBACO, A. M. DE. Improvement of oil flax culture. (Sp) Inform. Grasas Aceites. Bol. 3 (7):36-45. Sept. 1965. 307.8 In3
- 32460 WAGNER, G. H., and FLETCHALL, O. H. Break the soybean yield barrier. Crops Soils 19(2):12, 14-15. Nov. 1966. 6 W55
- Culture.
- Sugar Crops
- 32461 ARANETA, R., and CARBALLO, F. P. Variety tests in Bais Mill district. Philippine Sugar Inst. Quart. 12(1):14-18. Mar. 1966. 65.9 P533
- 32462 BALKOV, I., KRETININ, T., and SAVCHENKO, N. Academician A. L. Mazlumov; 70th anniversary. (Rus) Sakharn. Svekla 12:18-22. Dec. 1966. 66.8 Su393
- 32463 Research work in breeding sugar beets.
- 32463 GNEILINSKI, S. V. Sugar cane culture in Australia. (Ge) Z. Zuckerindus. 16(7):393-399. map. Ref. July 20, 1966. 65.8 D48
- 32464 LOPEX, F. G. Intense labor at the Santa Rosa Experimental Agrícola Farm [Chacra Experimental Agrícola de Santa Rosa] in variety tests. (Sp) Indus. Azucar. 72(873):239-242. Aug. 1966. 65.8 In22
- 32465 MACA, E., and DUFEK, J. A contribution to the problem of partial and multiple correlation between the growth season, the time requirement for thinning, and the per-hectare yields of sugar beet, in field conditions. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 1:13-18. 1966. HD1940.C95A1
- 32466 MCMARTIN, A. Progress at Sucuma. S. Afr. Sugar J. 50(9):857, 859, 861, 863. Sept. 1966. 65.8 S08
- 32467 MIKULAS, J., and PUSZTAI, J. Cultivation experiments with sugar beets. (Hu) Magyar Mezogazdasag 21(47):8-9. Nov. 23, 1966. 19 M27
- 32468 MORA, C. R., and URGEL, G. V. Influence of rate and time of planting on ratoons of four sugarcane varieties. Philippine Sugar Inst. Quart. 12(1):2-13. Mar. 1966. 65.9 P533
- 32469 ONTIVEROS HERNANDEZ, D. Weather and sugarcane areas of Mexico. (Sp) Bol. Azucar. Mex. 204:18-24. June 1966. 65.8 B63
- 32470 POROT'KIN, E. I. Methods of thinning sugar beets and the density of planting while irrigating. (Rus) Sakharn. Svekla 12:16-17. Dec. 1966. 66.8 Su393
- 32471 SEAMANDS, W. J. 4-H sugar beet manual. Wyo. Univ. Ext. [4-H Club. Circ.] SB-5-66, 13 p. 1966. 275.29 W99Fc
- 32472 STEVENSON, G. C. Genetics and breeding of sugar cane. London, Longmans, 1965. 284 p. Ref. SB231.S7
- 32473 THEIS, T. Sugar research by the United States Department of Agriculture. (Sp) Indus. Azucar. 72(875):309-311. Oct. 1966. 65.8 In22
- 32474 YATSENKO, A. I., and NIKULIN, B. T. Legumes in rotation of sugar beets. (Rus) Sakharn. Svekla 12:14-15. Dec. 1966. 66.8 Su393
- Tobacco
- 32475 AKEHURST, B. C. Tobacco; a review of some recent developments, with particular reference to flue-cured tobacco. Field Crop Abs. 19(4):245-252. Nov. 1966. 241 C73
- 32476 BALANDA, D. V. Effect of crop rotations on tobacco yields and the profit. (Rus) Tabak 4: 42-45. 1966. 69.8 T112
- 32477 BALCAR, J. Tabak jako objekt experimentální botaniky [Tobacco as the object of experimental botany]. Biol. Prace 12(6):64 p. 1966. 442.9 SL52
- HORTICULTURAL CROPS
- 32478 ALMINDELIG DANSK GARTNERFORENING. Arbog for gartneri [Horticultural yearbook], 1965. v. 47. Kobenhavn, 1966. 203 p. 86 AL4
- 32479 DUBLIN, AN FORAS TALUNTAIS. HORTICULTURE AND FORESTRY DIV. Research report, 1965. Dublin, 1966? 159 p. 103 D852
- 32480 GIORDANO, L. Mon jardin de week-end [My week-end garden]. Paris, Amphora, 1966. 172 p. SB455.G5
- 32481 HRUSCHKA, H. W. Stereo-plotter for 3-dimensional graphs. Amer. Soc. Hort. Sci. Proc. 88:713-717. 1966. 81 S012
- 32482 NETHERLANDS, DIRECTIE COORDINATIE ONDERZOEK. Tuinbouwkundig onderzoek; jaarverslag [Horticultural research; annual report], 1965. s-Gravenhage, 1966. 242 p. 86 N385
- 32483 NETHERLANDS, DIRECTIE TUINBOUW. Tuinbouwwet [Horticultural guide], 1967. Volume 24. s-Gravenhage, 1967. 555 p. 86 N383
- 32484 OBERLE, G. D. Research responsibilities in horticulture. HortScience 1(1):7-9. Winter 1966. SB1.H6
- 32485 ONTARIO, HORTICULTURAL EXPERIMENT STATION. Report for 1965. Toronto, 1966? 145 p. Ref. 101 On823
- 32486 REINHOLD, J., and others. Freude am Garten; ein Ratgeber für den Gartenfreund [Pleasure in the garden; advice for the garden lover]. Ed. 2. Berlin, Deutscher Landwirtschaftsverlag, 1966. 504 p. SB453.R43
- 32487 TINDALL, H. D. Fruits and vegetables in West Africa. Rome, Food and Agriculture Organization of the United Nations, 1965. 259 p. Ref. SB319.A3T5

- 32489 WAGENINGEN, INSTITUUT VOOR TUINBOUW-TECHNIEK. Jaarverslag [Annual report of the Institute for Horticultural Engineering], 1965. Wageningen, 1966. 119 p. 86 W123J
Greenhouse culture and equipment.

Fruit - General

- 32489 ADRIANSENS, A. Review of the functioning, in the course of the year 65, of the experimental garden of Western Flanders at Beitem. (Fr) Rev. Agr. [Brussels] 19(9):1017-1023. Sept. 1966. 13 R322
Fruit culture research.
- 32490 BEIER, L. High yields of street and road fruit plantings achieved with scientific planning and care. (Ge) Obstbau [Berlin] 6(7):100-101. July 1966. 80 Ob79
- 32491 CRAINZ, M. Fruit plants as decorative motif. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.) 20(3):43-46. Mar. 1966. 287 Ud5
Pruning.
- 32492 HABRAN, R. Restructuring of crops in the Pays de Herve. (Fr) Rev. Agr. [Brussels] 19(10):1143-1152. Oct. 1966. 13 R322
Fruit culture.
- 32493 HORN, E. Preparation of sloped areas for establishing fruit orchards. (Hu) Kerteszeti Szolész. 15(22):14. Nov. 1966. 80 K474
Terracing.
- 32494 HUSSEIN, F. Development of the fruit culture in the United Arab Republic. (Ge) Obstbau [Berlin] 6(3):41-42, map. Mar. 1966. 80 Ob79
- 32495 LARSEN, P. Out on a limb. Amer. Fruit Grower 86(12):12-13. Dec. 1966. 80 G85
Pruning.
- 32496 OCHKAN, G. It is about time for better management? (Rus) Sadovodstvo 11:24. Nov. 1966. 80 Sa13
Fruit nurseries.
- 32497 ODINTSOV, V. A. Proper distribution in planting of fruit. (Rus) Sadovodstvo 11:10-11. Nov. 1966. 80 Sa13
- 32498 PAVLENKO, V. A. Methods of bending fruit branches. (Rus) Sadovodstvo 11:20. Nov. 1966. 80 Sa13
- 32499 SCHMADLAK, J. Cold storage of nursery tree varieties. (Ge) Obstbau [Berlin] 6(9):136-137. Ref. Sept. 1966. 80 Ob79
Fruit.
- 32500 SCHUBERT, E. Production of quality fruit as a problem of research. (Ge) Obstbau [Berlin] 6(1):10-11. Jan. 1966. 80 Ob79
Culture.
- 32501 SPIRIN, V. V. Severnoe sadovodstvo; izbrannye stat'i po selektsii, sortirovaniyu i agrotehnike sadovykh rastenii [Northern fruit growing: selected articles on breeding, varietal testing and culture of orchard plants]. Moskva, Kolos, 1965. 143 p. SB357.585
- 32502 WALKER, D. R., ANDERSON, J. L. M., and CALL, A. B. Training fruit trees is important. Utah Farm Home Sci. 27(1):32-35. (Cont.) Mar. 1966. 100 Ut1F
Pruning.
- 32503 WILHELMINADORP, PROEFSTATION VOOR DE FRUITTEELT IN DE VOLLE GROND. Jaarverslag [Annual report of the Research Station for Fruit Growing], 1965. n.p., 1966. 168 p. 86 W642
English summary.

Citrus and Subtropical Fruits

- 32504 CARVALHO, A. M. DE. Culture of the passion-flower. (Por) Agronomico 17(9/10):12-20. Sept.-Oct. 1965. 9.2 Ag894
Passiflora edulis and P. flavicarpa.
- 32505 GFIGOROV, I., and KHALACHEV, S. The time of collecting fruit cuttings and their rooting. (Bu) Gradnarska Lozarska Nauk. 2(1):17-22. 1965. 87 G75
English summary.

- 32506 HILGEMAN, R. H., and others. Rootstock evaluation for lemons on two soil types in Arizona. Amer. Soc. Hort. Sci. Proc. 88:280-290. Ref. 1966. 81 So12
D. R. Rodney, J. A. Dunlap, and T. A. Hales, joint authors.
- 32507 MALIPHANT, G. K. Citrus research in some Caribbean territories. Trop. Sci. 8(3):107-114. 1966. 26 T56
Culture in the West Indies.
- 32508 NIXON, R. W. Growing dates in the United States. U. S. D. A. Agr. Inform. Bull. 207, slightly rev., 56 p. Oct. 1966. 1 Ag94Ab
Bibliography, p. 51-55.
Arizona and California.
- 32509 SCHADE, R. O. Cooling citrus with over-head sprinklers. Calif. Citrogr. 51(12):478. Oct. 1966. 80 C125
- 32510 SIMMONDS, N. W. Bananas. Ed. 2. London, Longmans, 1966. 512 p. Ref. SB379.B285
- 32511 SPINA, P. The table olive in Sicily. (It) Ital. Agr. 103(10):863-889. Ref. Oct. 1966. 16 It1
Varieties and other aspects of the industry.
- 32512 STRAUSS, G. R. Summer oranges planted along Santa Clara river bottom. Calif. Citrogr. 51(12):477. Oct. 1966. 80 C125
- 32513 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Citrus rootstocks;—an evaluation for new and replant areas. West. Australia. Dep. Agr. J. (ser. 47(9)):399-400, 403-405. Sept. 1966. 23 W52J

Deciduous Fruits

- 32514 ANDERSON, J. L. M., CALL, A. B., and HUBER, D. Peach varieties for Utah's Dixie. Utah Farm Home Sci. 27(1):39-41, map. Mar. 1966. 100 Ut1F
- 32515 BAILEY, R. M., and MURPHY, E. F. Brock, a new apple variety. Maine Farm Res. 14(2):32-36. July 1966. 100 M28Ma
- 32516 BRADT, O. A. Plant breeding and variety testing Velvet and Vanity paces. Ontario. Hort. Exp. Sta. Rep. 1965:110-111. 1966. 101 On823
- 32517 BRINGEZU, A., and FRIEDRICH, H. The response of new apple varieties to different substrata in fruit nurseries. (Ge) Obstbau [Berlin] 5(10):152-154. Oct. 1965. 80 Ob79
- 32518 CAHILL, R. G. The care of young fruit trees. West. Australia. Dep. Agr. J. (ser. 47(9)):407-408, 411-412. Sept. 1966. 23 W52J
Apple and pear orchards.
- 32519 CARLTON, C. C., and others. Performance of peach varieties for commercial production in central Alabama. Ala. Agr. Exp. Sta. Leaflet. 72, 8 p. Oct. 1966. 100 AL1S
K. C. Short, H. J. Amling, and W. A. Dozier, joint authors.
- 32520 DOTTL, F. Apple thinning through spraying after set. (It) Agr. Ferrarese 70(3):57-61. Mar. 31, 1966. 16 Ag87
With derivatives of alpha naphthaleneacetic acid.
- 32521 DZHAFAROV, M. A. More, better, inexpensive. (Rus) Sadovodstvo 11:21-22. Nov. 1966. 80 Sa13
Production of deciduous fruit seedlings in Azerbaijan.
- 32522 EYNARD, L., and PAGLIETTA, R. Pomological observations on cherry cultivars of the Province of Torino. (It) Turin. Accad. Agr. Ann. 107:81-108. 1964/65. 16 T63
- 32523 GROSCHNER, P. Trends in the breeding of apples for cold storage. (Ge) Obstbau [Berlin] 6(1):13. Jan. 1966. 80 Ob79
- 32524 GYURO, F. Intensive crown formations in large scale apple production. (Hu) Budapest. Kerteszeti Szolész. Foiszola. Közlemenyek 30(1):77-88. Ref. 1966. 80 B85
English summary.
- 32525 KESTER, D. E., and SARTORI, E. Rooting of cuttings in populations of peach (*Prunus persica* L.), almond (*Prunus amygdalus* Batsch.) and their F hybrid. Amer. Soc. Hort. Sci. Proc. 88:219-223. 1966. 81 So12

- 32526 KOCH, E. C., ALDERMAN, D. C., and BROWN, D. S. Commercial apple growing in California. Calif. Univ. Agr. Ext. Circ. 538, 25 p. June 1966. 100 C12S
- 32527 KOLOMIETS, I. A. Pruning and fertilization in the forest-steppe zone of Ukraine. (Rus) Sadovodstvo 11:16-17. Nov. 1966. 80 Sa13
Apples.
- 32528 KOMITOV, R., and BAMBUKOV, P. New peach variety "Perla." (Bu) Gradinarska Lozarska Nauk. 2(2):147-152. 1965. 87 G75
French summary.
- 32529 KOROTKOV, V. E. The Korotkov cherry variety. (Rus) Sadovodstvo 11:39. Nov. 1966. 80 Sa13
- 32530 LOEWEL, E. L., and WAHL, E. VON. New varieties of sweet cherries bred by the Jork Fruit Testing Institute [Obstbauversuchsanstalt] for testing purposes. (Ge) Obstbauversuchsanstalt Alten Landes. Mitt. 21(6):205-211. June 1966. 85 J76
- 32531 LUNATI, U. L'impianto del frutteto [Planting an orchard]. Bologna, Calderini, 1965. 62 p. (Universale Edagricole, No. 27) SB357.L82
Chiefly deciduous fruit; includes varieties.
- 32532 MARTINKOWITZ, R. The structure of yield capacity of plum varieties and its relation to the location base and crown training. (Ge) Obstbau [Berlin] 6(7):108-110. July 1966. 80 Ob79
- 32533 MEIER, G., and REICHEL, M. The response of sweet cherry on Prunus mahaleb with and without interbreeding in the fruit nursery Prusendorf. (Ge) Obstbau [Berlin] 6(8):122-124. Aug. 1966. 80 Ob79
- 32534 MEZEL, G. Mist humidification propagation of apricot varieties. (Hu) Tud. Tanacsadoja, p.11. In Kertesz Szolész. 15(21). Nov. 1966. 80 K474
- 32535 MORI, H. Technique for growing deciduous fruit trees in water culture. Amer. Soc. Hort. Sci. Proc. 88:253-261. Ref. 1966. 81 S12
Apples in nutrient solution culture.
- 32536 NEUMANN, D., and NEUMANN, U. The principles of the formation of apple tree crowns. (Ge) Obstbau [Berlin] 6(9):141-143. Sept. 1966. 80 Ob79
- 32537 NYUJTO, F. Can sour cherry production be profitable? (Hu) Tud. Tanacsadoja, p.5-9. In Kertesz Szolész. 15(21). Nov. 1966. 80 K474
Planting and culture.
- 32538 PETHO, F. Sour cherry culture in the Nyirseg. (Hu) Tud. Tanacsadoja, p.9. In Kertesz Szolész. 15(21):9. Nov. 1966. 80 K474
- 32539 ROLLINS, H. A., and WILLIAMS, G. R. Apple production techniques in Europe: a possible solution to current labor problems. HortScience 1(1):10-11. Winter 1966. SB1.H6
Chiefly planting and training methods.
- 32540 SCHMID, O. What kind of cherries do the growers want from the nurseries? (Ge) Schweiz. Z. Obst- Weinbau 102(12):302-305. June 11, 1966. 80 Sch9
Grafted or ungrafted stock.
- 32541 SCHWOPE, D. Thinning of fruit with carbaryl. (Ge) Obstbau [Berlin] 6(3):43-45. Ref. Mar. 1966. 80 Ob79
Apples.
- 32542 SOLAROLI, V. Summer pear cultivars for new plantings. (It) Agr. Ferrarese 70(2):25-33. Feb. 28, 1966. 16 Ag87
- 32543 STEED, J. N. The cherry industry in South Australia. S. Australia J. Agr. 70(4):114-121. Nov. 1966. 23 So84
Chiefly culture.
- 32544 STORTZER, M. Increasing yields of sweet cherries with the change of cultural practices. (Ge) Obstbau [Berlin] 6(8):120-122. Aug. 1966. 80 Ob79
Chiefly pruning and planting density.
- 32545 TRUSEVICH, G. V. How to use slow growing trees. (Rus) Sadovodstvo 11:35. Nov. 1966. 80 Sa13
Planting of deciduous fruit.
- 32546 VOLKEL, H. Study of the coalescence in various methods of grafting. (Ge) Obstbau [Berlin] 6(9):134-136. Sept. 1966. 80 Ob79
Pears.
- 32547 WALKER, D. R., ANDERSON, J. L., and CALL, A. B. Pruning bearing trees and rejuvenating old trees. Utah Farm Home Sci. 27(2):55-58. June 1966. 100 U1F
Deciduous fruit.
- 32548 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. HORTICULTURE DIV. Chemical thinning of apples: spray recommendations for 1966. West. Australia Dep. Agr. J. (ser.4)7(9):395-397. Sept. 1966. 23 W52J
Use of Sevin, NAA, and NAD.
- Small Fruits
- 32549 AALDERS, L. E. Canada: progress in the selection and culture of lowbush blueberries. Maine. Agr. Exp. Sta. Misc. Rep. 118:90-92. 1966. 100 M28M
- 32550 AMBROSI, H. Hints on successful grafting. (Af) Wynboer 408:15-17. Sept. 1965. 390.8 W724
Grapes.
- 32551 BECKER, H. 75 years of grape breeding in Germany. (Ge) Weinberg Keller 13(4):143-158. Ref. Apr. 1966. 95.8 W435
- 32552 BJURMAN, B. Red currants. (Sw) Barodlaren 8(4):97-98. Sept. 1966. 80 B26
Varieties.
- 32553 CSEPREGI, P. Possibilities for application of high cultivation in unfavorable (winter-frost threatened) conditions. (Hu) Budapest. Kerteszeti Szolész. Foisoka. Közleményei 30(1):53-65. Ref. 1966. 80 B85
French summary.
- 32554 DANA, M. N., and KLINGBELL, G. C. Cranberry growing in Wisconsin. Wis. Univ. Ext. Circ. 654, 39 p., map. Ref. July 1966. 275.29 W75C
- 32555 DARROW, G. M. Blueberry research. Maine. Agr. Exp. Sta. Misc. Rep. 118:3-8. Ref. 1966. 100 M28M
- 32556 DARROW, G. M. The strawberry; history, breeding and physiology. New York, Holt, 1966. 477 p. SB385.D3
Bibliography, p.426-433.
- 32557 DRAPER, A. D., SCOTT, D. H., and HOUGH, L. F. Highbush blueberry variety and selection evaluation. Maine. Agr. Exp. Sta. Misc. Rep. 118:93-96. 1966. 100 M28M
- 32558 GATTONI, L. A. Una mora silvestre cultivada (Rubus glaucus) [A cultivated wild blackberry (Rubus glaucus)]. Santa Tecla. Dir. Gen. Invest. Agron. Circ. 66, 12 p. Aug. 1965. 8 Sa36
- 32559 HAESELER, C. W. Lowbush blueberry (Vaccinium angustifolium Ait.) and its close relatives; demonstrations and observations in northeastern Pennsylvania. Maine. Agr. Exp. Sta. Misc. Rep. 118:137-140. 1966. 100 M28M
Culture.
- 32560 HALL, I. V., and others. Blueberry varieties and breeding. Maine. Agr. Exp. Sta. Misc. Rep. 118:71-90. 1966. 100 M28M
Florida, by R. H. Sharpe; Georgia, by W. T. Brightwell; North Carolina, by G. J. Galletta; New Jersey, by C. Stushnoff and L. F. Hough; Michigan, by S. Johnston, Maine, by R. M. Bailey.
- 32561 HUBER, H. The year 1965 in the Sternenhälder vineyard. (Ge) Schweiz. Z. Obst- Weinbau 102(12):314-317. June 11, 1966. 80 Sch9
Yields.
- 32562 KENDER, W. J. Domesticating the lowbush blueberry. Maine. Agr. Exp. Sta. Misc. Rep. 118:147-149. 1966. 100 M28M
Culture in Maine.
- 32563 KRAUS, V. A contribution to the breeding of grape varieties of early ripening and quality. (Ge) Brno. Vysoka Sk. Rada A. Spisy Fak. Agron. 2:177-182. 1966. 105.92 B833
French summary.
With high content of sugars.

- 32564 LAUSANNE. Ecole Supérieure de Viticulture et d'Oenologie [Higher School of Viticulture and Enology]. Ann. Agr. 6:55-58. 1966/1967. 17 An73
- 32565 MAZZINI, C. Culture of strawberries under plastic films in Ferrara. (It) Agr. Ferrarese 70(5):94-101. May 31, 1966. 16 Ag87
- 32566 MELLONI, T. New developments in viticulture in Ferrara. (It) Agr. Ferrarese 70(6):118-127. June 30, 1966. 16 Ag87
- 32567 MENDOZA. BOLSA DE COMERCIO. DEPT. ECONOMICO. Grapevine in vase, arbor, or counter-espallier shape. (Sp) Oeste 5(14):55-59. First Q. 1966. 287 Oe8
Based on an unpublished monograph by E. Gargantini.
- 32568 MOORE, J. N., and SCOTT, D. H. Breeding value of various blueberry varieties and selections for northeastern United States. Amer. Soc. Hort. Sci. Proc. 88:331-337. 1966. 81 Sol2
- 32569 MURRAY, R. A. Extension activities in Nova Scotia. Maine. Agr. Exp. Sta. Misc. Rep. 118: 140-143. 1966. 100 M28M
Blueberry culture.
- 32570 NILSSON, F. New varieties of black currants. (Sw) Barodlaren 8(4):92-95. Sept. 1966. 80 B26
- 32571 NORTH AMERICAN BLUEBERRY WORKERS CONFERENCE, ORONO, MAINE, 1966. Proceedings, edited by W. J. Kender and D. A. Abdalla. Maine. Agr. Exp. Sta. Misc. Rep. 118. 152 p. 1966. 100 M28M
Includes welcome address by W. C. Libby.
- 32572 PAVLOV, N. Study on the effectiveness in using polyethylene covers for forcing of ripening table grapes. (Bu) Gradinarska Lozarska Nauk. 2(2):241-255. Ref. 1965. 87 G75
French summary.
- 32573 STANEV, V. Certain problems in pruning Pinot Noir grapes. (Bu) Gradinarska Lozarska Nauk. 2(1):113-121. 1965. 87 G75
French summary.
- 32574 WAITE, S. E. Pruning lowbush blueberries with L. P. gas. Maine. Agr. Exp. Sta. Misc. Rep. 118:59-60. 1966. 100 M28M
Use of propane in Maine.
- 32575 YANIN, G. I. Quantitative regulation of the leaf surface of grape bushes. (Rus) Fiziol. Rast. 13(3):528-536. Ref. May/June 1966. 450 P56
English summary.
- 32576 ZULUAGA, P. A., and IGLESIA, F. J. DE LA. Incidence of late and early frosts in the Argentine grape zone. (Sp) Oeste 5(14):23-38. First Q. 1966. 287 Oe8
Includes discussion of varieties suited to different climatic zones.

Nuts

- 32577 BOZHKO, N. V. Cultivation of soil in the filbert gardens. (Rus) Sadovodstvo 11:30. Nov. 1966. 80 Sa13
Corylus avellana.
- 32578 BROZEK, S. Some problems of successful cultivation of almond. (Hu) Tud. Tanacsadoja, p. 10-11. In Kerteszeti Szólesz. 15(21). Nov. 1966. 80 K474
- 32579 MERCADO-FLORES, I., and KESTER, D. E. Factors affecting the propagation of some interspecific hybrids of almond [Prunus amygdalus] by cuttings. Amer. Soc. Hort. Sci. Proc. 88:224-231. Ref. 1966. 81 Sol2
- 32580 PEREVAROVA, Z. Persian walnut in Chernovtsy Region. (Rus) Sadovodstvo 11:31. Nov. 1966. 80 Sa13
Culture.
- 32581 TURDIEV, S. YU. Juglans regia L. in the foothills of the Ketmen Mts. (the Kazakh Soviet Socialist Republic). (Rus) Rastitel. Resursy 1(2):269-271. 1965. 450 R18
Introduction.
- 32582 YABLOKOV, A. S. Breeding new filbert varieties. (Rus) Sadovodstvo 11:28-29. Nov. 1966. 80 Sa13

Shade Trees and Ornamental Plants

- 32583 AALSMEER. PROEFSTATION VOOR DE BLOEMISTERIJ IN NEDERLAND. Jaarverslag [Annual report of the Experimental Station for Floriculture in Netherlands], 1965. Aalsmeer, 1966. 134 p. 86 Aa4
- 32584 BEATTIE, J. Schizophragma hydrangeoides red form. Roy. Hort. Soc. J. 91(12):514. Dec. 1966. 84 L84J
- 32585 BELGRAVER, W. Comparative trials with EE-strains of carnations. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:37-38. 86 Aa4
- 32586 BELGRAVER, W. Variety trials 1964-1965. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:30-35. 86 Aa4
Carnations.
- 32587 BELGRAVER, W. Variety trials 1965. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:36-37. 86 Aa4
Carnations.
- 32588 BELGRAVER, W. Yields from heavy stands of carnations. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:38-40. 86 Aa4
- 32589 BOHMIG, F. Schnittblumen [Cut flowers]. Ed. 4. Radebeul, Neumann, 1966. 777 p. (Gartnerische Kulturpraxis) SB406.B6
Culture and varieties.
- 32590 BONAR, A. Lawns. Amateur Gard. Picture Book 13, 60 p. 1965. 80 Am16
Planting and care.
- 32591 BOOM, B. K. Tradescantia pexata H. E. Moore. (Du) Succulenta 45(11):163-164. Nov. 1966. 450 Su12
Culture.
- 32592 BROWN, W. L. Growing outdoor snapdragons in the Deep South. La. Agr. 10(1):12-13, 15. Fall 1966. 100 L939
- 32593 BUTCHER, C. Landscaping. Wyo. Univ. Ext. Circ. 188, 12 p. Sept. 1965. 275.29 W99C
- 32594 BUTCHER, C. Shrubs. Wyo. Univ. Ext. Circ. 180, 19 p. Sept. 1965. 275.29 W99C
Culture.
- 32595 BUTCHER, C. Trees. Wyo. Univ. Ext. Circ. 179, 15 p. Sept. 1965. 275.29 W99C
Culture of ornamental trees.
- 32596 CLEMSON UNIVERSITY. EXTENSION SERV. Let's get rid of the blots on South Carolina's beauty. Clemson Univ. Ext. Misc. Circ., July 1966, 12 p. 275.29 So8M
- 32597 CROSS, J. E. Pelargoniums for all purposes. London, Collingridge, 1965. 103 p. SB413.G35C7
- 32598 CULBERT, J. R., and HICKMAN, D. African violets [Saintpaulia]. Ill. Univ. Ext. Circ. 942, 32 p. Sept. 1966. 275.29 IL62C
Culture.
- 32599 DIX, J. F. C. South Africa, homeland of a world famous flora. (Du) Zaadbelangen 20(19): 434-435. Oct. 15, 1966. 61.8 Z1
Origin of many cultivated ornamentals.
- 32600 FINLAY, M. W., and FINLAY, W. G. K. Primula (Petiolares section) at Keillour. Roy. Hort. Soc. J. 91(11):456-461. Nov. 1966. 84 L84J
- 32601 FINNIS, V. Rheum alexandreae. Roy. Hort. Soc. J. 91(12):513. Dec. 1966. 84 L84J
- 32602 FRANSEN, J. W. Selection of Chrysanthemum novelties. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:59. 86 Aa4
- 32603 GALLAGHER, J. T. Nerine bowdenii "Fenwick's variety" F.C.C. Roy. Hort. Soc. J. 91(12):514-515. Dec. 1966. 84 L84J
- 32604 GELEIN, C. Comparison of Impatiens varieties. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:90-91. 86 Aa4
- 32605 GELEIN, C. A comparison of Petunia grandiflora varieties. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:96-98. 86 Aa4
- 32606 GEOFFRAY, C. The industrial culture of chrysanthemums: the Arcy greenhouses. (Fr) Rev. Appl. Elec. 39(spec.no.213):136-139. Second Q. 1966. 335.8 R32

- 32607 HADFIELD, M. One man's garden. London, Phoenix House, 1966. 217 p. Ref. SB453.3.G7H3
- 32608 HAFER, E. F. The greened leaf. New York, Vantage Press, 1966. 271 p. SB453.H33
Chiefly culture of ornamental plants; includes physiological aspects.
- 32609 HALLOWES, F. The greater London council's parks department. Roy. Hort. Soc. J. 91(12): 502-505, map. Dec. 1966. 84 L84J
Ornamentals.
- 32610 HAY, R. Flower garden guide. Sampson, 1965? 128 p. SB406.H3
- 32611 HAY, R., ed. Garden planning guide. Great Missenden, England, Low, Marston, 1965. 128 p. SB453.H3
- 32612 HEIDE, O. M. Propagation of fall Begonia, B. x hiemalis, with cuttings. (No) Gartneryrket 56(50):1123-1125. Dec. 9, 1966. 80 G1938
- 32613 HINDLE, R. J. Tivoli's gardens are grand-backyard gardens are better; how life can be beautiful on an English estate 10 by 10. R. I. Agr. 12(4):4-5. Oct. 1966. 100 R342
- 32614 HUBAY, R. Problems in cultivation of Vinca minor and the effects of mineral fertilizers. (Hu) Herba Hung. 5(1):17-23. 1966. 71.8 H413
German summary.
- 32615 JONGKIND, M. Cold treatment of lilac and Forsythia. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:121. 86 Aa4
Forcing.
- 32616 KELWAY, C. Gardening on sand. London, Collingridge, 1965. 144 p. SB454.K4
Chiefly ornamentals.
- 32617 LEFFRING, L. Kalanchoe-hybrids. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:92. 86 Aa4
- 32618 LONG, R. W. Artificial interspecific hybridization in Ruellia (Acanthaceae). Amer. J. Bot. 53(9):917-927. Ref. Oct. 1966. 450 Am36
- 32619 MACQUEEN, S. The calendar of flowers; a guide for gardeners. London, Ebury Press, 1965. 171 p. SB449.M3
Chiefly flower arrangement.
- 32620 MARSBERGEN, V. VAN. Transplanting of new rose varieties. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:101-105. 86 Aa4
- 32621 MAY, J. W., and FULTS, J. Turfgrass varieties for Colorado, a progress report. Colo. Agr. Exp. Sta. Pam. 6-8, 6 p., folder. June 1966. 100 C712P
- 32622 NELSON, W. R., and PORTER, J. A. Improving your community's public square. Ill. Univ. Ext. Circ. 946, 19 p. Oct. 1966. 275.29 IL62C
- 32623 NELSON, W. R., and PORTER, J. A. Planning a better school landscape. Ill. Univ. Ext. Circ. 945, 19 p. Sept. 1966. 275.29 IL62C
- 32624 NICHOLLS, J. M. Keep wonderful Wyoming beautiful; (a community beautification activity) for 4-H Clubs and members. Wyo. Univ. Ext. [4-H Club. Circ.] CB-5-66, 14 p. Apr. 1966. 275.29 W99Fc
- 32625 O'BRIEN, H. R. Perennials are for busy people. Nation's Agr. 42(1):5-8. Jan. 1967. 280.82 B89
- 32626 RANDALL, H. J. Tall bordered irises. Roy. Hort. Soc. J. 91(11):461-465. Nov. 1966. 84 L84J
- 32627 RUNDLE, R. V. G. Shrubs. Amateur Gard. Picture Book 14, 60 p. 1965. 80 Am16
Varieties and culture.
- 32628 SCHMITT, R. J. A comparison of Lorraine-Begonia assortments. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:56-58. 86 Aa4
- 32629 SCHMITT, R. J. New Cyclamen varieties. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:74. 86 Aa4
- 32630 SMITH, T. M. D. *Puya chilensis* at Tresco. Roy. Hort. Soc. J. 91(12):512. Dec. 1966. 84 L84J
Tresco gardens.
- 32631 STOCKEN, C. *Dimorphotheca chrysanthemifolia*. Roy. Hort. Soc. J. 91(12):513-514. Dec. 1966. 84 L84J
- 32632 STOWELL, J. P. Bonsai: indoors and out. Princeton, Van Nostrand, 1966. 134 p. Ref. SB433.5.88
- 32633 THOMAS, G. S. Roses at Abbott's Hall. Roy. Hort. Soc. J. 91(11):465-469. Nov. 1966. 84 L84J
- 32634 TITMAN, P. W. Americans abroad. Roy. Hort. Soc. J. 91(12):515-518. Dec. 1966. 84 L84J
Ornamentals.
- 32635 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing Camellias. U. S. D. A. Home Gard. Bull. 86, slightly rev., 12 p. Nov. 1966. 1 Ag84Hg
- 32636 U. S. DEPT. OF AGRICULTURE. USDA leadership for a more beautiful countryside. U. S. D. A. PA-779, 15 p. Oct. 1966. 1 Ag84Pro
- 32637 VANNICOLA, M. The Chrysanthemum: history, varieties, culture. (It) Ital. Agr. 103(10):891-909. Oct. 1966. 16 It1
- 32638 VEEN, J. W. H. VAN, and TERMOHLEN, G. P. Improving varieties of Antirrhinum without sideshoots. (Du) Naaldwijk. Proefsta. Groenten-Fruittel Ouder Glas. Jaarverslag 1965: 129-140. 86 N112J
English summary, p. 6-7 of summary section.
- 32639 WALLACE, J. C. The holly [Ilex aquifolium] and the ivy [Hedera helix]. Agr. Northern Ireland 41(8):258-260. Dec. 1966. 256.13 Ag82M
- 32640 WESENBERG, B. G. Greens for houses. Utah Farm Home Sci. 27(1):3-5, 44. Mar. 1966. 100 U1F
- 32641 WRIGHT, D. Beauty of stems in winter. Roy. Hort. Soc. J. 91(11):469-475. Nov. 1966. 84 L84J
- 32642 WYOMING UNIVERSITY, COLLEGE OF AGRICULTURE EXTENSION SERV. Community beautification report. Wyo. Univ. Ext. [4-H Club. Circ.] CB-5a-66, 8 p. June 1966. 275.29 W99Fc

Vegetable and Truck Crops (Including Potatoes)

- 32643 AMERICAN SEED TRADE ASSOCIATION. GARDEN SEED RESEARCH COMMITTEE. New vegetable varieties; list XII, edited by P. A. Minges. Amer. Soc. Hort. Sci. Proc. 88:718-732. 1966. 81 So12
- 32644 ASSCHE, F. VAN. Cauliflower culture. (Fl) Tuinbouwberichten 30(3):79-81. Mar. 1966. 80 T817
- 32645 ATANASOV, N. Opportunities for substituting polythene for glass in tomato seedling production. (Bu) Gradinarska Publikacija Nauk. 2(2): 205-212. 1965. 87 G75
English summary.
- 32646 BALAZS, S. Experiences in mushroom culture under glass. (Hu) Kertesz Szolész. 15(21): 8-9. Nov. 1966. 80 K474
- 32647 BETZEMA, J., and SNOEK, N. J. Cauliflower varieties for summer culture. (Fl) Tuinbouwberichten 29(12):518-519, 510. Dec. 1965. 80 T817
- 32648 BOROS, J., and RETHY, B. Pre-sprouting of seed potato under foil tent. (Hu) Magyar Mezőgazdaság 21(47):10. Nov. 23, 1966. 19 M27
- 32649 BUTLER, A. N. L. The production of pickling cucumbers in Ontario. Ontario, Hort. Exp. Sta. Rep. 1965:95-98. 1966. 101 On823
Includes industry.
- 32650 CARTECHINI, A. Agronomical characteristics of potato varieties. (It) Prog. Agr. [Bologna] 12(10):981-992. Oct. 1966. 58.8 P94
- 32651 CELIUS, R. Potato and root crop varieties on marshland. (No) Norske Myselsk. Medd. 64 (2):59-60. Apr. 1966. 11 N813
- 32652 CERUTI, A. Truffle culture in Italy. (It) Turin. Accad. Agr. Ann. 107:131-142. Ref. 1964/65. 16 T63
- 32653 CHROBOCZEK, E. The organization and activities of the Vegetable Horticulture Institute [Instytut Warzywnictwa]. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest Food Indus. 489:12-18. Nov. 10, 1966. (JPRS 38,588; TT 66-35013) 173 J663St
At Skierniewice, Poland.
Translation from Nowe Rolnictwo 17:22-24. Sept. 1966.
Issued by CFSTI.

- 32651 DAVIS, D. W., and STONER, A. K. Comparison of several rapid methods of juice extraction in soluble solids determination in tomato. *HortScience* 1(4):18-19. Winter 1966. SB1.H6 For breeding purposes.
- 32655 DAVIS, D. W., and WEBB, R. E. First generation crosses between a new virescence-free tobacco mosaic resistant tomato line and susceptible commercial varieties. *Amer. Soc. Hort. Sci. Proc.* 88:557-563. Ref. 1966. 81 S012
- 32656 DAVIS, E. W. Uniformity of two-way versus three-way hybrid onions. *Amer. Soc. Hort. Sci. Proc.* 88:451-455. 1966. 81 S012
- 32657 DEBAECKE, N., and ROESLARE, V. T. T. A comparison of lettuce varieties in the West Flanders. (Fl) *Tuinbouwberichten* 30(10):354. Oct.1966. 80 T817
- 32658 DIJK, F. G. VAN. Is soil heating useful? (Du) *Groenten Fruit* 22(22):891. Dec.7,1966. 80 G89
In connection with greenhouse culture of vegetables.
- 32659 DODGE, J., MALOY, O., and BRANNON, D. Home gardens. *Wash. State Univ. Ext. Bull.* 422,rev.,27 p. Apr.1966. 275.29 W27P Vegetables.
- 32660 FILIA, M. Raising of seedlings. (Hu) *Kerteszet Szolesz.* 15(22):16-17. Nov.1966. 80 K474 Vegetables.
- 32661 FRITSCH, G. Experiments on maintenance of strains of the cultivated mushroom. II. Propagation by tissue culture. (Ge) *Zuchter* 36(5):224-233. Ref. 1966. 44.2 8 Z English summary.
- 32662 FROST, A. A. Produce lettuce when they pay. *Agr. Northern Ireland* 41(8):253-257. Dec.1966. 256.13 Ag82M
Culture; includes supply and demand.
- 32663 GALIEN, M. V. D. How can we raise our potato yields? (Du) *Pootaardappelhandel* 19(5):19-20. Dec.1965. 286.83 P79
- 32664 GROWING tomatoes for machine harvesting. II. Planting, secondary tillage, pest control, and thinning. *World Farming* 8(9):36-39,47. (Cont.) Sept.1966. 30.08 W89
Includes chemical control of weeds.
- 32665 GUZMAN, V. L. Performance tests with bush snap beans. *Fla. Everglades Exp. Sta. Mimeo Rep.* EES67-2,7 p. Aug.1966. 100 F663
Not available free from issuing agency. Photocopies may be ordered from the Library.
- 32666 GYONGYOSSY, G. Large-scale storage of vegetable cuttings. (Hu) *Kerteszet Szolesz.* 15(21):15. Nov.1966. 80 K474
- 32667 GUZMAN BONILLA, J. Keys for distinguishing the varieties of avocado. (Sp) *Agricultura [Santo Domingo]* 434/435:7,10. July/Aug.1966. 8 R323
- 32668 HAWKES, J. G., and HEJTING, J. P. Potato collecting expedition in Argentina, 1966. *Amer. Potato J.* 43(11):427. Nov.1966. 75.8 P842
- 32669 HERINGA, R. J. Research on pea breeding. (Du) *Peulvruchten Stud. Combinatie. Meerjarenplan Onderz. Akkerbouwpeulvruchten* 8:5-7. 1966. 60.38 P46
- 32670 KEISERS, J. Specialization: Witloof culture problems. (Fl) *Tuinbouwberichten* 30(2):42-44. Feb.1966. 80 T817
Includes crop rotation.
- 32671 KEISERS, J. Transplanting of tomatoes. (Fl) *Tuinbouwberichten* 30(2):50-51. Feb.1966. 80 T817
- 32672 KHANNA, M. L. Multiple resistance to heat, drought, frost, charcoal rot and nematode in commercial potatoes. *Cur. Sci.* 35(19):494-496. Oct.5,1966. 475 Sc123
Varietal test.
- 32673 KLAPWIJK, D. 20 kg. lettuce in the winter. (Du) *Groenten Fruit* 22(21):863. Nov.30,1966. 80 G89
Greenhouse culture.
- 32674 LABEEUW, N., and SMEDT, A. DE. Comparative tomato variety trial at Oostkamp. (Fl) *Tuinbouwberichten* 29(12):514-517. Dec.1965. 80 T817
- 32675 LABEEUW, N. Selection of lettuce varieties. (Fl) *Tuinbouwberichten* 30(10):370. Oct.1963. 80 T817
- 32676 LAMMERS, R. P., and POST, B. P. V. D. Considerations on the breeding, culture, processing, marketing and consumption of legumes. (Du) *Peulvruchten Stud. Combinatie* 1965:11-41. 60.39 P46
Chiefly breeding and culture.
- 32677 LINDEN, L. VAN DER. Leek: an important vegetable in our country. (Fl) *Tuinbouwberichten* 30(2):48-49. Feb.1966. 80 T817
Culture.
- 32678 LINDFORS, S. Forsok med utlandska "sorter" av vitkål vid Alnarp 1964-1965. Trials of foreign cabbage varieties and F₁-hybrids at Alnarp 1964-1965. Uppsala. *Lantbrukshogsk. Medd.* Ser. A, 62,8 p. 1963 11 Up52
English summary.
- 32679 MARSTON, M. E., and HEYDECKER, W. Rapid clonal multiplication of chicory (*Cichorium intybus* L.) from shoots, roots and leaves. *Roy. Hort. Soc. J.* 91(12):510-512. Dec.1966. 84 L84J
- 32680 MARVEL, M. E., and MONTELARO, J. Toma-to production guide. *Fla. Univ. Ext. Circ.* 98C, 14 p. Aug.1966. 275.29 F66C
Includes varieties.
- 32681 MAZZINI, C. The use of plastics in water-melon culture. (It) *Agr. Ferrarese* 70(3):49-56. Mar.31,1966. 16 Ag87
Growing under plastic sheets.
- 32682 MESZOLY, GY. Reflections on this year's tomato crop. (Hu) *Kerteszet Szolesz.* 15(21):3-4. Nov.1966. 80 K474
Includes suggestions to increase yield.
- 32683 MOHR, H. C., and KNAVEL, D. E. Progress in the development of short-internode (bush) cantaloupes. *HortScience* 1(1):16. Winter 1966. SB1.H6
- 32684 MULLER, H., and JORDI, H. On potato harvesting for satisfactory quality products. (Ge) *Grune* 94(32/8):1135-1144. Aug.12,1966. 17 Sch9
Harvesting and grading in Switzerland.
- 32685 MULLIN, R., BLOMQUIST, A. W., and LAUER, F. L. Effect of seed tuber size on first clonal generation yield of potatoes. *Amer. Potato J.* 43(11):418-423. Nov.1966. 75.8 P842
- 32686 NAALEDWIJK. PROEFSTUATIE VOOR DE GROENTE- EN FRUITTEELT ONDER GLAS. Jaarverslag [Annual report of the Experimental Station for Greenhouse Culture of Vegetables and Fruit]. 1965. Naaldwijk, 1965. 207 p. 86 N112J
- 32687 PAGACZ, E. Soilless vegetable culture in Cayenne. (Fr) *Agron. Trop. [Paris]* 21(8):934-944. Aug.1966. 26 Ag86
English summary.
- 32688 PREOTEASA, C. Quality of some varieties and lines of beans produced in Rumania. (Rum) *Probl. Agr. [Bucharest]* 18(10):73-81. Oct.1966. 21 R862
English summary.
- 32689 RHODES, A. M., and CARMER, S. G. Classification of sweet corn inbreeds by methods of numerical taxonomy. *Amer. Soc. Hort. Sci. Proc.* 88:507-515. Ref. 1966. 81 S012
- 32690 SENE, D. Inventory of the chief varieties of cowpeas (*Vigna unguiculata* Walpers) grown in Senegal. (Fr) *Agron. Trop. [Paris]* 21(8):927-933, map. Aug.1966. 26 Ag86
English summary.
- 32691 SMITTLE, D., and BRADLEY, G. The effects of irrigation, planting and harvest dates on yield and quality of peas. *Amer. Soc. Hort. Sci. Proc.* 88:441-446. Ref. 1966. 81 S012
- 32692 SOLANO, R. Culture of eggplant. (Sp) *Vida Agr. [Lima]* 42(504/505):531,533. Nov./Dec. 1965. 9.8 V66
- 32693 STAMBERA, J., and HALAMEK, R. Greenhouse culture of tomato varieties (*Solanum lycopersicum* L.) in peat soils. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada A. Spisy Fak. Agron.* 2:153-160. 1966. 105.92 B633
English summary.

- 32694 STRIJBOSCH, T., and TERMOHLEN, G. P. Propagating tomatoes. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas, Jaarverslag 1965:89-92. 86 N12J
English summary, p.6 of summary section.
- 32695 SZUCS, M. The gray giant peas of Szeged. (Hu) Magyar Mezőgazdaság 21(49):11. Dec. 7, 1966. 19 M27
- 32696 TARDIEU, M., and SENE, D. The cowpea (*Vigna unguiculata* Walpers) in Senegal. (Fr) Agron. Trop. [Paris] 21(8):918-926. Aug. 1966. 26 Ag86
English summary.
Chiefly culture.
- 32697 TIERENS, A. Directions for planting of asparagus. (Fl) Tuinbouwberichten 29(12):534. Dec. 1965. 80 T817
- 32698 UFFELEN, J. A. M. VAN. Quality defects of cucumbers. (Du) Groenten Fruit 22(22):895. Dec. 7, 1966. 80 G89
Culture.
- 32699 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Production of turnips and rutabagas. U. S. D. A. Leaflet 142, rev., 8 p.-folder. Sept. 1966. 1 Ag84L
Chiefly culture.
- 32700 VARGAS S., R. Bean varieties and planting time. (Sp) Vida Agr. [Lima] 42(504/505):509-510, 512, 514-515, 517, 519-520. Nov./Dec. 1965. 9.8 V66
Peru.
- 32701 VERLINDEN, J. Accelerated outdoor culture of beans. (Fl) Tuinbouwberichten 29(12): 528-529. Dec. 1965. 80 T817
- 32702 WEISAETH, G. Experiments with wintering of leek. (No) Gartneryrket 56(46):1031-1032. Nov. 11, 1966. 80 G1938
Varieties and hardiness.
- 32703 WIEBE, J. Spacing, harvesting, and sequence of planting of pickling cucumbers. Ontario. Hort. Exp. Sta. Rep. 1965:73-77. 1966. 101 On823
- 32704 WOODBURY, G. W. Increasing vegetable production with plastics. Idaho Agr. Exp. Sta. Bull. 474, 8 p. Oct. 1966. 100 Id14
- 32705 ZINK, F. W. Effect of rate of seeding and date and method of thinning on growth and harvest density of head lettuce. Amer. Soc. Hort. Sci. Proc. 88:417-424. 1966. 81 So12
- 32706 ZWAAN, R. J. 25 years of breeders rights. Zaaibelangen 20(18):392-394. Sept. 30, 1966. 61.8 Z1
Text also in Dutch, p.380-382; in French, p.384-386; in German, p.388-391.
Vegetables.
- Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)
- 32707 BROWNLOW, M. E. The delights of herb-growing. Sevenoaks, Kent, 1965. 228 p. SB351.H5B7
- 32708 CARVAJAL, J. F. The role of laboratory studies in the development of coffee culture in Costa Rica. (Sp) Cafe [Lima] 6(1):7-15. July/Oct. 1965. SB269.A1C3
English summary.
Review of the literature.
- 32709 ESQUIVEL, T., and FERNANDEZ, A. Cumin gives splendid results in Ilapel. (Sp) Agr. Ganad. [Santiago] 9(31):16-20. Dec. 1965. 9.3 Ag88
Culture in Chile.
- 32710 FLACCOMIO, E. Ornamental and essential oil flowers on our windows, verandas, and in our courtyards: the Geranium. (It) Riv. Ital. Essenze—Profumi—Piante Offic.—Aromi—Saponi—Cosmet.—Aerosol 48(9):606a. Sept. 1966. 308.8 R52
Culture of the plant for oil.
- 32711 HANSSON, A. Honey plants. 21. Red clover. (Sw) Bitidningen 65(11):328-329, map. Nov. 1966. 424.8 B54
- 32712 HARLER, C. R. Tea growing. London, Oxford University Press, 1966. 162 p. Ref. (Oxford Tropical Handbooks) SB271.H3
- 32713 INTERNATIONAL DRUG PLANT SYMPOSIUM, BUDAPEST, 1965. Papers presented. Herba Hung. 5(2/3):317 p. Ref. 1966. 71.8 H413
Papers in Hungarian, German, English or French.
- 32714 KERÉKES, J. Cultivation experiments with camomile [*Matricaria chamomilla* L.]. (Hu) Herba Hung. 5(2/3):141-147. 1966. 71.8 H413
German summary.
- 32715 KONDRATENKO, P. T., and GUBANOV, I. A. Main accomplishments and perspectives of the All-Russian Drug and Essential Oil Plant Research Institute [Vsesoyuznyi Nauchno-Issledovatel'skii Institut Lekarstvennykh i Aromaticheskikh Rastenii]. (Rus) Herba Hung. 5(1): 107-115. Ref. 1966. 71.8 H413
German summary.
- 32716 KUCHEROV, E. V. Investigation and utilization of plant resources of the Bashkir Autonomous Soviet Socialist Republic. (Rus) Rastitel. Resursy 1(2):186-194. Ref. 1965. 450 R18
Chiefly drug plants.
- 32717 LORINCZ, MRS. GY., and TETENYI, P. Distant crossing of *Papaver somniferum* (Papaver somniferum L. x *Papaver orientale* L.) (Rus) Herba Hung. 5(1):95-105. Ref. 1966. 71.8 H413
German summary.
- 32718 LORINCZ, MRS. GY. Results of comparative experiments of coriander (*Coriandrum sativum* L.) species and strains. (Hu) Herba Hung. 5(1):25-30. 1966. 71.8 H413
German summary.
Yield studies.
- 32719 MALDONADO P., E. La palma africana (*Elaeis guineensis* Jacq.) [The African oil-palm]. Quito, INIAP, 1965. 40 p. SB299.P3M3
Chiefly culture.
- 32720 MATHE, I. Drug plants of the Hungarian flora and some characteristic traits of the botanical nature of our drug plant research. (Hu) Herba Hung. 5(2/3):16-22. 1966. 71.8 H413
German summary.
- 32721 MEDVEDEVA, L. I. Some essential-oil and spice plants of Daghestan. (Rus) Rastitel. Resursy 1(2):254-258. Ref. 1965. 450 R18
- 32722 OLLAGNIER, M. French-Colombian cooperation, the oil palm estate of San Alberto. (Sp) Oleagineux 21(10):575-582, map. Oct. 1966. 77.8 O12
English summary, p. XLVII.
Chiefly culture.
- 32723 PELMENEV, V. K. Melliferous plants of the Amur Valley illustrated by the example of the village Troitzkoye, the Nanaian District of the Khabarovsk Territory. (Rus) Rastitel. Resursy 1(2):195-205. 1965. 450 R18
- 32724 SILVA, F., MIHALEA, A., and PAUN, E. Contributions to the establishment of the harvesting method of *Digitalis lanata* Ehrh. (Ge) Herba Hung. 5(2/3):295-305. Ref. 1966. 71.8 H413
English summary.
- 32725 SMIRNOVA, G. K., and SHRETER, A. I. The distribution and the resources of raw materials supplied by *Aralia schmidtii* Pokr. (Rus) Rastitel. Resursy 1(2):251-254. 1965. 450 R18
As drug plant.
- 32726 SOKOLOV, V. S., SATSUPEROVA, I. F., and BALABAS, G. M. Results of research in the field of drug plants at the Komarov's Botanical Institute of Academy of Sciences of USSR [Akademiya Nauk SSSR, Botanicheskii Institut imeni V. L. Komarova]. (Rus) Herba Hung. 5(1):45-54. Ref. 1966. 71.8 H413
German summary.
- 32727 STARY, F. Present status of breeding and propagation of drug plants in Czechoslovakia. (Ge) Herba Hung. 5(2/3):119-122. 1966. 71.8 H413
- 32728 STEIN, M. Reflections on drug plant breeding. (Ge) Herba Hung. 5(2/3):112-118. Ref. 1966. 71.8 H413
- 32729 SZATHMARI, G. Introduction and cultivation of drug plants. (Hu) Herba Hung. 5(2/3):135-137. 1966. 71.8 H413
German summary.

- 32730 TETENYI, P. Main research trends in the Drug Plant Research Institute [Gógynövény Kutató Intézet]. (Hu) *Herba Hung.* 5(2/3):10-15, 1966, 71.8 H413
German summary.
- 32731 TETENYI, P. Situation and principal methods of drug plant breeding. (Fr) *Herba Hung.* 5(2/3):100-111, Ref. 1966, 71.8 H413
Review of literature.
- 32732 VAN HAAREN, A. J. H. Rubber planting recommendations 1965-1966 for the Territory of Papua and New Guinea. *Papua New Guinea Agr. J.* 17(4):164-167, Dec. 1965, 23 N453
- 32733 VAN HAAREN, A. J. H. Rubber planting techniques. II-III. *Papua New Guinea Agr. J.* 17(4):145-148, 154-163, Ref. Dec. 1965, 23 N453
II, Nursery practices; III, Transplanting and maintenance.
- 32734 VENKATARAMAN, S. R. The Association of Planters of the State of Madras. *Planters' Chron.* 61(21):459-462, Nov. 1, 1966, 22 P693
Tea, coffee, and rubber.
- 32735 WILLIAMS, K. B. Herbs; the spice of a gardener's life. *Kansas City, Missouri Diversity Books*, 1965, 176 p. SB351.H5W5
- 32736 ZANOTTI, V., and DEOLA, A. Lavender and its hybrids. (It) *Riv. Ital. Essenze-Profumi-Plante Offic.-Aromi-Saponi-Cosmet.-Aerol.* 48(9):548-554, Sept. 1966, 308.8 R52
Chiefly culture and varieties.
- 32737 ZOLOTOVICH, G. New varieties of *Mentha spicata* and their volatile oils. (Rus) *Herba Hung.* 5(1):89-93, 1966, 71.8 H413
German summary.

PLANT PATHOLOGY AND PROTECTION

- 32738 ABREGO, L. Preliminary results of tests for preventing root diseases of the coffee plant. (Sp) *Credito Rural* (ser.2):159:3-4, Sept. 1965, 264.28 C863
El Salvador.
- 32739 BABICKA, J. Antibiotics in plant pathology in Czechoslovakia. (Rus) *Za Sotsialist. Sel'skokhoz.* *Nauk.* 15(3):207-216, Ref. 1966, 64.8 Z1
English summary.
- 32740 BALDACCI, E., and LOCCI, R. Review of phenolic substances in plants as factors in disease resistance. (It) *Riv. Patol. Veg.* (ser.4):1(2):5-32, Ref. Jan./June 1965, 464.8 R52
English summary.
- 32741 BLOOM, J. R. Germ-free culture methods used for studies of root diseases. *Sci. Farmer [Penn. Sta.]* 14(1):2-3, Fall 1966, 100 P381S
- 32742 ECONOMIC poisons for plant protection in Yugoslavia. (Se) *Biljna Zastita* 10(9/11):193-261, Sept./Oct. 1966, 464.8 B49
- 32743 HASEGAWA, C. Blastidicin S, polyoxin A and B; new antibiotics for agriculture. *Jap. Chem. Quart.* 2(2):50-51, Apr. 1966, HD9657.J3J3
For plant disease control.
- 32744 NOLANG, R. Regulation of treatment with mercury compounds. (Sw) *Västmanlands Länshushällningssällsk. Tidskr.* 4:6, 1965, 11 V44T
Seeds.
- 32745 PADILLA, R. C. Man-devised and natural means for the control of plagues. (Sp) *Fitofilo* 18(46):4-21, Ref. Apr./June 1965, 421 F55
Chiefly control of plant pests and diseases.
- 32746 PONTE, A. M. DA. Calendario-guia das adubacoes e tratamentos do cafezal Arabica contra pragas e doencas [Calendar-guide to fertilization and treatments of Arabica coffee plantations for control of pests and diseases]. *Nova Lisboa, Instituto de Investigacao Agronomica de Angola*, 1965, 7 p. SB608.C6P6
- 32747 WHELLAN, J. A. The Plant Protection Branch and its work. *Rhodesia Agr. J.* 63(2):29-31, Ref. Mar./Apr. 1966, 24 R34
Disease and insect research at Southern Rhodesia, Ministry of Agriculture.

Diseases of Field Crops

- 32749 BRUNI, O. Development and prospects of flax and sunflower diseases in our country. (Sp) *Inform. Grasas Aceites*. *Bol.* 3(7):60-63, Sept. 1965, 307.8 In3
Argentina.
- 32749 FREZZI, M. J. Peanut diseases. (Sp) *Inform. Grasas Aceites*. *Bol.* 3(7):75-78, Sept. 1965, 307.8 In3
Argentina.
- 32750 KAGAN, F., PIEKARCZYK, K., and STUDZINSKI, A. Prognoses of the appearance of some plant diseases and pests in Poland in 1966. *U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus.* 445: 96-106, June 20, 1966, (JPRS 36,072; TT 66-32506) 173 J663Ste
Chiefly field crops and fruit pests.
Translation from *Nowe Rolnictwo* 15(8):20-22, Apr. 1966.
Issued by CFSTI.
- 32751 KOSTIC, B., and SMILJAKOVIC, H. Diseases of wheat under conditions of intensive production and their control. (Se) *Agrohemija* 7/8: 331-342, Ref. 1966, 385 Ag87
English summary.
- 32752 LAVIOLETTE, F. A., PROBST, A. H., and WILCOX, J. R. Indiana soybean disease and crop condition survey, 1966. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 268, 4 p. Oct. 1966, 100 In2Res
- 32753 SKOOG, H. A. Field observations on the response of Maryland tobacco to false broomrape. *Plant Dis. Rep.* 50(9):627-628, Sept. 1966, 1.9 P69P
Causal agent unknown.
- 32754 SYMPOSIUM of the group for resistance biological grain research in Scandinavia, Alnarp, February 25, 1964. *Nord. Jordbrugsforsk.* 47(3):141-158, 1965, 11 N752
Papers in Danish and Swedish.
Grain diseases.
Includes discussion.
- 32755 WILLIS, C. B. Internal breakdown of red clover in Prince Edward Island. *Can. Plant Dis. Surv.* 46(3):83-84, Sept. 1966, 464.9 C16S

Diseases of Horticultural Crops

- 32756 ARTHOFER, R. Forecasting service in Burgenland grape growing and its practical results. (Ge) *Pflanzenarzt* 19(1):8-9, Jan. 1, 1966, 464.9 P482
Insects and diseases.
- 32757 BALDACCI, E. Sanitary requirements in the production of rootstocks and grape plants. (It) *Riv. Patol. Veg.* (ser.4)(2):95-108, Apr./June 1966, 464.8 R52
- 32758 HAGIN, M. Plant protection in vegetable growing. (Ge) *Landesverband, Gartenbau Landwirt. Berlin. Mitteilungsbl.* 17(3):13-14, Mar. 1966, 85 Lz33
Pests and diseases.
- 32759 HOWITT, A. J., and others. Aerial and ground ultra low volume applications in the control of diseases and pests attacking deciduous fruits. *Mich. Agr. Exp. Sta. Quart. Bull.* 49(1):90-102, Aug. 1966, 100 M58S
E. J. Klos, P. Corbett, and A. Pshea, joint authors.
Apples, cherries, and blueberries.
- 32760 JOHNSON, W. T., SINCLAIR, W. A., and WEIDHAAS, J. A. Diseases and insects of hawthorns and their control. *Cornell Univ. Ext. Cornell Ext. Bull.* 1172.12 p. July 1966, 275.29 N48E
Chemical control.
- 32761 KOKOVIC, S. V. Complex protection of grapes of Zupa region in 1965 with pesticides made by the "Zorka" manufacturing company at Sabac. (Se) *Agrohemija* 1/2:39-52, Ref. 1966, 385 Ag87
Control of *Plasmopara viticola*, *Uncinula necator* and grape moths.

- 32762 MARFURT, T. A., and TOSCANI, H. A. Indicaciones para tratamientos sanitarios en frutales [Directions for sanitary treatment of fruit trees]. Campanan. Estac. Exp. Agropecu. Delta Paraná. Bol. Divulgación 10, 16 p. Ref. 1965. 102.5 C1522
Spraying.
- 32763 MELLONI, T. Winter and spring spraying of fruit trees. (It) Agr. Ferrarese 70(1):1-8. Jan. 31, 1966. 16 Ag87
Apple and pear pest and fungus disease control.
- 32764 NELSON, J. W. Disease problems of highbush blueberries. Maine. Agr. Exp. Sta. Misc. Rep. 118:64-66. 1966. 100 M28M
Fungus, bacterial, and virus diseases.
- 32765 NYUJTO, F. Experiences on apoplexy of apricot in the Danube-Tisza gap region. (Hu) Tud. Tanacsadoja, p.2-4. In Kertesz Szólesz, 15(21). Nov. 1966. 80 K474
Causal agent not identified.
- 32766 ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying peaches. Ark. Univ. Ext. Leaflet 227, rev. 12 p.-folder. Sept. 1966. 275.29 Ar4Le
Diseases and insects.
- 32767 ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying plums and cherries. Ark. Univ. Ext. Leaflet 265, rev. 8 p.-folder. Apr. 1966. 275.29 Ar4Le
Diseases and insects.
- 32768 SCHENCK, N. C., and ADLERZ, W. C. Variations in compatibility among fungicide-insecticide-nutrient spray mixtures on watermelon. Plant Dis. Rep. 50(8):602-605. Aug. 1966. 1.9 P69P
Florida.
- 32769 SHANDS, H., VIEIRA, C., and ZAUMEYER, W. J. Observations on dry bean diseases in Brazil. Plant Dis. Rep. 48(10):784-787. Oct. 15, 1964. 1.9 P69P
Includes development of disease resistant varieties.
- 32770 THIJN, G. A. Inherited foliar necrosis in potatoes. (Du) Ned. Alg. Keuringdienst, Landbouwschap Aardappelpootgoed. Meded. 22(7):58-59. Nov. 1965. 61.9 N28
Insect and fungus disease control.
- 32771 TRIPOLI, L. DA. Phytosanitary measures for fruit trees in the province in 1966. (It) Agr. Ferrarese 70(8):160-165. Aug. 31, 1966. 16 Ag87
Insect and fungus disease control.
- 32772 WENZL, H. Further tests with the injection method on potato stands. (Ge) Pflanzenarzt 18(11):115-116. Nov. 1, 1965. 464.9 P482
Application of trapex and vapam for control of disease.
- Diseases of Forest Trees
- 32773 GILMOUR, J. W. The pathology of forest trees in New Zealand: the fungal, bacterial, and algal pathogens. Wellington. Forest Res. Inst. Tech. Pap. 48, 81 p., map. 1966. 99.9 W46T
Bibliography, p. 72-78.
- 32774 LUKOMSKI, S. Possibilities for using antibiotics in forestry. (Pol) Las Polski 40(23):12. Dec. 1/15, 1966. 99.8 L33
Disease control.
- 32775 PHILLIPS, D. H. Forest pathology. Great Brit. Forest. Comm. Rep. Forest Res. 1965: 61-64. 1966. 99.9 G795Re
- 32776 READ, D. J. Dieback disease of pines with special reference to Corsican pine, *Pinus nigra* var. *calabrica* Schn. I. The nature of the disease symptoms and their development in relation to the crown and to aspect. Forestry 39(2):151-161. Ref. 1966. 99.8 F767
- 32777 SIPPELL, W. L. Use of aircraft in the appraisal of forest insect and disease damage. Pulp Pap. Mag. Can. 67(12):WR588-WR591. Ref. Dec. 1966. 302.8 P96
- Bacterial Diseases - Field Crops
- 32778 CROSS, J. E., and others. Pathogenic races of the bacterial blight pathogen of soybeans, *Pseudomonas glycinea*. Plant Dis. Rep. 50(8):557-560. Aug. 1966. 1.9 P69P
B. W. Kennedy, J. W. Lambert, and R. L. Cooper, joint authors.
- 32779 DUARTE-DA CUNHA, M. I. Contribution to the study of the phenomenon of tumor induction by crown gall tissues. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(12):883-885. Sept. 19, 1965. 505 P21
In tobacco.
- 32780 FILAN, F. New lucerne disease identified. Power Farming Australia New Zeal. Better Farming Dig. 75(11):37. Nov. 1966. 58.8 P87
Corynebacterium insidiosum causing bacterial wilt.
- 32781 JENKINS, S. F., HAMMONS, R. O., and DUKES, P. D. Disease reaction and symptom expression of seventeen peanut cultivars to bacterial wilt. Plant Dis. Rep. 50(7):520-523. Ref. July 1966. 1.9 P69P
Caused by *Pseudomonas solanacearum* in Georgia.
- 32782 KENNEDY, B. W., and CROSS, J. E. Inoculation procedures for comparing reaction of soybeans to bacterial blight. Plant Dis. Rep. 50(8):560-565. Ref. Aug. 1966. 1.9 P69P
Caused by *Pseudomonas glycinea* in Minnesota.
- 32783 PEREZ, J. E., and ROGERS, W. E. Preliminary report of sugarcane leaf scald in Puerto Rico. Plant Dis. Rep. 50(8):569. Aug. 1966. 1.9 P69P
Caused by *Xanthomonas albilineans*.
- 32784 SCHAREN, A. L. Bacteria associated with fluorescent spots in wheat. Plant Dis. Rep. 48(10):797-800. Oct. 15, 1964. 1.9 P69P
Cultures; includes *Xanthomonas translucens*.
- 32785 SPICHER, G. The systematic position of "yellow stem" with special attention to its biochemical properties. (Ge) Getreide Mehl 16(11):117-121. Nov. 1966. 298.8 G332
Study on the identification of the bacterial pathogen on grain.
- Bacterial Diseases - Horticultural Crops
- 32786 BARNES, E. D., and CHESTNUTT, D. M. B. Some aspects of the control of common scab in potatoes. Northern Ireland. Rec. Agr. Res. 15(1):35-42. Ref. 1966. 10 N8IR
Caused by *Streptomyces scabies*; control with pentachloronitrobenzene and sulphur.
- 32787 CHAKRAVARTI, B. P., and RANGARAJAN, M. Occurrence of *Erwinia ardoidea* on two new hosts in India. Plant Dis. Rep. 50(9):701-702. Sept. 1966. 1.9 P69P
Cause of bacterial soft rot on pears and *Coriandrum sativum*.
- 32788 COX, R. S. The role of bacterial spot in tomato production in south Florida. Plant Dis. Rep. 50(9):699-700. Sept. 1966. 1.9 P69P
Caused by *Xanthomonas vesicatoria*.
- 32789 HAJDU, K. Grease-spot of beans and production of the plant. (Hu) Kertesz Szólesz. 15(22):15. Nov. 1966. 80 K474
Infection and control of *Xanthomonas phaseoli*, *X. phaseoli fuscans* and *Pseudomonas phaseolicola*.
- 32790 LAWRENCE, C. H., and CLARK, M. C. Characterization of deoxyribonucleic acid from *Streptomyces scabies*. Can. J. Biochem. 44(12):1685-1688. Ref. Dec. 1966. 470 C16E
Isolated from potato scab lesions.
- 32791 LEWIS, S., and GOODMAN, R. N. The glandular trichomes, hydathodes and lenticels of Jonathan apple and their relation to infection by *Erwinia amylovora*. Phytopathol. Z. 55(4):352-358. Ref. Apr. 1966. 464.8 P562
Fire blight disease in Missouri.
- 32792 LIPPINCOTT, B. B., and LIPPINCOTT, J. A. Characteristics of *Agrobacterium tumefaciens* auxotrophic mutant infectivity. J. Bacteriol. 92(4):937-945. Ref. Oct. 1966. 448.3 J82
In bean leaves.
- 32793 NICHOLS, L. P. A method of inoculating German cuttings with *Xanthomonas pelargonii* (Brown) Starr & Burkholder. Plant Dis. Rep. 50(7):515-517. July 1966. 1.9 P69P
- 32794 PERSON, L. H. A bacterial leafspot of pepper (*Capsicum annuum*) caused by *Pseudomonas syringae*. Plant Dis. Rep. 48(10):750-753. Oct. 15, 1964. 1.9 P69P

- 32795 SAUTHOFF, W. An apparently bacterial disease of *Chrysanthemum* new for Germany. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 18(2):17-18. Feb. 1966. 442.9 B832
- 32796 SCHUSTER, M. L., COYNE, D. P., and SINGH, K. Population trends and movement of *Corynebacterium flaccumfaciens* var. *aurantiacum* in tolerant and susceptible beans. Plant Dis. Rep. 48(10):823-827. Oct. 15, 1964. 1.9 P69P
Bacterial wilt in Nebraska.
- 32797 SMITH, J. H., and POWELL, D. Characteristics of a yellow bacterium isolated from the tissue of Jonathan apple trees. Ill. State Acad. Sci. Trans. 59(4):358-363. Ref. 1966. 500 IL6
- Fungus Diseases
- 32798 AKADEMIYA NAUK KIRGIZSKOI SSR, INSTITUT BIOLOGII. Gribye bolezni sel'skokhozyaistvennykh kul'tur v Kirgizii [Fungus diseases of agricultural plants in Kirghizia]. Frunze, Ilm, 1966. 111 p. Ref. SB733.A35
- 32799 BLASECKI, J. W., and IANNARONE, M. Microbiological testing of aerosol preparations using *Chaetomium globosum*. J. Pharm. Sci. 55(12):1471-1472. Dec. 1966. 396.8 J825
Fungicides.
- 32800 BRAVERMAN, S. W. *Curvularia geniculata* on *Sambucus chinensis*. Plant Dis. Rep. 50(7):488-489. July 1966. 1.9 P69P
Cultures.
- 32801 BRITTON, M. P., and ROGERS, D. P. *Puccinia lobata* on hollyhock in Illinois. Mycologia 58(5):804-805. Sept./Oct. 1966. 450 M99
Pathogenic to *Althaea rosea*.
- 32802 BUGBEE, W. M., and KERNEKAMP, M. F. Storage of pycnosporous of *Puccinia graminis* *secalis* in liquid nitrogen. Plant Dis. Rep. 50(3):576-578. Aug. 1966. 1.9 P69P
- 32803 BUGBEE, W. M. Studies on the aggressiveness of race 15B and race 56 and progenies from crosses of these races of *Puccinia graminis* var. *tritici*. Diss. Abstr., Sect. B, 27(4):1016B. Oct. 1966. Z5055.U49D53
- 32804 CUMMINS, G. B., and GREENE, H. C. A review of the grass rust fungi that have uredial paraphyses and aecia on *Berberis-Mahonia*. Mycologia 58(5):702-721. Ref. Sept./Oct. 1966. 450 M99
Puccinia spp.
- 32805 EGLITIS, M., GOULD, C. J., and JOHNSON, F. Fungi found on Ericaceae in the Pacific Coastal area. Wash. Agr. Exp. Sta. Bull. 675. 21 p. Oct. 1966. 100 J27E
- 32806 GERSHON, H., and others. Fungal spore wall as a possible barrier against potential antifungal agents of the group, copper (II) complexes of 5-halogeno- and 5-nitro-8-quinolins. Boyce Thompson Inst. Contrib. 23(6):219-228. Ref. Apr./June 1966. 451 B69
R. Parmegiani, A. Weiner, and R. D'Ascoli, joint authors.
- 32807 ISONO, K., and others. Studies on polyoxins, antifungal antibiotics. II-IV. Agr. Biol. Chem. 30(8):813-819. Ref. Aug. 1966. 385 Ag8B
S. Suzuki, J. Nagatsu, Y. Kawashima, K. Yamagata, K. Sasaki, and K. Hashimoto, joint authors.
- 32808 LOEGERING, W. Q., HARMON, D. L., and CLARK, W. A. Storage of urediospores of *Puccinia graminis* *tritici* in liquid nitrogen. Plant Dis. Rep. 50(7):502-506. July 1966. 1.9 P69P
- 32809 NAVARATNAM, S. J., and LEONG, C. K. Stem rot of oil palms in the Federal Experiment Station, Serdang. Malaysian Agr. J. 45(2):175-181. July 1965. 22.5 F312
Caused by *Fomes noxius*.
- 32810 ORCIVAL, J. Fine structure modifications related to parasitism of an uredinal [Endophyllum euphorbiae-nicaensis] on *Euphorbia nicaensis*. (Fr) Paris. Soc. Biol. Compt. Rend. 159(11):2114-2116. 1965. 442.9 P21
- 32811 PATWARDHAN, P. G. Some new records of powdery mildew fungi [Erysiphaceae]. Plant Dis. Rep. 50(9):709-710. Sept. 1966. 1.9 P69P
- 32812 PONTE, A. M. DA. Spraying of Arabic coffee with calcium superphosphate for the control of coffee berry disease usually attributed [sic] to *Colletotrichum coffeanum* Noack. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, 1965. 5 p. SB741.P62
In Angola.
English translation of Ainda sobre a Pulverizacao do Cafeeiro Arabica com Superfosfato de Calcio contra a Antracnose on Queda dos Frutos, Normalmente Atribuida ao *Colletotrichum coffeanum* Noack.
- 32813 RAJ, T. R. N. Fungi occurring on witchweed [Striga] in India. Commonwealth Inst. Biol. Contr. Tech. Bull. 7:75-80. June 1966. 423.92 CT33T
- 32814 SCHARPF, R. F., and HAWKSWORTH, F. G. Hosts and distribution of *Uredo phoradendri*. Mycologia 58(5):811-812. Sept./Oct. 1966. 450 M99
Pathogenic to *Phoradendron*.
- 32815 SEWELL, G. W. F., and MILSON, J. F. Verticillium wilt of the hop: the survival of *V. albo-atrum* in soil. Ann. Appl. Biol. 58(2):241-249. Ref. Oct. 1966. 442.8 An72
- 32816 SINCLAIR, J. B., and EL-TOBSHY, Z. M. A fungus [*Geotrichum candidum*] that can infect both plants and animals. La. Agr. 10(1):14-15. Fall 1966. 100 L939
Citrus, vegetables, man, and turtles.
- 32817 TOLKMITH, H. Biological activity of phosphoramidothionates. Nature [London] 211 (5048):522-523. July 30, 1966. 472 N21
Includes a new fungicide Diethylphthalimido phosphonothionate, 0,0-
- 32818 TOLKMITH, H., SENKBEIL, H. O., and MUSELL, D. R. Fungicidal phthalimidophosphonothionates. Science 155(3758):85-86. Jan. 6, 1967. 470 Sci2
- 32819 UPADHYAY, R., and PAVGI, M. S. Secondary host infection by *Taphrina maculans* Butler. Phytopathol. Z. 56(2):151-154. June 1966. 464.8 P562
Leaf spot of turmeric.
- 32820 WEHMEYER, L. E. Development of the ascomar in *Cryptomyces pteridis*. Mycologia 58(5):752-760. Ref. Sept./Oct. 1966. 450 M99
Cause of leaf roll in *Pteridium aquilinum*.
- 32821 WILLIAMS, E. B., DAYTON, D. F., and SHAY, J. R. Allelic genes in *Malus* for resistance to *Venturia inaequalis*. Amer. Soc. Hort. Sci. Proc. 88:52-56. 1966. 81 So12
Cause of scab.
- Fungus Diseases - Field Crops
- 32822 ANDERSSON, G. Occurrence of smut on certified seed of barley and spring wheat. (Sw) Svensk Frotidn. 35(7/8):111-114. July 15, 1966. 61.8 Sv2
- 32823 ATKINS, I. M., and others. Influence on grain yields and yield components of leaf rust of wheat and crown rust of oats, as measured by isogenic resistant and susceptible lines. Tex. Agr. Exp. Sta. B-1053, 10 p. Ref. Aug. 1966. 100 T31S
M. Alcalá de Stephano, O. G. Merkle, and R. A. Kilpatrick, joint authors.
U. S. Department of Agriculture, cooperating.
- 32824 BLUMENBACH, D. Further studies on the possibility of influencing the host-parasite relationship in the case of *Puccinia graminis* *tritici*. I. The effect of chloramphenicol on the infection. (Ge) Phytopathol. Z. 56(3):238-252. Ref. July 1966. 464.8 P562
English summary
Wheat; disease resistance.
- 32825 BRIGGLE, L. W. Transfer of resistance to *Erysiphe graminis* f. sp. *tritici* from *Khapli emmer* and *Yuma durum* to hexaploid wheat. Crop Sci. 6(5):459-461. Ref. Sept./Oct. 1966. 64.8 C883
Powdery mildew resistance.

- 32826 BROWDER, L. E. A rapid method of assaying pathogenic potential of populations of *Puccinia graminis* tritici. *Plant Dis. Rep.* 50(9):673-678. Ref. Sept. 1966. 1.9 P69P
Wheat in Kansas.
- 32827 BROWN, J. F., SHIPTON, W. A., and WHITE, N. H. The relationship between hypersensitive tissue and resistance in wheat seedlings infected with *Puccinia graminis* tritici. *Ann. Appl. Biol.* 52(2):279-290. Ref. Oct. 1966. 442.8 An72
- 32828 CHI, C. C., and CHILDERS, W. R. Fungi associated with crown and roots of alfalfa in eastern Ontario. *Plant Dis. Rep.* 50(9):695-698. Ref. Sept. 1966. 1.9 P69P
Cause of damping-off, wilt and root rot.
- 32829 CHI, C. C. Phytophthora root rot of alfalfa in Canada. *Plant Dis. Rep.* 50(7):451-453. Ref. July 1966. 1.9 P69P
Caused by *Phytophthora megasperma*.
- 32830 CORBAZ, R. Notes on yellow rust of wheat in Switzerland (*Puccinia glumarum* (Schmidt) Eriksson et Henning). (Fr) *Phytopathol. Z.* 56(1):40-53. May 1966. 464.8 P562
German summary.
- 32831 CRANE, J. L., and CRITTENDEN, H. W. The relation of soybean seed infection by *Cercospora kikuchii* to the duration of certain plant developmental stages. *Plant Dis. Rep.* 50(7):464-468. July 1966. 1.9 P69P
Delaware.
- 32832 FUCHS, E. Investigations of the physiologic specialization of *Puccinia striiformis* West. f. sp. tritici Erikss. et Henn. causing stripe rust of wheat in the years 1959-1964 and of the susceptibility of some wheat varieties. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 17(11):161-176. Ref. Nov. 1966. 442.9 B832
English summary.
Worldwide sources of rusts.
- 32833 FUTRELL, M. C. Downy mildew [*Sclerospora sorghi*] reaction of grain sorghums in world collection. *Sols Afr.* 11(1/2):177-179. Jan./Aug. 1966. 56.8 So4
Text also in French, p. 178-179.
Includes discussion.
- 32834 FUTRELL, M. C., and WEBSTER, O. J. New sources of resistance to the downy mildew disease of sorghum. *Plant Dis. Rep.* 50(9):641-644. Sept. 1966. 1.9 P69P
Caused by *Sclerospora sorghi* in Nigeria.
- 32835 FUTRELL, M. C., and WEBSTER, O. J. Races of sorghums resistant to sooty stripe disease. *Plant Dis. Rep.* 50(8):606-608. Aug. 1966. 1.9 P69P
Caused by *Ramulispora sorghi* in Nigeria.
- 32836 GARREN, K. H. Peanut (groundnut) microfloras and pathogenesis in peanut pod rot. *Phytopathol. Z.* 55(4):359-367. Ref. Apr. 1966. 464.8 P562
Virginia.
- 32837 HAHN, N. J., PETERSON, E. A., and SHOE-MAKER, R. A. Drechslera phlei as a contaminant of red clover seed. *Can. Plant Dis. Surv.* 46(3):99. Sept. 1966. 464.9 C168
- 32838 HARDISON, J. R. Systemic activity of two derivatives of 1,4-oxathin against smut and rust diseases of grasses. *Plant Dis. Rep.* 50(8):624. Aug. 1966. 1.9 P69P
Flag smut in *Poa pratensis*, caused by *Urocystis agropyri*; stripe smut in *Agrostis palustris*, *Dactylis glomerata*, and *P. pratensis*, caused by *Ustilago striiformis*; stripe rust in *P. pratensis*, caused by *Puccinia striiformis*.
- 32839 HOLTON, C. S. Genetic significance of differential symptom expression and apparent total avirulence in race hybrid populations of *Ustilago avenae*. *Riv. Patol. Veg. (ser. 4/2)* 83:93. Apr./June 1966. 464.8 R62
Causing smut in oats.
- 32840 HOLTON, C. S., and MURPHY, H. C. Reactions of oat varieties to races of loose and covered smuts. *U. S. Agr. Res. Serv. ARS-34-83, 12 p.* Aug. 1966. A64.9 R31A
Washington Agricultural Experiment Station, cooperating.
Caused by *Ustilago avenae* and *U. kollii*, respectively in Washington; includes resistance.
- 32841 HOOKER, A. L., and others. Additional sources of chlorotic-lesion resistance to *Helminthosporium turcicum* in corn. *Plant Dis. Rep.* 48(10):777-780. Ref. Oct. 15, 1964. 1.9 P69P
H. M. Hilu, D. R. Wilkinson, and C. G. Van Dyke, joint authors.
- 32842 HOPPE, P. E., ARNY, D. C., and MARTENS, J. W. Frost susceptibility in corn increased by leaf blight infections. *Plant Dis. Rep.* 48(10):815-816. Oct. 15, 1964. 1.9 P69P
Infection caused by *Helminthosporium turcicum* in Wisconsin.
- 32843 HOUSTON, D. R., and FISHER, K. D. Sap-streak disease of sugar maple found in the Northeast. *Plant Dis. Rep.* 48(10):788. Oct. 15, 1964. 1.9 P69P
Caused by *Ceratocystis coerulescens*.
- 32844 JACKSON, C. R. Germination of stored peanut seed and seedling emergence as related to some seed-treatment fungicides. *Plant Dis. Rep.* 48(10):821-822. Oct. 15, 1964. 1.9 P69P
- 32845 KAPPELMAN, A. J., and THOMPSON, D. L. Inoculation and rating procedures for corn stalk rot in the South. *Plant Dis. Rep.* 50(9):655-659. Ref. Sept. 1966. 1.9 P69P
Caused by *Diplodia zeae* and *Fusarium moniliforme*.
- 32846 LANGE-DE LA CAMP, M. The mode of action of *Cercospora herpotrichoides* Fr. as the cause of the stem break of the grain. II. Aggressiveness of the pathogen. (Ge) *Phytopathol. Z.* 56(2):155-190. Ref. June 1966. 464.8 P562
English summary.
- 32847 LAUBSCHER, F. X., WECHMAR, B. VON, and SCHALKWYK, D. VAN. Heritable resistance of wheat varieties to glume blotch (*Septoria nodorum* Berk.). *Phytopathol. Z.* 56(3):260-264. July 1966. 464.8 P562
- 32848 LELE, V. C., and DHANRAJ, K. S. A note on *Helminthosporium rostratum* Drechs. on ragi [*Eleusine coracana* (L.) Gaertn.]. *Cur. Sci.* 35(17):446-447. Sept. 5, 1966. 475 Sci23
- 32849 MACER, R. C. F., and DOLING, D. A. Identification and possible origin of a race of *Puccinia striiformis* isolated in 1966. *Nature* 212(5062):643. Nov. 5, 1966. 472 N21
Causing yellow rust on wheat.
- 32850 MCINTOSH, R. A., and BAKER, E. P. Differential reactions to three strains of wheat powdery mildew (*Erysiphe graminis* var. tritici). *Australian J. Biol. Sci.* 19(5):767-773. Ref. Oct. 1966. 442.8 Aw72
- 32851 MORGAN, F., and DUNLEAVY, J. Brown stem rot of soybeans in Mexico. *Plant Dis. Rep.* 50(8):598-599. Aug. 1966. 1.9 P69P
Caused by *Cephalosporium gregatum*.
- 32852 NARAIN, A. Inheritance of host reaction to races A 20 and A 22 of *Ustilago avenae* (Pers.) Rostr. *Cur. Sci.* 35(19):493-494. Ref. Oct. 5, 1966. 475 Sci23
Oats.
- 32853 NAVARATNAM, S. J. A stem and leaf disease of kenaf (*Hibiscus cannabinus* L.). *Malaysian Agr. J.* 45(3):289-290. Jan. 1966. 22.5 F312
Caused by *Sclerotium rolfsii* and *Rhizoctonia solani*.
- 32854 PITT, D. Studies on sharp eyespot disease of cereals. III. Effects of the disease on the wheat host and the incidence of disease in the field. *Ann. Appl. Biol.* 52(2):299-308. Ref. Oct. 1966. 442.8 An72
Caused by *Rhizoctonia solani*.
- 32855 RAMAKRISHNAN, L. Studies in the host-parasite relations of blast disease of rice. I. Changes in N-metabolism. *Phytopathol. Z.* 55(4):297-308. Ref. Apr. 1966. 464.8 P562
Causal organism, *Piricularia oryzae*, in India.
- 32856 RAY, L. L., MINTON, E. B., and BERRY, R. W. Evaluation of cotton strains and varieties for resistance to Verticillium wilt and bacterial blight. *Tex. Agr. Exp. Sta. Progr. Rep.* PR-2410, 7 p. May 12, 1966. 100 T31P
Caused by *Verticillium albo-atrum*, and *Xanthomonas malvacearum*, respectively.

- ROBERTS, B. J., ECKESS, E. D., and ROMIG, R. W. A new and virulent race of oat stem rust, race 6AFH. *Plant Dis. Rep.* 50(8):571-572. Aug. 1966. 1.9 P69P
Caused by *Puccinia graminis avenae*.
- EL-ROUBY, M. M., and RUSSELL, W. A. Locating genes determining resistance to *Diplo-dia maydis* in maize by using chromosomal translocations. *Can. J. Genet. Cytol.* 8(2):233-240. Ref. June 1966. 443.8 C16
- RUTGER, J. N., and RISTUS, M. L. Incidence of smut [*Ustilago maydis*] at three corn plant populations. *Agron. J.* 58(6):625-626. Nov./Dec. 1966. 4 Am34P
- SIMONS, M. D., and MICHEL, L. J. International register of pathogenic races of *Puccinia coronata* var. *avenae*. *Plant Dis. Rep.* 48(10):763-766. Ref. Oct. 15, 1964. 1.9 P69P
Crown rust fungus on oats.
- SYDOW, B. VON. The incorporation of C14O₂ in wheat leaves after infection with *Puccinia graminis tritici*. I. Histochemical investigations. (Ge) *Phytopathol. Z.* 56(1):78-96. Ref. May 1966. 464.8 P562
English summary.
- VESTAL, E. F. Barley scab in South Korea in 1963 and 1964. *Plant Dis. Rep.* 48(10):754-755. Oct. 15, 1964. 1.9 P69P
Caused by *Gibberella saubinetii*.
- WALL, R. E. Ear rots of corn in southwestern Ontario. *Can. Plant Dis. Surv.* 46(3):95, map. Sept. 1966. 464.9 C16S
- WHEELER, H., and HANCHEY, P. J. Respiratory control; loss in mitochondria from diseased plants. *Science* 154(3756):1569-1571. Ref. Dec. 23, 1966. 470 Sc12
Victoria blight of oats caused by *Helminthosporium victoriae* and treated with victorin.
- WHITLOCK, B. J., and others. A salivary factor from *Rhizoctonia leguminicola*. *Tetra-hedron Lett.* 32:3819-3824. Aug. 1966. 385 T29
D. P. Rainey, N. V. Riggs, and F. M. Strong, joint authors.
- Fungus attacking red clover.
- WILLIS, C. B. Sclerotinia [trifoliorum] crown rot of forage legumes in Prince Edward Island. *Can. Plant Dis. Surv.* 46(3):96-98. Sept. 1966. 464.9 C16S
- WRIGHT, C. E., and SPROULE, T. R. M. Blind seed disease of ryegrass. VI. Resistance of *Lolium perenne* varieties to blind seed disease (*Gloeotinia temulenta*). *Northern Ireland. Rec. Agr. Res.* 14(1):5-29. Ref. 1965. 10 N81R
- WRIGLEY, C. W., and WEBSTER, H. L. The effect of stem rust infection on the soluble proteins of wheat leaves. *Australian J. Biol. Sci.* 19(5):895-901. Ref. Oct. 1966. 442.8 Au72
Caused by *Puccinia graminis tritici*.
- ZWATZ, B. Brown spot of oats—a *Helminthosporium*. (Ge) *Pflanzenarzt* 18(12):127-128. Dec. 1, 1965. 464.9 P482
Caused by *Helminthosporium avenae*.
- Fungus Diseases - Horticultural Crops**
- AKINREFON, O. A. The control of damping-off in *Pisum sativum* L. by cycloheximide. *Ann. Appl. Biol.* 58(2):321-325. Oct. 1966. 442.8 An72
Caused by *Pythium ultimum*.
- ALAS LOPEZ, A. Late blight of tomatoes. (Sp) *Credito Rural* (ser. 2)159:2. Sept. 1965. 284.28 C863
Phytophthora infestans in El Salvador.
- ALLEN, W. W., KILPATRICK, R. A., and BASHAW, E. C. A technique for screening St. Augustine grass [*Stenotaphrum secundatum*] for tolerance to *Rhizoctonia solani*. *Plant Dis. Rep.* 50(8):622-623. Aug. 1966. 1.9 P69P
- BAINES, R. C., and others. Carb soil pests for profitable citrus trees. *Calif. Citrogr.* 52(1):3, 20, 22. Nov. 1966. 80 C125
L. J. Koltz, T. A. DeWolfe, and R. H. Small, joint authors.
Phytophthora and nematodes.
- BARNES, G. L. Effectiveness of certain new fungicide formulations for control of pecan scab in Oklahoma during 1965. *Plant Dis. Rep.* 50(8):599-601. Ref. Aug. 1966. 1.9 P69P
Caused by *Fusicladium effusum*.
- BELGRAVER, W. Control of foot rot of carnation cuttings. (Du) Aalsmeer. Proefsta. Bloemisterij. *Jaarverslag* 1965:44-45. 86 Aa4
- BEUZENBERG, M. P. Control of mildew of roses. (Du) Aalsmeer. Proefsta. Bloemisterij. *Jaarverslag* 1965:107-108. 86 Aa4
- BEUZENBERG, M. P., and SCHOLTEN, G. Foot rot of Kalanchoe. (Du) Aalsmeer. Proefsta. Bloemisterij. *Jaarverslag* 1965:92-93. 86 Aa4
- BEUZENBERG, M. P. Root rot in Cordyline. (Du) Aalsmeer. Proefsta. Bloemisterij. *Jaarverslag* 1965:73. 86 Aa4
Fusarium oxysporum on Cordyline stricta.
- BEUZENBERG, M. P. Root rot of Vinca rosea. (Du) Aalsmeer. Proefsta. Bloemisterij. *Jaarverslag* 1965:113. 86 Aa4
Control of Fusarium solani.
- BORZINI, G. Recent trends in virus control in viticulture. (It) *Turin. Accad. Agr. Ann.* 107:143-162. Ref., p. 160-162. 1964/65. 16 T63
- BROECK, H. VAN DEN. Club root of cauliflower. (Fl) *Tuinbouwberichten* 30(3):82-83. Mar. 1966. 80 T817
- BROOKS, A. V. Stagonospora curtisii on Nerine. *Roy. Hort. Soc. J.* 91(12):498. Dec. 1966. 84 L84J
Nerine bowdenii and N. angustifolia.
- BURNETT, H. C. Leafspot, Cercospora jujube Chowdhury, on jujube, Zizyphus mauritiana Lam. *Fla. Dep. Agr. Div. Plant Indus. Triology Tech. Rep.* 5(3):13. Mar. 1966. 423.9 F622
- CARLSON, L. W., and BOONE, D. M. A berry speckle disease of cranberry and its control. *Plant Dis. Rep.* 50(8):539-543. Aug. 1966. 1.9 P69P
Guignardia vaccinii, Acanthorhynchus vaccinii, and Gibbera compacta, were associated with disease, but conclusive evidence not found; in Wisconsin.
- CAVALIE, G. Anthracnose of bean; content of non volatile organic acids in healthy and in parasite infected plants. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(12):880-882. Ref. Sept. 19, 1966. 505 P21
Colletotrichum lindemuthianum.
- CHALUTZ, E., MAXIE, E. C., and SOMMER, N. F. Interaction of gamma irradiation and controlled atmospheres on Botrytis [cinerea] rot of strawberry fruit. *Amer. Soc. Hort. Sci. Proc.* 88:365-371. 1966. 81 So12
Control study.
- COLE, H. Angular leaf spot associated with severe defoliation of red kidney beans (Phaseolus vulgaris) in Pennsylvania. *Plant Dis. Rep.* 50(7):494. July 1966. 1.9 P69P
Caused by Isariopsis griseola.
- DANCS, MRS. R. ZS. Powdery mildew of peach. (Hu) *Tud. Tanacsadoja*, p. 16. In Kerteszet Szolcs. 15(21). Nov. 1966. 80 K474
Sphaerotheca pannosa; includes control.
- DANCS, MRS. R. ZS. Monilia rot. (Hu) *Tud. Tanacsadoja*, p. 15. In Kerteszet Szolcs. 15(21). Nov. 1966. 80 K474
Of stonefruits, chiefly control.
- DOEPPEL, R. F. Phytophthora species on citrus in Western Australia. *Plant Dis. Rep.* 50(7):494-496. July 1966. 1.9 P69P
Phytophthora hibernalis, P. citrophthora, and P. citricola.
- FILER, T. H. Red thread [Corticium fuci-forme] found on bermuda grass [Cynodon dactylon]. *Plant Dis. Rep.* 50(7):525-526. July 1966. 1.9 P69P
Observed on lawns in Mississippi.

- 32892 FORLOT, P., and others. *Phytophthora cryptogea* Pethybr. et Laff., new agent of endive rot (*Cichorium intybus* L. var. *foliosum* Hegl.) during forcing. (Fr.) *Phytopathol.* Z. 56(1):1-13. Ref. May 1966. 464.8 P562
J. Harranger, J. Payen, and E. J. Schwinn, joint authors.
German summary.
France.
- 32893 FORSUND, E. Skin spot of potatoes. (No) Norsk Landbruk 14/15:18-19, 31. July 15, 1966. 11 N8122
Caused by *Oospora pustulans*.
- 32894 GABRIELSON, R. L. Cucumber scab in Western Washington. *Plant Dis. Rep.* 48(1):801-802. Ref. Oct. 15, 1964. 1.9 P69P
Caused by *Cladosporium cucumerinum*.
- 32895 GALLAGHER, P. A. Influence of soil organic nitrogen on stem rot and leaf scorch in broccoli. *Nature [London]* 212(5063):743-744. Nov. 12, 1966. 472 N21
- 32896 GABER, E. D., and BERAHA, L. Genetics of phytopathogenic fungi. XVI. Pectolytic enzymes of virulent and avirulent strains of three phytopathogenic *Penicillia*. *Can. J. Bot.* 44(12):1645-1650. Ref. Dec. 1966. 470 C16C
Penicillium italicum and *P. digitatum* pathogenic to oranges, and *P. expansum* pathogenic to apples.
- 32897 GERLACH, W., and SCHNEIDER, R. Infection tests with *Pyrenochaeta terrestris* and the corky root *Pyrenochaeta* of tomatoes and onions. (Ge) *Phytopathol.* Z. 56(1):19-24. May 1966. 464.8 P562
English summary.
Germany.
- 32898 GERLACH, W., and BLASZYK, P. Survival of the agent of Fusarium rot of stored tulip bulbs. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 18(1):1-2. Jan. 1966. 442.9 B832
Fusarium oxysporum tulipae.
- 32899 GLAESER, G. Attention to powdery rust [*Puccinia horiana*] of *Chrysanthemum*, a new plant quarantine disease in Austria. (Ge) *Pflanzenarzt* 19(2):12. Feb. 1, 1966. 464.9 P482
- 32900 GOOCH, F. S. The occurrence of *Camellia* flower blight in southwest Louisiana. *Plant Dis. Rep.* 50(7):525. July 1966. 1.9 P69P
Caused by *Sclerotinia camelliae*.
- 32901 GRIFFITHS, D. A., and ISAAC, I. Host parasite relationships between tomato and pathogenic isolates of *Verticillium*. *Ann. Appl. Biol.* 58(2):259-272. Ref. Oct. 1966. 442.8 An72
- 32902 HALISKY, P. M., FUNK, C. R., and ENGEL, R. E. Melting-out of Kentucky bluegrass [*Poa pratensis*] varieties by *Helminthosporium vagans* as influenced by turf management practices. *Plant Dis. Rep.* 50(9):703-706. Ref. Sept. 1966. 1.9 P69P
- 32903 HARPER, F. R. Control of root disease in peas on irrigated land by seed treatment. *Can. Plant Dis. Surv.* 46(3):85-87. Sept. 1966. 464.9 C16S
Fungicidal control of root rot.
- 32904 HENNER, J. Retrospective look at the occurrence of diseases and measures for their control in viticulture in 1965. (Ge) *Pflanzenarzt* 19(2):14-15. Feb. 1, 1966. 464.9 P482
Caused by *Peronospora*.
- 32905 HICKEY, K. D. Black knot disease of plum and its control. *Cornell Univ. Ext. Cornell Ext. Bull.* 1173, 7 p. Aug. 1966. 275.29 N48E
Caused by *Dibotryon morbosum*.
- 32906 HILBORN, M. T. The red leaf disease of low-bush blueberries. *Maine, Agr. Exp. Sta. Misc. Rep.* 118:66-70. 1966. 100 M28M
Caused by *Exobasidium vaccinii*; control with 2,4-D and 2,4,5-T.
- 32907 HILDEBRAND, E. M., and STEINBAUER, C. E. Maintenance of virulence in stock cultures of the sweetpotato wilt *Fusarium*. *Plant Dis. Rep.* 48(10):817-820. Oct. 15, 1964. 1.9 P69P
Caused by *Fusarium oxysporum batatas*.
- 32908 JHOOTY, J. S. Studies on the conidia of *Sphaerotheca macularis*. *Phytopathol.* Z. 56(1):34-39. May 1966. 464.8 P562
Causing powdery mildew of strawberries.
- 32909 JONES, J. P. Distribution of race 2 of *Fusarium oxysporum* f. *lycopersici* in Florida. *Plant Dis. Rep.* 50(9):707-708, map. Sept. 1966. 1.9 P69P
On tomatoes.
- 32910 KAHLIFAH, R. A., and KUYKENDALL, J. R. Treatment of Valencia oranges for prevention of mold decay. *Amer. Soc. Hort. Sci. Proc.* 88:308-310. 1966. 81 S012
Control of *Penicillium digitatum* and *P. italicum* by MCP and 2,4-D.
- 32911 KOLTZ, L. J., DEWOLFE, T. A., and MACARILL, J. R. Citrus brown rot control in orchard and packing house. *Calif. Citigr.* 52(1):41-42, 44, 46. Nov. 1966. 80 C125
Caused by *Phytophthora*.
- 32912 LATHAM, A. J., and WATSON, R. D. Effect of specific crop residues on soil fungi, onion infection, and bulb rotting. *Plant Dis. Rep.* 50(7):469-472. July 1966. 1.9 P69P
Caused by *Fusarium oxysporum* in Idaho.
- 32913 LOCKHART, C. L., and MACNAB, A. A. Cold storage mold losses and losses in strawberry fields in Nova Scotia—1965. *Can. Plant Dis. Surv.* 46(3):88-89. Sept. 1966. 464.9 C16S
- 32914 LUESCHEN, N. S. Effectiveness of preharvest sprays with 2,6-dichloro-4-nitroaniline against peach *Rhizopus* rot and influence of spray adjuvants, under Colorado conditions. *Plant Dis. Rep.* 50(8):565-568. Ref. Aug. 1966. 1.9 P69P
Caused by *Rhizopus stolonifer*.
- 32915 MARTINEZ, A. P. False smut of palms. *Fla. Dep. Agr. Div. Plant Indus. Tri-ology Tech. Rep.* 5(2):18. Feb. 1966. 423.9 F6622
Caused by *Graphiola phoenixis* in Florida.
- 32916 MCGREGOR, A. J., and WILSON, G. C. S. The influence of manganese [sulfate] on the development of potato scab. *Plant Soil* 25(1):3-16. Ref. Aug. 1966. 450 P696
Control of *Streptomyces scabies*.
- 32917 MCINTOSH, D. L. The occurrence of *Phytophthora* spp. in irrigation systems in British Columbia. *Can. J. Bot.* 44(12):1591-1596. Dec. 1966. 470 C16C
Cause of rot of fruit trees.
- 32918 MENCE, M. J., and HILDEBRANDT, A. C. Resistance to powdery mildew in rose. *Ann. Appl. Biol.* 58(2):309-320. Ref. Oct. 1966. 442.8 An72
Caused by *Sphaerotheca pannosa*.
- 32919 MENDEZ RODRIGUEZ, C. Yields and resistance to Panama disease of banana varieties. (Sp) *Vida Agr. [Lima]* 42(504/505):537-543. Nov./Dec. 1965. 9.8 V66
Caused by *Fusarium oxysporum* in Peru.
- 32920 MOTSINGER, R. E., and SINCLAIR, J. B. Unusual occurrence of tomato diseases in Louisiana. *Plant Dis. Rep.* 50(9):686. Sept. 1966. 1.9 P69P
Fungus and bacterial diseases.
- 32921 NATTL, J. J. Evaluation of seed treatments with PCNB for the control of damping-off of table beet seedlings. *Plant Dis. Rep.* 50(8):614-617. Aug. 1966. 1.9 P69P
Control of *Rhizoctonia* and *Pythium* in New York.
- 32922 NAVARATNAM, S. J. Patch canker of the durian [*Durio zibethinus*] tree. *Malaysian Agr. J.* 45(3):291-294. Jan. 1966. 22.5 F312
Caused by *Phytophthora palmivora*; grown for fruit.
- 32923 PAI, H. S. A new spot anthracnose of Barbados-cherry (*Malpighia glabra*) from India. *Plant Dis. Rep.* 50(7):518. July 1966. 1.9 P69P
Caused by *Colletotrichum*.
- 32924 PARACER, S. M., BRZESKI, M. W., and ZUCKERMAN, B. M. Nematophagous fungi and predaceous nematodes associated with cranberry soils in Massachusetts. *Plant Dis. Rep.* 50(8):584-586. Ref. Aug. 1966. 1.9 P69P
- 32925 RAABE, R. D. Susceptibility of senescent leaves of fruiting papaya [*Carica papaya*] plants to powdery mildew. *Plant Dis. Rep.* 50(7):519. July 1966. 1.9 P69P
Caused by *Oidium caricae* in Hawaii.

- 32926 RAGGI, V. Amides and amino acids in peach leaves infected by *Taphrina deformans* (Berk) Tul. (It) Riv. Patol. Veg. (ser.4)(2):109-124. Ref. Apr./June 1966. 464.8 R52
English summary.
- 32927 ROSS, R. G., and SANFORD, K. H. Fungicides as safeners for lead arsenate on apple foliage. Can. Plant Dis. Surv. 46(3):90-91. Sept. 1966. 464.9 C16S
- 32929 ROTEH, J., and COHEN, Y. The relationship between mode of irrigation and severity of tomato foliage diseases in Israel. Plant Dis. Rep. 50(9):635-639. Sept. 1966. 1.9 P69P
Blights caused by *Stemphylium botryosum* *licopersici* and *Xanthomonas vesicatoria*; bacterial blight caused by *X. vesicatoria*; and powdery mildew caused by *Oidium* *taurica*.
- 32929 ROTH, G. *Tranzschelia discolor* (Fuck.) Tranz. and Litv. on peaches in Transvaal Lowveld, South Africa. Phytopathol. Z. 56(2):141-150. Ref. June 1966. 464.8 P562
As a cause of rusts.
- 32930 SALERNO, M., and CARTIA, G. Research on mal secco of citrus fruits (*Eutetranychus tracheiphila* Petr.). III. In vitro and in vivo tests of the effects of some fungicides. (It) Riv. Patol. Veg. (ser.4)(1/2):71-82. Ref. Jan./June 1965. 464.8 R52
English summary.
- 32931 SCHOLTEN, G. Foot rot of Gerbera. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:85-86. 86 Aa4
Caused by *Phytophthora cryptogea*.
- 32932 SCHOLTEN, G. Fusarium disease of Freesia. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:79-82. 86 Aa4
Fusarium oxysporum.
- 32933 SCHOLTEN, G., and BEUZENBERG, M. P. General disease research in 1965. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:125-130. 86 Aa4
Fungus diseases of ornamentals.
- 32934 SCHOLTEN, G. Root rot of Cyclamen. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:76-77. 86 Aa4
Tuzet for the control of *Thielaviopsis*.
- 32935 SCHOLTEN, G., and BEUZENBERG, M. P. Stem rot and leaf spot disease of Anthurium [*schzerianum*]. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:46-47. 86 Aa4
Caused by *Pythium*, *Fusarium* and *Septoria anthurii*.
- 32936 SCHOLTEN, G. Vascular disease of American carnations. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:43. 86 Aa4
Control of *Phialophora cinerescens* on carnations.
- 32937 SCHRODTER, H., and ULLRICH, J. Further studies on the biometeorology and epidemiology of *Phytophthora infestans* (Mont.) de By. A new concept of the solution of problems of the epidemiological forecasting. (Ge) Phytopathol. Z. 56(3):265-278. Ref. July 1966. 464.8 P562
English summary.
On potatoes; mathematical method.
- 32938 SERVAZZI, O., and PROTA, U. Oidium of anemones (*Erysiphe nitida* (Wallr.) Rabb). (It) Riv. Patol. Veg. (ser.4)(1/3):85-99. Ref. July/Sept. 1965. 464.8 R52
English summary.
On *Anemone coronaria*.
- 32939 SLEETH, B., and LEEPER, P. W. Mildew resistant lettuce susceptible to a new physiologic race of *Bremia lactucae* in south Texas. Plant Dis. Rep. 50(7):460. July 1966. 1.9 P69P
- 32940 SMITH, J. D., and MAGINNIS, E. A. Scale rot test for hybrid lilies. Can. Plant Dis. Surv. 46(3):92-94. Sept. 1966. 464.9 C16S
- 32941 SOWELL, G., PRASAD, K., and NORTON, J. D. Resistance of *Cucumis melo* introduction to *Mycosphaerella citrullina*. Plant Dis. Rep. 50(9):661-663. Sept. 1966. 1.9 P69P
Cause of gummy stem blight in Southeastern States.
- 32942 SPEK, J. VAN DER. Research on fungus diseases of peas. (Du) Peulvruchten Stud. Combinatie. Meerjarenplan Onderz. Akkerbouw-peulvruchten 8:12-13. 1966. 60.38 P46
- 32943 STOVER, R. H. Fungi associated with nematode and non-nematode lesions on banana roots. Can. J. Bot. 44(12):1703-1710. Ref. Dec. 1966. 470 C16C
Fusarium solani and Rhizoctonia.
- 32944 SUGIYAMA, N., and others. Altenin: I. The isolation of altenin from *Alternaria kikuchiana* Tanaka. Chem. Soc. Jap. Bul. 39(7):1573-1577. Ref. July 1966. 385 T5TB
C. Kashiwa, M. Yamamoto, T. Sugaya, and R. Mohri, joint authors.
Cause of black spot disease in pears.
- 32945 VERHOEFF, K., and WEBER, L. Botrytis in tomatoes. (Du) Naaldwijk. Proefsta. Groenten-Fruittelt Onder Glas. Jaarverslag 1965:143-144. 86 N112J
English summary, p.7 of summary section.
- 32946 VIDENOV, B. "Blue spraying" against apple scab (*Venturia inaequalis* Cke. Wint.) and red spot disease of plums (*Polystigma rubrum* Persoon D.C.). (Bu) Gradinarska Lozarska Nauk. 2(1):31-37. Ref. 1965. 87 G75
German summary.
Bordeaux mixture.
- 32947 VON SCHMELING, B., and COVEY, R. A. Powdery mildew control by new sulfites. Plant Dis. Rep. 50(9):645-647. Sept. 1966. 1.9 P69P
Apple and bean powdery mildew caused by *Podosphaera leucotricha* and *Erysiphe polygoni*, respectively; control with 2-(p-tert-butylphenoxy cyclohexyl) propargylo sulfite (Omitte) and 2-(tert-butylphenoxy) 1-ethyl-ethyl o-tolyl sulfite (C940).
- 32948 WENSLEY, R. N., and MCKEEN, C. D. Influence of resistant and susceptible varieties of muskmelon on size of populations of the Fusarium wilt fungus and wilt in naturally infested soils. Can. J. Microbiol. 12(6):1115-1118. Dec. 1966. 448.8 C162
Fusarium oxysporum.
- 32949 YANG, S. M., and HAGEDORN, D. J. Root rot of processing bean in Wisconsin. Plant Dis. Rep. 50(8):578-580. Aug. 1966. 1.9 P69P

Fungus Diseases - Forest Trees

- 32950 BAKSHI, B. K., SINGH, S., and SINGH, U. A new root rot disease complex in teak. Indian Forest. 92(9):566-569. Sept. 1966. 99.8 In2
Caused by *Polyporus zonalis* and *Peniophora rhizomorpho-sulphurea* n. spp.
- 32951 BOYCE, J. S., and GRAVES, A. A. *Monochaetia* canker on Arizona cypress [*Cupressus arizonica*] in Georgia and South Carolina. Plant Dis. Rep. 50(7):482-483. July 1966. 1.9 P69P
Caused by *Monochaetia unicornia*.
- 32952 BYNUM, H. H., and MILLER, D. R. *Elytoderma deformans* found on knobcone pine [*Pinus attenuata*] in California. Plant Dis. Rep. 48(10):828. Oct. 15, 1964. 1.9 P69P
Cause of needle blight.
- 32953 CORDELL, C. E., and STAMBAUGH, W. J. Increment core sampling reveals more *Fomes annosus*. Plant Dis. Rep. 50(8):589-592. Ref. Aug. 1966. 1.9 P69P
Root rot in *Pinus taeda*, *P. strobus*, and *P. resinosa*, in North Carolina.
- 32954 DRIVER, C. H., and GINNS, J. H. *Annosus* root-rot in young southern pines planted on an infested site. Plant Dis. Rep. 48(10):803-807. Ref. Oct. 15, 1964. 1.9 P69P
Caused by *Fomes annosus* in slash and loblolly pine in Alabama.
- 32955 GRIFFITHS, D. A. "Die-back" of *Araucaria cunninghamii* caused by *Botryodiplodia theobromica* Pat. in Malaya. Malayan Forest. 29(3):154-162. July 1966. 99.8 M292
- 32956 HARVEY, G. M. An evaluation of the basal stem application of Acti-dione and phytoactin for control of white pine blister rust on sugar pine [*Pinus lambertiana*] in Oregon and California. Plant Dis. Rep. 50(8):554-556. Aug. 1966. 1.9 P69P

- 32957 HIRATSUKA, Y., MORF, W., and POWELL, J. M. Cytology of the aeciospores and aeciospore germ tubes of *Peridermium harknessii* and *P. stalactiforme* of the *Cronartium coleosporioides* complex. *Can. J. Bot.* 44(12):1639-1643. Ref. Dec.1966. 470 C16C
Rust of pine.
- 32958 JUSTUS, L. Last of the native chestnuts. *Forest Farmer* 26(1):17-19. Oct.1966. 99.9 F7692
Endothia parasitica infestation.
Reprinted from Atlanta Journal and Constitution Magazine.
- 32959 KLUGE, E. Pathogenicity to pine seedlings and toxin production in *Cylindrocarpon radicola* Wr. (Ge) *Phytopathol. Z.* 55(4):368-388. Ref. Apr.1966. 464.8 P562
English summary.
East Germany.
- 32960 KOENIGS, J. W. An evaluation of antibiotics for control of comandra rust on lodgepole pine [*Pinus contorta*]. *Plant Dis. Rep.* 50(7):528-531. July 1966. 1.9 P69P
Caused by *Cronartium comandrae*.
- 32961 LORIO, P. L. *Phytophthora cinnamomi* and *Pythium* species associated with loblolly pine [*Pinus taeda*] decline in Louisiana. *Plant Dis. Rep.* 50(8):596-597. Ref. Aug.1966. 1.9 P69P
- 32962 MANNING, W. J., and CROSSAN, D. F. Evidence for variation in degree of pathogenicity of isolates of *Phytophthora cinnamomi* to broadleaf and coniferous evergreens. *Plant Dis. Rep.* 50(9):647-649. Sept.1966. 1.9 P69P
- 32963 MEHRAN, A. R., and POMERLEAU, R. Autoradiographic study of the distribution of *Ceratocystis ulmi* in young elm plants. (Fr) *Natur. Can.* 93(4):351-353. July/Aug.1966. 410 N216
English summary.
Ulmus americana.
- 32964 MORRIS, C. L., and FRAZIER, D. H. Development of a hazard rating for *Fomes annosus* in Virginia. *Plant Dis. Rep.* 50(7):510-511. July 1966. 1.9 P69P
On loblolly pine forest soils.
- 32965 NEELY, D., and HIMELICK, E. B. Effects of SMDG [Vapam] on elm [*Ulmus americana*] roots. *Plant Dis. Rep.* 50(7):473-476. July 1966. 1.9 P69P
To prevent root-graft transmission of Dutch elm disease in Illinois; caused by *Ceratocystis ulmi*.
- 32966 NIKOLIN, B. N. Certain fungus diseases of young woody species growing on concentrated clear fellings of the North. (Rus) *Les. Zh.* 3: 37-39. 1965. 99.8 I28
- 32967 ORLOS, H. Practical possibilities for control of forest diseases with biological methods. (Pol) *Las Polski* 40(23):9-13. Dec.1/15,1966. 99.8 L33
Fungus diseases.
- 32968 PAETZOLDT, M., and SCHNEIDER, R. Dieback in young birch trees caused by *Myxosporium devastans*. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 18(2):18-20. Feb.1966. 442.9 B832
English summary.
Betula verrucosa.
- 32969 PAINE, L. A. Butt rot defect and potential hazard in lodgepole pine [*Pinus contorta*] on selected California recreational areas. U. S. Forest Serv. Res. Note PSW-106,7 p. 1966. A99.9 F7652
- 32970 PALUDAN, F. Infection and spread of *Fomes annosus* in young Norway spruce. (Da) *Denmark. Forstl. Forsogskomm. Forstl. Forsogsv. Denmark* 30(1):19-47. 1966. 99.9 D41
English summary.
- 32971 PARTRIDGE, A. D. Some effects of cycloheximide [Actidione] on selected forest fungi. *Plant Dis. Rep.* 50(7):497-499. Ref. July 1966. 1.9 P69P
In culture.
- 32972 PETERSON, G. W. Dutch elm disease in Nebraska. *Plant Dis. Rep.* 48(10):781, map. Oct.15,1964. 1.9 P69P
Caused by *Ceratocystis ulmi*.
- 32973 POWELL, J. M., and MORF, W. Temperature and pH requirements for aeciospore germination of *Peridermium stalactiforme* and *P. harknessii* of the *Cronartium coleosporioides* complex. *Can. J. Bot.* 44(12):1597-1606. Ref. Dec.1966. 470 C16C
Rusts of pine.
- 32974 QUICK, C. R. Experimental inoculation of ponderosa pine [*Pinus ponderosa*] with western gall rust. *Plant Dis. Rep.* 50(8):550-552. Aug.1966. 1.9 P69P
Caused by *Peridermium harknessii* in California.
- 32975 ROSS, E. W. Incidence of *Polyporus tomentosus* [circularis] in slash pine [*Pinus elliotii*] plantations in the Southeastern United States. *Plant Dis. Rep.* 50(7):527. July 1966. 1.9 P69P
- 32976 SHCHEDROVA, V. I. Canker [Biatridina pinastri], a disease of pine advance growth. (Rus) *Les. Zh.* 3:40-45. 1965. 99.8 I28
- 32977 SHIGO, A. L. A canker on maple caused by fungi infecting wounds made by the red squirrel. *Plant Dis. Rep.* 48(10):794-796. Oct.15, 1964. 1.9 P69P
Acer saccharum and *A. rubrum* in New Hampshire.
- 32978 STEGALL, W. A. Fruiting of *Fusarium lateritium* pini on naturally infected pine pitch cankers. *Plant Dis. Rep.* 50(7):476-477. July 1966. 1.9 P69P
On *Pinus virginiana* and *P. echinata* in North Carolina.
- 32979 STIPES, R. J., and SCHREIBER, L. R. An evaluation of certain chemicals with dimethyl sulfoxide and of X-D, E. A. [Freers' Dutch Elm Arrestor] in the control of Dutch elm disease. *Plant Dis. Rep.* 50(8):573-575. Aug.1966. 1.9 P69P
Antifungal antibiotics used on *Ulmus americana*, to control *Ceratocystis ulmi*.
- 32980 SUTHERLAND, J. R., ADAMS, R. E., and TRUE, R. P. *Pythium* vexans and other conifer seedbed fungi isolated by the apple technique following treatments to control nematodes. *Plant Dis. Rep.* 50(8):545-547. Aug. 1966. 1.9 P69P
On red pine in West Virginia.
- 32981 TOOLE, E. R. Comparison of two methods for inoculating Nuttall oaks [*Quercus nuttallii*] with *Pleurotus ostreatus*. *Plant Dis. Rep.* 50(8):552-553. Aug.1966. 1.9 P69P
Mississippi.
- 32982 TOWERS, B. Root-contact infection by *Fomes annosus* in a thinned loblolly pine [*Pinus taeda*] plantation. *Plant Dis. Rep.* 48(10):767-769. Oct.15,1964. 1.9 P69P
North Carolina.
- 32983 WHITNEY, R. D. Susceptibility of white spruce to *Polyporus tomentosus* in healthy and diseased stands. *Can. J. Bot.* 44(12):1711-1716. Dec. 1966. 470 C16C
- 32984 WILLIAMSON, D. L. *Annosus* root rot in east Texas. *Tex. Forest Serv. Circ.* 97, rev., 6 p. Oct.1966. 99.9 T31C
Fomes annosus attacking pine trees.
- 32985 WYSONG, D. S., and PETERSON, G. W. Known distribution of Dutch elm disease in Nebraska, 1965. *Plant Dis. Rep.* 50(8):618, map. Aug. 1966. 1.9 P69P
Caused by *Ceratocystis ulmi*.
- 32986 ZYCHA, H., and COSTONIS, A. The needle-cast fungus *Lophodermium pinastri* (Schrad. ex Fr.) Chér. on *Pinus strobus* L. (Ge) *Phytopathol. Z.* 55(4):309-316. Ref. Apr.1966. 464.8 P562
English summary.
Germany.

Nematodes

- 32987 CORBETT, D. C. M. Central African nematodes, II. *Paratylenchus crenatus* n. sp. (Nematoda, Cricematidae) from Malawi. *Nematologica* 12(1):101-104. 1966. 436.8 N342
Associated with needle dieback in *Pinus taeda*.

- 32988 CORBETT, D. C. M. Central African nematodes, III. *Anguina hyparrheneae* n. sp. associated with witches broom of *Hyperbaria* spp. *Nematologica* 12(2):280-286. 1966. 436.8 N342
- 32989 EPPS, J. M., and CHAMBERS, A. Y. Comparative rates of reproduction of *Heterodera glycines* on 12 host plants. *Plant Dis. Rep.* 50(8):608-610. Ref. Aug.1966. 1.9 P69P
- 32990 KOEN, H. Soil fumigation, combined with susceptible cash crops, to control root-knot nematodes (*Meloidogyne* spp.). *Nematologica* 12(1):109-112. 1966. 436.8 N342
Potatoes, peanuts and cotton; *Meloidogyne javanica* and *M. incognita*.
- 32991 MARTELLI, G. P., COHN, E., and DALMASSO, A. A redescription of *Xiphinema italiae* Meyl, 1953 and its relationship to *Xiphinema arena-rum* Luc et Dalmasso, 1963 and *Xiphinema conurum* Siddiqi, 1964. *Nematologica* 12(2):183-194. 1966. 436.8 N342
Parasitizing *Opuntia ficus indica* and *Euphorbia*.
- 32992 MARTIN, G. C. Plants attacked by root-knot nematodes [*Meloidogyne*] in Rhodesia, Zambia and Malawi; Supplementary List No. 3. *Rhodesia Agr. J.* 63(3):69-71. May/June 1966. 24 R34
- 32993 MCELROY, F. D., SHER, S. A., and VAN GUNDY, S. D. The sheath nematode, *Hemicycliphora arenaria*, a native to California soils. *Plant Dis. Rep.* 50(8):581-583. Aug.1966. 1.9 P69P
Hymenoclea salsola plants.
- 32994 NIRULA, K. K., and KUMAR, R. Additions to host records of root knot nematodes. *Nematologica* 12(1):180. 1966. 436.8 N342
Meloidogyne incognita and *M. javanica*.
- 32995 SEINHORST, J. W. The relationships between population increase and population density in plant parasitic nematodes. I. *Nematologica* 12(1):157-169. 1966. 436.8 N342
- 32996 SUTHERLAND, J. R., and ADAMS, R. E. Population fluctuations of nematodes associated with red pine seedlings following chemical treatment of the soil. *Nematologica* 12(1):122-128. Ref. 1966. 436.8 N342
- 32997 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. CROPS PROTECTION RESEARCH BR. Nematology literature list, 1965, by G. S. Cobb and D. F. Miles. Beltsville, Maryland, 1966. 85 p. (Its CR-38-66) A241.7 R313
- Nematodes - Field Crops
- 32998 FUSHTHEY, S. G., and JOHNSON, P. W. The biology of the oat cyst nematode, *Heterodera avenae* in Canada. I. *Nematologica* 12(2):313-320. Ref. 1966. 436.8 N342
- 32999 HARLAN, D. P., and JENKINS, L. Elimination of soybean cyst nematodes [*Heterodera glycines*] from the roots of plants by chemical dips. *Plant Dis. Rep.* 50(8):548-549. Aug. 1966. 1.9 P69P
Missouri.
- 33000 HOHENER, H., and BURGI, S. Practical trials on the control of the eelworm *Ditylenchus dipsaci* (Kuhn) on sugar beet in Switzerland. (Ge) *Zucker* 19(9):225-232. Ref. May 1, 1966. 65.8 Z82
English summary.
Parathion used.
- 33001 JORGENSEN, E. C., and SMITH, C. H. Evaluation of selected varieties of sugarbeets for response to the sugarbeet nematode, *Heterodera schachtii*. *Plant Dis. Rep.* 50(9):650-654. Ref. Sept.1966. 1.9 P69P
Utah.
- 33002 KHAKIMOV, N. KH. Nematode fauna of cotton fields in the Golodnaya Step and its dynamics. (Rus) *Zool. Zh.* 45(8):1253-1255. 1966. 410 R92
English summary.
- 33003 MILLER, P. M. Control of *Heterodera tabacum* with volatile and nonvolatile nematocides. *Plant Dis. Rep.* 50(7):506-509. July 1966. 1.9 P69P
Tobacco.
- 33004 NORTON, D. C. Additions to the known hosts of *Meloidogyne hapla*. *Plant Dis. Rep.* 50(7):523-524. July 1966. 1.9 P69P
Soybeans and legumes in Iowa.
- 33005 PRASAD, S. K., and others. Effect of nitrogen application and frequency of irrigation on the root-knot nematode *Meloidogyne* infection in tobacco. *Indian J. Entomol.* 27(3):290-296. Sept.1965. 420 In23
V. K. Mathur, A. V. Chari, and S. S. Bains, joint authors.
- 33006 REYNOLDS, H. W., and O'BANNON, J. H. The efficacy and residual nature of experimental chemicals for controlling *Meloidogyne incognita* acrita on Deltapine cotton in Arizona. *Plant Dis. Rep.* 50(7):512-515. July 1966. 1.9 P69P
- 33007 RIFFLE, J. W., and KUNTZ, J. E. Nematodes in maple dieback areas in Wisconsin. *Plant Dis. Rep.* 50(9):677-681. Ref. Sept.1966. 1.9 P69P
Acer saccharum.
- 33008 SISTO, A. M. Grammar nematocides with systemic action. (It) *Prog. Agr. [Bologna]* 12(10):993-1010. Oct.1966. 58.8 P94
Field crops.
- Nematodes - Horticultural Crops
- 33009 AMICI, A. Further research on the diffusion of *Xiphinema* index and on the presence of other nematodes on Italian grapevines. (It) *Riv. Patol. Veg. (ser.4)* 1(3):109-128. July/Sept.1965. 454.6 R52
English summary.
- 33010 BEUZENBERG, M. P. Control of nematodes on *Helieborus*, (Du) Aalsmeer, Proefsta. Bloemisterij, Jaarverslag 1965:87-88. 86 A44
Control of *Pratylenchus vulnus* and *P. penetrans* by interplanting *Tagetes*.
- 33011 BLAKE, C. D. The histological changes in banana roots caused by *Radopholus similis* and *Helicotylenchus multicinctus*. *Nematologica* 12(1):129-137. Ref. 1966. 436.8 N342
- 33012 COHN, E., and KRIKUN, J. A disease of onion associated with an ectoparasitic nematode of the genus *Longidorus* [vineicola]. *Plant Dis. Rep.* 50(9):711-712. Sept.1966. 1.9 P69P
Israel.
- 33013 COHN, E. Observations on the survival of free-living stages of the citrus nematode. *Nematologica* 12(2):321-327. Ref. 1966. 436.8 N342
Tylenchulus semipenetrans.
- 33014 DROPKIN, V. H., and BOONE, W. R. Analysis of host-parasite relationships of root-knot nematodes by single-larva inoculations of excised tomato roots. *Nematologica* 12(2):225-236. 1966. 436.8 N342
Meloidogyne.
- 33015 DUCHARME, E. P., and PRICE, W. C. Dynamics of multiplication of *Radopholus similis*. *Nematologica* 12(1):113-121. 1966. 436.8 N342
Infecting roots of citrus trees.
- 33016 EDMUNDS, J. E., and FARRELL, K. M. *Tylenchulus semipenetrans* in Trinidad. *Plant Dis. Rep.* 50(7):478. July 1966. 1.9 P69P
Cause of dieback on citrus.
- 33017 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Potato tuber eelworm. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 372, rev., 4 p. May 1966. 10 G79La
Ditylenchus destructor and *D. dipsaci*.
- 33018 HLJINK, M. J. Crop rotation research and peas. (Du) *Peulvruchten Stud. Combinatie. Meerjarenplan Onderz. Akkerbouwpeulvruchten* 8:14-15. 1966. 60.38 P46
Chiefly on nematode infection of peas.
- 33019 LEAR, B., and others. The sugarbeet nematode [*Heterodera schachtii*] associated with reduced yields of cauliflower and other vegetable crops. *Plant Dis. Rep.* 50(8):611-612. Aug.1966. 1.9 P69P
S. T. Miyagawa, D. E. Johnson, and C. B. Atlee, joint authors.
California.

- 33020 MARLATT, R. B. *Ficus elastica* a host of *Aphelenchoides besseyi* in a subtropical climate. Plant Dis. Rep. 50(9):689-691. Sept. 1966. 1.9 P69P
Florida.
- 33021 MARTIN, W. J., BIRCHFIELD, W., and HER-NANDEZ, T. P. Sweetpotato varietal reaction to the reniform nematode [*Rotylenchulus reniformis*]. Plant Dis. Rep. 50(7):500-502. July 1966. 1.9 P69P
Louisiana.
- 33022 MCCLURE, M. A., and VIGLIERCHIO, D. R. The influence of host nutrition and intensity of infection on the sex ratio and development of *Meloidogyne incognita* in sterile agar cultures of excised cucumber roots. Nematologica 12 (2):248-258. Ref. 1966. 436.8 N342
- 33023 MCCLURE, M. A., and VIGLIERCHIO, D. R. Penetration of *Meloidogyne incognita* in relation to growth and nutrition of sterile, excised cucumber roots. Nematologica 12(2):237-247. Ref. 1966. 436.8 N342
- 33024 ORR, C. C., and GOLDEN, A. M. The pseudo-root-knot nematode [*Hypoperine graminis*] of turf in Texas. Plant Dis. Rep. 50(9):645. Sept. 1966. 1.9 P69P
- 33025 PEACOCK, F. C. Nematode [*Meloidogyne incognita*] control by plant chemotherapy. Nematologica 12(1):70-86. Ref. 1966. 436.8 N342
Tomato infected with 1-3-5-tricyano-3-phenylpentane.
- 33026 RASKI, D. J., HART, W. H., and KASIMATIS, A. N. Modern viticulture. II. How to control nematodes. (Sp) Agr. Amer. 15(6):46-49, 60. June 1966. 58.8 Ag832
- 33027 RASKI, D. J., HART, W. H., and KASIMATIS, A. N. Modern viticulture: how to control nematodes. II. Chemical control. World Farming 8(10):38-39, 55, 58. (Cont.) Oct. 1966. 30.08 W89
- 33028 ROGGEN, D. R. On the morphology of *Xiphinema* index reared on grape leaf vein virus infected grapes. Nematologica 12(2):287-296. Ref. 1966. 436.8 N342
- 33029 SASSER, J. N., HAASIS, F. A., and CANNON, T. F. Pathogenicity of *Meloidogyne* species on *Ilex*. Plant Dis. Rep. 50(9):664-668. Sept. 1966. 1.9 P69P
Ilex crenata and *I. cornuta*.
- 33030 SCHONBECK, H. Root gall nematodes also in Freiland. (Ge) Pflanzenarzt 18(12):125-126. Dec. 1, 1965. 464.9 P482
On vegetables.
- 33031 SEINHORST, J. W. *Longidorus elongatus* on *Fraxia vesca*. Nematologica 12(2):275-279. 1966. 436.8 N342
- 33032 SINGH, R. S., and SITARAMAIAH, K. Incidence of root knot of okra and tomatoes in oil-cake amended soil. Plant Dis. Rep. 50(9):668-672. Sept. 1966. 1.9 P69P
Caused by *Meloidogyne javanica* in India.
- 33033 TROLL, J., and ROHDE, R. A. The effects of nematocides on turgrass growth. Plant Dis. Rep. 50(7):489-492. July 1966. 1.9 P69P
- 33034 WALLACE, H. R. The influence of moisture stress on the development, hatch and survival of eggs on *Meloidogyne javanica*. Nematologica 12(1):57-69. Ref. 1966. 436.8 N342
Isolated from tomato roots.
- 33035 WILSKI, A., and GEBEL, J. Beta-glucosidase in *Heterodera rustochiensis* and its significance in resistance of potato to this nematode. Nematologica 12(2):219-224. Ref. 1966. 436.8 N342
- 33036 WINCHESTER, J. A. A root dip treatment for control of root-knot nematodes [*Meloidogyne incognita* acrita] on celery transplants. Plant Dis. Rep. 48(10):782-783. Oct. 15, 1964. 1.9 P69P
Control with Bayer 25141 and O,O-diethyl O-2-pyrazinyl phosphorothioate (Zinophos) in Florida.
- 33037 BROWN, R. M., SMITH, K. M., and WALNE, P. L. Replication cycle of the blue-green algal virus LPP-1. Nature [London] 212(5063):729-730. Nov. 12, 1966. 472 N21
Plectonema boryanum.
- 33038 KOHLER, E. The virus susceptibility of leaves in relation to their sequence on the stem: experiments with tobacco mosaic virus on *Nicotiana glauca* L. (Ge) Biol. Zentralbl. 85(1):1-5. Jan./Feb. 1966. 442.8 B523
- 33039 SILBERSCHMIDT, K. M., and BITANCOURT, A. A. Virus diseases of coffee plants. (Sp) Cafe [Lima] 6(1):1-7. July/Oct. 1965. SB269.A1C3
English summary.
In Brazil.

Virus Diseases - Field Crops

- 33040 ATANASOFF, D. Maize leaf fleck disease. Phytopathol. Z. 56(1):25-33. Ref. May 1966. 464.8 P562
Virus disease.
- 33041 DOLLINGER, E. J., FINDLEY, W. R., and WILLIAMS, L. E. Negative evidence for mutagenic activity of the maize dwarf mosaic virus in maize. Crop Sci. 6(5):496-497. Sept./Oct. 1966. 64.8 C833
- 33042 FRANCKI, R. I. B. Some factors affecting particle length distribution in tobacco mosaic virus preparations. Virology 30(3):388-396. Ref. Nov. 1966. 448.8 V81
- 33043 GEROLA, F. M., and BASSI, M. An electron microscopy study of leaf vein tumours from maize plants experimentally infected with maize rough dwarf virus. Caryologia 19(1):13-40. Ref. Jan./Mar. 1966. 442.8 C25
- 33044 GIBBS, A. J., VARMA, A., and WOODS, R. D. Viruses occurring in white clover (*Trifolium repens* L.) from permanent pastures in Britain. Ann. Appl. Biol. 58(2):231-240, map. Ref. Oct. 1966. 442.8 Ar72
- 33045 HAMILTON, R. I., and BALL, E. M. Antigenic analysis of extracts from barley infected with barley stripe mosaic virus. Virology 30(4):661-672. Ref. Dec. 1966. 448.8 V81
- 33046 HARRISON, B. D., and KLUG, A. Relation between length and sedimentation coefficient for particles of tobacco rattle viruses. Virology 30(4):738-740. Dec. 1966. 448.8 V81
- 33047 HILL, L. Hoja blanca, disease of rice. (Sp) Credito Rural (ser. 2) 158:5, 10. Aug. 1965. 284, 28 C863
-Virus caused.
- 33048 INOUE, T. Some experiments on the seed transmission of barley stripe mosaic virus in barley with electron microscopy. Okayama Univ. Ohara Inst. Landwirt. Biol. Ber. 13(3):111-122. Aug. 1966. 107.6 Oh1
- 33049 LEBERMAN, R. The isolation of plant viruses by means of "simple" coacervates. Virology 30(3):341-347. Ref. Nov. 1966. 448.8 V81
From tobacco and Chinese cabbage by polymers.
- 33050 MULLER, A. S. Significant virus disease of corn in Latin America. (Sp) Ceiba 12(1):51-57. Ref. July 1966. 475 C32
- 33051 MUSIL, M. On the occurrence of mottle virus of red clover in Slovakia. (Cz) Biologia [Bratislava] 21(9):663-670. 1966. 442.8 B5263
German summary.
- 33052 OKELFELT, P. The use of a sintered-glass filter for concentrating tobacco mosaic virus suspensions. Virology 30(4):740-741. Dec. 1966. 448.8 V81
- 33053 PARISH, C. L., and ZAITLIN, M. Defective tobacco mosaic virus strain: identification of the protein of strain PM1 in leaf homogenates. Virology 30(2):297-303. Ref. Oct. 1966. 448.8 V81
- 33054 PETRINI, F. Vardering av en upplysningskampan mot dvargskottsjuka. Studies of the effect of an extension campaign against virus disease of oats. Uppsala. Lantbrukshögsk. Medd. Ser. A, 63, 32 p. 1966. 11 Up62
English summary.
- 33055 REVILLA M., V. A. A destructive virus disease of pangolagrass in Peru. (Sp) Vida Agr. [Lima] 42(504/505):521, 523, 525-530. Nov./Dec. 1965. 9.8 V66

Virus Diseases

- 33056 SIEGEL, A., HILLS, G. J., and MARKHAM, R. In vitro and in vivo aggregation of the defective PM2 tobacco mosaic virus protein. *J. Mol. Biol.* 19(1):140-144. Ref. Aug. 1966. 442.8 J8224
- 33057 TANIGUCHI, T. Chromatography of a mixture of tobacco mosaic virus and ribonucleases. *Virology* 30(2):317-318. Oct. 1966. 448.8 V81
- 33058 TAO, M., GORDON, M. P., and NESTER, E. W. Kinetic isotope studies on the inactivation of transforming deoxyribonucleic acid, tobacco mosaic virus, and its nucleic acid by ultraviolet light. *Biochemistry* 5(12):4146-4152. Ref. Dec. 1966. 381 B523
- 33059 YARWOOD, C. E. In vitro increase in virus infectivity. *Plant Dis. Rep.* 50(9):639-640. Sept. 1966. 1.9 P69P
Sugarbeets infected with cucumber mosaic virus, were used as source of inoculum in cow-peas.
- Virus Diseases - Horticultural Crops
- 33060 AKADEMIYA NAUK SSSR, DAL'NEVOSTOCHNYY FILIAL, BIOLOGO-POCHVENNYY INSTITUT. Virusnye bolezni kartofelya [Virus diseases of potatoes]. Moskva, Nauka, 1966. 212 p. Ref. SB608.P8B5
- 33061 BAGGETT, J. R., FRAZIER, W. A., and MCWHORTER, F. P. Sources of virus resistance in beans. *Plant Dis. Rep.* 50(7):532-536. Ref. July 1966. 1.9 P69P
- 33062 BAUERS, C. Several years experience of testing seed potato virus in Schleswig-Holstein. (Ge) *Kartoffelbau* 17(2):34-36. Feb. 1966. 75.8 K145
- 33063 BERCKS, R., and STELMACH, G. Identification of various viruses in twin diseases of grapes. (Ge) *Phytopathol.* 56(3):288-296. Ref. July 1966. 464.8 P562
English summary.
- 33064 BOONE, D. M. Ringspot disease of cranberry. *Plant Dis. Rep.* 50(8):543-545. Aug. 1966. 1.9 P69P
Disease with virus-like symptoms in Wisconsin.
- 33065 BURKE, D. W. Time of planting in relation to disease incidence and yields of beans in central Washington. *Plant Dis. Rep.* 48(10):799-793. Oct. 15, 1964. 1.9 P69P
Chiefly mosaic-susceptible and resistant varieties.
- 33066 CRONSHAW, J., HOFFERT, L., and ESAU, K. Ultrastructural features of Beta [vulgaris] leaves infected with beet yellows virus. *J. Cell Biol.* 31(3):429-443. Ref. Dec. 1966. 442.8 J828
- 33067 DEROSIER, D., and HASELKORN, R. Minor components associated with turnip yellow mosaic virus. *Virology* 30(4):705-715. Dec. 1966. 448.8 V81
- 33068 DEROSIER, D. J., and HASELKORN, R. Particle weight of turnip yellow mosaic virus. *J. Mol. Biol.* 19(1):52-59. Ref. Aug. 1966. 442.8 J8224
- 33069 FRY, P. R., and CAMPBELL, R. N. Transmission of a tobacco necrosis virus by *Olpidium brassicae*. *Virology* 30(3):517-527. Nov. 1966. 448.8 V81
To lettuce.
- 33070 GILLILAND, J. M., LANGMAN, R. E., and SYMONS, R. H. Properties of the ribonucleotide kinases after infection of cucumber with tobacco ringspot virus. *Virology* 30(4):716-723. Ref. Dec. 1966. 448.8 V81
- 33071 GILMER, R. M., and others. IR-2 [Interregional Research Project IR-2] Fruit Virus Subproject, an interim report. *Plant Dis. Rep.* 50(7):461-464. July 1966. 1.9 P69P
A. B. Groves, G. I. Mink, and J. R. Shay, joint authors.
Apples and pears in Illinois.
- 33072 HAKKAART, F. A., and BEUZENBERG, M. P. A virus disease of Cyclamen. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1966:74-76. 86 Aa4
- 33073 HAKKAART, F. A. Virus diseases of carnations. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1965:42-43. 86 Aa4
- 33074 HAKKAART, F. A. Virus diseases of Chrysanthemum. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1965:68-69. 86 Aa4
- 33075 HALTVICK, E. T., DANA, M. N., and STRUCKMEYER, B. E. External and anatomical symptoms in virus infected strawberry plants. *Amer. Soc. Hort. Sci. Proc.* 88:360-364. Ref. 1966. 81 S012
Mottle virus.
- 33076 HAMDORF, G. Effects of apple rough skin on its quality and yields. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 21(2):52-65. Feb. 1966. 85 J76
Caused by virus.
- 33077 INOUE, N. A virus disease of *Cymbidium* caused by *Odontoglossum ringspot virus*. *Okayama Univ. Ohara Inst. Landwirt. Biol. Ber.* 13(3):149-159. Ref. Aug. 1966. 107.6 Ohi
- 33078 JERMOLJEV, E., and BRCAK, J. Preventive effect of inhibitors for potato leaves on local infection with virus X. *Biol. Plant.* 8(5):393-397. 1966. 450 B52
- 33079 JERMOLJEV, E., and ALBRECHTOVA, L. Investigation of the X virus inhibitor from potato leaf sap. *Biol. Plant.* 8(6):434-443. 1966. 450 B52
- 33080 JERMOLJEV, E., and ALBRECHTOVA, L. Serological determination of the amount of the X virus inhibitor in potato leaf sap. *Biol. Plant.* 8(6):444-451. 1966. 450 B52
- 33081 KEMP, W. G. The occurrence of yellow-net vein virus in geraniums in Ontario. *Can. Plant Dis. Surv.* 46(3):81-82. Sept. 1966. 464.9 C16S
- 33082 LAIRD, E. F., DESJARDINS, P. R., and DICKSON, R. C. Tobacco etch virus and potato virus Y from pepper [*Capsicum annum*] in southern California. *Plant Dis. Rep.* 48(10):772-776. Ref. Oct. 15, 1964. 1.9 P69P
- 33083 LONGLEY, W., and LEBERMAN, R. Structural similarity of artificial and natural top components of turnip yellow mosaic virus. *J. Mol. Biol.* 19(1):223-225. Aug. 1966. 442.8 J8224
- 33084 LOVISOLO, O. Observations on epidemiology of plant virus diseases, especially of ornamentals. (It) *Turin. Accad. Agr. Ann.* 107:195-226. 1964/65. 16 T63
Bibliography, p. 219-226.
- 33085 MATHUR, S. B., MISHRA, M. D., and TIWARI, V. P. A new strain of tobacco mosaic virus affecting chilli pepper variety Puri Orange. *Plant Dis. Rep.* 50(8):619-622. Aug. 1966. 1.9 P69P
India.
- 33086 MCCRUM, R. C. Viruses and blueberries, some problems and future aspects. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:62-64. 1966. 100 M28M
- 33087 MISCHKE, W. The Shirofugen test for the detection of ring spot virus of stone fruit. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 18(2):20-25. Feb. 1966. 442.9 B832
English summary.
Prunus serrulata.
- 33088 MURPHY, H. J., GOVEN, M. J., and MERRIAM, D. C. Effect of three viruses on yield, specific gravity, and chip color of potatoes in Maine. *Amer. Potato J.* 43(11):393-396. Ref. Nov. 1966. 75.8 P842
Pathogens.
- 33089 PATT, J. Observations on the appearance of the "little leaf" (stubborn) disease of citrus. *Plant Dis. Rep.* 48(10):761-762. Oct. 15, 1964. 1.9 P69P
Virus disease in Israel.
- 33090 PELET, F., BOVEY, R., and BOUTTELL, G. Serological detection of apricot virus. (Fr) *Agr. Romane (ser.)* 5(10):99-100. Oct. 1966. 17 Ag8
- 33091 PHILLIP, M. J., HONMA, S., and MURAKISHI, H. H. Inheritance of resistance to tobacco mosaic virus induced internal browning in tomatoes. *Amer. Soc. Hort. Sci. Proc.* 88:544-549. 1966. 81 S012

- 33092 POLAK, Z. Anchusa-mosaic caused by TMV-infection in nature. *Biol. Plant.* 8(6):431-433. 1966. 450 B52
Anchusa officinalis.
- 33093 QUAAQT, A. R., and FULTON, R. W. A disease of *Rhamnus cathartica* caused by cucumber mosaic virus. *Plant Dis. Rep.* 50(8):613-614. Aug. 1966. 1.9 P69P
Ornamental plant in Wisconsin.
- 33094 RALPH, R. K., and WOJCIK, S. J. Effects of 2-thiouracil on synthesis of double-stranded turnip yellow mosaic virus RNA in cell-free extracts. *Biochim. Biophys. Acta* 129(3):625-627. Dec. 21. 1966. 381 B522
- 33095 REFATTI, E., MOGLIA, C., and PESSINA, F. First indications of possible etiology of the moria virus in pears. (It) *Riv. Patol. Veg.* (ser. 4) 2(2):65-82. Ref. Apr./June 1966. 464.8 R52
English summary.
- 33096 ROHLOFF, I. The occurrence of resistance and tolerance of mosaic virus in the head lettuce (*Lactuca sativa* L.). (Ge) *Saatgut-Wirtsch.* 18(9):306-307. Sept. 1966. 61.8 Sa1
- 33097 ROHLOFF, I. Study of the lettuce seeds infected with the mosaic virus. (Ge) *Saatgut-Wirtsch.* 18(6):206-207. June 1966. 61.8 Sa1
- 33098 SEMANCIK, J. S. Studies on electrophoretic heterogeneity in isometric plant viruses. *Virology* 30(4):698-704. Ref. Dec. 1966. 448.8 V81
Bean pod mottle virus and cowpea yellow mosaic virus.
- 33099 SHIKATA, E., and MARAMOROSCH, K. Electron microscopy of pea enation mosaic virus in plant cell nuclei. *Virology* 30(3):439-454. Ref. Nov. 1966. 448.8 V81
- 33100 STONE, W. J. H., and NELSON, M. R. Alfalfa mosaic virus (calico) of lettuce. *Plant Dis. Rep.* 50(9):629-631. Sept. 1966. 1.9 P69P
Arizona.
- 33101 TREMAINE, J. H. The amino acid and nucleotide composition of the bean and cowpea strains of southern bean mosaic virus. *Virology* 30(3):348-354. Ref. Nov. 1966. 448.8 V81
- 33102 VAN KAMMEN, A., HENSTRA, S., and IE, T. S. Morphology of tomato spotted wilt virus. *Virology* 30(3):574-577. Nov. 1966. 448.8 V81
- Virus Diseases - Forest Trees
- 33103 SCHMELZER, K. Investigations of viruses of ornamental and wild shrubs. 5. Virus diseases of *Populus* and *Sambucus*. (Ge) *Phytopathol. Z.* 55(4):317-351. Ref. Apr. 1966. 464.8 P562
English summary.
East Germany.
- Physiological Diseases
- 33104 BATJER, L. P., and WILLIAMS, M. W. Effects of N-dimethyl amino succinamic acid (Aala) on watercore and harvest drop of apples. *Amer. Soc. Hort. Sci. Proc.* 88:76-79. 1966. 81 So12
- 33105 BIK, R. A. Tests with increasing NaCl concentration in irrigation water in combination with substrate. (Du) *Aalsmeer. Proefsta. Bloemisterij, Jaarverslag* 1965:48-51. 86 Aa4
Salt tolerance of Azalea.
- 33106 GAUSMAN, H. W., and BATTEESE, R. I. Stem streak necrosis on potato plants. *Maine Farm Res.* 14(2):44-45. July 1966. 100 M28Ma
Caused by excess of manganese.
- 33107 HARRIS, H. C., and BROLMANN, J. B. Comparison of calcium and boron deficiencies of the peanut. I. Physiological and yield differences. *Agron. J.* 58(6):575-578. Ref. Nov. Dec. 1966. 4 Am34P
- 33108 HARRIS, H. C., and BROLMANN, J. B. Comparison of calcium and boron deficiencies of the peanut. II. Seed quality in relation to histology and viability. *Agron. J.* 58(6):578-582. Ref. Nov. Dec. 1966. 4 Am34P
- 33109 HOEVEN, A. P. V. D. Tipburn in lettuce. (Du) *Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas, Jaarverslag* 1965:84-88. 86 N12J
English summary, p.5 of summary section.
- 33110 MANCEV, J. Tests with the effect of the preparation sequestrone Fe 138 on chlorosis. (Se) *Agrohemija* 5/6:191-195. 1966. 385 Ag87
English summary.
Grapes.
- 33111 OLDENKAMP, L., and SMILDE, K. W. Copper deficiency in Douglas fir (*Pseudotsuga menziesii* (Mirb.) Franco). *Plant Soil* 25(1):150-152. Aug. 1966. 450 P696
- 33112 PETERS, E. H. Elephant hide of potato. *Can. Plant Dis. Surv.* 46(3):99. Sept. 1966. 464.9 C16S
- 33113 READ, P. E., and SHELDRAKE, R. Correction of chlorosis in plants grown in Cornell Peat-lite mixes. *Amer. Soc. Hort. Sci. Proc.* 88:576-581. Ref. 1966. 81 So12
- 33114 SADIK, S., and MINGES, P. A. Symptoms and histology of tomato fruits affected by blotchy ripening. *Amer. Soc. Hort. Sci. Proc.* 88:532-543. Ref. 1966. 81 So12
- 33115 SALERNO, M. Observations on the etiology of rumple on lemon fruits. (It) *Riv. Patol. Veg.* (ser. 4) 1(1/2):35-40. Jan./June 1965. 464.8 R52
English summary.
Caused probably by water unbalance, associated with calcium deficiency.
- 33116 SCHIEBER, E. A canker disease of Red Delicious apple in Guatemala. *Plant Dis. Rep.* 50(9):694-695. Sept. 1966. 1.9 P69P
Resembles a physiogenic disease.
- 33117 VYSKREBENTSEVA, E. L., and KRASAVINA, M. S. Effect of potassium deficiency on the free nucleotide content in pumpkin roots. (Rus) *Fiziol. Rast.* 13(3):433-445. Ref. May/June 1966. 450 F58
English summary.
- 33118 WILLIAMS, M. W. Relationship of sugars and sorbitol to watercore in apples. *Amer. Soc. Hort. Sci. Proc.* 88:67-75. Ref. 1966. 81 So12
- Injuries
- 33119 ANASTASIA, F. B., and KENDER, W. J. Arsenic toxicity in the lowbush blueberry. *HortScience* 1(1):26-27. Winter 1966. SB1.H6
- 33120 BARROWS, H. L. Soil pollution and its influence on plant quality. *J. Soil Water Conserv.* 21(6):211-216. Ref. Nov. Dec. 1966. 56.8 J322
Chiefly on the effects of economic poisons on plants.
- 33121 BERKEL, N. VAN. Some technical aspects of administering CO₂. (Du) *Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas, Jaarverslag* 1965:167-169. 86 N12J
English summary, p.9-10 of summary section.
In connection with injuries to plants.
- 33122 BEUZENBERG, M. P. Control of pests in outdoor cultures. (Du) *Aalsmeer. Proefsta. Bloemisterij, Jaarverslag* 1965:70-72. 86 Aa4
Injuries to Chrysanthemum by economic poisons.
- 33123 BEUZENBERG, M. P. Control of pests in year round cultures. (Du) *Aalsmeer. Proefsta. Bloemisterij, Jaarverslag* 1965:69-70. 86 Aa4
Injuries to Chrysanthemum by economic poisons.
- 33124 BRODO, I. M. Lichen growth and cities: a study on Long Island, New York. *Bryologist* 69(4):427-449, map. Ref. Winter 1966. 450 B84
Chiefly effects of air pollution.
- 33125 FOSTER, R. B. Effect of heavy winter rodent infestation on perennial forage plants. *J. Range Manage.* 18(5):286-287. Sept. 1965. 60.18 J82
- 33126 GERARD, P. Protection of young palms against rodents. (Fr) *Oleagineux* 21(10):585-587. Oct. 1966. 77.8 OL2
- 33127 GRASMANIS, V. O., and LEEPER, G. W. Toxic manganese in near-neutral soils. *Plant Soil* 25(1):41-48. Aug. 1966. 450 P696
Effect on apples and pears.

- 33129 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. The Cypripedium. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 479, rev. 4 p. Aug. 1966. 10 G79La
Control of this pest of plants.
- 33129 HALFACRE, R. G., and FULMER, J. P. The microclimatalogical relationship of shading and mulching to winter injury of container-grown ornamentals. Amer. Soc. Hort. Sci. Proc. 88:684-689. 1966. 81 So12
Ilex crenata and Gardenia jasminoides.
- 33130 HALL, I. V., and LEEFE, J. S. The effects of frost injury on the percentage of marketable lowbush blueberries after raking. Maine. Agr. Exp. Sta. Misc. Rep. 118:122-123. 1966. 100 M28M
- 33131 KACSO, A., and MORITZ, I. Can dusting be harmful to dew-covered plants? (Hu) Magyar Mezőgazdaság 21(47):14. Nov. 23, 1966. 19 M27
Scorching study with Wofatox.
- 33132 LIDER, L. A., LANGE, A. H., and LEONARD, O. A. Susceptibility of grape, Vitis vinifera, L., varieties to root application of simazine and diuron. Amer. Soc. Hort. Sci. Proc. 88:341-345. 1966. 81 So12
Causing injuries.
- 33133 LORD, W. J., PETERSON, J. W., and WALLS, D. T. Bird depredation of blueberries and attempted control in Massachusetts. Maine. Agr. Exp. Sta. Misc. Rep. 118:51-55. 1966. 100 M28M
- 33134 MARTIN, F. W. Frosty spot. A developmental disturbance of the tomato leaf. Ann. Bot. (ns.) 30(120):701-709. Oct. 1966. 450 An7
- 33135 MAYNARD, D. N., BARKER, A. V., and LACHMAN, W. H. Ammonium-induced stem and leaf lesions of tomato plants. Amer. Soc. Hort. Sci. Proc. 88:516-520. 1966. 81 So12
- 33136 ORLOV, A. Investigating injuries caused by grapevine cultivators. (Rus) Sadovodstvo 11:27. Nov. 1966. 80 Sa13
- 33137 PICCO, D., and TOMASELLI, R. Cement plant dusts on crops. (It) Ital. Agr. 103(10):917-920. Oct. 1966. 16 It1
- 33138 PRINCE, V. E. Winter injury to peach trees in central Georgia. Amer. Soc. Hort. Sci. Proc. 88:190-196. 1966. 81 So12
- 33139 PROKHOROV, M. I. Mikrobiologicheskiy metod bor'by s vrednymi gryzunami [Microbiological method for controlling harmful rodents]. Ed. 2, rev. and enl. Leningrad, Kolos, 1966. 173 p. SB994.R6P7
As pests in agriculture.
- 33140 RIBAL, M., and HANUS, S. Ochrana lesních kultur, ovocných sadů a vinic před poskozováním zvěří [Protection of forest trees, fruit and grape stands against injuries by wildlife]. Praha, Státní Zemědělské Nakladatelství, 1966. 82 p. Ref. SB601.R5
- 33141 ROGNERUD, B. Watering against night frost is profitable. (No) Norsk Landbruk 12:6-7. June 17, 1966. 11 N8122
Chiefly potatoes.
- 33142 SMITH, E. M., CHADWICK, L. C., and REISCH, K. W. The use of anti-desiccants in reducing transpiration and protecting ornamental plants against winter injury. Amer. Soc. Hort. Sci. Proc. 88:703-707. 1966. 81 So12
- 33143 STERRENBURG, P., and ROOYEN, J. V. VAN. Control of water rats. (Du) Ned. Fruitteelaars Organ. Berichtenbl. 22(11/12):259. Nov./Dec. 1966. 95.9 N28
In orchards.
- 33144 SUNDSTOL, F. When does frost cause injuries to grain? (No) Norsk Landbruk 12:24, 35. June 17, 1966. 11 N8122
- 33145 TSUNODA, K., WADA, J., and SATO, R. Practical studies on cold-weather injuries in rice plants. 22. On the varietal difference in the delay of heading time caused by low temperature and its mechanism. (Ja) Crop Sci. Soc. Japan, Proc. 34(4):399-402. Ref. June 1966. 22.5 C88
English summary.
- 33146 VAGT, W. The rotating flag as a device for frightening away starlings. (Ge) Obstbauver-suchsring Alten Landes. Mitt. 21(6):211-213. June 1966. 85 J76
As cherry pests.
- 33147 WALKER, D. R., ANDERSON, J. L., and CALI, A. B. Destructive animals in Utah fruit orchards. Utah Farm Home Sci. 27(3):93-97. Sept. 1966. 100 U11F
Wildlife as pests; includes control.
- 33149 YOUNG, R. H. Freezing points and lethal temperatures of citrus leaves. Amer. Soc. Hort. Sci. Proc. 88:272-279. Ref. 1966. 81 So12

SYSTEMATIC AND GEOGRAPHIC BOTANY

- 33149 ALIEV, R. K., and DAMIROV, I. A. Results of research on the drug plant flora of Azerbaijan. (Rus) Herba Hung. 5(1):55-62. 1966. 71.8 H413
German summary.
- 33150 BOJNANSKY, V. Notes on the flora of Cuba. (Cz) Biologia [Bratislava] 21(9):706-711. 1966. 442.8 B5265
- 33151 DUDA, J., and SULA, B. A contribution to the study of flora of the Skaly peat bogs near Ry-marov. (Cz) Cas. Slezského Muz., Ser. A, Sci. Natur. 15(2):155-162, map. 1966. 510 T75
German summary.
- 33152 GROM, I. I., and GROM, A. I. Drug plants of the Resenks district of Latvia. (Rus) Herba Hung. 5(1):37-39. 1966. 71.8 H413
German summary.
- 33153 HUTCHINS, R. E. Plants without leaves; lichens, fungi, mosses, liverworts, slime-molds, algae, horsetails. New York, Dodd, 1966. 152 p. QK505.H8
- 33154 JOHANSSON, H. Flora and vegetation at Mak-lappen. (Sw) Bot. Not. 119(3):419-426. Ref. 1966. 450 B656
- 33155 RABOTNOV, T. A. A contribution to the history of the Swiss geobotanical schools. (Rus) Bot. Zhur. 51(7):1029-1034. Ref. July 1966. 451 R23
- 33156 SCHJOTZ-CHRISTENSEN, B. Flora and fauna of the research area of the Mole Laboratory. List of recorded species. (Da) Natur. Jutlandica 12:88-148. 1966. 410 N2193
English summary.
Includes insects.

Spermatophytes

- 33157 AALDERS, L. E. Taxonomic relations of the blueberries of eastern Canada. Maine. Agr. Exp. Sta. Misc. Rep. 118:92-93. 1966. 100 M28M
- 33159 AGAMENNONE, O. C. The genus Valeriana. (It) Riv. Ital. Essenze—Profumi—Pianta Off.—Aromi—Saponi—Cosmet.—Aerosol 48(9):555-556. Sept. 1966. 308.8 R52
Includes systematic position.
- 33159 BALATOVA-TULACKOVA, E. Eriophorum gracile Koch on the pastures of Uvalno area and its geographic distribution in Moravia and Silesia. (Cz) Cas. Slezského Muz., Ser. A, Sci. Natur. 14(2):127-130, map. Ref. 1965. 510 T75
German summary.
- 33160 BERG, C. C., and SEGAL, S. Cardamine pratensis L. in the Netherlands. (Du) Gorteria 3(6):77-86, map. Ref. Nov. 1, 1966. 450 G68
English summary.
- 33161 BOCHER, T. W. Experimental and cytological studies on plant species. IX. Some arctic and montane Crucifers. Danske Videnskabsnernes Selskab. Biol. Skr. 14(7), 74 p. Ref. 1966. 442.9 D23B
Cytotaxonomy.
- 33162 BORHIDI, A., and PRISZTER, S. A new Cynanchum species (C. pannonicum n. sp.) in Hungary. (Ge) Acta Bot. 12(3/4):241-254. Ref. 1966. 450 Ac823
- 33163 BORHIDI, A., and ISEPY, I. Statistical studies on Potentilla species. Acta Bot. 12(3/4):221-239, map. Ref. 1966. 450 Ac823
- 33164 BORSOS, O. Microtaxonomical elaboration of species groups of Lotus corniculatus L. agg. in the Pannonian and Carpathian flora. (Ge) Acta Bot. 12(3/4):255-283. Ref. 1966. 450 Ac823

- 33165 BRAGG, L. H., and MCMILLAN, C. Ecotypic differentiation within four North American Prairie grasses. III. Chromatographic variation. Amer. J. Bot. 53(9):893-901. Ref. Oct. 1966. 450 Am36
Taxonomic study.
- 33166 CATLIN, P. B., and OLSSON, E. A. Identification of some *Pyrus* species after paper chromatography of leaf and bark extracts. Amer. Soc. Hort. Sci. Proc. 88:127-144. Ref. 1966. 81 So12
- 33167 COLEMAN, J. R. A taxonomic revision of section *Ximenesia* of the genus *Verbesina* L. (Compositae). Amer. Midland Natur. 76(2):475-481. Oct. 1966. 410 M58
- 33168 DAVIS, P. H. The identification of flowering plant families; including a key to those native and cultivated in north temperate regions. Edinburgh, Oliver, 1965. 122 p. QK643.A5D3 Angiospermae.
- 33169 DAWSON, E. Y. The cacti of California. Berkeley, University of California Press, 1966. 64 p. (California Natural History Guides, 18) QK495.C1D3
Identification.
- 33170 DVORAK, F. Distribution and variations of *Hesperis matronalis* L. in Slovakia. (Cz) Biologia [Bratislava] 21(11):834-840, map. Ref. 1966. 442.8 B5265
German summary.
- 33171 EDLIN, H. L. Know your conifers. Great Brit. Forest. Comm. Booklet 15, 56 p. 1966. 99.9 G795B
- 33172 FLINCK, K. E., and HYLMÖ, B. A list of seeds and species in the genus *Cotoneaster*. Bot. Not. 119(3):445-463. Ref. 1966. 450 B656
- 33173 FRANK, G. Gynmocalycium chiquitanum Card. (Du) Succulenta 45(11):164-166. Nov. 1966. 450 Su12
- 33174 GADELLA, T. W. J. Some notes on the delimitation of genera in the Campanulaceae. I-II. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(4):502-521. Ref. 1966. 442.9 Am8
- 33175 GILLET, G. W. Hybridization and its taxonomic implications in the *Scaevola gauchaudiana* complex of the Hawaiian Islands. Evolution 20(4):506-516. Ref. Dec. 1966. 443.8 Ev62
- 33176 GILLET, J. M. Type collections of *Trifolium* in the Greene Herbarium at Notre Dame [Canada]. Amer. Midland Natur. 76(2):468-474. Oct. 1966. 410 M58
- 33177 HAIR, J. B., and BEUZENBERG, E. J. Contributions to a chromosome atlas of the New Zealand flora. 7. Miscellaneous families. New Zeal. J. Bot. 4(3):255-266. Sept. 1966. 450 N48
Spermatophyta.
- 33178 EL-HAMIDI, E., and ETMAN, M. A. Chemotaxonomical studies on *Mentha* ssp. with especial reference to *Mentha crispata*. Herba Hung. 5(2/3):288-294. Ref. 1966. 71.8 H413
- 33179 HARRIS, T. Y. Wild flowers of Australia. Ed. 6. Sydney, Angus, 1966. 206 p. Ref. QK431.H3
- 33180 HEROUT, V. Contribution to the chemotaxonomy of Compositae family. (Ge) Herba Hung. 5(2/3):95-99. 1966. 71.8 H413
- 33181 JOSHI, M. C., and SARMA, C. B. S. R. Grasses of certain areas in Jhunjhun district, Rajasthan. Indian Forest. 92(9):570-575. Ref. Sept. 1966. 99.8 In2
- 33182 KAWANO, S., and ILLIS, H. H. Cytotaxonomy of the genus *Smilacina* (Liliaceae). II. Chromosome morphology and evolutionary consideration of New World species. Cytologia 31(1):12-28. Ref. Mar. 1966. 442.8 C99
- 33183 KERFOOT, O. Distribution of the Coniferae: the Cupressaceae in Africa. Nature 212(5065):961, map. Ref. Nov. 26, 1966. 472 N21
- 33184 KNABEN, C. Cytotaxonomical studies in some *Draba* species. Bot. Not. 119(3):427-444, map. Ref. 1966. 450 B656
- 33185 KOSTERMANS, A. J. G. H. The identity of *Hornera Jungh.* (Thymelaeaceae). Reinwardtia 7(2):139-140. Dec. 1965. 450 R272
- 33186 KOSTERMANS, A. J. G. H. A monograph of the genus *Parinari* Aubl. (Rosaceae-Chrysobalanaceae) in Asia and the Pacific region. Reinwardtia 7(2):147-213. Dec. 1965. 450 R272
Includes *Parinari gigantea* n. sp.
- 33187 KYZLIK, L., and MICHALEK, J. Lesnicka botanika [Forest botany]. Bratislava, SVPL, 1966. 484 p. Ref. QK45.K3
Includes taxonomy.
- 33188 MCALPINE, D. K. Orchids of New South Wales. Australian Natur. Hist. 15(6):174-178. June 15, 1966. 475 Au7
- 33189 MCCLURE, J. W., and ALSTON, R. E. A chemotaxonomic study of Lemnaceae. Amer. J. Bot. 53(9):849-860. Ref. Oct. 1966. 450 Am36
- 33190 MERGEN, F., SNYDER, E. B., and BURLEY, J. Variation in coastal and insular slash pine of Mississippi and Alabama. Amer. Midland Natur. 76(2):482-495, map. Ref. Oct. 1966. 410 M58
Pinus elliotii.
- 33191 MOORE, H. E. Palm hunting around the world. VI. New Caledonia and Fiji. Principles 10(4):114-130. Oct. 1966. 80 P932
- 33192 MORTON, J. K. A revision of the genus *Anelasma* R. Brown (Commelinaceae) with a cytotoxicological account of the West African species. Linn. Soc. London, J. Bot. 59(380):431-478. Ref. July 1966. 451 L643
- 33193 MULLIGAN, G. A. Two new species of *Physaria* (Cruciferae) in Colorado. Can. J. Bot. 44(12):1661-1665. Dec. 1966. 470 C16C
Physaria bellii and *P. rollinsii*.
- 33194 NILSSON, O. Studies in *Montia* L., *Claytonia* L., and allied genera. I. Correction and additions. Bot. Not. 119(3):469. 1966. 450 B656
- 33195 PUNT, W., and BOER, J. G. W. A palynological study in *Coccolpalmis*. Acta Bot. Neerl. 15(2):255-265. Sept. 1966. 450 Ac822
In relation to taxonomy.
- 33196 PUNT, W., and BOER, J. G. W. A palynological study in *Geonimoid palmis*. Acta Bot. Neerl. 15(2):266-275. Sept. 1966. 450 Ac822
In relation to taxonomy.
- 33197 READ, R. W. *Coccolpalmis jamaicensis*, the Jamaican silver thatch. Principles 10(4):133-141. Oct. 1966. 80 P932
- 33198 REKSODIHARDJO, W. S. A new species of *Durio* from Burma. Reinwardtia 7(2):215-217. Dec. 1965. 450 R272
Durio burmanicus.
- 33199 ROSTANSKI, K. Species of *Oenothera* genus in Hungary. (Ge) Acta Bot. 12(3/4):337-349. Ref. 1966. 450 Ac823
- 33200 SCORA, R. W., and TORRISI, S. Relation of taxonomic, climatic and tissue maturity factors to the essential oil constituents in leaves and fruits in the *Aurantioideae*. Amer. Soc. Hort. Sci. Proc. 88:262-271. 1966. 81 So12
Chemotaxonomic study.
- 33201 SHETLER, E. R. Selected guides to the wildflowers of North America. Washington, Smithsonian Institution, Department of Botany, 1966. 9 p. Z5358.N865
- 33202 SOO, R. The so-called *Orchis* species of the East Asian-North American flora. (Ge) Acta Bot. 12(3/4):351-353. Ref. 1966. 450 Ac823
- 33203 SYVAZEVA, O. A. Geography of the genus *Spiraecia* L. in the U.S.S.R. (Rus) Bot. Zhur. [Moscow] 51(10):1500-1506, map. Ref. Oct. 1966. 451 R923
- 33204 TUTAYUK, V. K. *proiskhozhdeniyu pokrytosemnykh rastenii i ob ikh predkovoi gruppe* [Origin of Angiospermae and their ancestors]. Baku, Izdatel'stvo Akademii Nauk Azerbaidzhanskoi SSR, 1965. 45 p. Ref. QK980.T8
- 33205 VAN SOEST, J. L. New *Taraxacum* species from Europe. I-IV. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 69(4):432-489. 1966. 442.9 Am8
Includes n. spp.
- 33206 VLIET, D. J. VAN. *Notocactus* and relations. (Du) Succulenta 45(11):167-170. (Cont.) Nov. 1966. 450 Su12

- 33207 VOO, E. E. VAN DER. A supplementary note on *Geranium phaeum* L. (Du) *Gorteria* 3(6): 89-90. Nov.1,1966. 450 G68
English summary.
- 33208 VOROSHILOV, V. N. Flora Sovetskogo Dal'nego Vostoka: konspekt s tabitsami dlya opredeleniya vidov [Flora of the Soviet Far East: a list with tables for identification of species]. Moskva, Nauka, 1966. 477 p. Ref. QK375.V6
Spermatophytes and Pteridophytes.
- 33209 VYAS, L. N. Cyperaceae from Alwar (eastern Rajasthan). *Indian Forest*, 92(9):581-582. Sept.1966. 99.8 In2
- 33210 WAALKES, J. VAN B. Malesian Malvaceae revised. *Blumea* 14(1):1-213, map. 1966. 450 B62
Includes n. spp. in *Hibiscus*, *Kosteletzkya*, and *Thespesia*.
- 33211 WEBER, W. A. Additions to the flora of Colorado. IV. *Colo. Univ. Stud. Ser. Biol.* 23, 24 p. Ref. Dec.1966. 442.9 C71
Spermatophyta.
- 33212 WUNDERLIN, R. P., and HOPKINS, W. E. A new form of *Houstonia missillia* from Illinois. *Ill. State Acad. Sci. Trans.* 59(4):386. 1966. 500 IL6
- 33213 WUNDERLIN, R. P. Some *Liatris* new to Illinois. *Ill. State Acad. Sci. Trans.* 59(4):387. 1966. 500 IL6
Liatris ligulistylis, *L. aspera*, and *L. spicata*.
- Pteridophytes
- 33214 BOIVIN, B. Notes on *Lycopodium* in Canada. (Fr) *Natur. Can.* 93(4):355-359. July/Aug. 1966. 410 N216
English summary.
- 33215 HOLTTUM, R. E. The genus *Arthropteris* J. Sm. in Malasia. *Blumea* 14(1):225-229. 1966. 450 B62
- 33216 JONES, G. N. An annotated bibliography of Mexican ferns. Urbana, University of Illinois Press, 1966. 297 p. Z5356.F4J6
- 33217 ROY, S. K., and MANTON, I. The cytological characteristics of the fern subfamily Lomariopsidoideae sensu Holttum. *Linn. Soc. London, J. Bot.* 59(379):343-347. Ref. Feb.1966. 451 L641
- 33218 SCHREMPF, H. An interesting fern hybrid. (Ge) *Kosmos* 62(2):88. Feb.1966. 474 K842
Asplenoceterarch badense, a hybrid of *Asplenium ruta-muraria* and *Ceterarch officinarum*.
- Bryophytes
- 33219 CHOPRA, R. N., and KANTA, V. Some mosses from Delhi, India. *Bryologist* 69(4):509-510. Winter 1966. 450 B84
- 33220 DUDA, J., and VANA, J. Additional contribution to the study of mosses in the environs of Stramberk and Novy Jicin. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 14(2):109-110. 1965. 510 T75
German summary.
Taxonomy and ecology.
- 33221 DUDA, J. Hepaticae in collections of Czechoslovak museums. V. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 15(2):163-169. 1966. 510 T75
German summary.
- 33222 FULFORD, M. Recent literature on mosses. 72. *Bryologist* 69(4):513-515. Winter 1966. 450 B84
- 33223 HATTORI, S., and others. The systematic position and distribution of *Trebulia nana*. *Bryologist* 69(4):488-492, map. Ref. Winter 1966. 450 B84
A. J. Sharp, M. Mizutani, and Z. Iwatsuki, joint authors.
Transferred to *Apotreubia* n. g.
- 33224 HONG, W. S. The leafy Hepaticae of South Korea and their phylogeographic relationships, especially to the flora of North America. *Bryologist* 69(4):393-426, map. Ref. Winter 1966. 450 B84
- LAMPTON, R. K. *Merceya ligulata* in Georgia. *Bryologist* 69(4):511. Winter 1966. 450 B84
- 33225 MCDANIEL, S. *Hedwigia ciliata* in the coastal plain of Alabama. *Bryologist* 69(4):512. Winter 1966. 450 B84
- 33226 PURSELL, R. A., and REESE, W. D. Moss records from eastern Mexico. II. *Bryologist* 69(4):502-503. Winter 1966. 450 B84
- 33227 PURSELL, R. A. Two new species of *Fissidens* from eastern Mexico. *Bryologist* 69(4):493-497. Winter 1966. 450 B84
Fissidens veracruzensis n. sp. and *F. obscuricostatus* n. sp.
- 33228 REDFEARN, O. P. Bryophytes of the interior highlands of North America. XI. Additions to the flora. *Bryologist* 69(4):504-508. Winter 1966. 450 B84
- 33229 RIVOIA, M. Hepaticae of the Zdzansky les. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 15(1):45-46. 1966. 510 T75
German summary.
- 33230 SONESSON, M. On *Drepanocladus trichophyllus* in the Tornetrask area. *Bot. Not.* 119(3):379-400. Ref. 1966. 450 B656
- 33231 VANA, J., and DUDA, J. A contribution to the study of Bryophyta of Bulgaria and Yugoslavia. (Ge) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 14(2):137-139. 1965. 510 T75
Taxonomy.
- 33232 VANA, J., and DUDA, J. Revision of Bryophyta published in the work of V. Krajiny of 1933. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 14(2):171-175. 1965. 510 T75
German summary.
- Algae
- 33233 BORAIAH, G. A note on the cytotoxicity of *Chlorophytum laxum* R.Br. *Cur. Sci.* 35(12):314-315. June 20,1966. 475 Sc123
Includes chromosome numbers.
- 33234 ROUND, F. E. The biology of the algae. London, Arnold, 1965. 269 p. QK565.R6
Bibliography, p.243-253.
- 33235 VOZZHINSKAYA, V. B. Distribution and ecology of *Laminaria gurganovae* A. Zin. (Rus) *Bot. Zhur.* [Moscow] 51(11):1652-1653, map. Nov.1966. 451 R923
- Fungi (Including Lichens)
- 33236 AMOS, R. E., and BARNETT, H. L. *Umbelopsis versiformis*, a new genus and species of the imperfects. *Mycologia* 58(5):805-808. Sept./Oct.1966. 450 M99
- 33237 BARR, M. E. Observations on *Urospora*. *Mycologia* 58(5):690-693. Sept./Oct.1966. 450 M99
Taxonomic study.
- 33238 BATISTA, A. C., BEZERRA, J. L., and CASTRILLON, A. L. *Conostoma* n. g., *Dicranochaetina* n. g., and other Deuteromycetes of interest. (It) *Riv. Patol. Veg. (ser.4)* 1(1/2):41-50. Jan./June 1965. 464.8 R52
English summary.
In Brazil.
- 33239 BATISTA, A. C., BEZERRA, J. L., and PERES, G. E. P. *Vonarxella* and other new Ascomycetes. (It) *Riv. Patol. Vet. (ser.4)* 1(1/2):61-69. Jan./June 1965. 464.8 R52
English summary.
Includes n. spp. in *Vonarxella*, *Eudimeriolum*, *Phaeodimeriella*, and *Stigmochora*.
- 33240 BERTHET, P., and BERTHIER, J. An African *Clavariaceae* of interest, *Hormotaria eburnea* n. sp. (Fr) *Rev. Mycol.* 31(2):160-166. Sept.1966. 450 An74
- 33241 BHATTNAGAR, M. K., and KOTHARI, K. L. *Ucinula udaipurensis* sp. nov. on *Cordia alligator* Willd. var. *wallichii* (G. Don) Clarke. *Cur. Sci.* 35(16):417. Aug.20,1966. 475 Sc123
Causing powdery mildew.

- 33243 CULBERSON, W. L. Chemistry and taxonomy of the lichen genera *Heterodermia* and *Anaptychia* in the Carolinas. *Bryologist* 69(4):472-487, map. Winter 1966. 450 B84
- 33244 CULBERSON, W. L. Recent literature on lichens. 60. *Bryologist* 69(4):516-521. Winter 1966. 450 B84
- 33245 DURRELL, L. W., and FLEMING, M. A new species of *Thamnidium* from Death Valley, California. *Mycologia* 58(5):797-801. Sept./Oct. 1966. 450 M99
Thamnidium ctenidium.
- 33246 HAWKER, L. E. Fungi: an introduction. London, 1966. 216 p. Ref. QK603.H3
- 33247 HEIM, R. Breves diagnoses latine novitatum genericarum specificarumque nuper descriptarum. II. *Rev. Mycol.* 31(2):150-159. (Cont.) Sept. 1966. 450 An74
Text also in French.
Includes n. spp. in *Phaeomyces*, *Phlebomyces*, *Morchella*, *Scleroderma* and *Endogonopsis* n. g.
- 33249 HESSELTINE, C. W., and ELLIS, J. J. Species of *Absidia* with ovoid sporangiospores. I. *Mycologia* 58(5):761-785. Ref. Sept./Oct. 1966. 450 M99
Includes n. sp. in *Chlamydoabsidia* n. g. and *Absidia zychae* n. sp.
- 33249 HUGHES, S. J. New Zealand fungi. I. Capnocybe and Capnophialophora, new form genera of sooty moulds. *New Zeal. J. Bot.* 4(3):333-353. Sept. 1966. 450 N48
Includes n. sp. in *Limacinia*.
- 33250 KALANI, I. K. *Discosia poonensis* sp. nov., from India. *Cur. Sci.* 35(16):416-417. Aug. 20, 1966. 475 Sci23
Parasitizing *Cassia nodosa*.
- 33251 KENDRICK, W. B., and WERESUB, L. K. Attempting neo-adansonian computer taxonomy at the ordinal level in the Basidiomycetes. *Syst. Zool.* 15(4):307-329. Ref. Dec. 1966. 410 Sy8
- 33252 KENDRICK, W. B., and BHATT, G. C. *Trichocladium opacum*. *Can. J. Bot.* 44(12):1728-1730. Dec. 1966. 470 C16C
Taxonomy.
- 33253 KORBONSKAYA, YA. I. The mycological flora of juniper forests of the central part of the Turkestan Mountain Range. 24 p. (TT 65-50124) Transl. 16278
Translation from Akademiya Nauk Tadzhikskoi SSR, Botanicheskii Institut. *Trudy* 73:233-257. 1958.
CFSTI: \$1.00.
- 33254 KOWALSKI, D. T. A new species of *Lamproderma* from California. *Mycologia* 58(5):808-810. Sept./Oct. 1966. 450 M99
Lamproderma fusiforme.
- 33255 LAUNDON, G. F., and PONNAPPA, K. M. A new species of *Uredo* on *Hygropila*. *Cur. Sci.* 35(19):492-493. Oct. 5, 1966. 475 Sci23
Uredo hygrophilicola.
- 33256 LELAVATHY, K. M. *Emerickiopsis symmeticala* var. *magnus* var. nov. *Cur. Sci.* 35(18):470-471. Sept. 20, 1966. 475 Sci23
- 33257 LIBERTA, A. E. Notes on Colorado resupinate Basidiomycetes. III. *State Acad. Sci. Trans.* 59(4):392-393. 1966. 500 IL6
- 33258 MEHROTRA, B. S., and BHATTACHARJEE, M. A new variety of *Thielavia specedonium* Emmons. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):389-392. 1966. 448.8 N28A
- 33259 NEGRU, A., and POPESCU, I. Some recent mycological discoveries in the Babadag forests of Rumania. *Mycologia* 58(5):812-814. Sept./Oct. 1966. 450 M99
Includes *Phyllachora stewartii*, *Coniothyrium shoemakeri*, and *Dothiorella berengeriana* n. spp.
- 33260 O'BRIEN, R. W., and RALPH, B. J. The cell wall composition and taxonomy of some Basidiomycetes and Ascomycetes. *Ann. Bot. (n.s.)* 30(120):831-843. Ref. Oct. 1966. 450 An7
- 33261 RONDON, Y., and VEZDA, A. A note on the Mediterranean lichen *Pertusaria mammosa* Harm. (Fr) Cas. Slezkeho Muz., Ser. A, Sci. Natur. 14(2):161-162. 1965. 510 T75
- 33262 SANCHEZ, A., and KORF, R. P. The genus *Vibrissia*, and the generic names *Leptosporium*, *Apotemium*, *Apotemidium*, *Gorgoniceps* and *Ophiogloea*. *Mycologia* 58(5):722-737. Ref. Sept./Oct. 1966. 450 M99
- 33263 SCHNEIDER, R., and GERLACH, W. *Pyrenochaeta lycopersici* n. sp. as the cause of corky root of tomatoes. (Ge) *Phytopathol. Z.* 56(2):117-122. June 1966. 464.8 P562
English summary.
- 33264 SCOTTER, G. W., and THOMSON, J. W. Lichens of the Thelon River and Kaministiquia Lake regions, Northwest Territories. *Bryologist* 69(4):497-502. Ref. Winter 1966. 450 B84
Canada.
- 33265 SEHGAL, S. P., and DAFTARI, L. N. A new leaf-spot disease of *Sesamum* [orientale]. *Cur. Sci.* 35(16):416. Aug. 20, 1966. 475 Sci23
Caused by *Sphaeronema sesami* n. sp.
- 33266 STATES, J. S., and CHRISTENSEN, M. *Aspergillus leporis*, a new species related to *A. flavus*. *Mycologia* 58(5):738-742. Sept./Oct. 1966. 450 M99
- 33267 STOLK, A. C., and DAKIN, J. C. *Moniliella*, a new genus of Moniliales. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):399-409. 1966. 448.8 N28A
- 33268 SUBRAMANIAN, C. V., and NAIR, N. G. *Panichanania* and *Paragommatula*, two new genera of the Hyphomycetes. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):381-386. 1966. 448.8 N28A
- 33269 SUTTON, B. C., and SELLAR, P. W. *Toxosporiopsis* n. gen., an unusual member of the Melanconiales. *Can. J. Bot.* 44(11):1505-1513. Ref. Nov. 1966. 470 C16C
- 33270 TORNABENE, F. A., and DAVIS, J. S. *Lophotrichus brevirostratus*, a fungal species new to Illinois. III. *State Acad. Sci. Trans.* 59(4):395. 1966. 500 IL6
- 33271 VESELSKY, J. Mycofloristic finds in peat bogs of the village Skaly near Rymarow. (Cz) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 15(2):143-153, map. Ref. 1966. 510 T75
German summary.
Taxonomy and ecology.
- 33272 VEZDA, A. Lichens from the Northwestern Mongolia. (Ge) *Cas. Slezkeho Muz., Ser. A, Sci. Natur.* 14(2):187-190. 1965. 510 T75
- 33273 WICKERHAM, L. J. Validation of the species *Pichia guilliermondii*. *J. Bacteriol.* 92(4):1269. Oct. 1966. 448.3 J82
- 33274 YARRANTON, G. A., and GREEN, W. G. E. The distributional pattern of crustose lichens on limestone cliffs at Rattlesnake Point, Ontario. *Bryologist* 69(4):450-461. Ref. Winter 1966. 450 B84
- 33275 YEN, J. M. Parasitic fungi of southeastern Asia. IV. Third note on some new species of *Cercospora* from Singapore. (Fr) *Rev. Mycol.* 31(2):109-149. Ref. Sept. 1966. 450 An74

WEEDS AND POISONOUS PLANTS

- 33276 HOCKING, D. *Cuscuta* [cassytoides] parasitic on hardwood seedlings. *Plant Dis. Rep.* 50(8):593-594. Aug. 1966. 1.9 P69P
Tanzania.

Weeds - Biology

- 33277 BHARGAVA, K. S., JOSHI, R. D., and KAMAL. Occurrence of *Cephauros* in Gorakhpur. *Indian Forest.* 92(9):589-590. Sept. 1966. 99.8 In2
Parasitic on forest trees.
- 33278 COOK, C. E., and others. Germination of witchweed (*Striga lutea* Lour.): isolation and properties of a potent stimulant. *Science* 154 (3753):1189-1190. Ref. Dec. 2, 1966. 470 Sc12
L. P. Whitchard, B. Turner, M. E. Wall, and G. H. Egley, joint authors.

- 33279 FLOYD, A. G. Effect of fire upon weed seeds in the wet sclerophyll forests of northern New South Wales. Australian J. Bot. 14(2):243-256. July 1966. 450 A472
Study of germination and growth of *Acacia*, *Dodonaea* and *Kennedia*.
33280 GAJIC, D. Interaction of wheat and corn cockle (*Agrostemma githago*) on Brown and Smonitza soils. (Se) Arh. Poljoprivredne Nauk. 19(66): 63-96. Ref. 1966. 21.5 Y9
English summary.
33281 KOTT, K. A. Some new facts relating to the biology of cornflower weed *Centaurea phrygia* L. (Rus) Bot. Zhur. [Moscow] 51(10):1521-1522. Oct. 1966. 451 R923
33282 KROPAC, Z. Estimation of weed seeds in arable soil. Pedobiologia 6(2):105-128. Ref. 1966. 56.8 P343
Includes viability.
33283 KUHN, F. Field weeds of the Osoblah region. I. General characteristics. (Cz) Cas. Sleskeho Muz., Ser. A, Sci. Natur. 14(2):99-107. 1965. 510 T75
German summary.
33284 WILLIAMS, M. C., and CRONIN, E. H. Five poisonous range weeds: when and why they are dangerous. J. Range Manage. 19(5):274-279. Ref. Sept. 1966. 60.18 J82
Chiefly study of toxic alkaloids in *Halogeton glomeratus*, *Delphinium* spp., and *Veratrum californicum*.
Weed Control
33285 GHOSH, A. K. Advances in weed control help soil conservation. J. Soil Water Conserv. India 14(1/2):20-21. Jan./June 1966. 56.8 J824
33286 NEURURER, H. Control of weeds of mountain pastures. (Ge) Pflanzenarzt 19(2): 17-19. Feb. 1, 1966. 464.9 P482
33287 NEURURER, H. *Sisymbrium sophia*, chief weed of cereals in 1964. (Ge) Pflanzenarzt 18 (12):126-127. Dec. 1, 1965. 464.9 P482
Weed Control - Chemical
33288 ABERG, B., and JOHANSSON, I. On the mechanism of action of dalapon. Uppsala. Lantbrukshogsk. Ann. 32(3):245-254. Ref. 1966. 104 U66
Effects on plant growth.
33289 ALDHOUS, J. R. Bracken control using dicamba. Great Brit. Forest Comm. Rep. Forest Res. 1965:150-153. 1966. 99.9 G795Re
33290 ALDHOUS, J. R. The effect of paraquat, 2,6-dichlorothiobenzamide and 4-amino-3,5,6-trichloropicolinic acid ("Tordon") on species planted in the forest. Great Brit. Forest. Comm. Rep. Forest Res. 1965:141-149. 1966. 99.9 G795Re
33291 ALDHOUS, J. R. Paraquat as a pre-emergence spray for conifer seedbeds. Great Brit. Forest. Comm. Rep. Forest Res. 1965:133-140. 1966. 99.9 G795Re
33292 BARTH, A., and SCHWENK, P. On amino acid-phenylazo-phenyl derivatives. V. The phytotoxic properties of L-alanine-4-(phenylazo)-phenylamide, a contribution to the study of the working method of herbicides with amide structure. (Ge) J. Prakt. Chem. (ser. 4/3) 4:130-139. July 1966. 384 J82
33293 BEMBRIDGE, T. J. Eradication of thorn trees. Rhodesia Agr. J. 63(4):86-88. July/Aug. 1966. 24 R34
Control of *Acacia* and other scrub trees with 2,4,5-T in oil and diesel fuel.
33294 BIHARI, F. The sunflower and Merkazin. (Hu) Magyar Mezogazdasag 21(49):14-15. Dec. 7, 1966. 19 M27
Weed control.
33295 BOVEY, R. W., MCCARTY, M. K., and DAVIS, F. S. Control of perennial ragweed [Ambrosia] on western Nebraska rangeland. J. Range Manage. 19(4):220-222. July 1966. 60.18 J82
With 2,4-D and 2,4,5-T.
33296 BOVEY, R. W., and MCCARTY, M. K. Establishment of firebreaks on forest and rangeland with herbicides. J. Range Manage. 18(5):282-283. Sept. 1965. 60.18 J82
33297 BOZIC, D. Application of agricultural practices and simazine in the culture of corn. (Se) Agrohemia 5/6:161-171. Ref. 1966. 385 Ag87
English summary.
33298 BURT, E. O. Tolerance of warmseason turf grasses to herbicides. Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 66-1, 10 p. Aug. 1966. 80 F6644
33299 CASSIDY, D. V. Vegetation control on California highways. Agrichem. West 9(12):5-6. Dec. 1966. 381 Ag65
Chemical control.
33300 CHORBADZHISKA, B. Study on storing qualities of the herbicides NATA (trichloroacetic acid) and 2,4-D. (Bu) Rasteniyeudni Nauk. 3 (4):107-110. 1966. 64.8 R18
English summary.
33301 COOK, C. W. Herbicide control of rabbitbrush and sagebrush in mixed stands. Utah Farm Home Sci. 27(1):9-10, 23. Mar. 1966. 100 U11F
Chrysothamnus viscidiflorus, C. nauseosus, and Artemisia on ranges.
33302 CROSBY, D. G., and TUTASS, H. O. Photodecomposition of 2,4-dichlorophenoxyacetic acid. J. Agr. Food Chem. 14(6):596-599. Ref. Nov./Dec. 1966. 381 J8223
33303 EVERETT, C. F. Dicamba for weed control in blueberries. Maine. Agr. Exp. Sta. Misc. Rep. 118:48-50. 1966. 100 M28M
Canada.
33304 GALE, A. F., and ALLEY, H. P. Weed control and proper use of chemicals: 4-H manual, Wyoming, Units I, II, III. Wyo. Univ. Ext. [4-H Club. Circ.] W-5-66, 24 p. Ref. 1966. 275.29 W99Fc
33305 GATES, D. H. Cooperative range management in Oregon: sagebrush control. J. Range Manage. 19(5):307-308. Sept. 1966. 60.18 J82
Chemical.
33306 GEORGE, K. Selective control of *Loranthus* on teak. Cur. Sci. 35(17):444. Sept. 5, 1966. 475 Sc123
Tectona grandis.
33307 GODT, H. C., HAMM, P. C., and WANN, R. E. Synthesis and herbicidal properties of some new substituted 2-(m-tolyl)-acetamides and related compounds. J. Agr. Food Chem. 14(6): 602-604. Ref. Nov./Dec. 1966. 381 J8223
N,N-dimethyl-2-(m-tolyl)acetamide.
33308 GOLAB, T., and others. Herbicide metabolism: the metabolism of carbon-14 diphenamid in strawberry plants. J. Agr. Food Chem. 14(6): 592-596. Ref. Nov./Dec. 1966. 381 J8223
R. J. Eierberg, S. J. Parka, and J. B. Tepe, joint authors.
33309 GRAMBELL, C. E., RHODES, W. H., and SUBER, R. D. The influence of 14 residual and contact herbicides at varying rates on weed control and growth of young peach trees. S. C. Agr. Exp. Sta. Res. Ser. 63, 9 p. 1965. 5B21.S6
33310 GRONSTROM, B. Chemicals for weed control in Swedish crops. Agr. Vet. Chem. 7(4):81-84. July/Aug. 1966. 382 Ag82
33311 HAMILTON, M. G. Herbicidal studies with watermelons and cantaloupes during 1965. S. C. Agr. Exp. Sta. Res. Ser. 79, 13 p. Dec. 1965. 5B21.S6
33312 HARRISON, D. S., and others. Aquatic weed control. Fla. Univ. Ext. Circ. 219B, 16 p. Aug. 1966. 275.29 F66C
R. D. Blackburn, L. W. Weldon, J. R. Orsenigo, and G. F. Ryan, joint authors.
Chemical control.
33313 HEYWOOD, B. J. Hydroxybenzonitrile herbicides. Chem. Indus. 47:1946-1952. Ref. Nov. 19, 1966. 382 M31C
Chemistry.
33314 JEVTOVIC, T., VUJANIC, N., and JANKOVIC, S. Results of the application of herbicides in the industrial production of peas. (Se) Agrohemia 5/6:214-218. 1966. 385 Ag87
English summary.
33315 JOHNSON, P. R. Texas bullnettle [Cnidioscolus texanus] and its control. Tex. Agr. Exp. Sta. B-1052, 11 p. June 1966. 100 T31S
Chiefly chemical control.
33316 JONGKIND, M. Chemical control of weeds in lilacs and Forsythia. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:129-120. 86 Aa4
33317 JONGKIND, M. Chemical control of weeds in roses. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:109-111. 86 Aa4
33318 JONGKIND, M. Chemical control of weeds in violets. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:114. 86 Aa4

- 33319 JOVICEVIC, B. Possibilities of the use of herbicides in the weed control of mountain pastures of Sara and Prokletija mountains. (Se) *Agrohemijska* 3/4:113-117. 1966. 387 Ag87 English summary.
- 33320 KERR, J. A. M., and BAILIE, J. H. A note on the use of paraquat as a selective herbicide for grassland. *Northern Ireland Rec. Agr. Res.* 14(2):1-7. 1965. 10 N81R
- 33321 KESNER, C. D., and RIES, S. K. Diphenamid metabolism in plants. *Science* 155(3759):210-211. Jan. 13, 1967. 470 Sci2 In tomato and barnyardgrass.
- 33322 KOPTELOVA, R. G. TCA in control of Agropyron. (Rus) *Len Konoplya* 11:30-31. 1966. 73.8 L542 Flax.
- 33323 LEE, G. A., and ALLEY, H. P. Weed control in lawns. *Wyo. Univ. Ext. Sta. Bull.* 452, 23 p. Apr. 1966. 100 W99 Chemical control.
- 33324 LEIDERMAN, L., SANTOS, C. A. L. DOS, and SILVEIRA, R. I. Application of the herbicide Treflan on peanuts grown in sandy and clayey soils. (Por) *Biologico* 31(12):279-283. Dec. 1965. 442.8 B529 English summary.
- 33325 MAEJIMA, Y. Mapica, a low fish toxicity herbicide. *Jap. Chem. Quart.* 2(2):59. Apr. 1966. HD9657.J3J3 With active ingredient 2-methyl-4-chlorophenoxyaceto-v-chloroanilide.
- 33326 MAY, J. W., and HEPWORTH, H. M. New chemical for control of bluebell, black medic, and yarrow in bluegrass turf. *Colo. Agr. Exp. Sta. Pam.* 7-S, 3 p. June 1966. 100 C712 P Control with Banvel-D (2-methoxy-3,6-dichlorobenzoic acid).
- 33327 MELLENTHIN, W. M., CRABTREE, G., and RAUCH, F. D. Effects of herbicides and weed competition on growth of orchard trees. *Amer. Soc. Hort. Sci. Proc.* 88:121-126. Ref. 1966. 81 Sol2
- 33328 MLADENOVIC, L. Tests with herbicides in the weed control of corn stands. (Se) *Agrohemijska* 3/4:95-99. 1966. 385 Ag87
- 33329 MLADENOVIC, L. Use of herbicides in the weed control of sugar beet stands. (Se) *Agrohemijska* 3/4:109-112. 1966. 385 Ag87
- 33330 MLADENOVIC, L. Weed control in soybean stands with the herbicide A-1404. (Se) *Agrohemijska* 5/6:205-208. 1966. 385 Ag87 English summary.
- 33331 NEURURER, H. Horseradish as weed on field crops. (Ge) *Pflanzenarzt* 18(12):128-129. Dec. 1, 1965. 464.9 P482 *Armoracia lapathifolia*; includes chemical control.
- 33332 OGLE, W. L. A progress report on herbicide studies conducted with certain vegetables in 1964. *S. C. Agr. Exp. Sta. Res. Ser.* 61, 7 p. Jan. 1965. SB21.58 Sweetpotatoes, tomatoes, and Southern peas.
- 33333 OGLE, W. L., and others. A progress report on herbicide studies conducted with vegetable crops in 1965. *S. C. Agr. Exp. Sta. Res. Ser.* 78, 26 p. Dec. 1965. SB21.56 C. E. Gambrell, L. Waters, and M. G. Fleming, joint authors.
- 33334 ORSENIGO, J. R. Sugarcane herbicides for the Florida everglades. *Fla. Everglades Exp. Sta. Mimeo Rep.* EES 67-3, 8 p. Sept. 1966. 100 F663 Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 33335 OVERTON, J. R., and ANDREWS, H. Controlling cocklebur in soybeans, (effects) with 2,4-DB. *Tenn. Farm Home Sci. Progr. Rep.* 59:14-16. July/Sept. 1966. 100 T25F
- 33336 PANDE, R. C. Common weeds and their control measures. *J. Soil Water Conserv. India* 14(1/2):39-49. Ref. Jan./June 1966. 56.8 J824 Chemical control.
- 33337 RATTZEN, B. Concerning wild oats. (Sw) *Kristianstads Lans Hushallingsallsk. Tidskr.* 1:45-46. May 1966. 11 K89 Chemical control.
- 33338 RAUCH, F. D., CRABTREE, G., and FREED, V. H. The differential response of *Ligustrum ovalifolium* and *Pyracantha* spp. to simazine. *Amer. Soc. Hort. Sci. Proc.* 88:678-683. 1966. 81 Sol2
- 33339 RICKETSON, C. L. Effects of frequency and time of herbicide applications on growth and yield of strawberries. *Ontario. Hort. Exp. Sta. Rep.* 1965:6-13. 1966. 101 On823
- 33340 ROCHECOUSTE, E. Factors affecting herbicide usage in sugar cane with special reference to soil applied herbicides. *Sugar News* 42(9):502,504,506. Sept. 1966. 65.8 Su36
- 33341 RUMINSKA, A. Some results and problems in herbicide application in drug and aromatic plant culture. (Ge) *Herba Hung.* 5(2/3):172-177. 1966. 71.8 H413 Poland.
- 33342 RYAN, G. F., and DAVIS, R. M. Guide for use of herbicides in Florida citrus. *Fla. Univ. Ext. Circ.* 303, 12 p.-folder. June 1966. 275.29 F66C
- 33343 SANDHU, S. S., and GREIG, J. K. Effects of herbicides on asparagus and weeds, and residues retained in the soil. *Amer. Soc. Hort. Sci. Proc.* 88:372-377. 1966. 81 Sol2
- 33344 SEGARCEANU, O., and others. Chemical control of weeds in oil and fiber plant stands. (Rum) *Probl. Agr. [Bucharest]* 18(10):43-54. Ref. Oct. 1966. 21 R862 D. Scurtu, O. Bunescu, and S. Rusu, joint authors. English summary.
- 33345 SEKERKA, V. Study of the effect of herbicides on the intensity of excretion by the roots of plants. (Cz) *Biologia [Bratislava]* 21(9):654-662. Ref. 1966. 442.8 B5265 German summary.
- 33346 SHORTER, N. H. Mid to late November sprays with residual herbicides give control of summer weeds around apple trees, West. Australia. *Dep. Agr. J. (ser.4)* 7(10):490-491. Oct. 1966. 23 W52J
- 33347 STRYCKERS, J. Situation of herbicide application in nurseries. (Fl) *Landbouwserv* 1:11, 12, 14, 16-19. Jan./Feb. 1966. 13 L234
- 33348 SVAB, MRS. J., and FOLDESI, D. Chemical weed control of Vinca minor L. (Hu) *Herba Hung.* 5(2/3):254-267. 1966. 71.8 H413 German summary.
- 33349 SVAB, J., and FOLDESI, D. Possibilities of chemical weed control in drug and aromatic plants in Hungary. (Ge) *Herba Hung.* 5(2/3):194-197. 1966. 71.8 H413
- 33350 TREVETT, M. F. Weed control in lowbush blueberry fields. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:50-51. 1966. 100 M28M Chemical control in Maine.
- 33351 WYOMING UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Weed control and proper use of chemicals. Units I, II, III, 4-H record book. *Wyo. Univ. Ext. [4-H Club. Circ.] WC-5a-66*, 12 p. Sept. 1966. 275.29 W99Fc
- 33352 ZAHN, H. Experiments in chemical weed control of poppy. (Ge) *Herba Hung.* 5(2/3):190-193. 1966. 71.8 H413 With 2,4-D, MCPA and MCPB.

Weed Control - Cultural, Biological

- 33353 PETERS, E. J., STRITZKE, J. F., and DAVIS, F. S. Wild garlic [*Allium vineale*], its characteristics and control. U. S. D. A. Agr. Handbook 293, 23 p. Ref. Dec. 1965. 1 Ag844H Missouri Agricultural Experiment Station, cooperating. Cultural and chemical control.

SOILS AND FERTILIZERS

SOIL SCIENCE

- 33351 GERASIMOV, I. P., and GLAZOVSKAYA, M. A. Fundamentals of soil science and soil geography. 382 p. Ref. (TT 65-50061) \$591.643
Translation of Osnovy Pochvovedeniya i Geografiya Pochv.
CFSTI: \$7.00.
- 33355 SMULKOWSKI, K. The situation and lines of development of the earth sciences in the Polish Academy of Sciences. Rev. Pol. Acad. Sci. 11 (3):1-15. July/Sept. 1966. 475 R325

Soil Physics

- 33356 BHAGAT, D. T., and TAMBOLI, P. M. Effect of some agricultural implements on physical, chemical and biological properties of a soil of Jabalpur, Indian Soc. Soil Sci. J. 14(2):77-83. June 1966. 56.9 In2
- 33357 BRACH, E. J., and MACK, A. R. Measurement of moisture content with ultrasonic energy. J. Agr. Eng. Res. 11(3):222-223. Sept. 1966. 56.8 J82
In relation to soils.
- 33359 BREWER, R. Soil fabric. Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep. 6:43-45. 1965. 56.9 Un32
Includes discussion.
- 33359 CLINE, R. A. Comparison of three methods of measuring available soil moisture. Ontario. Hort. Exp. Sta. Rep. 1965:35-39. 1966. 101 On823
- 33360 EDWARDS, G. H. A. Soil structure. Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep. 6:56-57. 1965. 56.9 Un32
Includes discussion.
- 33361 GARDNER, H. R., and HANKS, R. J. Effect of sample size and environmental conditions on evaporation of water from soil. U. S. Agr. Res. Serv. Conserv. Res. Rep. 9,14 p. Nov. 1966. A279.9 Ag8
Colorado Agricultural Experiment Station, cooperating.
- 33362 HERMSMEIER, L. F. Hydraulic conductivity and other physical characteristics of some "wet" soils in southwestern Minnesota. U. S. Agr. Res. Serv. ARS-41-127,17 p. Nov. 1966. A56.9 R31
U. S. Soil Conservation Service and Minnesota Agricultural Experiment Station, cooperating.
- 33363 HOLMES, J. W. Influence of bulk density of the soil on neutron moisture meter calibration. Soil Sci. 102(6):355-360. Dec. 1966. 56.8 So3
- 33364 IOFFE, A. F., and REVUT, I. B., ed. Fundamentals of agrophysics. 726 p. Ref. (TT 65-50079) \$589.155
Translation of Osnovy Agrofiziki.
CFSTI: \$10.44.
- 33365 KOZHANOV, K. YA. Evaporation from vegetation and from the free surface of peat soil. 11 p. Ref. (TT 66-51077) Transl. 16276
Translation from Meteorologiya i Gidrologiya 6:113-122. 1958.
CFSTI: \$1.00.
- 33365 NAKAYAMA, F. S. Deflocculation of soil materials by sodium salts. Soil Sci. 102(6):388-393. Ref. Dec. 1966. 56.8 So3
- 33367 NUCKOLLS, M. J., and FULLER, R. K. Sieve analysis of particles smaller than 44 microns in diameter. Soil Sci. 102(5):292-295. Nov. 1966. 56.8 So3
- 33369 PROKOPOVICH, N. P. Ecologic sampler for soil sediments. Ecology 47(5):856-858. Late Summer, 1966. 410 Ec7
- 33369 RESULOVIC, H. A contribution to the study of the firmness index of aggregates of some soil types. (Se) Agrohemiya 3/4:118-129. Ref. 1966. 385 Ag87
English summary.

- 33370 RIDDLE, A. M. H., and THOMAS, A. E. A power driven thin walled core sampler. Agr. Gaz. New S. Wales 77(10):627-632. Oct. 1966. 23 N472
Soil sampling.
- 33371 SRIVASTAVA, R. C., and ABRCL, I. P. Non-linear thermodynamics of irreversible processes and flow of water through soils. Soil Sci. 102(6):416-417. Dec. 1966. 56.8 So3
- 33372 TAYLOR, S. A. Inexpensive methods for measuring soil moisture. Utah Farm Home Sci. 27(3):98-103. Sept. 1966. 100 U1F
Equipment.
- 33373 VANGELOV, A. Predominant types of water regimes in southern Bulgaria. (Rus) Pochvo-vedenie 11:107-114. Nov. 1966. 57.8 P34
- 33374 WILLATT, S. T., and COKER, D. T. A circuit for integration of temperature duration greater than present values. Nature [London] 211 (5055):1325-1326. Sept. 17, 1966. 472 N21
Measurement of soil temperatures.
- 33375 YOUNG, C. E. Soil sampling small wetland forest plots in the coastal plain. U. S. Forest Serv. Res. Note SE-59, 2 p. June 1966. A99.9 F7623Un
South Carolina.
- 33376 ZIVKOVIC, M. Properties of humus-silica soils of Serbia formed on various geological substrata. (Se) Arh. Poljoprivredne Nauk. 19 (66):97-122. Ref. 1966. 21.5 Y9
German summary.
Physical, chemical and biological.
- 33377 ZUR, B. Osmotic control of the matric soil-water potential. I. Soil-water system. Soil Sci. 102(6):394-398. Dec. 1966. 56.8 So3

Soil Chemistry and Mineralogy

- 33379 ALSTON, A. M., and MCCONAGHY, S. The EDTA-extractable copper and zinc contents of soils in Northern Ireland. Northern Ireland. Res. Agr. Res. 14(1):49-59. Ref. 1965. 10 N81R
- 33379 ARNOLD, P. W. The behaviour of layer silicates in soils and sediments. Chem. Indus. 48: 2003-2006. Ref. Nov. 26, 1966. 382 M31C
- 33380 BASU, A. N., and MUKHERJEE, S. K. Interaction between montmorillonite clay and trace element cations. III. Fixation and release of cations from their respective clay salts. Indian Soc. Soil Sci. J. 14(2):91-95. Ref. June 1966. 56.9 In2
- 33381 BLACK, J. D. F., and BUCHANAN, A. S. Polarographic reduction of oxygen at a platinum surface in relation to the measurement of oxygen flux in soils. Australian J. Chem. 19(11): 2169-2174. Nov. 1966. 475 Au73
- 33382 BLASCO, M. L., and CORNFIELD, A. H. Volatilization of nitrogen as ammonia from acid soils. Nature 212(5067):1279-1280. Dec. 10, 1966. 472 N21
- 33383 BORISOVA, N. I., and ZERTSALOV, V. V. Loss of fertilizer nitrogen in the form of molecular nitrogen and nitrous oxide. (Rus) Agrokhiymiya 1:13-19. Ref. Jan. 1966. 385 Ag89
Radioactive nitrogen and chromatography used.
- 33384 CARPINTERO GIGOSOS, M. C. Chemical study of the pastures of Leon (soil fertility and the mineral composition of the grass). (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):221-308. map. Ref. 1965. 41.9 Ov4
English summary.
- 33385 CROOCKEWEIT, J. H. Soil testing in 1965. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:130-132. 86 Aa4
- 33386 DATER, J. Automated soil analysis. Agr. Chem. 21(12):29-30. Dec. 1966. 381 Ag8

- 33387 DATTA, N. P., KHERA, M. S., and SAINI, T. R. Rapid turbidimetric determination of potassium. *Indian Soc. Soil Sci. J.* 14(2):111-117. June 1966. 56.9 In2
- 33389 GEERING, H. R., and HODGSON, J. F. Determination of trace levels of copper in soil solutions with 1,5-diphenylcarbazone. *Ass. Offic. Anal. Chem. J.* 49(5):1057-1060. Ref. Oct. 1966. 381 As7
- 33389 JONES, E. Routine chemical methods of assessing soil nutrient status. *Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep.* 6:20-28. Ref. 1965. 56.9 Un32
Includes discussion.
- 33390 JUSTE, C. Contribution to the study of the aluminum dynamics in the acid soils of the Atlantic South-west: application to their reclamation. (*Fr.*) *Ann. Agron.* 17(3):251-341. 1966. 14 F8499
Bibliography, p.337-341.
- 33391 KEE, N. S. The potassium status of some Malaysian soils. *Malaysian Agr. J.* 45(2):143-161. Ref. July 1965. 22.5 F312
- 33392 KOVALSKII, V. V., MURSALEEV, A., and GRIBOVSKAYA, I. F. Soluble forms of copper, molybdenum, and cobalt in some soil types. (*Rus.*) *Agrokimiya* 1:87-99. Jan. 1966. 385 Ag89
- 33393 LUTZ, J. A. Ammonium and potassium fixation and release in selected soils of southeastern United States. *Soil Sci.* 102(6):366-372. Ref. Dec. 1966. 56.8 So3
- 33394 MAKAROV, B. N. Air regime of a soddy-podzolic soil. (*Rus.*) *Pochovovedenie* 11:98-107. Ref. Nov. 1966. 57.8 P34
English summary.
Carbon dioxide in soil.
- 33395 MALIWAL, G. L., and KHANGAROT, A. S. Occurrence of amino acids and reducing sugars in acid hydrolysates of fulvic acids isolated from Rajasthan soils. *Indian Soc. Soil Sci. J.* 14(2):101-103. June 1966. 56.9 In2
- 33396 MAURICE, J. Bibliographic review: boron geochemistry. (*Fr.*) *Ann. Agron.* 17(4):367-402. 1966. 14 F8499
English summary.
- 33397 MOULINIER, H., and MAZOYER, R. The problems raised by soluble salts in hot-house soils. (*Fr.*) *Ann. Agron.* 17(4):351-366. 1966. 14 F8499
English summary.
Analysis.
- 33399 NIKIFOROVA, T. I. A study on distribution of powdered toxic chemicals in the soil by the fluorescent method. (*Rus.*) *Vses. Nauch.-Issled. Inst. Zashch. Rast.* 24:154-159. 1965. 464.9 L5428
English summary.
- 33399 ORLOV, D. S., and OVCHINNIKOVA, M. F. Amount of various nitrogen compounds in Sierozem, Chernozem, and soddy-podzolic soil. (*Rus.*) *Agrokimiya* 1:35-44. Ref. Jan. 1966. 385 Ag89
- 33400 ORLOV, D. S. Spectrophotometric analysis of humus substances. (*Rus.*) *Pochovovedenie* 11:84-95. Ref. Nov. 1966. 57.8 P34
English summary.
- 33401 PARR, J. F., and ENGIBOUS, J. C. Distribution patterns of NH_3 in the soil. *Agr. Ammonia News* 17(1):62-65. Jan./Feb. 1967. 381 Ag82
- 33402 PATERSON, J. W., and RICHER, A. C. Effect of long-term fertilizer application on exchangeable and acid soluble potassium. *Agron. J.* 58(6):589-591. Nov./Dec. 1966. 4 Am34P
- 33403 PATRICK, W. H. Apparatus for controlling the oxidation-reduction potential of waterlogged soils. *Nature* 212(5067):1278-1279. Dec. 10, 1966. 472 N21
- 33404 PECORA, E. J., and GUEDES, O. J. Clay minerals of some soil profiles of Buenos Aires, Santa Fe, and Entre Rios. (*Sp.*) *Rev. Invest. Agropecuar.* Ser. 3, *Clima Suelo* 3(3):25-57. Ref. 1966. 343 R32
- 33405 PEREZ ESCOLAR, R. Characterization of clays and clay-organic complexes. *P. R. Univ. J. Agr.* 50(4):303-315. Ref. Oct. 1966. 8 PB32J
- 33406 PONNAMPERUMA, F. N., TIANCO, E. M., and LOY, T. A. Ionic strengths of the solutions of flooded soils and other natural aqueous solutions from specific conductance. *Soil Sci.* 102(6):408-413. Ref. Dec. 1966. 56.8 So3
- 33407 RENGASWAMY, P., and others. Relationship between the total and citric soluble forms of phosphorus and potassium in the alluvial and laterite soils of Madras state. *Indian Soc. Soil Sci. J.* 14(2):85-89. June 1966. 56.9 In2
A. Gopalswamy, V. Gopalakrishnan and R. Natarajan, joint authors.
- 33409 SCHNITZER, M., and SKINNER, S. I. M. Organo-metallic interactions in soils. 5. Stability constants of Cu^{++} , Fe^{++} , and Zn^{++} -fulvic acid complexes. *Soil Sci.* 102(6):361-365. Ref. Dec. 1966. 56.8 So3
- 33409 SCHULLER, H. Purpose and results of series soil analysis. (*Ge.*) *Forderungsdienst* 14(6):189-190. June 1966. 19 F75
- 33410 SCHWERTMANN, U. Inhibitory effect of soil organic matter on the crystallization of amorphous ferric hydroxide. *Nature* 212(5062):645-646. Nov. 5, 1966. 472 N21
- 33411 SOKOLOV, A. V., ROZOV, N. N., and RUDNEVA, E. N. Soil-agrochemical map of the USSR. (*Rus.*) *Agrokimiya* 1:3-12. map. Ref. Jan. 1967. 385 Ag89
- 33412 STREET, N. The energy of activation of surface conductance. *Soil Sci.* 102(6):414-415. Dec. 1966. 56.8 So3
- 33413 TESTINI, C. Agronomic significance of the K/Ca potential in some soils of Puglia. (*It.*) *Bari. Univ. Fac. Agr. Ann.* 19:113-124. Ref. 1965. pub. 1966. 105.4 B232
English summary.
As a parameter to evaluate the power of a soil to deliver potassium to the plants.
- 33414 TESTINI, C. From binding energy to nutrient potential. (*It.*) *Bari. Univ. Fac. Agr. Ann.* 19:87-111. Ref. p. 108-111. 1965. pub. 1966. 105.4 B232
English summary.
Ion exchange in soils.
- 33415 TESTINI, C. The validity of Schofield's Law on two soils of Puglia. (*It.*) *Bari. Univ. Fac. Agr. Ann.* 19:509-519. 1965. pub. 1966. 105.4 B232
English summary.
Potassium and calcium ratio.
- 33416 TINSLEY, J., and HUTCHEON, A. A. Chemical changes in forest litter: fourth report. May 1965. Great Brit. Forest. Comm. Rep. Forest Res. 1965:110-118. 1966. 99.9 G795Re
- 33417 VERIGINA, K. V. Determination of total amounts of iron and aluminum sesquioxides in soils. (*Rus.*) *Agrokimiya* 1:141-145. Ref. Jan. 1966. 385 Ag89
- 33419 WIKLANDER, L., and KOUTLER-ANDERSSON, E. Effect of air drying on the solubility of soil phosphate. *Uppsala. Lantbrukshogsk. Ann.* 32(3):309-317. 1966. 104 Up6
- 33419 WILLIAMS, J. H. Certain aspects of soil phosphate measurement. *Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep.* 6:29-40. Ref. 1965. 53.9 Un32
Includes discussion.

Soil Biology

- 33420 AKADEMIYA NAUK SSSR, INSTITUT MIKROBIOLOGII. Mikroflora pochv severnoi i srednei chasti SSSR [Microflora of soils of northern and central part of USSR]. Moskva, Nauka, 1966. 390 p. Ref. QR111.A33
- 33421 AMBROZ, Z. Study of the absorption in two proteases frequently occurring in soils. (*Cz.*) *Prac. Vysoka Sk. Zemedel. Sb. Rada A. Spisy Fak. Agron.* 2:161-167. 1966. 105.92 B833
English summary.
Gelatin and casein.

- 33422 CHHONKAR, P. K., and SUBBA-RAO, N. S. Fungi associated with legume root nodules and their effect on rhizobia. *Can. J. Microbiol.* 12 (6):1253-1261. Ref. Dec.1966. 448.8 C162
- 33423 DALY, G. T. Nitrogen fixation by nodulated *Alnus rugosa*. *Can. J. Bot.* 44(12):1607-1621. Ref. Dec.1966. 470 C16C
- 33421 DARBYSHIRE, J. F. Protozoa in the rhizosphere of *Lolium perenne* L. *Can. J. Microbiol.* 12(6):1287-1289. Ref. Dec.1966. 448.8 C162
- 33425 DOJO BISEIBUTSU KENKYUKAI. Tsuchi to biseibutsu [Soil microbiology]. Tokyo, Iwanawa Shoten, 1966. 299 p. QR111.D6 Bibliography, p.257-276.
- 33426 GARDINER, J. J. Nutrient status of boglands and their microbiology with regard to afforestation. *Irish Forest.* 23(1):5-13. Spring 1966. 99.8 Ir4
- 33427 HAM, G. E., and FREDERICK, L. R. Evaluation of methods for estimating numbers of *Rhizobia* on alfalfa seed. *Agron. J.* 58(6):592-595. Nov./Dec.1966. 4 Am34P
Rhizobium meliloti.
- 33429 HEATH, G. W. The biology of forest soils. Great Brit. Forest. Comm. Rep. Forest Res. 1965:103-106. 1966. 99.9 G795Re
Disappearance of leaf litter.
- 33429 MATHUR, S. P., and PAUL, E. A. A microbiological approach to the problem of soil humic acid structures. *Nature* 212(5062):646-647. Nov.5,1966. 472 N21
- 33430 NAGLITSCH, F. Changes of the composition of mesofauna during the decomposition of organic matter in soils. (Ge) *Pedobiologia* 6(2): 178-194. Ref. 1966. 56.8 P343
English summary.
- 33431 NIELSEN, L. B. Studies on the biology of Harpacticoida (Copepoda, Crustacea) in Danish beech leaf litter. *Natur. Jutlandica* 12: 195-211. Ref. 1966. 410 N2193
- 33432 ORENSKI, S. W., BYSTRICKY, V., and MARA-MOROSCH, K. The occurrence of microbial forms of unusual morphology in European and Asian soils. *Can. J. Microbiol.* 12(6):1291-1292. Dec.1966. 448.8 C162
- 33433 ORTIZ G, J. Do you know the value of an earthworm? (Sp) *Agr. Ganad.* [Santiago] 9(31):20-22. Dec.1965. 9.3 Ag88
- 33431 SHANKAR, K., and RAO, B. V. Influence of soil phosphorus status on nitrification in red soils of Mysore. *Indian Soc. Soil Sci. J.* 14(2):97-100. June 1966. 56.9 In2
- 33435 STOTZKY, G. Influence of clay minerals on microorganisms. III. *Can. J. Microbiol.* 12(6): 1235-1246. Dec.1966. 448.8 C162
On *Agrobacterium radiobacter*.
- 33436 TARDIEUX-ROCHE, A. Contribution to the study of the interactions between natural phosphates and soil microflora. 1-2. (Fr) *Ann. Agron.* 17(4):403-471. 1966. 14 F8499
- 33437 ZEVENHUIZEN, L. P. T. M. Formation and function of the glycogen-like polysaccharide of *Arthrobacter*. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(4):356-372. Ref. 1966. 448.8 N28A

Soil-Plant-Animal Relationships

- 33439 LOUIS, A. Soil-nutrition-health. (Fr) *Ann. Agr.* 6:63-67. 1966/1967. 17 An73
Use of fertilizers and plant animal relations.
- 33439 SCHLEINIGER, J. Phosphorus content of soil and phosphorus content of feed. (Ge) *Phosphorsaure* 26(3/4):87-96. Ref. 1966. 57.8 P563
- 33440 TEEL, M. R. Feed the crop to feed the animal; exploring the relationship between fertilization of feed and forage crops, and animal performance. *Agrichem. West* 9(11):8,10. Nov.1966. 381 Ag85

- 33441 VIND, R. Industrial methods in biological production. (Da) *Tolymandsbladet* 38(4):209-217. Apr.1966. 11 T58
Soil plant animal relations.

Soil Genesis, Formation, Classification, and Mapping

- 33442 ACTON, C. J. Reconnaissance soil survey report of the northwest Selangor swamp region. *Malaysian Agr. J.* 45(4):444-471, map. July 1966. 22.5 F312
- 33443 ADIL, M. L., KATHAVATE, Y. V., and SEN, A. Changes in soil associated with continuous growth of some vegetation. *Plant Soil* 25(1): 73-80. Aug.1966. 450 P696
Grasses and legumes.
- 33444 BOISEZON, P. DE. Soils of the savanna of the Bateko plateau. (Fr) *France. Office Rech. Sci. Tech. Outre-Mer. Cah. O. R. S. T. O. M. Pedol.* 3(4):291-298, map. 1965. 56.9 F84
Genesis and classification.
- 33445 BURINGH, P., and KLOES, L. J. J. VAN DER, Agric horizons in horticulture. (Du) *Neth. Dir. Tuinbouw. Mededel.* 29(9):393-396. Sept. 1966. 86 N384
English summary, p.400.
In greenhouse soil used for cucumber.
- 33445 COX, J. E. Age of the youngest hydrated halloysite of Kyushu. *Nature* 212(5062):647-648. Nov.5,1966. 472 N21
Comment on article by S. Aomine, and N. Miyauchi, and reply by S. Aomine.
- 33447 DANIELS, R. B., and JORDAN, R. H. Physiographic history and the soils, entrenched stream systems, and gullies, Harrison County, Iowa. U. S. D. A. Tech. Bull. 1348,132 p., map. Sept.1966. 1 Ag84Te
Bibliography, p.82-87.
Stratigraphy and geomorphology, by R. B. Daniels; Soils, by R. B. Daniels and R. H. Jordan; Stream trenching and valley-slope gullies, by R. B. Daniels.
- 33449 DEAL, J., and others. Soil survey of Foundation County, Indiana. U. S. Soil Conserv. Serv. Soil Surv. Serv. 1961(4C), 122 p., map. Ref. May 27, 1966. 1 So32F
K. K. Huffman, C. Guernsey, and R. H. Sturm, joint authors.
Purdue University Agricultural Experiment Station, cooperating.
- 33449 DENT, F. J., and MONCHAROEN, L. Report on the soil survey of the Mers study areas. No. 6, Chanthaburi. Thailand. Min. Nat. Develop. Soil Surv. Rep. SSR-46,35 p., map. Mar. 1966. 56.9 Si1
- 33450 GATOT, P. Report on a soil survey conducted on various BPU PPN Gula projects in North Sumatra. (In) *Menara Perkebunan* 34(6):127-144, map. 22.5 B45
English summary.
- 33451 GLAZOVSKAYA, M. A. Soil mapping systems in some foreign countries. (Rus) *Pochovovedenie* 11:38-47. Ref. Nov.1966. 57.8 P34
English summary.
- 33452 GODSE, N. G., and TAMHANE, R. V. Composition and classification of some typical Red soils of western Maharashtra. *Indian Soc. Soil Sci. J.* 14(2):119-126. Ref. 1966. 56.9 In2
- 33453 KOLKHODZHAEV, M. K. Light Chestnut soils in the western Kalba and adjacent parts of the Kazakh penplain. (Rus) *Akad. Nauk Kaz. SSR. Izv. Ser. Biol. Nauk* 4:19-25. July/Aug.1966. 442.8 AL6
Study of profiles.
- 33454 MADANOV, P. V., and VOIKIN, L. M. Buried soils under defense constructions of Russian state in XVI-XVII centuries. (Rus) *Pochovovedenie* 9:21-27. Ref. Sept.1966. 57.8 P34
English summary.
Genesis.

- POUQUET, J. Les sols et la géographie; initiation géopedologique [Soils and geography; geopedological initiation]. Paris, Société d'Édition d'Enseignement Supérieur, 1966. 267 p., map. Ref. S591.P6
- ROY, D. K. Application of aerial photo technique in mapping and analysis of gully erosion in the forest-types of Upper Damodar Valley. J. Soil Water Conserv. India 14(1/2):50-54, map. Jan./June 1966. 56.8 J824
- SCHWARTZ, R. L., and others. Soil survey of Fisher County, Texas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(39), 76 p., map. Jan. 1966. 1 S632F
- W. L. Delozier, A. R. Goerdel, K. T. Lofton, and W. E. Beckham, joint authors.
Texas Agricultural Experiment Station, cooperating.
- STENSLAND, R. W. Schematic-reconnaissance soil survey of a part of east Pahang. Malaysian Agr. J. 45(3):295-310, map. Jan. 1966. 22.5 F312
- TATARINOV, S. F. Methods for determining the degree of podzolization. (Rus) Pochvovedenie 11:53-57. Ref. Nov. 1966. 57.8 P34
English summary.
- TUNG, T. C. Etude pédologique de la moyenne vallée du Song Ba (Phu-bon) [Pedological study of the middle valley of Song Ba (Phu-bon)]. Saigon, Direction des Recherches, 1966. 190 p., map. S599.V5T5
- U. S. SOIL CONSERVATION SERV. Soil survey of Rogers County, Oklahoma, by D. J. Polone. Washington, 1966. 65 p., map. aS591.A3P6
Oklahoma Agricultural Experiment Station, cooperating.
- WATSON, B. G., and others. Soil survey of Lafayette County, Wisconsin. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1960(27), 137 p., map. Aug. 1966. 1 S632F
- B. S. Butman, S. W. Torrance, J. J. Sund, S. M. Shivers, B. G. Watson, joint authors.
University of Wisconsin, Wisconsin Geological and Natural History Survey, Soil Survey Division, and Wisconsin Agricultural Experiment Station, cooperating.
- ZONN, I. S., and LIMACHEV, N. S. Soil formation in southern Iraq irrigation areas. (Rus) Pochvovedenie 11:72-82. Ref. Nov. 1966. 57.8 P34
English summary.

SOIL MANAGEMENT

- ARONOVICI, V. S. The area-elevation ratio curve as a parameter in watershed analysis. J. Soil Water Conserv. 21(6):226-228. Ref. Nov./Dec. 1966. 56.8 J822
- GRAS, R., SCHMITLIN, B., and TROCME, S. First results of a trial on soil management in fruit culture. III. (Fr) Ann. Agron. 17(3):203-217. Ref. 1966. 14 F8499
English summary.
- JAMES, A. L. Stabilizing mine dumps with vegetation. Endeavour 25(96):154-157. Sept. 1966. 472 En2
- LEEUWEN, J. C. VAN, and SCHIE, J. J. VAN. Soil and water management on a concentration of market gardens. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:50-54. 86 N112J
English summary, p.3 of summary section.
- MCCRÆ, J. A few historical notes about the New Zealand Catchment Authorities' Association (Inc.). Soil Water 3(1):25-27. Sept. 1966. 56.8 S6323
- STOUT, R. What 38 years of organic gardening have taught me. Org. Gard. Farming 14(1):38-43. Jan. 1967. 57.8 Or32
- ANTIC, M. The effect of increasing amounts of phosphorus and potassium on yields of highly productive varieties of wheat. (Se) Agrohemia 3/4:100-108. Ref. 1966. 385 Ag87
- ARTYUKHOV, I. K. Comparative effectiveness of some forms of nitrogen fertilizers and the technique of application of ammonia liquor on corn on Chernozems. (Rus) Agrokimiya 1:28-34. Ref. Jan. 1966. 385 Ag89
- AVAKYAN, N. O., KRATYAN, T. S., and TER-ARAKELIAN, G. A. Application of mineral fertilizers on cotton considering fertility of Brown soils of Ararat Plains in the Armenian SSR. (Rus) Agrokimiya 1:68-76. Ref. Jan. 1966. 385 Ag89
- AVRAMOV, L., and LOVIC, R. A contribution to the study of the effect of manures and mineral fertilizers on the percentage of propagation of grape grafts in the establishment of vineyards. (Se) Agrohemia 1/2:30-38. 1966. 385 Ag87
English summary.
- BENNETT, W. F., and NOSSAMAN, N. L. High Plains potatoes like ammonia and liquid fertilizer. Agr. Ammonia News 17(1):32,34. Jan./Feb. 1967. 381 Ag82
- BENZIAN, B., BOLTON, J., and MATTINGLY, G. E. G. Nutrition experiments in forest nurseries: slow-release fertilizers for conifer seedlings. Great Brit. Forest. Comm. Rep. Forest Res. 1965:88-89. 1966. 99.9 G795Re
- BEUERMANN, B. Hochwertiges Futter von Wiese und Weide [Forage of high value from meadow and pasture]. Ed. 3. Dusseldorf, 1965. 43 p. SB197.B4
Chiefly fertilizers.
- BIK, R. A. First trial with slow fertilizers for pot Chrysanthemum. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:59-62. 86 Aa4
- BIK, R. A., and ZWAARD, P. VAN DER. Malt waste step trials with Azalea. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:51-52. 86 Aa4
- Fertilizing.
- BIK, R. A. Second trial with slow fertilizers for pot Chrysanthemum. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965:62-64. 86 Aa4
- BINNS, W. O. One spoonful to be taken each spring (or research on forest nutrition). Arbor 4(3):21-23. 1966. 99.8 Ar17
- BOCSKAI, J. The effect of liming and fertilizing on alkali soils. (Hu) Magyar Mezogazdasag 21(51):6-7. Dec. 21, 1966. 19 M27
- BOERTJE, G. A. Genesis, winning, composition and use of frozen-through black peat. Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:44-49. 86 N112J
English summary, p.1-2 of summary section.
Includes its use as fertilizer and in potting soil.
- BOHLE, H. New breeding varieties—old management problem. (Ge) Mitt. Deut. Landwirtsch. Ges. 81(50):1824-1827. Dec. 15, 1966. 18 N39
Importance of fertilizer and grassland management.
- BOLTON, J., and COULTER, J. K. Distribution of fertilizer residues in a forest nursery manuring experiment on a sandy Podsol at Wareham, Dorset. Great Brit. Forest. Comm. Rep. Forest Res. 1965:90-92. 1966. 99.9 G795Re
- BORSANYI, B. Management of producing capacity of soil in Szekeshelyvar. (Hu) Magyar Mezogazdasag 21(46):6-7. Nov. 16, 1966. 19 M27
Mineral fertilizers application.

- 33486 BREDOW-STECHOW, W. VON. Increment-promoting nutrition of forest trees. (Ge) Mitt. Deut. Landwirt.-Ges. 81(43):1612,1614,1616-1617. Oct.27,1966. 18 N39
Forest fertilizing.
- 33487 BRETAN, I., and others. The effect of fertilizers on the yields of wheat and other plants on the medium podzolized Brown Forest soils. (Rum) Probl. Agr. [Bucharest] 18(8):31-36. Aug.1966. 21 R862
I. Simionescu, G. Salajan, and A. Luca, joint authors.
English summary.
- 33489 BURR, D. The role of mineral fertilizers in the plantation production of poplars. (Se) Agrohemija 3/4:91-94. 1966. 385 Ag87
- 33489 BUYS, G. B., and KNOPP, P. C. Fertilizing carnations. (Du) Naaldwijd. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:40-43. 86 N112J
English summary, p.1 of summary section.
- 33490 CESARI, C. Technical bases for fruit fertilization. (It) Agr. Ferrarese 70(4):82-83. Apr.30,1966. 16 Ag87
- 33491 CHALUMEAU, P. Marine algae; the opinion of an agronomist. (Fr) Ann. Agr. 6:70. 1966/1967. 17 An73
Fertilizer.
- 33492 CHARLES, A. H. A comparison of the assessment of soil fertility by means of a test crop and soil analyses. Univ. Coll. Wales, Welsh Soils Discuss. Group. Rep. 6:10-15. 1965. 56.9 Un32
Grasses and clover.
Includes discussion.
- 33493 CHATILLON, A. Opinion of a vinegrower. (Fr) Ann. Agr. 6:69. 1966/1967. 17 An73
Seaweeds as fertilizers.
- 33494 CHESTNUTT, D. M. B. The effects of nitrogen, potash and phosphate on the yield and composition of a grass/clover sward. Northern Ireland. Rec. Agr. Res. 14(1):71-81. 1965. 10 N81R
- 33495 CLINE, R. A., and ARCHIBALD, J. A. The effect of potassium and phosphorus fertilizer on yield and quality of Montmorency cherry. Ontario. Hort. Exp. Sta. Rep. 1965:28-35. 1966. 101 On823
- 33496 COLLIN, G. H. A test of controlled-release ammonium sulfate. Ontario. Hort. Exp. Sta. Rep. 1965:77-80. 1966. 101 On823
Potato fertilizing.
- 33497 DAVIES, H., THOMAS, B. V., and ALDRICH, D. T. A. The effects of different levels of nitrogen fertilizer on the yields of varieties of perennial ryegrass (*Lolium perenne*) and cocksfoot (*Dactylis glomerata*). Brit. Grassland Soc. J. 21(3):245-249. Ref. Sept.1966. 60.19 B773
- 33498 ECK, P. Blueberry leaf analysis. Maine. Agr. Exp. Sta. Misc. Rep. 118:109-114. 1966. 100 M23M
For fertilizer study.
- 33499 ENGELSTAD, O. P., and TERMAN, G. L. Importance of water solubility of phosphorus fertilizers. Com. Fert. Plant Food Indus. 113 (6):32-33,35. Dec.1966. 57.8 C73
In relation to agronomic performance.
- 33500 FENNER, R. J., and RATTRAY, A. G. H. The residual effect of nitrogen applied to a *Panicum coloratum* (Makarikari) ley. Rhodesia Agr. J. 63(4):93-96. July/Aug.1966. 24 R34
- 33501 FERRARI, T. J. Towards a soil fertility in dimensions. Neth. J. Agr. Sci. 14(4):225-238. Ref. Nov.1966. 12 N3892
- 33502 FINGER, O. Fertilizer trials in Rhineland-Palatinate for the re-examination of the limit value of chemical analysis of the soil. (Ge) Phosphorsäure 26(3/4):81-86. 1966. 57.8 P563
Field crop fertilizing.
- 33503 FURUTA, T., and others. Controlled-release fertilizers for ornamental plant production. Florists' Rev. 139(3650):17-18,53-55. Dec.29,1966. 80 W41
J. B. Breece, L. E. Pyeatt, T. G. Byrne, and R. H. Sclaroni, joint authors.
- 33504 GALLINAL HEBER, A. Development of natural meadows on the basis of fertilizing. (Sp) Vida Agr. [Lima] 42(501):395-405. Aug.1965. 9.8 V66
Peru.
- 33505 GAUTHEYROU, J., and GAUTHEYROU, M. Simultaneous application of ammonia nitrogen and ammonium nitrate to soils; contribution to the study of dynamics of nitrogen. (Fr) France. Office Rech. Sci. Tech. Outre-Mer. Cah. O. R. S. T. O. M. Pedol. 3(4):367-391. Ref. 1965. 56.9 F84
- 33506 GAY, C. W., and DWYER, D. D. Effects of one year's nitrogen fertilization on native vegetation under clipping and burning. J. Range Manage. 18(5):273-277. Ref. Sept.1965. 60.18 J82
- 33507 GERICKE, S. Fertilizing of tomatoes. (Ge) Phosphorsäure 26(3/4):106-117. 1966. 57.8 P563
- 33508 GLINTIC, M. A contribution to the study of most favorable quantities of phosphorus and potassium fertilizers for wheat. (Se) Agrohemija 7/8:303-312. Ref. 1966. 385 Ag87
English summary.
Effect on yields.
- 33509 GOLDBERG, D., SHMUEL, M., and GORNAT, B. Field experiments on soil salinity and nitrogen fertilizer application at Yotvata, 1964/65. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 507,30 p. Jan.1966. 107 R26
English summary.
Includes soil salinity studies in relation to irrigation of onions and sweet corn.
- 33510 GRAY, F. Productivity of key soils in Oklahoma. Okla. Agr. Exp. Sta. Bull. B-650,30 p., map. Oct.1966. 100 Ok4
U. S. Department of Agriculture, cooperating.
- 33511 GROWING tomatoes for mechanical harvesting. III. Fertilization, irrigation, and weed control. World Farming 8(10):28-31,62, (Cont.) Oct. 1966. 30.06 W89
- 33512 GUTSTEIN, Y., and CARMELI, R. Effect of the direct application of nitrogen and phosphorus fertilizers, and their residual effect after application to a cotton crop, on the quality and yield of sugar beet. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 535,21 p. Ref. July 1966. 107 R26
English summary.
- 33513 HAANS, J. C. F. M. Quality of land. (Du) Landbouwkundig Tijdschr. 78(2):64-71. Ref. Feb.1966. 105.2 Or3
Soil capability, profile, and fertility.
- 33514 HAENCHEN, E. Soil tests in fruit nurseries. (Ge) Obstbau [Berlin] 6(1):6-7. Jan.1966. 80 Ob79
- 33515 HAGIN, J. Evaluation of potassium metaphosphate as fertilizer. Soil Sci. 102(6):373-379. Ref. Dec.1966. 56.8 So3
Crop response.
- 33516 HARGITAL, L. Nitrogen-dynamical examinations for characterizing favourable biochemical limit-value of soil at soil improving. (Hu) Budapest. Kertészeti Szekesz. Foiskola. Közleményei 30(1):121-133. 1966. 80 B85
English summary.
As an effect of lime treatment.
- 33517 HEATHCOTE, R. G. Foliar analysis of sorghum. Sols Afr. 11(1/2):81-82. Jan./Aug. 1966. 56.8 So4
Text also in French, p.83-84.

- 33518 HEPLER, P. R., STRUCHTEMEYER, R. A., and HUTCHINSON, F. E. Effect of lime and pH on yield and quality of sugar beets. *Maine Farm Res.* 14(2):14-16. July 1966. 100 M28Ma
- 33519 HOLOBRADY, K., and others. Potassium trachyte from the environs of Kremnica as a possible source of potassium oxide in the nutrition of plants. (Cz) *Pol'nohospodarstvo* 12 (11):822-833. Ref. 1966. 195 P752
A. Dobis, G. Bujdos, and J. Puskas, joint authors.
English summary.
Sunflowers and beans fertilizer tests.
- 33520 IVERSEN, K. How much should we fertilize? (Da) *Dansk Landbrug* 85(11):313-134. Nov. 1966. 280.28 V91
Field crops.
- 33521 JOHNSON, W. A., and WARE, L. M. Effects of nitrogen source and lime on potato yields. *Highlights Agr. Res.* [Ala. Sta.] 13(4):13. Winter 1966. 100 AL1H
Fertilizers.
- 33522 JONES, P. D. The effect of potassium on a reseeded ley. *Univ. Coll. Wales, Welsh Soils Discuss. Group. Rep.* 6:16-19. 1965. 56.9 In32
Includes discussion.
- 33523 JONGKIND, M. Fertilizer trials with the lilac "Mad. Fl. Stepman." (Du) *Aalsmeer, Proefsta. Bloemisterij. Jaarverslag* 1965:112. 86 Aa4
- 33524 JORDAN, E. Phosphate provision for the soil in intensive vegetable culture. (Ge) *Phosphorsäure* 26(3/4):118-123. 1966. 57.8 P563
Effects on yield and quality.
- 33525 JOSEPH, K. T. Phosphate response studies with *Pueraria phaseoloides* on some Malayan soils. *Malaysian Agr. J.* 45(2):162-174. Ref. July 1965. 22.5 F312
- 33526 KAY, B. L. Fertilization of cheatgrass [*Bromus tectorum*] ranges in California. *J. Range Manage.* 19(4):217-220. July 1966. 60.18 J82
- 33527 KNUSTSON, G. Sewage sludge and its use. (Sw) *Hushallningssällsk. Tidskr.* 32(8):177-179. 1965. 11 H9522
As fertilizer.
- 33528 KOSTIC, M. Peculiarities of the application of nitrogen fertilizers in wheat production. (Se) *Agrohemija* 7/8:279-290. Ref. 1966. 385 Ag87
English summary.
- 33529 LACHOVER, D., and EBERCON, A. The response of groundnut to superphosphate application. (Fr) *Oleagineux* 21(10):597-602. Ref. Oct. 1966. 77.8 OL2
English summary, p. XLVII.
- 33530 LARZURSKII, A. V., and KARDINALOVSKAYA, R. I. Effect of manure on soil fertility, yields and quality of crops depending on the level of mineral fertilizers. (Rus) *Agrokimiya* 1:45-55. Ref. Jan. 1966. 385 Ag89
- 33531 LIPPS, R. C. NH_4 -a premium fertilizer for western sugar beet production. *Agr. Ammonia News* 17(1):38,40,42. Jan./Feb. 1967. 381 Ag82
- 33532 MANDAL, S. C., and others. Studies on liming of acidic Red loam soils. I. Response of crops to liming. *Indian Soc. Soil Sci. J.* 14(2):127-131. June 1966. 56.9 In2
H. Sinha, C. R. Prasad, and M. A. Ali, joint authors.
- 33533 MATTINGLY, G. E. G. Residual value of cumulative dressings of superphosphate, rock phosphate and basic slag on a sandy soil at Wareham, Dorset. *Great Brit. Forest. Comm. Rep. Forest Res.* 1965:93-96. 1966. 99.9 G795Re
Forest nursery.
- 33534 MCALLISTER, J. S. V., and others. The effects of different nitrogen treatments on the spring growth of ryegrass. 1-2. Northern Ireland Rec. Agr. Res. 14(2):15-41. Ref. 1965. 10 N81R
1. Effects on yield and nitrogen content of the herbage, by J. S. V. McAllister, S. McConaghy, W. E. Coey, and J. A. M. Kerr; 2. Effects on mineral composition of the herbage, by J. S. V. McAllister.
- 33535 MCALLISTER, J. S. V. The effects of nitrogen on the growth of barley in Northern Ireland. 2. Effects of different forms of applied nitrogen on yield and on the nitrogen content of grain. *Northern Ireland. Rec. Agr. Res.* 14(1):125-134. Ref. 1965. 10 N81R
- 33536 MELLONI, T. Supplementary foliar fertilization of fruit trees. (It) *Agr. Ferrarese* 70(4):84-85. Apr. 30, 1966. 16 Ag87
- 33537 MILLS, P. F. L. Effects of nitrogen on the yields and quality of hay from 3 types of veld at Matopos. *Rhodesia Agr. J.* 63(1):9-12, 18, 21. Jan./Feb. 1966. 24 R34
- 33538 MOGA, I., and others. Results of tests on the effect of fertilizers on yields and quality of winter wheat stands on chestnut Chernozem soils in Marcelesti. (Rum) *Probl. Agr. [Bucharest]* 18(10):4-13. Oct. 1966. 21 R862
G. Vines, O. Stefan, and R. Moga, joint authors
English summary.
- 33539 MORRISON, J. The nitrogen and phosphorus fertilization of perennial ryegrass [*Lolium perenne*] grown at high altitudes in Kenya. *Brit. Grassland Soc. J.* 21(3):218-223. Ref. Sept. 1966. 60.19 B773
Chiefly effects on yields.
- 33540 MULLENBERG, M. The effect of fertilizing on the yield and quality of fennel (*Foeniculum vulgare* Mill.). (Ge) *Herba Hung.* 5(2/3):183-189. 1966. 71.8 H413
Nitrogen, potassium and phosphoric acid fertilizer experiments in East Germany.
- 33541 MUNK, H. Effects of phosphate fertilizing on yield, phosphoric acid and protein content of meadow forage. (Ge) *Phosphorsäure* 26(3/4):97-105. Ref. 1966. 57.8 P563
- 33542 NAZIROV, KH. N. Application of potassium fertilizers on kenaf. (Rus) *Len Konoplya* 11:28-29. 1966. 73.8 L542
- 33543 NEUSTADT, M. Sapropel mud deposits in the U.S.S.R. and their utilization potential. (Fi) *Suo* 17(4):55-62, map. Oct. 10, 1966. 54.8 Su7
English summary.
Includes its use as fertilizer and feed.
- 33544 NIELSON, R. F., and VAN EPPS, G. A. Fertilizing winter wheat in Utah. *Utah Farm Home Sci.* 27(2):68-71. June 1966. 100 Ut1F
Nitrogen and phosphorus.
- 33545 NIEUWOUT, W. L., and DOCKEL, J. A. The determination of the economic optimum level of fertilizer application for silage production in the eastern Cape. *Agrekon* 5(4):4-18. Oct. 1966. 281.8 Ag835
- 33546 OKONKWO, G. T. Brief review of maize fertilizer trials in Eastern Nigeria. *Sols Afr.* 11(1/2):241-243. Jan./Aug. 1966. 56.8 So4
Text also in French, p. 245-248.
Includes discussion.
- 33547 OLESEN, J. Phosphorus fertilizers. (Da) *Tidsskr. Landokon* 8:375-387. Oct. 1966. 11 T43
Application and effects on field crop yields.
- 33548 OTTO, G. Soil fatigue as a specific diminishment of soil fertility. I. (Ge) *Obstbau [Berlin]* 61(1):4-6. Jan. 1966. 60 Ob79

- 33549 PETROVA, L. I. Liming acidic soils. (Rus) Len Konopiya 11:26-28, 1966, 73.8 L542
- 33550 PILLIS, P. Models of soil productivity. (Hu) Budapest. Kertészeti Szolész. Foiskola. Kozlemenyei 30(1):153-163. Ref. 1966. 80 B85 English summary.
Designs for productivity raising.
- 33551 POPOVIC, Z., and KOVACEVIC-TATIC, R. The effect of mineral fertilizers on the amount and stability of wheat yields. (Se) Agrohemiya 7/8:241-252. Ref. 1966. 385 Ag87 English summary.
- 33552 RAJKOVIC, Z. Date and method of the application of carbamide on sandy Chernozem soils. (Se) Agrohemiya 1/2:13-18. 1966. 385 Ag87
- 33553 RAMSEY, D. M. Agricultural uses of ammonia. Agr. Vet. Chem. 7(3):66-68, 70, May/June 1966. 382 Ag82 Fertilizer.
- 33554 REARDON, P. O., and HUSS, D. L. Effects of fertilization on a little bluestem [Andropogon scoparius] community. J. Range Manage. 18 (5):238-241. Sept. 1965. 60.18 J82
- 33555 REICHBUCH, L. Comparative effect of ammonia and ammonium nitrate on winter wheat, corn, sugar beets and potatoes. (Rum) Probl. Agr. [Bucharest] 18(10):24-32. Oct. 1966. 21 R862 English summary.
- 33556 ROBERTS, E. The present state of fertility in Welsh soils and some changes that have taken place. Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep. 6:1-9. 1965. 56.9 Un32 Includes discussion.
- 33557 ROGALEV, I. E. Improved forms of potassium-cement dust and its effect on potato, peas, flax and some other crops. (Rus) Agrokhiymiya 1: 56-59. Jan. 1966. 385 Ag89
- 33558 RUSSELL, J. S., and others. Response of sub-irrigated meadow vegetation to application of nitrogen and phosphorus fertilizer. J. Range Manage. 18(5):242-247. Ref. Sept. 1965. 60.18 J82
E. M. Brouse, H. F. Rhoades, and D. F. Burzlaff, joint authors.
- 33559 SAXENA, M. C., and GAUTAM, O. P. Nitrogen and phosphate fertilization of hybrid maize. I. Response of "Texas-26" to nitrogen and phosphate fertilization. Indian Soc. Soil Sci. J. 14(2):139-146. June 1966. 56.9 In2
- 33560 SCARSBROOK, C. E. Nitrogen + irrigation, formula for consistently high corn yields. Highlights Agr. Res. [Ala. Sta.] 13(4):9. Winter 1966. 100 AL1H
- 33561 SESTIC, S., and others. The effect of single, mixed and compound fertilizers on yields of some field crops. (Se) Agrohemiya 1/2:3-7. 1966. 385 Ag87
N. Markovic, M. Jankovic, and M. Perkovic, joint authors.
- 33562 SHARMA, B. M. A study of foliar and soil nutrient status of Calligonum polygonoides Linn. at Churu (Rajasthan). Indian Forest. 92(9):555-561. Sept. 1966. 99.8 In2
- 33563 SINGH, R. M. Problems of green manuring in sub-Tropics. J. Soil Water Conserv. India 14(1/2):22-26. Ref. Jan./June 1966. 56.8 J82A
- 33564 SOLOMON, G. A., and AWAN, A. B. Fundamental economic analysis for fertilizing potato, cotton and corn. (Sp) Ceiba 12(1):27-43. July 1966. 475 C32
- 33565 SOMOS, A., and TURI, I. Effect of fertilizers applied in irrigation water for onions grown on poor sandy soil. (Hu) Budapest. Kertészeti Szolész. Foiskola. Kozlemenyei 30(1):21-32. 1966. 80 B85 English summary.
- 33566 SOROKINA, G. I. Effect of copper on yield and quality of potato. (Rus) Agrokhiymiya 1: 109-112. Ref. Jan. 1966. 385 Ag89
- 33567 STEPANESCU, E., VLAS, I., and COLIBAS, I. The effect of soil amendments and fertilizers on yields of some field crops grown on saline and alkaline soils of the Cris River valley. (Rum) Probl. Agr. [Bucharest] 18(10):33-42. Ref. Oct. 1966. 21 R862 English summary.
- 33568 STORTZER, M. Forming reserves of nutritional substances with the cultural practice of soils. (Ge) Obstbau [Berlin] 6(1):7-10. Jan. 1966. 80 Ob79
Chiefly green manuring, mulch and fertilizers for fruit soils.
- 33569 STRAND, R. F., and AUSTIN, R. C. Evaluating fertilizer and other materials to speed growth of planted Douglas-fir. J. Forest. 64(11):739-744. Ref. Nov. 1966. 99.8 F768
- 33570 SUAREZ Y., A., and ASCENSION SANTOS, E. Experiment comparing urea and ammonium nitrate as pasture fertilizers. (Sp) Oviedo. Univ. Fac. Vet. Leon. An. 11(11):309-322. 1965. 41.9 Ov4 English summary.
- 33571 SUBRAHMANYAN, R., and MANNA, G. B. Relative response of the rice plant to blue-green algae and ammonium sulphate in bulk trials. Cur. Sci. 35(19):482-483. Ref. Oct. 5, 1966. 475 Sci23
- 33572 SURLEKOV, P. Proper form of green manuring of vegetable plants. (Bu) Gradinarska Lozarska Nauk. 2(1):65-70. 1965. 87 G75 German summary.
- 33573 TOSI, C. Mineral fertilizing of poplar; results of several years' experiments. (It) Ital. Agr. 103(10):921-941. Ref. Oct. 1966. 16 It1
- 33574 TRAJKOVIC, D., OCOKOLJIC, S., and COLIC, D. The effect of phosphorus fertilizers on the pastures of Festuca-Agrostis vulgaris communities. (Se) Agrohemiya 3/4:146-158. Ref. 1966. 385 Ag87 English summary.
Effect on yields and quality.
- 33575 TREVETT, M. F. Leaves tell how to fertilize lowbush blueberries. Maine Farm Res. 14(2): 25-30. July 1966. 100 M28Ma
- 33576 TREVETT, M. F. Where does nitrogen fertilization of lowbush blueberries lead? Maine. Agr. Exp. Sta. Misc. Rep. 118:42-46. 1966. 100 M28M
- 33577 UHLIAR, J. The effect of graduated doses of nitrogen on yields and quality of green matter of winter rye. (Cz) Pol'nohospodarstvo 12(11): 876-879. 1966. 19.5 P752
- 33579 UPOLOVNIKOV, B. A. Changes of available nutrient elements in soil as influenced by fertilizer application on dry soils. (Rus) Pochvovedenie 11:95-97. Nov. 1966. 57.8 P34
- 33579 VALEK, B. Soils around the Grun in Silesian Beskyd Mountains and their natural fertility. (Cz) Cas. Slezského Muz., Ser. A. Sci. Natur. 15(2):171-191, map. Ref. 1966. 510 T75 German summary.
- 33580 VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT UDOBRENI I AGROPOCHOVOVEDENIYA. Deistvie udobrenii na urozhai i ego kachestvo; materialy soveshchaniya nauchno-issledovatel'skikh uchrezhdenii uchastnikov geograficheskoi seti opytov s udobreniyami, 25-29 iyunya 1963 goda [Effect of fertilizers on yields and its quality; materials of the Conference of the Research Institutions Participating in the Geographical Network Studies of Fertilizers, 25-29 June 1963]. Moskva, Kolos, 1965. 336 p. Ref. S639.V75 Field crops.
- 33581 WADA, S., and KUDO, T. Varietal differences of yield of rice plants in response to the direct supply of fertilizers to the rhizosphere of the growing plants. I. Analysis of yield and its components. (Ja) Crop Sci. Soc. Japan. Proc. 34(4):425-430. Ref. June 1966. 22.5 C88 English summary.

- WEETMAN, G. F. A soil fertility study of old field soils from the Grand'Mere plantation, Quebec; a pot trial with two soils and foliar analyses of the plots manured in 1920. *Woodlands Res. Index* 181,26 p. Ref. Aug.1966. 99.8 W855A
- WELCH, L. F., and others. Relative efficiency of broadcast versus banded potassium for corn. *Agron. J.* 58(6):618-621. Ref. Nov./Dec.1966. 4 Am34P
- P. E. Johnson, G. E. McKibben, L. V. Boone, and J. W. Pendleton, joint authors.
- ZIEMER, F. H. Magnesium-supply, loss, requirement. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81 (43):1602,1604,1606. Oct.27,1966. 18 N39
- In soils; includes fertilizers.
- ZUBENKO, V. F., and MOL'DERF, T. D. Effect of fertilizers in crop rotation on podzolic soils of the Polesie. (Rus) *Agrokimiya* 1:60-67. Jan.1966. 385 Ag89
- Soil Tillth and Tillage
- ARCHIBALD, J. A., CLINE, R. A., and REISS-MANN, H. J. Soil moisture and temperature relationships as influenced by surface mulching. *Ontario. Hort. Exp. Sta. Rep.* 1965:23-28. 1966. 101 On823
- BALEV, P. Some theoretical and practical problems of soil cultivation. (Rus) *Zemledelie* 11:6-12. Nov.1966. 20 Z44
- CZERATSKI, W. Characterization of tillage-induced soil properties for plant growth. *Grundforbattering* 19(1):89-104. Ref. 1966. 54.8 G92
- FOTH, H. D., and others. Effect of deep plowing on the productivity of the Conover loam. *Mich. Agr. Exp. Sta. Quart. Bull.* 49(1):4-11. Aug.1966. 100 M58S
- C. M. Hansen, A. E. Erickson, and L. S. Robertson, joint authors.
- Effects on yields of corn and oats.
- GHOSH, A. K. Stubble mulching as a soil conservation measure in the Gangetic plain area of U.P. *J. Soil Water Conserv. India* 14(1/2):18-19. Jan./June 1966. 56.8 J324
- HAAN, F. A. M. DE, and WIND, G. P. Soil condensation as result of method of carrying out soil improvement operations. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(7/8):244-249. June 1966. 12 N282
- Tillage results determined with a penetrometer.
- HOARD'S Dairyman round table: We like minimum tillage. *Hoard's Dairyman* 111(24):1472-1473. Dec.25,1966. 44.8 H65
- Effects on soils.
- LAMMEL, K. Importance of plowing contests. (Hu) *Magyar Mezőgazdaság* 21(46):8. Nov.16, 1966. 19 M27
- MARK, J. Minimum tillage. (Da) *Tolvmands-bladet* 38(10):542-544. Oct.1966. 11 T58
- NICOLAE, C. The effect of the depth of tillage and the application of fertilizers on the yields of winter wheat stands on Brown podzolic soils. (Rum) *Probl. Agr. [Bucharest]* 18(8):20-30. Aug.1966. 21 R862
- English summary.
- PIPIE, F. New trends in tillage systems of corn culture. (Rum) *Probl. Agr. [Bucharest]* 18(8):37-45. Ref. Aug.1966. 21 R862
- Includes planting.
- SAVESON, I. L., LUND, Z. F., and DAVIDSON, L. G. Deep-tillage investigations on alluvial soil in the sugarcane area of Louisiana. U. S. Agr. Res. Serv. *ARS-41-123*, 21 p., map. Oct. 1966. A56.9 R31
- Louisiana Agricultural Experiment Station, cooperating.
- SCHERINGS, H. Tillage of land edges. (Du) *Landbouwmecanisatie* 17(11):1177-1179. Nov.1966. 58.8 L2352
- Includes equipment.
- TIBORCZ, GY. Fall preparational activities in vegetable production. (Hu) *Kerteszeti Szolész.* 15(21):9-10. Nov.1966. 80 K474
- Tillage and fertilizing.
- VORSTER, P. J. Summer practices to protect plants during early growth stage against the wind. *Farming S. Afr.* 42(7):41,43. Oct.1966. 24 S642
- Ridging and soil management.
- WIEBE, J., and others. Effects of additions of straw on soil temperature and moisture, and on yield of potatoes, strawberries and beans. *Ontario. Hort. Exp. Sta. Rep.* 1965:40-47. 1966. 101 On823
- C. L. Ricketson, R. A. Cline, G. H. Collin, and J. A. Archibald, joint authors.
- Straw used as a mulch.
- WIEBING, R., and HEL, D. VAN DER. Grondverbetering Borgercompagnie [Borgercompagnie soil improvement]. Wageningen. Inst. Cultuurtech. Waterhuishouding. Mededel. 81, 8 p. 1965. 282.9 W12
- English summary.
- Tillage and subsoling.
- WILLET, J. R. Tillage depth in mechanical reclamation of fen colony soils. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(7/8):282-285. July/Aug.1966. 12 N282
- Drainage, Irrigation, Water Supply, and Flood Control
- BAGLEY, J. M. Estimation of Utah's water yield. *Utah Farm Home Sci.* 27(1):11-17, map. Mar.1966. 100 UtiF
- BAITSCH, B. Rationalization of maintenance of inland drains. (Ge) *Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr.* 19:51-72. 1965. 27 H652
- BALAN, C. Aspects of the irrigated culture of corn in France. (Rum) *Probl. Agr. [Bucharest]* 18(8):77-82. Aug.1966. 21 R862
- BALEKUNDRI, S. G. Minor irrigation in Mysore State. *Mysore Econ. Rev.* 51(7/8):22-24, 26. 1966. 280.8 M994
- BAL'SEVICHYUS, A. L. Roughness coefficients of the open strengthened canals. (Rus) *Gidrotekh. Melior.* 11:25-30. Nov.1966. 290.8 G362
- BANNIKOV, B. Reclamation of lands in Cuba. (Rus) *Gidrotekh. Melior.* 11:48-51. Nov.1966. 290.8 G362
- BARNES, K. K. Efficiency of sprinkler irrigation. (Sp) *Agr. Amer.* 15(5):16-17, 54. May 1966. 58.8 Ag832
- BEL'SKII, A. L., and IGNATENKOV, A. P. Preparing specialists for soil improvement. (Rus) *Zemledelie* 10:66-70. Oct.1966. 20 Z44
- Chiefly for drainage.
- BENAMI, A. Prediction of seasonal and short-period water requirements. *Mediterranea* 12: 284-291. Ref. Oct./Dec.1966. 281.8 M462
- For irrigation.
- BERTHOIS, L., and HOORELBECK, J. Sedimentation in the water flow and on the coast of French Guiana. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(15):955-958, map. Oct.10, 1966. 505 P21
- BLJCKER, C., and PIETERS, J. Techniek en economie van het onderhouden van enkele Drenthe-waterschappen [Technical and economic aspects of the maintenance of open water courses]. Wageningen. Inst. Cultuurtech. Waterhuishouding. Verspreide Overdrukken 28,16 p. 1965. 282.9 W12V
- English summary.
- Drainage ditches.
- BON, J. De verhangmanometer en enkele hulpmiddelen voor de debietmeting bij stuwen [The gradient measurement manometer and aids to the measurement of the discharge of weirs]. Wageningen. Inst. Cultuurtech. Waterhuishouding. Mededel. 83,8 p. 1965. 282.9 W12
- English summary.

- 33616 BUCUR, N., BALOIU, V., and POPOVICI, G. Aspects of the improvement of saline soils in the Bahlui River valley. (Rum) *Probl. Agr.* [Bucharest] 18(3):46-51, map. Aug. 1966. 21 R862
Chiefly drainage.
- 33617 BURKE, W. Some effects of drainage on peat. Univ. Coll. Wales. Welsh Soils Discuss. Group. Rep. 6:46-55. 1965. 56.9 Un32
Ireland.
Includes discussion.
- 33618 CALZECCHI-ONESTI, A. An enormous disaster in the fields of a third of Italy. (It) *G. Agr.* 76(46):489. Nov. 13, 1966. 16 R1G
Flooding; includes reforestation policy.
- 33619 CALZECCHI-ONESTI, A. Reconstruct! (It) *G. Agr.* 76(47):501. Nov. 20, 1966. 16 R1G
Flood damage.
- 33620 CALZECCHI-ONESTI, A. Three objectives: quickly restore the damage, reconstruct, protect the soil by controlling the water. (It) *G. Agr.* 76(48):511. Nov. 27, 1966. 16 R1G
- 33621 CARRILLO LIZ, A. Estudio de la probabilidad de las lluvias para el aprovechamiento de las mismas [Study of the probability of rainfall for its utilization]. Mex. Dir. Gen. Dist. Riego. Mem. Tec. 220, 22 p. Apr. 1965. 292.9 M572
For irrigation.
- 33622 CHECHENIN, M. E., ERMOLAEV, A. V., and PUGACHEV, G. A. New types of asbestos-cement tubes and coupling-type connections for irrigation and rural water supply. (Rus) *Gidrotekh. Melior.* 11:31-37. Nov. 1966. 290.8 G362
- 33623 CHERNENOK, V. YA. Some experience on use of deep buried drainage when draining peat bogs. (Rus) *Gidrotekh. Melior.* 11:19-24. Nov. 1966. 290.8 G362
- 33624 CHIEW, O. Y. H. Rivers in Malaya; their deterioration and remedial measures. Malaysian Agr. J. 45(1):17-20. Jan. 1965. 22.5 F312
Chiefly on erosion and erosion control.
- 33625 CONTI, A. On the problem of drainage between sand aquifers. (It) *Acqua Agr. Ig. Indus.* 44(2):47-53. Mar.-Apr. 1966. 290.8 A67
English summary.
- 33626 CRANE, J. B. Irrigating lowbush blueberries. Maine. Agr. Exp. Sta. Misc. Rep. 118:46-48. 1966. 100 M25M
- 33627 CROCKEWIT, J. H. Water research in 1965. (Du) *Aalsmeer. Proefsta. Bloemisterij. Jaarverslag* 1965:132-134. 85 A44
Includes irrigation water.
- 33628 CROOKE, H. W., TOUPS, J. M., and ALEY, T. J. Ground water recharge means "progress insurance" in Orange County, California. Water Sewage Works 112(7):257-261. July 1965. 290.8 M92
- 33629 DAVID, L. Problems of agricultural water supply in gravitational irrigation systems. (Hu) *Vizugyi Kozlem.* 3:379-390. 1966. 290.9 H89
- 33630 DIMITROV, G. Irrigation of a late tomato crop. (Bu) *Gradinarska Lozarska Nauk.* 2(2):193-203. Ref. 1965. 87 G75
English summary.
- 33631 ERDEI, S. Maintenance of irrigation equipment and results of irrigation. (Hu) *Magyar Mezogazdasag* 21(49):12-13. Dec. 7, 1966. 19 M27
- 33632 EWING, E. E., and others. The effect of permanent polyethylene film shelters on response of potatoes to irrigation. Amer. Soc. Hort. Sci. Proc. 88:458-465. 1966. 81 S012
F. N. Swader, G. Levine, and L. Farkas, joint authors.
- 33633 FETH, J. H. Reconnaissance survey of ground-water quality in the Great Basin. U. S. Geol. Surv. Prof. Pap. 550-D:D237-D241, map. Ref. 1966. 407 G29Pr
- 33634 FISCHBACH, P., and WITTMUSS, H. Automatic irrigation is here. *Crops Soils* 19(2):8-10. Nov. 1966. 6 W55
- 33635 FORKEL, H., and SCHIRACH, F. The influence of field surface conditions on the economics of irrigation. (Ge) *Deut. Landwirt.* 17(10):493-495. Oct. 1966. 18 D4822
Costs of irrigation systems.
- 33636 FRITCH, N. Irrigation by ridges. (Sp) *Agr. Ganad.* [Santiago] 9(31):3-5. Dec. 1965. 9.3 Ag88
Chile.
- 33637 GARDNER, B. D. Water for Utah; by plan or by accident. *Utah Farm Home Sci.* 27(2):78-81. June 1966. 100 UtiF
- 33638 GHISLENI, P. L. Refinement of the experimental methodology and agrotechnical applications in tomato irrigation. (It) *Turin. Accad. Agr. Ann.* 107:57-79. Ref. p. 76-79. 1964/65. 16 T63
- 33639 GLEW, S. C. Drainage. *Soil Water* 3(1):23-24. Sept. 1966. 56.8 S0323
New Zealand.
- 33640 GOLDBERG, D., SEMUELI, M., and GORNAT, B. Field experiments on consumptive water use and irrigation at Lotovata, 1934/35. (Ee) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 508, 27 p. Jan. 1935. 10. 225
English summary.
- 33641 GOOSSENS, A. Drainage of the witloof garden. (Fl) *Tuinbouwberichten* 30(2):53, 58. Feb. 1966. 80 T817
- 33642 CORINSKII, V. Irrigation of agricultural soils in the USA. (Rus) *Zemledelie* 10:72-75. Oct. 1966. 20 Z44
- 33643 GOSSUIN, E. The problem of supplementary irrigation in Belgium. (Fr) *Rev. Agr. [Brussels]* 19(10):1131-1142. Oct. 1966. 13 R322
- 33644 GRIFFIN, R. E., and LINDSAY, B. W. Community water development in Ashley Valley. *Utah Farm Home Sci.* 27(1):18-23, map. Mar. 1966. 100 UtiF
Irrigation project.
- 33645 GRIFFITH, IRRIGATION RESEARCH LABORATORY. Annual report, 1965-66. Griffith, 1966. 49 p., map. 55.9 G87A
- 33646 GUBAIDULLIN, S. A. Some experience on flushing saline soils in one of collective farms in Azerbaijan. (Rus) *Gidrotekh. Melior.* 11:7-13. Nov. 1966. 290.8 G362
- 33647 GUSPAN, J. Information on new soil improvement technique in the People's Republic Hungary. (Cz) *Pol'nohospodarstvo* 12(11):880-882. 1958. 19.5 P752
Chiefly drainage, liming and tillage.
- 33648 HAKANSSON, A. Stability of plastic drain pipes. (Sw) *Grundforbattering* 19(2):158-184. Ref. 1966. 54.8 G92
English summary.
- 33649 HALLGREN, G., and TJERNSTROM, R. Run-off from cultivated soil. (Sw) *Grundforbattering* 19(2):119-150, map. Ref. 1966. 54.8 G92
English summary.
- 33650 HORVATH, L. Large automated sprinkling irrigation plants in Hungary. (Ge) *Deut. Agrar- tech.* 16(11):500-501. Nov. 1966. 58.8 D482
- 33651 JEANJOT, J. The water problem in the Province of Luxembourg. (Fr) *Rev. Agr. [Brussels]* 19(10):1153-1162. Oct. 1966. 13 R322
Includes underground water and drainage.
- 33652 KIENITZ, G. Current research tasks of flatland water system. (Hu) *Vizugyi Kozlem.* 3:369-378. 1966. 290.9 H89
English summary, p. 79.
Includes agricultural aspects.
- 33653 KOZLOV, G. I. Soil improvement on the farms in Leningrad Region. (Rus) *Zemledelie* 10:22-24. Oct. 1966. 20 Z44
Chiefly irrigation and drainage of the field crop soils.
- 33654 LANDSBERG, J. J., and EDDY, D. S. Lucerne moisture requirements. II. Irrigation control with evaporation pans. *Rhodesia Agr. J.* 62(6):101-105. Ref. Nov./Dec. 1965. 24 R34

- LEE, L. B. The Canadian-American irrigation frontier, 1884-1914. *Agr. Hist.* 40(4):271-283. Ref. Oct.1966. 30.98 Ag8
- LEOPOLD, L. B., and DAVIS, K. S. Water. New York, Time, 1966. 200 p. Ref. (Life Science Library) GB671.L4
Includes underground water, erosion, and water in plant and animal life.
- MACK, H. J., and others. Effects of soil moisture and nitrogen fertilizer on pole beans. *Oreg. Agr. Exp. Sta. Tech. Bull.* 97, 28 p. Ref. Sept.1966. 100 Or3S
L. L. Boersma, J. W. Wolfe, W. A. Sistrunk, and D. D. Evans, joint authors.
Chiefly irrigation.
- MAKAROVA, A., and PONOMARENKO, P. Experience in soil reclamation. (Rus) *Zemledelie* 11:49-53. Nov.1966. 20 Z44
- MARCHANT, W. T. B. A machine for slitting plastic pipes. *J. Agr. Eng. Res.* 11(3):230-232. Sept.1966. 58.8 J82
In drainage.
- MEDRI, E. A hundred years of work destroyed in Maremma: damage to agriculture estimated at more than 16 billion. (It) *G. Agr.* 76(48):515, map. Nov.27,1966. 16 It1G
Floods.
- METLERKAMP, H. R. R. Early-season irrigation requirements of maize. *Rhodesia Agr. J.* 63(5):117. Sept./Oct.1966. 24 R34
- MONDAL, R. C., and JAIN, M. B. Prediction of concentration of various ions and sodium adsorption ratio from electrical conductivity for the well waters of western Rajasthan. *Indian Soc. Soil Sci.* 14(2):105-110. June 1966. 56.9 In2
In relation to irrigation water.
- MUSOLINO, G. Reclamation: epopee of the earth. (It) *Gior. Econ.* 7/8:874-884. July/Aug. 1966. 280.8 G432
History.
- NEVINS, T. H. F. The development of river control thought in New Zealand. *Soil Water* 3(1):10-13. Ref. Sept.1966. 56.8 So323
- OUWERKERK, J. H. VAN, and PETTE, D. A method of estimating stationary and saturated ground water currents. V. (Du) *Ned. Heide-maatsch. Tijdschr.* 77(7/8):292-313. July/Aug.1966. 12 N282
- PASQUALI, C. Supplementary irrigation of beets. (It) *Agr. Ferrarese* 70(7):137-141. July 31,1966. 16 Ag87
- PASTURE, E. Importance of irrigation water in horticulture. (Fl) *Tuinbouwberichten* 29 (12):511-513. Dec.1965. 80 T817
- POGGIALI, G. Buried "ring" tubing in an overhead irrigation system. (It) *Mercanzia* 21 (11):745-748. Nov.1966. 287 B635
- POSPELOV, A. M. Mobile and self-propelled sprinklers used abroad. (Rus) *Gidrotekh. Melior.* 11:51-57. Nov.1966. 290.8 G362
- POST, C. J. V. D., and LEEUWEN, J. C. VAN. Water discharge in glasshouse regions. (Du) *Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag* 1965:55-76. 86 N112J
English summary, p.3-4 of summary section.
- POULSEN, N. H. Tagmark: an example of reclamation in Thisted Province. (Da) *Hedeselsk. Tidsskr.* 86(14):337-342. Nov.15,1965. 11 H35
- QUEENSLAND, IRRIGATION AND WATER SUPPLY COMMISSION. Annual report, 1965-1966. Brisbane, Government Printer, 1966. 27 p., map. 55.9 Q3
- RANGAPPA, K. S. Irrigation and power before and after independence. *Mysore Econ Rev.* 51 (7/8):25-28, 30. 1966. 280.8 M994
- RAO, K. L. Utilisation of irrigation resources. *Agr. Situation India* 21(5):265-267. Aug.1966. 281.9 In23
- RICO, M. A. The soil in irrigation and drainage operations. (Sp) *Credito Rural* (ser.2)159: 7. Sept.1965. 284.28 C863
El Salvador.
- ROBINSON, A. R., and others. Irrigation notebook: what kind of ditches and pipelines should you have? *World Farming* 8(11):18-20. Nov. 1966. 30.08 W89
C. W. Lauritzen, D. C. Muckel, and J. T. Phelan, joint authors.
- SAL'NIKOV, M. P. Floating level regulator for buried irrigation systems. (Rus) *Gidrotekh. Melior.* 11:14-15. Nov.1966. 290.8 G362
- SCANDINAVIAN Seminar on Plastic Drainage Pipes. *Nord. Jordbrugsforsk.* 48(3):211-264. 1966. 11 N752
Papers in Danish, Norwegian and Swedish.
- SCHWARZ, K., and GERMAR, R. Selection, arrangement, and evaluation of sample systems for large area irrigation. (Ge) *Deut. Land-wirt.* 17(10):489-493. Ref. Oct.1966. 18 D4822
- SPEENGLER, O. A. *Gidroloricheski slovar' na inostrannykh yazykakh* [Hydrological dictionary - polyglot]. Ed. 2, enl. Leningrad, Gidrometeorologicheskoe Izdatel'stvo, 1966. 262 p. GB655.S65
- STAMM, G. G. The economics of desalinization. *Calif. State Ass. County Assessors, Pap. Presented Conf.* 63d Annu. Conf.:23-32. 1965. 284.59 C125
Includes costs for agricultural water use.
- TUSA, G. Reclamation societies. (It) *G. Agr.* 76(46):490,497. Nov.13,1966. 16 It1G
- ULDAL, B. Trickle irrigation of tomatoes. (No) *Gartneryrakt* 56(46):1033-1034. Nov.11, 1966. 80 G1338
- VERMES, L. Experiences with year-round sewage irrigation in Debrecen. (Hu) *Vizugyi Kozlem.* 3:355-367. 1966. 290.9 H89
- VOIGT, D. The economy of sprinkling irrigation. (Ge) *Deut. Agrartechnik.* 16(11):502-503. Nov.1966. 58.8 D482
Equipment costs.
- WISDOM, A. S. Land drainage. London, Sweet and Maxwell, 1966. 312 p. HD1683.G7W5

Erosion and Erosion Control

- ANTONOVIC, G. M. Soil types and erosion in the basins of Djetinja, Skrapez, Luznica and Moravica. (Se) *Arh. Poljoprivredne Nauk.* 19 (66):123-150, map. 1966. 21.5 Y9
English summary.
- ARMBRUST, D. V., and WELCH, N. H. Evaluation of Zingg conservation bench terraces on Amarillo fine sandy loam soil. *J. Soil Water Conserv.* 21(6):224-226. Nov./Dec.1966. 56.8 J822
In relation to water conservation and increased cotton yields in Texas.
- BALI, J. S. Construction profile analysis for soil conservation structures in hilly areas. *J. Soil Water Conserv.* 14(1/2):6-11. Jan./June 1966. 56.8 J824
- BRITT, C. S. Soil and water conservation research in the Northeastern States. U. S. D. A. Misc. Publ. 984, rev., 24 p., map. Nov.1966. 1 Ag84M
- CLARK, A. E. Looking ahead. *Soil Water* 3(1):28-29. Sept.1966. 56.8 So323
Chiefly soil and water conservation in New Zealand.
- DIETRICH, E. J. Erosion control on a meandering channel. *Public Works* 97(8):116-119. Aug.1966. 290.8 M922
- DUMAS, J. Relation between soil erosion and physical properties. (Fr) *France. Office Rech. Sci. Tech. Outre-Mer. Cah. O. R. S. T. O. M. Pedol.* 3(4):307-333. Ref. 1965. 56.9 F84
- FEKETE, Z., and SERF, L. Effect of vertical deep loosening of soil in the fruit orchard of Kamaraerd. (Hu) *Budapest. Kerteszert Szulesz. Fokola. Kozlomeyeni* 30(1):107-120. Ref. 1966. 80 B85
English summary.
Soil erosion study.

- 33695 FORCHY, P. Deforestation and reforestation; the beginnings of erosion control in the French Alps during the 19th century. (Fr) Rev. Forest. Franc. 7:467-487. Ref. July 1966. 99.8 R329
- 33696 GOEBEL, N. B., and BRUNER, M. H. Prescription planting on eroded land. Forest Farmer 26(1):8-9,14. Oct.1966. 99.9 F7692
- 33697 GRUBB, H. W., and TOLLEY, G. S. Benefits and costs of soil conservation in the South and its subregions. N. C. Agr. Exp. Sta. Tech. Bull. 172,58 p.,map. Ref. Apr.1966. 100 N81
- 33699 HURSH, C. R. Social aspects of land use, J. Soil Water Conserv. 21(6):217-220. Nov./Dec. 1966. 56.8 J822
Chiefly on soil erosion and conservation.
- 33699 KENT, R. L. Erosion control practices for Pacific Northwest wheat lands. J. Soil Water Conserv. 21(6):221-223. Ref. Nov./Dec.1966. 56.8 J822
- 33700 LESSIG, H. D. Landslide along highway in Vinton County, Ohio. J. Soil Water Conserv. 21(6):234-236. Nov./Dec.1966. 56.8 J822
- 33701 MAJUMDER, A. Soil conservation—a technological change in Indian agriculture. Agr. Situation India 21(4):193-199. July 1966. 281.9 In23
- 33702 MEACHEN, E. P. Promotion and history of legislation of soil conservation and rivers control. Soil Water 3(1):8. Sept.1966. 56.8 So323
- 33703 MONNET, P. History of the past for the use of a future generation. (Fr) Rev. Forest. Franc. 7:453-466. July 1966. 99.8 R329
Stream correction in mountain areas to control erosion.
- 33704 NEWNHAM, W. L. The S.C. [Soil Conservation] and R.C. [Rivers Control] Act, 1941. Soil Water 3(1):5-7. Sept.1966. 56.8 So323
Progress in soil conservation and flood control in New Zealand since 1941.
- 33705 POPESCU, R. Elaboration of studies on the control of soil erosion in hydrographical basins. (Rum) Probl. Agr. [Bucharest] 18(8):52-56. Aug.1966. 21 R862
- 33706 RAO, M. S. V. R. Water-shed control of river valley projects. J. Soil Water Conserv. India 14(1/2):1-5. Jan./June 1966. 56.8 J824
Chiefly on soil conservation measures.
- 33707 SEWELL, J. I., HAZLEWOOD, B. P., and MC-CUTCHEN, T. C. Sedimentation and erosion in two west Tennessee ditches. Tenn. Farm Home Sci. Progr. Rep. 59:2-3. July/Sept.1966. 100 T25F
- 33709 THAMDRUP, H. M. Conservation work and its aim here. (Da) Hedeselsk. Tidsskr. 86(15):349-356. Dec.10,1965. 11 H35
Includes soil conservation.
- 33709 U. S. AGRICULTURAL RESEARCH SERV. SOIL AND WATER CONSERVATION RESEARCH DIV. NORTHERN PLAINS BR. Conservation research at the Central Great Plains Field Station, Akron, Colorado, by B. W. Greb. and R. H. Mickelson. Akron, Colorado, 1965. 16 p.,map. aS622.A5U5
Colorado Agricultural Experiment Station, cooperating.
- 33710 U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Soil and water conservation report, Ecuador, by L. G. Wolfe. April-June, 1966. Lincoln, Nebraska, 1966. 40 p.,map. aS599.E2W6
- 33711 U. S. SOIL CONSERVATION SERV. Soil conservation districts: what they are, how they work, how SCS helps them. U. S. D. A. PA-417, slightly rev., 8 p.,map. Nov.1966. 1 Ag84Pro
- 33712 U. S. SOIL CONSERVATION SERV. Students—start your career in SCS before you graduate. U. S. D. A. Misc. Publ. 714, rev., 8 p.-folder. Sept.1966. 1 Ag84M

Sanitation

- 33713 BRAVENBOER, L., and NEDERPEL, L. Soil sterilization by steam with the aid of buried plastic pipes. (Du) Naaldwijk. Proefsta. Groenten- Fruitteelt Onder Glas. Jaarverslag 1965:159-165. 86 N112J
English summary, p.9 of summary section.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 33714 BLUM, B. G. Effectiveness of complex fertilizers prepared on the basis of urea-formaldehyde compounds. (Rus) Agrokimiya 1:20-26. Ref. Jan.1966. 385 Ag89
- 33715 LUIT, B. VAN. Comparison of copper slag and ground copper sulfate on grassland. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 23(5):176-178. May 1966. 12 N383M

Mineral Soil Amendments

- 33716 PARFITT, R. L., and ELLIS, B. G. Studies on Michigan agricultural limestones. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):12-23. Ref. Aug. 1966. 100 M58S
- 33717 SZERSZEN, B. The mineral fertilizer supply for agriculture in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 451:19-23. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
In Poland.
Translation from Wiadomości Melioracyjne i Lakarskie. 2:42-43. Mar./Apr.1966.
Issued by CFSTI.

Fertilizer Technology and Statistics

- 33719 ACIMOVIC, V. The manufacture of compound fertilizers from the single ones. (Se) Agro-hemija 1/2:53-61. 1966. 385 Ag87
- 33719 AGRICULTURAL AMMONIA NEWS. Buyers' guide 1967. Agr. Ammonia News 17(1):73-74, 76,78,80-89,92-94,96-100. Jan./Feb.1967. 381 Ag82
- 33720 ASSOCIATION OF THE AMERICAN FERTILIZER CONTROL OFFICIALS. COMMITTEE ON FERTILIZER GUARANTEES AND TOLERANCES. Laboratory variations in the analysis of fertilizers. Ass. Offic. Anal. Chem. J. 49(5):915-943. Oct.1966. 381 As7
By F. W. Quackenbush, R. C. Rund, and S. R. Miles.
- 33721 BEKIUS, J. T. Fertilizer supplies for the new season. (Du) Bron 11(9):3. Nov.1965. 280.28 B78
- 33722 CANADA. BUR. OF STATISTICS. Manufacturers of mixed fertilizers, 1964. Ottawa, 1966. 18 p. (Annual Census of Manufactures) 253 C335Man
- 33723 CEDRON PACHECO, A., and BOZA BARDUCCI, T. The problem of phosphorus and calcium in the soils of the coastal valleys of Peru and its solution: project for regulating the sale of commercial fertilizers in Peru. (Sp) Vida Agr. [Lima] 42(501):411-413,415-436. Ref., p.424-426. 1965. 9.8 V66
- 33724 CORPORACION NACIONAL DE FERTILIZANTES (PERU). Memoria anual [Annual report], 1965. Lima, 1965. 108 p.,map. 57.9 C73
Fertilizer statistics and technology.
- 33725 EICHLER, J. Phosphate resources in the world. (Ge) Phosphorsaur 26(3/4):133-141, map. Ref. 1966. 57.8 P563
Includes consumption of phosphate fertilizers.

- 33726 EWALD, G. Use of chemicals in agriculture—a vital measure for stepping up agricultural output. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 490: 12-18. Nov. 15, 1966. (JPRS 38,635; TT 66-35060) 173 J663Ste
With special reference to fertilizers.
Translation from *Feldwirtschaft* 10:509-511. Oct. 1966.
Issued by CFSTI.
- 33727 GLINTIC, M. Tests with the behavior of various forms of phosphorus in compound fertilizers. (Se) *Agronomija* 3/4:130-140. Ref. 1966. 385 Ag87
English summary.
- 33728 JOHNSON, A. Big future for fertilisers. *Pow-er Farming Australia New Zeal. Better Farming Dig.* 75(11):4-6,85,91. Nov. 1966. 58.8 P87
- 33729 KUNDLER, P., MEIER, B., and TURNHEIM, G. Problems of industry-style organization of chemical fertilizer use. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 490:19-29. Nov. 15, 1966. (JPRS 38,635; TT 66-35060) 173 J663Ste
Installations for handling fertilizers, and costs.
Translation from *Feldwirtschaft* 10:511-515. Oct. 1966.
Issued by CFSTI.
- 33730 MALQUORI, A. Optimal returns with chemical fertilizers. (It) *Prog. Agr. [Bologna]* 12(10): 965-970. Oct. 1966. 58.8 P94
- 33731 PITZER, S. L., and DUKE, C. Economy and safety in transferring NH₃. *Agr. Ammonia News* 17(1):30-31. Jan./Feb. 1967. 381 Ag82
- 33732 RICKLES, R. Future inorganic chemical growth patterns, 1970 & 1980. Park Ridge, N. J., Noyes Development Corporation, 1966. 100 p. TP200.R5
Includes phosphate fertilizers.
- 33733 SCHMITZ, F. J. The trend to complete fertilizers grows stronger. (Ge) *Raiffeisen-Rundschau* 18(2):65-66. Feb. 1966. 284.28 R132
- Manures and Composts
- 33734 ANTIC, M., VESELINOVIC, N., and ANDJEL-KOVIC, L. Preparation of composts from the cornstalks and their chemical and microbiological properties. (Se) *Agronomija* 5/6:209-213. 1966. 385 Ag87
- 33735 ARNOTT, G. W. Malayan bat guano. *Malayan Agr. J.* 45(3):245-257. Ref. Jan. 1966. 22.5 F312
- 33736 GROH, A. W. Straw and nitrogen=humus. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(46):1704, 1706. Nov. 17, 1966. 18 N39
- 33737 HOARD'S Dairyman round table: This liquid manure system works. *Hoard's Dairyman* 112(1):16-18. Jan. 10, 1967. 44.8 H65
Handling and storing.
- 33738 RHATIGAN, L. Peat development by Bord na Mona. *Chem. Indus.* 45:1872-1878. Nov. 5, 1966. 382 M31C
Use and reclamation of bogs to produce soil conditioners, and litter.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 33739 ADVANCES in applied microbiology. Volume 8, edited by W. W. Umbreit. New York, Academic Press, 1966. 377 p. Ref. 446.2 Um1
- 33740 AKADEMIYA NAUK SSSR, INSTITUT GEOGRAFI. Kavkaz [Caucasus]. Moskva, Nauka, 1966. 481 p.,map. (Prirodnye Usloviya i Estestvennye Resursy SSSR) GB239.C3A35
Bibliography, p.446-470.
Natural resources, includes surveys of soils and vegetation.
- 33741 ALAGESAN, O. V. Role of pesticides in agriculture, (Excerpts). Madras Inform. 21(11): 30-32. Nov.1966. 280.8 M26
Industry.
- 33742 ALTMAN, P. L., and DITTMER, D. S., ed. Environmental biology. Bethesda, Maryland, Federation of American Societies for Experimental Biology, 1966. 694 p. (Biological Handbooks) QH310.A4
Includes plants, livestock, and insects.
- 33743 ANNUAL review of microbiology. Volume 20, edited by C. E. Clifton, S. Raffel, and M. P. Starr. Palo Alto, 1966. 457 p. 448.3 An72
Includes cumulative indexes, vol. 16-20; index of contributing authors; subject index and index of chapter titles, p.425-457.
- 33744 BAHAMAS. MINISTRY OF AGRICULTURE AND FISHERIES. Annual report for the year ending 31st December, 1965. Nassau, [1966]. 25 p. 8 B142
- 33745 BAYLIS, L. E. Living control systems. San Francisco, Freeman, 1966. 189 p. QH508.B3
Biological clocks in plants, animals, and insects.
- 33746 BINGHAM, C. D. Rural biology. London, Heinemann Educational Books, 1965. 124 p. Ref. QH315.B5
- 33747 CARLSON, E. A. The gene: a critical history. Philadelphia, Saunders, 1966. 301 p. QH431.C3
Bibliography, p.273-287.
- 33748 CONN, E. E., and STUMPF, P. K. Outlines of biochemistry. Ed. 2. New York, Wiley, 1966. 468 p. Ref. QP514.C6
- 33749 FORD almanac 1967, edited by J. Strohman. New York, Golden Press, 1966. 177 p.,map. 30.3 F75
- 33750 GREAT BRITAIN, AGRICULTURAL RESEARCH COUNCIL, RADIOBIOLOGICAL LABORATORY. Annual report 1965-66. Great Brit. Agr. Res. Council. Radiobiol. Lab. Rep. ARCRL 16,73 p. Ref. Sept.1966. 334.9 G792
Pt. 1, Radioactivity in human diet; pt. 2, Surveys of environmental radioactivity; pt. 3, Experimental studies.
Includes radiation effects on plants and movements of ions in soils.
- 33751 HANNUM, E. Montana's recreation challenge. Mont. Bus. Quart. 4(4):54-63. Fall 1966. 260.8 M762
Resource conservation.
- 33752 IOWA, DEPT. OF AGRICULTURE. Seventh biennial report of Iowa book of agriculture, 1964-1965. Des Moines, 1966. 324 p.,map. 2 I99Ra
- 33753 ISRAEL CHEMICAL SOCIETY. Proceedings of the XXXVI meeting, Tel Aviv, October 1966. Israel J. Chem. 4(1a),111 p. Oct.1966. 385 Is7
Includes summaries of papers relating to agricultural subjects.
- 33754 JAMTLANDS LANS HUSHALLNINGSSALSKAP. Handlingar [Proceedings of Jamtland Province Agricultural Society], 1966. 138 p. Osterund, 1966. 138 p. 11 J24

- 33755 KEILIN, D. The history of cell respiration and cytochrome. Cambridge, Cambridge University Press, 1966. 416 p. QP121.K4
Bibliography, p.360-399.
Includes plants, insects, and animals.
- 33756 KLEINER, I. S., and ORTEN, J. M. Biochemistry. Ed. 7. Saint Louis, Mosby, 1966. 911 p. Ref. QP514.K6
- 33757 LANDWIRTSCHAFTSKAMMER SCHLESWIG-HOLSTEIN, LANDWIRTSCHAFTLICHE UNTERSUCHUNGS- UND FORSCHUNGSANSTALT. Bericht, für die Zeit vom 1. Juli 1963 bis 30. Juni 1964 [Report for the period from July 1, 1963 to June 30, 1964]. Kiel, 1965. 52 p. 18 K54
Analysis of soils, fertilizers, feeds, seeds, and other production.
- 33758 LEHKER, G. Pesticide safety. Arborist's News 31(11):81-87. Nov.1966. 99.8 Ar14
- 33759 LEMMON, A. B. Regulatory views on chemical use and abuse. Nat. Inst. Anim. Agr. Proc. 16: 25-33. 1966. 49.9 N219
Chiefly economic poisons.
Includes discussion.
- 33760 LOUISIANA, DEPT. OF AGRICULTURE. DIV. OF AGRICULTURAL CHEMISTRY. Annual report, July 1965-June 1966: fertilizers, feeds, pesticides. Baton Rouge? 1966. 146 p. 381 L932
- 33761 MALAYSIA, DIV. OF AGRICULTURE. Annual report for the year 1963, by M. B. Jamil. Kuala Lumpur, 1966. 82 p. 22.5 F31R
- 33762 MCINTOSH, R. W. Recruiting and training employees in the service industries. Mich. State Univ. Ext. Ext. Bull. 484,16 p. July 1966. 275.29 M58B
Tourism.
- 33763 NATIONAL RESEARCH COUNCIL, DIV. OF CHEMISTRY AND CHEMICAL TECHNOLOGY. Annual report, July 1965-June 1966. Washington, D. C., 1966. 70 p. 381 N218A
Includes biological and fats and oils chemistry.
- 33764 NORRBOTTENS LANS HUSHALLNINGS-SALLSKAP. Handlingar [Proceedings of the Agricultural Society of Norrbotten Province], 1965. Lulea, 1966. 104 p. 11 N79
- 33765 NORRKE MYRSELSKAP. Annual report and accounts of the Norwegian Heath Society, 1965, by Aasuly Løddesol. (No) Norske Myrseisk. Medd. 64(2):29-51. Apr.1966. 11 N813
- 33766 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. 25th general report, year ended 31st March 1966. Belfast, 1966. 138 p. 10 N81A
- 33767 OREGON. DEPT. OF AGRICULTURE. Biennial report 1964-1966. Oreg. Agrirec. 232,47 p. Dec.1966. 2 Or3
- 33768 PILLAR, L. Fish culture-fish marketing. (Hu) Magyar Mezogazdasag 21(51):15-16. Dec.21,1966. 19 M27
- 33769 SABAH, MALAYSIA. DEPT. OF AGRICULTURE. Annual report for the year 1964. n.p., [1966]. 133 p.,map. 22.5 B64
- 33770 SEGERS, M. Belgian achievements in conservation of natural resources; official and private action. (Fr) Rev. Agr. [Brussels] 19(10):1095-1100. Oct.1966. 13 R322
- 33771 SKARABORGS LANS HUSHALLNINGSSALLSKAP. Arsberrättelse [Annual report of Skaraborg Province Agricultural Society], 1965. Skara, 1966. 99 p. 11 Sk1Ar
- 33772 SKOGS- OCH LANTBRUKSAKADEMIEN. List of publications of Swedish Research Institutions in Agriculture, horticulture, forestry and related fields. (Sw) Skogs- Lantbruksakad. Tidskr. 105(5):258-299. 1966. 104 Sw3
In cooperation with Jordbrukets Upplysningsnamnd.

- 33773 STEELE, H. A. Economic considerations in formulation of natural resource policies. *J. Farm Econ.* 48(5):1232-1241. Dec.1966. 280.8 J822
Includes discussion by S. C. Smith.
- 33774 SUDTIROLER Bauern-Kalender für das Jahr 1967, 21. Jahrgang [South Tirol farmers' almanac for the year 1967, 21 volume]. Bolzano, 1966. 210 p. 16 Su2
- 33775 SUGIMOTO, Y. Production of agricultural chemicals in Japan. *Jap. Chem. Quart.* 2(2):38-41. Apr.1966. HD9657.J3J3
- 33776 SYLVESTRE, The reform of the Ministry of Agriculture. (Fr) *Chambres Agr.* 36(325, reforme du ministère de l'agriculture), 23 p. Oct.1, 1965. 14 T69
- 33777 TAGLE CAVIERES, V., and BARRERA MATURANA, C. Pesticidas [Pesticides]. Ed. 3, rev. Santiago, Chile, Instituto de Investigaciones Agropecuarias, 1966. 223 p. Ref. SB951.T3
- 33778 TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Pesticide, seed and fertilizer, dealers' meetings, February 14-March 11, 1966. Tenn. Univ. Ext. SP 153, 6 p.-folder. 1966. 275.29 T25Sp
Program only.
- 33779 TRUMBORE, R. H. The cell; chemistry and function. Saint Louis, Mosby, 1966. 412 p. Ref. QH581.T7
Plants, animals and insects.
- 33780 VEGA A, F. Comments on the publication "Price indexes of the supplies of agricultural products." (Sp) *Agr. Ganad.* [Santiago] 9(31): 6-8. Dec.1965. 9.3 Ag88
Farm supplies in Chile.
- 33781 VIRGINIA, DEPT. OF AGRICULTURE. The 1965-66 year in review. Va. Dep. Agr. Bull. 672, 33 p. Nov.1966. 2 V81B
- 33782 VOVK, YU. A. Pravovoe regulirovanie material'no-tekhnicheskogo snabzheniya sel'skogo khozyaystva [Legislation concerning material and technical farm supplies]. Moskva, Yuridicheskaya Literatura, 1965. 78 p. HD712.V6
- 33783 WILL SUPPLIES of crop chemicals be adequate for spring demands? *Feed Farm Supplier* 40 (11):28-30. Nov.1966. 47.80 H28
Opinions expressed of company representatives on economic poison situation.
- 33784 WINGARD, R. G., STUDHOLME, C. R., and SHARP, W. M. Pennsylvania wildlife resources: animal tracks. Penn. State Univ. Ext. Leaflet 291, 4 p. Sept.1966. 275.29 P38L

BIOGRAPHY

- 33785 A. BRINK-Jensen, (Da) *Hedelsk. Tidsskr.* 86(14):328-329. Nov.15, 1965. 11 H35
Neurology.
- 33786 AGRICULTURAL medal to agricultural engineer Ubaldo C. Garcia. (Sp) *Agr. Amer.* 15 (8):57. Aug.1966. 58.8 Ag832
Medalla Agricola Interamericana for 1966.
- 33787 AKE NORLEN, (Sw) *Skogs- Lantbruksakad. Tidsskr.* 105(5):255. 1966. 104 Sw3
Neurology.
- 33788 ALVANSKAYA, N. S., VERNANDER, T. B., and KRYLOV A. I. L. Georgii Vladimirovich Mikeshin. (Rus) *Bot. Zhur.* [Moscow] 51(11): 1664-1668. Nov.1966. 451 R923
Includes list of works.
- 33789 ANDERSEN, S. A. Mads Clausen, October 20, 1905-August 27, 1966. (Da) *Kulde* 20(5):57-58. Oct.1966. 295.8 K95
- 33790 ANNIVERSARY of the fruit breeder. (Rus) *Sa-dovodstvo* 11:46. Nov.1966. 80 Sa13
L. M. Sergeev.
- 33791 ARNAUD, P. H. Carl John Drake 28 July 1885-2 October 1965. *Pan-Pacific Entomol.* 42(3):244-245. July 1966. 421 P193
- 33792 AVMA'S new executive secretary: Dr. M. R. Clarkson. *Amer. Vet. Med. Ass. J.* 149(8): 1113-1114. Oct.15, 1966. 41.8 Am3
- 33793 B. HOJMARK. (Da) *Hedelsk. Tidsskr.* 86 (14):336-337. Nov.15, 1965. 11 H35
Neurology.
- 33794 B. C. EASTICK, B. V. Sc., R. D. A., President, The Australian Veterinary Association, 1966-1967. *Australian Vet. J.* 42(11):397. Nov.1966. 41.8 Au72
- 33795 BARONE, R. Funeral eulogy of director German Peres. (Fr) *Lyon. Soc. Sci. Vet. Bull.* 68(3):185-188. 1966. 41.9 L99
- 33796 BERTIL Nilsson in memoriam. (Sw) *Svensk Frotidn.* 35(1):13-14. Jan.15, 1966. 61.8 Sv2
- 33797 BONADONNA, T. Cesare Gustavo Faravelli has died. (It) *Clin. Vet.* 89(8):264. Aug.1966. 41.8 C61
- 33798 BONDE, G. Erik Akerberg will be 60 years old. (Sw) *Svensk Frotidn.* 35(1):12-13. Jan.15, 1966. 61.8 Sv2
- 33799 BROWN, L., and MCKINNON, A. D. Captain Inches Campbell Walker, New Zealand's first conservator of forest. *New Zeal. Forest Serv. Inform. Ser.* 54, 23 p., map. 1966. 99.9 N49f
- 33800 BRUNDIN, L. In memoriam of Richard Frey. (Sw) *Entomol. Tidsskr.* 86(1/2):68. 1965. 421 En891
- 33801 BRUNDIN, L. In memoriam of Rolf Krogerus. (Sw) *Entomol. Tidsskr.* 86(1/2):69-70. 1965. 421 En891
- 33802 CANDIANI, G. R. Commemoration of the Academician Professor Doctor Claudio Marani. (It) *Turin. Accad. Agr. Ann.* 107:333-341. 1964/65. 16 T63
- 33803 CELIDONIO, C. In memory of Prof. Dr. Giovanni Jacometti. (It) *Turin. Accad. Agr. Ann.* 107:355-367. 1964/65. 16 T63
- 33804 DEXTER, A. K. G. W. E. Nicholson. Forest Farmer 26(3):11-12. Dec.1966. 99.8 F7692
Biography.
- 33805 DIXON, M., and TATE, P. David Keilin, 1887-1963. *J. Gen. Microbiol.* 45(2):159-185. Nov.1966. 448.3 J823
Includes list of publications.
- 33806 DOBROCHAEVA, D. N., and ZAVERUKHA, B. V. Mikhail Vasil'evich Klokov. (Rus) *Bot. Zhur.* [Moscow] 51(11):1672-1678. Nov. 1966. 451 R923
Includes list of works.
- 33807 DOBZHANSKII, B. In memory of A. Musero-vich. (Rus) *Pochovovedenie* 11:126-127. Nov. 1966. 57.8 P34
- 33808 DOSTAL, R., HRUBY, K., and SOSNA, M. Academician Bohumil Nemecek (*12.3.1873 7.4.1966). *Biol. Plant.* 8(5):321-325. 1966. 450 B52
Includes list of publications.
- 33809 DOTTI, F. We honor Tommaso Baldassarri. (It) *Agr. Ferrarese* 70(8):157-159. Aug.31, 1966. 16 Ag87
- 33810 DR. ENRIQUE Perez Catan, 1916-1966. (Sp) *Rev. Med. Vet.* [Buenos Aires] 47(5):361. Sept./Oct.1966. 41.8 B86
- 33811 DR. JOHANNES Dzierzon, the eminent pioneer beekeeper. (Ge) *Schweiz. Bienen-Zeitung* (n.s.) 89(11):525-526. Nov.1966. 424.8 Sch9
- 33812 EDMUNDS, G. F. Willis C. Day 1894-1965. *Pan-Pacific Entomol.* 42(3):164-167. July 1966. 421 P193
- 33813 EFRAIM Wretling. (Sw) *Skogs- Lantbruksakad. Tidsskr.* 105(5):252-253. 1966. 104 Sw3
Neurology.
- 33814 80TH ANNIVERSARY of G. S. Inikhow. (Rus) *Moloch. Prom.* 12:23-24. Dec.1966. 44.8 M734
- 33815 EMIL Johansson. (Sw) *Skogs- Lantbruksakad. Tidsskr.* 105(5):257. 1966. 104 Sw3
Neurology.
- 33816 ENGINEER Rudolf Pechacek. (Ge) *Deut. Agrartechn.* 13(11):487. Nov.1966. 58.8 D482
- 33817 EYNDHOVEN, G. L. VAN. Some details about the life and work of A. C. Oudemans. *Acarologia* 7(4):589-593. Ref. Oct.1965. 434.8 Ac1

- 33818 FADIGA, E. Giuseppe Borgatti. (It) Arch. Vet. Ital. 17(5):321-322. Oct.31,1966. 41.8 Ar25
- 33819 FEDOR Osipovich Zitta. (Rus) Gidrotekh. Melior. 11:61-62. Nov.1966. 290.8 G362
- 33820 FNN Lie will be 70 years old December 6. (No) Norsk Skogindus. 20(11):486-487. Nov. 1966. 99.82 N81
- 33821 FORREST F. Hill. J. Farm Econ. 48(5):6-7. Dec.1966. 280.8 J822
- 33822 FRUTCHHEY, C. W. Lyman E. W. Grigh. honored. Amer. Potato J. 43(8):303-304. Aug.1966. 75.8 P842
- 33823 GAINES Award to Dr. Pearson. Iowa Vet. 37 (5):11. Sept./Oct.1966. 41.8 I69
Given to Dr. Phillip D. Pearson, by the Gaines Dog Research Center of New York City.
- 33824 GEORGE, E. Brandon. J. Farm Econ. 48(5):4-5. Dec.1966. 280.8 J822
- 33825 GORDON Van Vleck—California's livestock man of the year. Calif. Cattleman 49(10):8. Oct. 1966. 43.8 C12
- 33826 GRIBAUDI, F. In memory of Attilio Garino Canina. (It) Turin. Accad. Agr. Ann. 107:325-331. 1964/65. 16 T63
- 33827 HALLGREN, G. Erik Almqvist. (Sw) Grundforbattering 19(1):117. 1966. 54.8 G92
- 33828 HANS T. Kiaer will be 75 years old, December 9. (No) Norsk Skogindus. 20(11):486. Nov. 1966. 99.82 N81
- 33829 HANSSON, A. Nils Pellmyr will be fifty years old. (Sw) Bitidningen 65(11):330. Nov.1966. 424.8 B54
- 33830 HAUPTMAN, B. Dr. Ryszard Anderle. (Pol) Med. Weter. 22(5):320. May 1966. 41.8 M463
Obituary.
- 33831 HEIBERG, H. H. In memory of Sven Bugge. (No) Norsk Skogbruk 11(18):597. Sept.1965. 99.8 N815
- 33832 HILLER, I. In remembrance of the Hungarian forester Karoly Kaan. (Ge) Arch. Forstwesen 15(8):817-824. 1966. 99.8 Ar22
English summary.
- 33833 ISAAC Henry Burkill. Malaysian Agr. J. 45 (2):216. July 1965. 22.5 F312
- 33834 JENSEN, K. F. Edward Koefoed in memoriam. (Da) Dansk Landbrug 85(12):346. Dec.1966. 280.28 V91
- 33835 JEPPESEN, M. Chr. Speeggers will be 60 years old. (Da) Maelkeritidende 79(46):989-990. Nov.18,1966. 44.8 M26
- 33836 JEPPESEN, M. Inge Mork. Norway, is dead. (Da) Maelkeritidende 79(45):981-982. Nov.11, 1966. 44.8 M26
- 33837 JOHAN Kjelsberg will be 75 years old. (No) Meieriposten 55(45):968-969. Nov.12,1966. 44.8 M47
- 33838 JONES, G. N. Charles Frederick Hottes (1870-1966). Ill. State Acad. Sci. Trans. 59(4):303-304. 1966. 500 IL6
- 33839 K. E. LILJEBERG in memoriam. (Sw) Suomen Elainlaakarilehti 72(9):362-363. Sept.1966. 41.8 F49
- 33840 KOENIG, A. In memoriam. (Ge) Deut. Entomol. Ges. Mitt. 24(3):42-43. July 31,1965. 420 D482
Franz Lengersdorf.
- 33841 KOIDL, Hofrat I. R. Dipl. Ing. Anton Haiden died. (Ge) Allg. Forstzeitung 77(11):240-241. Nov.1966. 99.8 AL53
- 33842 KOLLMANN, F. Professor Dr. Ing. habil. Karl Egner is 60 years old. (Ge) Holz Roh-Werkstoff 24(11):563-566. Nov.1966. 99.81 H74
Includes list of publications.
- 33843 KORRINGA, P. In memoriam: Dr. N. L. Wibaut-Isebre Moens. (Du) Vakbl. Biol. 46(1): 11. Jan.1966. 442.8 V22
- 33844 KOWALAK, T. Stanislaw Staszcz—the precursor of Polish co-operation. Polish Co-op. Rev. 5:16-25. Oct.1966. 280.8 P756
- 33845 KOZHINA, I. S., and KOZHIN, S. A. In memory of G. V. Pigulevskii. (Rus) Rastitel. Resursy 1(2):288-230. 1965. 450 R18
Includes list of works.
- 33846 KUDLAC, E. Prof. MVDr. Emil Pribyl, Dr. Sc., founder and creator of the Czechoslovak School of Veterinary Obstetrics, Gynecology and Insemination. (Cz) Veterinarství 16(8): 337-338. 1966. 41.8 V6439
In honor of his 70th birthday.
- 33847 LAWRENCE W. Witt. J. Farm Econ. 48(5):8. Dec.1966. 280.8 J822
- 33848 LEBEDEV, D. V., and LOMAGIN, A. G. Vladimir Yakovlevich Aleksandrov, 60th anniversary. (Rus) Bot. Zhur. [Moscow] 51(11):1669-1672. Oct.1966. 451 R923
- 33849 LEMBKE, A. Address on the occasion of awarding the Hermann-Weigmann-Medal to Professor Dr. T. Nakanishi, 20. 7. 1966 in Kiel. (Ge) Milchwissenschaft 21(10):609-610. Oct. 1966. 44.8 M5933
- 33850 LIVEROVSKII, YU. K. P. Bogatyrev. (Rus) Pochvovedenie 11:128-129. Nov.1966. 57.8 P34
- 33851 MADSEN, E. Magnus D. Christiansen, October 20, 1882-July 21, 1965. (Da) Dansk Naturhist. For. Videnskabelige Meddelelser 128:XXXIII-XXXVIII. 1965. 502 D232
Includes list of publications.
- 33852 MASOERO, P. The life and work of Renzo Giuliani. (It) Turin. Accad. Agr. Ann. 107:311-324. 1964/65. 16 T63
- 33853 MAURIZIO, A. In honor of the 80th birthday of Professor Dr. Otto Morgenthaler. (Ge) Deut. Bienenwirtsch. 17(10):269-271. Oct.1966. 424.8 D489
- 33854 MIKHAIL Vasil'evich Kolpikov. (Rus) Les. Zh. 2:175. 1965. 99.8 L28
- 33855 MOLLER, K. K. Anders Christian Olaf Nors. 12.27.1936-5.3.1966. (Da) Danske Dyrlaegerfor. Medlemsbl. 49(12):527. June 15,1966. 41.9 D23
- 33856 NELSON, L. On George Edgar Vincent: rural social scientist. Rural Sociol. 31(4):478-482. Dec.1966. 281.28 R88
- 33857 NEW HEAD appointed for Plant Science Department. Utah Farm Home Sci. 27(3):103. Sept.1966. 100 UT1F
Dr. Frank B. Salisbury.
- 33858 NIELSEN, B. Carl Christian Matthiessen. 10.2.1910-4.18.1966. (Da) Danske Dyrlaegerfor. Medlemsbl. 49(12):526-527. June 15,1966. 41.9 D23
- 33859 O. GLAERUM. (No) Norske Myrselsk. Medd. 64(2):57-58. Apr.1966. 11 N813
- 33860 OBITUARY; Frank Young Henderson, 1894-1966. Inst. Wood Sci. J. 17:5-6. Nov.1966. 99.82 In7
- 33861 OBITUARY; Major D. J. Brodie. Scot. Forest. 20(4):295-296. Oct.1966. 99.8 Sco3
- 33862 O'BRIEN, M. Lawrence A. Schaal honored. Amer. Potato J. 43(8):299-300. Aug.1966. 75.8 P842
- 33863 OLDENICO, G. D. D'. Official commemoration of the mourned Academician Doctor Professor Luigi Ollivero (1903-1964). (It) Turin. Accad. Agr. Ann. 107:343-354. 1964/65. 16 T63
- 33864 OLOF Jonasson. (Sw) Skogs- Lantbruksakad. Tidskr. 105(5):251-252. 1966. 104 Sw3
Necrology.
- 33865 ORRMELL, A. Hilding Bergstrom in memoriam. *November 8, 1880-+November 13, 1966. (Sw) Svensk Papperstidn. 69(22):808. Nov.30, 1966. 302.8 Sv2
- 33866 OSIPOVA, O. P., and ZAPROMETOV, M. N. Norair Martirosovich Sisakyan, 1907-1966. (Rus) Fiziol. Rast. 13(3):556-557. May/June 1966. 450 F58
- 33867 PAUL Claus. (Ge) Weinberg Keller 13(4):182-183. Apr.1966. 95.8 W435

- 33868 PERKIEWICZ, E. Our Kanitz. (Ge) Deut. Bienenwirtsch. 17(10):287-288. Oct. 1966. 424.8 D489
Johann Gottlieb Kanitz (1816-1899).
- 33869 PIEKARSKI, G. 70th anniversary of Dr. h. c. Rudolf Wetzel. (Ge) Z. Parasitenk 26(1):I-II. 1965. 442.8 Z33F
- 33870 PORFIR'EV, V. S. Andrei Yakovlevich Gordyagin (to the centenary of his birthday). (Rus) Bot. Zhur. 51(7):1035-1038. July 1966. 451 R923
- 33871 PRESIDENT of the British Veterinary Association 1965-67 Mr. F. V. John, M.R.C.V.S., D.V.S.M. (Vict.). Vet. Rec. 79(14):386. Oct. 1, 1966. 41.8 V641
- 33872 PROFESSOR Dr. Hugo Keller died. (Ge) Wien. Tierarztl. Monatsschr. 53(9):640. Sept. 1966. 41.8 T345
- 33873 A PROMINENT Soviet plant breeder. (Rus) Zemledelie 11:63. Nov. 1966. 20 Z44
N. A. Maisuriyan.
- 33874 RASMUSSEN, A. O. Helmer Rasmussen is 60 years old. (Da) Dansk Landbrug 85(11):321-322. Nov. 1966. 280.28 V91
- 33875 RUDOLPH, J. Rev. Anselm [M.] Keefe—an amazing man. Biologist 48(1/2):3-8. Jan. 1966. 442.8 B5263
- 33876 RUDOLF Tornerhjelm. (Sw) Skogs- Lantbruksakad. Tidskr. 105(5):254-255. 1966. 104 Sw3
Necrology.
- 33877 SAN GERMANO, C. S. M. DI. Commemoration of the Academician Count Dr. Eugenio della Chiesa of Cervignasco. (It) Turin. Accad. Agr. Ann. 107:305-309. 1964/65. 16 T63
- 33878 SCHRADER, T. Hans Herberg. (Ge) Weinberg Keller 13(4):181-182. Apr. 1966. 95.8 W435
- 33879 STATION receives new Director. Utah Farm Home Sci. 27(3):87. Sept. 1966. 100 UT1F
Dr. K. W. Hill.
- 33880 STEINHAUSEN, W. Walter Liebmann is 80 years old. (Ge) Deut. Entomol. Ges. Mitt. 24(2):22. May 31, 1965. 420 D482
- 33881 SUNDBLAD, G. Thorsten Lundgren in memoriam. (Sw) Svensk Papperstidn. 69(21):756. Nov. 15, 1966. 302.8 Sv2
- 33882 SVEIN Juul will be 50 years old. (No) Meieri-posten 55(46):991-992. Nov. 19, 1966. 44.8 M47
- 33883 SVEN Cederholm. (Sw) Skogs- Lantbruksakad. Tidskr. 105(5):253-254. 1966. 104 Sw3
Necrology.
- 33884 T. J. MAUNU in memoriam. (Fi) Suomen Eläinlääkärilehti 72(9):362. Sept. 1966. 41.8 F49
- 33885 TORSTEIN Lothe is dead. (No) Meieri-posten 55(47):1013-1014. Nov. 26, 1966. 44.8 M47
- 33886 V. V. POGLAVSKIL (Rus) Gidrotekh. Meliör. 11:60-61. Nov. 1966. 290.8 G362
- 33887 VAVRA, M. Gregor Mendel, the man who made gardening thrive. (Hu) Budapest. Kerteszeti Szemesz. Fiskola. Közleményei 30(1):5-19. 1966. 80 B85
- 33888 VOLSOE, H. Ragnar Sparck, August 5, 1896-June 20, 1965. (Da) Dansk Naturhist. For. Videnskabelige Meddelelser 128:VII-XXXI. 1965. 502 D232
Includes list of publications.
- 33889 WAKSMAN, S. A. Jacob G. Lipman: agricultural scientist, humanitarian. New Brunswick, New Jersey, Rutgers University Press, 1966. 148 p. S417.L5W3
Includes list of publications by him and about him.
- 33890 WALTER Reginald Woodbridge, 1900-1966. Anim. Health 3:8A-6D. Nov. 1966. 41.8 An52
- 33891 WEGMAN, J. In memoriam Dr. J. Wasscher. (Du) Aalsmeer. Proefsta. Bloemisterij. Jaarverslag 1965/6. 86 A44
- 33892 WEIDNER, H. On the 70th birthday of Dr. rer. nat. h. c. Eduard Wagner. (Ge) Hamburg. Zool. Staatsinst. Zool. Mus. Entomol. Mitt. 56(3):1-3. 1966. 421 H17
- 33893 THE WILLIAM Garfit [Foundation] Award. United Fresh Fruit Veg. Ass. Yearbook 1967: 275. 280.393 Un3
Presented to W. A. Gettz.
- 33894 WILLY Hallgren. (Sw) Skogs- Lantbruksakad. Tidskr. 105(5):256-257. 1966. 104 Sw3
Necrology.
- 33895 YOUNG, D. Louis C. Young honored. Amer. Potato J. 43(8):297-298. Aug. 1966. 75.8 P842
- 33896 ZAVAGLI, V. Prof. Bartolo Maymone, 8-1-1884-4-XII-1965. (It) Zooprofilassi 20(12): 723-724. Dec. 1965. 41.8 Z72
- 33897 ZELNIK, J., and GRANAT, J. Prof. Dr. eng. Grigorij Chomkovic, corresponding member of the Slovak Academy of Sciences, is 75 years old. (Cz) Pol'nohospodarstvo 12(8):619-621. 1966. 19.5 P752

HISTORY

- 33898 FITE, G. C. The farmers' frontier, 1865-1900. New York, Holt, Rinehart and Winston, 1966. 272 p. (Histories of the American Frontier) F596.F5
Bibliography, p.225-262.

HOME MANAGEMENT

- 33899 LANDRY, L. When you hem. Wis. Univ. Ext. Spec. Circ. 125, 11 p. Aug. 1966. 275.29 W75S
- 33900 PEPOLI, G. Our pilot center. (It) Romagna Agr. Zootec. 51(10):373-374. Oct. 1966. 16 R66
For teaching of rural home economics.
- 33901 WOMBLE, C., and LITTLE, L. Draperies you can make. N. C. Univ. Ext. Home Econ. Ser. 4, rev., 6 p.-folder. Aug. 1965. 275.29 N811Hom

INTERNATIONAL RELATIONS

- 33902 FOOD and AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Official report of the United States delegations to the forty-fifth and forty-sixth sessions of the FAO council, Rome, Italy, November 15-18, 1965 and December 9-10, 1965. n.p., 1966. 24 p. 389.9 F7355R
- 33903 FREYSENG, P. The Food and Agriculture Organization. Foreign Trade 126(11):15-17. Nov. 26, 1966. 286.8 C162
- 33904 U. S. FOREIGN AGRICULTURAL SERV. The U.S. agricultural attache; his history and his work. U. S. Foreign Agr. Serv. FAS-M-91, 10 p. Nov. 1966. A281.9 F76Fm

METEOROLOGY

- 33905 BACSO, N. Bevezetes az agrometeorologiai [Introduction to agrometeorology]. Ed. 3, rev. Budapest, Mezogazdasagi Kiado, 1966. 300 p., map. S600.B33
Bibliography, p.283-290.
- 33906 MERCIER, R. G. The weather Vineland Station and [Horticultural Experiment Station] Simcoe. Ontario. Hort. Exp. Sta. Rep. 1965: 99-109. 1966. 101 On823
- 33907 SERRA, J. Meteorologie et agriculture [Meteorology and agriculture]. Chambres Agr. 37(353, meteorologie et agriculture), 24 p., map. Dec. 1, 1966. 14 T69
Introduction by P. Brochet.
- 33908 YEW, O. K. Hydrology in Malaya: rainfall and river discharge. Malaysian Agr. J. 45(2): 182-190, map. July 1965. 22.5 F312
- 33909 YOUNG, C. E., and HENDERSON, J. E. An overflow system for a standard U.S. Weather Bureau evaporation pan. U. S. Forest Serv. Res. Note SE-60, 2 p. Sept. 1966. A99.9 F7623Un
Rainfall.

RESEARCH

- 33910 ADELAIDE, UNIVERSITY. WAITE AGRICULTURAL RESEARCH INSTITUTE. Report, 1964-1965. Adelaide, 1966. 88 p. 109 Ad32R
- 33911 AYERS, A. D. P.L. 480 rupees support agricultural research in India; renowned scientists from India and the United States are combining their knowledge and skills in this largest of our P.L. 480 research programs. Foreign Agr. Incl. Foreign Crops Markets 4(52):3-4. Dec.26,1966. A281.9 F76Fo
- 33912 CURRENT affairs and research investigations for the period, January-June, 1964. Malaysian Agr. J. 45(1):89-102. Jan.1965. 22.5 F312
Chiefly agricultural research.
- 33913 DOCUMENTATION INCORPORATED. Survey and systems design study for the Current Research Information System of the Department of Agriculture. Bethesda, Maryland, 1966? 31 p. S494.5.D3D6
- 33914 GOEHN, G. E., and FISHER, C. H. Growth and dimensions of agricultural research in the United States. Cotton Gin Oil Mill Press 67 (17):12,17,20,24,28,31. Ref. Aug.13,1966. 304.8 C822
- 33915 HILDRETH, R. J. Issues and implications in current procedures for establishing research priorities. J. Farm Econ. 48(5):1641-1653. Dec.1966. 280.8 J822
Includes discussion by J. C. Williamson.
- 33916 HILL, K. W. What is the [Utah] Agricultural Experiment Station? Utah Farm Home Sci. 27(3):88-89. Sept.1966. 100 Ut1F
Research.
- 33917 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Progress report for 1964 and 1965, North Louisiana Experiment Station, Calhoun, Louisiana. n.p., 1965. 76 p. 100 L93
- 33918 NOBREGA, P., and ANDRADE, A. C. Report on the activities of the Research Foundation of Biological Institution [Fundo de Pesquisas do Instituto Biológico] in 1965. (Por) Biologico 32(5):85-107. May 1966. 442.8 B529
Includes agricultural research.
- 33919 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Record of agricultural research, Volume XIV, Part 1, 1965. Belfast, 1965. 146 p. Ref. 10 N81R
- 33920 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Record of agricultural research, Volume XIV, Part 2, 1965. Belfast, 1965. 94 p. Ref. 10 N81R
- 33921 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Record of agricultural research, Volume XV, Part 1, 1966. Belfast, 1966. 155 p.,map. Ref. 10 N81R
- 33922 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Annual report, 1964-65. Clemson, 1965. 24 p. 100 So8

- 33923 STAIU, I. Scientific research and technological advances in agriculture [in] Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 445:114-118. June 20,1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Romania Libera. 29(6695): 1,3. Apr.1966.
Issued by CFSTI.
- 33924 SZUCS, K. The role of new accomplishments in agricultural sciences in production. (Hu) Magyar Mezőgazdaság 21(49):5-6. Dec.7,1966. 19 M27
- 33925 TEXAS. AGRICULTURAL EXPERIMENT STATION. Annual report, 1964-65. College Station, 1965? 74 p. 276 T312B
- 33926 THORNTON, N. C. Opportunities for agricultural research in the Tropics and their relation to development. Ceiba 12(1):22-26. July 1966. 475 C32
- 33927 WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm and home: [annual report]. W. Va. Agr. Exp. Sta. Bull. 532,24 p.,map. Summer 1966. 100 W52

STATISTICS

- 33929 CURTIS, W. H. Man asks machine-machine talks back. C&MS' Statistical Staff uses new computer service. Agr. Marketing [Washington] 11(12):7. Dec.1966. A280.38 Ag8
- 33929 GRUNENFELDER, M. 100 years of federal agricultural statistics. (Ge) Grune 94(30): 1069-1075. July 29,1966. 17 Sch9
Switzerland.
- 33930 INDIAN STATISTICAL INSTITUTE. Thirty-second annual report, April 1963-March 1964. Sankhya, Ser. B, 27(3/4):343-416. Dec.1965. 251.8 In2B
Agricultural research included.
- 33931 ONATE, B. T. The role of statistics in Philippine development. Philippine Agr. 49(6,7): 450-498. Ref. Nov./Dec.1965. 25 P542
- 33932 SNYDER, J. C., and SWACKHAMER, G. L. Management planning and control systems. Ind. Agr. Exp. Sta. Res. Bull. 809,32 p. Ref. June 1966. 100 In2P
Data processing equipment.
- 33933 WOLF, M. Formeln, Kennzahlen, Tabellen für landwirtschaftliche Berufe [Formulas, indexes, tables for the agricultural professions]. Volume 1. Berlin, Deutscher Landwirtschaftsverlag, 1966. 271 p. S413.W6

NEW PERIODICALS AND SERIALS

- ACTA phytopathologica. v.1, No.1/2. 1966. Budapest, Magyar Tudományos Akademia. SB731.A3
- AKTUALNE problemy informacii i dokumentacii. v.9, No.1. 1964. Warszawa, Centralny Instytut Informacji Naukowej i Technicznej i Ekonomicznej. AG500.A4
- ANUARIO del trigo, 1963/64. v.1. Feb. 1964. Buenos Aires. SB191.W5A1
- APIACTA; an international technical magazine of apicultural and economic information. No.1. 1966. Bucarest, Apimondia. Bee Cul. SF521.A62
- ATATURK UNIVERSITESI, ZIRAI ARASTIRMA ENSTITUSU. Arastirma bulteni. No.2. 1965. Ankara. S16.T9A8
- ATATURK UNIVERSITESI, ZIRAI ARASTIRMA ENSTITUSU. Teknik bulteni. No.2. 1965. Ankara. S16.T9A82
- AVES AND OVOS. v.1, No.2. May/June 1966. Sao Paulo. SF481.A8
- BARBADOS, OFF. OF THE PREMIER. ECONOMIC PLANNING UNIT. Barbados economic survey. 1966. Bridgetown. HC151.B3A3
- BORNOVA, TURKEY. ZIRAI MUCADELE ENSTITUSU. Teknik bulteni. No.1. 1960. Izmir. 464.9 B64
- BUMAZHNAYA u derevoobrabatvyayushchaya promyshlennost'. No.1. Jan./Mar. 1965. Kiev, Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. Institut tekhnicheskoi infor matsii. 302.8 B882
- CALIFORNIA feeders' day. Oct. 19, 1963. Davis, University of California, Department of Animal Husbandry. SF203.A1C3
- CANADIAN geotechnical journal. Revue canadienne de geotechnique. v.3, No.1. Feb. 1966. Toronto, Associate Committee on Soil and Snow Mechanics, National Research Council. TA710.A1C3
- COMMONWEALTH BUR. OF HORTICULTURE AND PLANTATION CROPS. Crop progress review. No.1. 1965. Farnham Royal, England. SB23.C6
- COMMONWEALTH BUR. OF HORTICULTURE AND PLANTATION CROPS. Research review. No.1. 1966. Farnham Royal, Commonwealth Agricultural Bureaux. SB4.C6
- ENTOMOLOGICA; annali di entomologia generale e applicata. v.1. 1965. Bari, Istituto di Entomologia Agraria, Università di Bari. QL461.E52
- ESKISEHIR TOHUM ISLAH ISTASYONU. Nesriyat. No.1. July 1963. Ankara. SB13.E8
- FITOFILO. v.18, No.47. Aug./Sept. 1965. Mexico, Secretaria de Agricultura y Ganaderia, Direccion General de Sanidad Vegetal. SB599.F52
- GEMUSE. v.1, No.1. Apr. 1965. Stuttgart. SB320.G4
- HOKKAIDO DAIGAKU. NOGYO KEIZAI-GAKU KYOSHITSU. The nokei ronso. The review of agricultural economics. No.21. 1965. Sapporo. HD2092.A1H6
- HOMBRE Y SUELO, SUPLEMENTO MENSUAL. Coleccion paginas sueltas. No.25. 1964. Buenos Aires. 9 H75
- I.L.R.B.; journal of the International Institute for Sugar Beet Research. v.1, No.1. 1965. Tirlmont. SB215.I5
- INDIAN CENTRAL COCONUT COMMITTEE. 19th annual report. 1963/64, pub. 1965. Ernakulam. SB401.C615
- INSTYTUT UPRAWY, NAWOZENIA I GLEBOZ-NAWSTWA. ZAKLAD UPOWSZECZNENIA I DOSWIADCZALNICTWA TERENOWEGO. Biuletyn doswiadczalnictwa terenowego. Seria F, 1964. 15 Pts. 1965, pub. 1966. Warszawa. S16.P715
- JAPAN. NOSEIKYOKU. SHOKUBUTSUKA. Imochi-byo no dai hassei to sono taisaku. 1963. No.19. 1965. Tokyo. 464.9 J276
- KEMIO internacia. v.1. May 1965. Montevideo, Urugvaja Esperanto-Societo. QD1.K4
- LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFUHRUNGS-GESELLSCHAFT. BETRIEBSSTATISTISCHE ABTEILUNG. Betriebswirtschaftliche Ergebnisse von Gartenbaubetrieben. 1962, pub. 1963. Wien. HD1784.L33
- LAND economics monographs. No.1. 1966. Madison, Land Tenure Center. HD1401.L3
- MONOGRAFIAS ecologicas y agrarias. No.1. Madrid, Patronato Alonso de Herrera de Investigacion de Ciencias Naturales y Agrícolas. Centro de Edafologia y Biologia Vegetal de Santiago de Compostela. 1965. QH540.M6
- MOZAMBIQUE. SERV. DE AGRICULTURA. Publicacoes, Serie C. Separatas. No.27. 1963. Lourenco Marques. S15.M6
- NAS CHOV; priloha o chovu danskeho skotu v Dansku a v CSSR. Kobenhavn, Breedania. 1966. SF199.R4N3
- NEW ASIA COLLEGE. Academic annual. v.6. 1964. Hong Kong. Q180.H6N4
- NEW ZEALAND. SOIL BUR. Report. No.1. 1965. Wellington. S599.N45A3
- NIHON GINKO. GAIKOKU-KYOKU. Kokusai shushi tokei geppo. Balance of payments monthly. No.1. Apr./May 1966. Tokyo. HG3883.J3N5
- NORTH CAROLINA ORGANIZATION OF HOME DEMONSTRATION CLUBS. Yearbook. 1963. Raleigh, North Carolina State College, Agricultural Extension Service. TX1.N8
- PEST control operators news. v.26, No.10. Oct. 1966. Burbank, California. SB951.A1P4
- SCIENCE chronicle. v.4, No.9. Mar. 1966. Karachi, Pakistan Council of Scientific and Industrial Research. Q1.S33
- SPAIN. SERV. DE PLAGAS FORESTALES. Divulgacion, Serie B. 1965. Madrid. SB887.S6
- SUDENE; boletim economico. v.2, No.2. Jan./Mar. 1966. Recife. HC186.A1S92
- TEXTILE RESEARCH LABORATORIES. The effects of harvest-aid chemicals on fibre quality, spinning performance, yield, and net cash income of high plains cotton, 1964-65 season, research report. 1965. Lubbock. SB245.T43
- TEXTILE RESEARCH LABORATORIES. The effects of irrigation on fiber properties, spinning performances, seed grades, yields, and net cash income of High Plains cotton, research report, 1963-64. June 1964. Lubbock. SB245.T4
- TURKIYE ZIRAAT BANKASI, ANKARA. Kooperatifcilik dergisi. v.1, No.1. Apr./June 1964. Ankara. 284.29 T84K
- UBERSEEISCHE Assoziierte. Allgemeines statistisches Jahrbuch. Overseas associates. Yearbook of general statistics. 1966. Brussels, Statistical Off of the European Communities. HA1109.I2
- UTTAR PRADESH AGRICULTURAL UNIVERSITY. LIBRARY. Annual report of the university librarian. 1964/65. Pantnagar. Z845.A3U8
- ZWECKMASSIGE Futterkonservierung. No.1. 1965. Frankfurt am Main. SB195.Z8

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

- ALFIRI, I. For an increase in profitability of state farms: Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 499,14 p. Nov.30,1966. (JPRS 38,895; TT 66-35319) 173 J663Ste
Translation from *Finante si Credit*, 9:21-31, Sept.1966.
CFSTI: \$1.00.
- ALMS, H. W., and ROSENAU, G. Theses on the legal organization of cooperation associations in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 445-16-38. June 20,1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from *Staat und Recht* 5:782-801, May 1966.
Issued by CFSTI.
- *ANDRIYANOV, B. V. Some aspects of the problem of the interplay of nature and society (as illustrated by the history of development of the lower reaches of the Amu-Dar'ya in the 18th and 19th centuries). Soviet Geogr. Rev. Transl. 7(10):3-14, map. Ref. Dec.1966. 331,8 So8
- ANTONOV, S. The meat industry in the new Five-year Plan: USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 155:1-8, Dec.2,1966. (JPRS 38,928; TT 66-35352) 173 J663Tro
Translation from *Myasnaya Industriya SSSR* 37(4):1-5, 1966.
Issued by CFSTI.
- ARTAMONOV, A., and PLATONOV, V. Increased production of frozen food urged. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 150:7-11, Nov.8,1966. (JPRS 38,525; TT 66-34950) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 34:36, 1966.
Issued by CFSTI.
- ARTEMOV, N. M., and others. Effect of bee and cobra venoms on the neuromuscular apparatus of the cat. U. S. Joint Publ. Res. Serv. [Transl.] Nauch. Dokl. Vyssh. Shkoly, Biol. Nauk. (Sci. Rep. Higher Sch. Biol. Sci.) USSR 3: 14-23, Ref. Feb.16,1965. (JPRS 28,782; TT 65-30345) 173 J663Tfn
Y. V. Goryachev, O. N. Lebedev, A. S. Stepanov, joint authors.
Translation from *Nauchnye Doklady Vysshiei Shkoly - Biologicheskii Nauki* 3:54-61, 1964.
CFSTI \$2.00.
- *ATABEKOV, I. G., and NOVIKOV, V. K. Some properties of the nucleoprotein of barley mosaic virus and of its structural components. Biochemistry (Biokhimiya) 31(2):134-142. Ref. Jan./Feb.1966. 385 B523Ae
- *AZARYAN, G. K., and others. Prospective use of radiation to control the hollyhock seed moth (Lepidoptera, Gelechiidae). Entomol. Rev. 44 (4):449-453. Ref. Oct./Dec.1965. 421 R322Ae
A. S. Babayan, V. V. Vasilyan, and K. L. Mkrtumyan, joint authors.
- *BABAK, N. M. The effect of different salts on *Azotobacter chroococcum* and *Azotobacter galophilum*. Microbiology 35(1):137-141. Ref. Jan./Feb.1966. 448,3 M582Ae
- BAKES, U., and HAMPU, V. Quality as a factor in increasing economic effectiveness of afforestation. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 502:13-24, Dec.9,1966. (JPRS 39,041; TT 66-35464) 173 J663Ste
Translation from *Revista Padurilor* 8:427-431, Aug.1966.
Issued by CFSTI.
- *BALASHOV, YU. S. Mechanism of salivation and the morphologic-histochemical peculiarities of the salivary glands in ixodid ticks (*Acarina, Ixodoidea*). Entomol. Rev. 44(4):462-472. Ref. Oct./Dec.1965. 421 R322Ae
- BARBASHIN, M. The need for raising standards in the meat and dairy industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 156:5-14, Dec.7,1966. (JPRS 39,007; TT 66-35430) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 39:14-15, Sept.1966.
Issued by CFSTI.
- BARBU, N. Organization and future tasks in animal selection. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 486:48-53, Oct.27,1966. (JPRS 38,350; TT 66-34776) 173 J663Ste
Translation from *Revista de Zootechnie si Medicina Veterinara* 9:5-8, Sept.1966.
Issued by CFSTI.
- BAREK, J. Organization under new management system in agriculture in Czechoslovakia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 491:1-15, Nov.15,1966. (JPRS 38,644; TT 66-35069) 173 J663Ste
Translation from *Ekonomika Zemedelstvi*, 9:237-240, Sept.1966.
Issued by CFSTI.
- BAYARSAIHAN, D. Need for assuring early production and procurement of butter. U. S. Joint Publ. Res. Serv. Transl. Mongolia 123: 28-30, Dec.13,1966. (JPRS 39,091; TT 66-35514) 173 J663Tmo
Translation from *Namyn Am'dral* 3:32-34, Mar.1966.
Issued by CFSTI.
- BEGDZSUREN, and GOMBODOO, S. Calling upon agricultural artel general committees to manage properly the artel production. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121: 7-12, Nov.22,1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
Translation from *Unen*, Jan.31,1966:2.
Issued by CFSTI.
- BELOPETRAVICHUS, L. Improving the organization of trade in agricultural products under the new Five-year Plan: USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 155:9-14, Dec.2,1966. (JPRS 38,928; TT 66-35352) 173 J663Tro
Translation from *Sovetskaya Potrebitel'skaya Kooperatsiya* 10(6):5-8, Aug.1966.
Issued by CFSTI.
- BOGDANOVIO, M. The problems of mechanizing farms of private agricultural producers. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 501:1-10, Dec.9,1966. (JPRS 39,029; TT 66-35452) 173 J663Ste
Translation from *Opstina* 9:14-24, Sept.1966.
Issued by CFSTI.
- BOICIUC, M., DUMITRESCU, N. S., and DUPU, M. Present state and perspective of research on thermal treatment of wood. 8 p. Transl. 16285
Translation from *Perspektivy Zakladneho Vyskumu Dreva* 12(3/6):289-295, 1963.
- BOLDYREV, P. Plans for building meat industry enterprises outlined. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 147:1-6, Oct.18,1966. (JPRS 38,220; TT 66-34647) 173 J663Tro
Translation from *Myasnaya Industriya SSSR* 3:6-9, 1966.
Issued by CFSTI.

BORDEIANU, C., and CEAUSESCU, F. Feed supply problems at animal husbandry complexes in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 500:12-15. Dec. 2, 1966. (JPRS 38,922; TT 66-35346) 173 J663Ste

Translation from Scinteia 36(7137):1,3. Oct. 20, 1966.

Issued by CFSTI.

BORDEIANU, C., DELEANU, V., and PITICU, I. Shortcomings in construction activities on state farms in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:38-41. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste

Translation from Scinteia. 36(7131):1,3. Oct. 14, 1966.

Issued by CFSTI.

BOUZYK, K. Potato purchases from 1965⁻ harvests. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:29-32. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste

Translation from Nowe Rolnictwo. 19:24. Oct. 1/15, 1966.

Issued by CFSTI.

BOYCHEV, Y. The intensification of agricultural production—a basic task of agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:46-61. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste

Translation from Novo Vreme 9:19-29. Sept. 1966.

Issued by CFSTI.

BUCHWALD, W. The classification of slaughter animals. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:107-113. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste

Translation from Nowe Rolnictwo 15(8):16-30. Apr. 1966.

Issued by CFSTI.

*BULYGINSKAYA, M. A. On the prospect of controlling certain injurious Lepidoptera by chemical sterilization. Entomol. Rev. 44(4): 433-440. Ref. Oct./Dec. 1965. 421 R322Ae

BURIAN, J. Scientific, technological and economic bases for the management of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:1-15. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste

Translation from Ekonomika Zemel'stvi 4:77-80. Apr. 1966.

Issued by CFSTI.

BUTLER, C. G. The effects of extracts of queens of various social insects on queen rearing and the development of workers' ovaries in the honey bee (*Apis mellifera*). 4 p. Transl. 16260

Translation from Zeitschrift für Bienenforschung 8(5):143-147. Jan. 1966.

BYZOVA, Y. B. Effect of chemical treatment from airplanes on the soil invertebrate fauna in coniferous forests. U. S. Joint Publ. Res. Serv. Transl. Zool. Zh. (Zool. J.) USSR 4:11-35. Ref. July 10, 1964. (JPRS 25,428; TT 64-31701) 173 J663Tz

Translation from Zoologicheskii Zhurnal 43(4):488-502. Apr. 1964.

CFSTI \$1.75.

CHROBOCZEK, E. The organization and activities of the Vegetable Horticulture Institute [Instytut Warzywnictwa]. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 489:12-18. Nov. 10, 1966. (JPRS 38,588; TT 66-35013) 173 J663Ste

Translation from Nowe Rolnictwo. 17:22-24. Sept. 1966.

Issued by CFSTI.

CITU, D. Improvement of the internal management of agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 493:16 p. Nov. 22, 1966. (JPRS 38,738; TT 66-35162) 173 J663Ste

Translation from Probleme Economice. 19(8):65-77. Aug. 1966.

CFSTI: \$1.00.

COSTEA, C. Problems in the introduction of socialist management in silviculture in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:37-45. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J6663Ste

Translation from Revista Padurilor 8:434-438. Aug. 1966.

Issued by CFSTI.

DAMYANOV, K. Economic relations between the state and TKZS under the new system of management. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505:1-18. Dec. 15, 1966. (JPRS 39,143; TT 66-35560) 173 J663Ste

Translation from Ekonomicheskia Misul 8: 49-61. Oct. 1966.

Issued by CFSTI.

DIKUN, P. P. Data of the spectral study of cancerogenic hydrocarbons in sausage and smoked fish products. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitan. (Probl. Nutr.) USSR 24(1):15-20. May 4, 1965. (JPRS 29,912; TT 65-30901) 173 J663Trvo

Translation from Voprosy Pitaniya 24(1):31-35. Jan./Feb. 1965.

CFSTI \$2.00.

*DIMAKSYAN, A. M. Results of experimental investigations of the RD-15 instrument for radioactive measurements of current velocities. Soviet Hydrol. Selec. Pap. 6:548-563. 1965. 292.8 So8

DRAHOVZAL, J. Internal organization of uniform agricultural cooperatives in Czechoslovakia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 491:16-35. Nov. 15, 1966. (JPRS 38,644; TT 66-35069) 173 J663Ste

Translation from Ekonomika Zemel'stvi. 9:241-245. Sept. 1966.

Issued by CFSTI.

DUONG, T. Some agricultural-production leadership experiences of Vinh Linh under conditions of bitter fighting. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam 9:98-107. Nov. 16, 1966. (JPRS 38,660; TT 66-35085) 173 J663Th

Translation from Hoc Tap, Sept. 1966:84-92. Issued by CFSTI.

DUSTMANN, J. H. Investigations of pigment in the eyes of the honey bee *Apis mellifera*. 2 p. Transl. 16265

Translation from Naturwissenschaften 53(8): 208. Apr. 1966.

*ERSHOV, V. V. Effect of mineral fertilizers on microbiological processes in meadow soils in Karelia. Microbiology 35(1):142-146. Ref. Jan./Feb. 1966. 448.3 M582Ae

ETO, M., and others. Outbreaks of transmissible gastroenteritis among swine in the Kyushu Region. 12 p. Transl. 16226

T. Ichihara, T. Tsunoda, and S. Watanabe, joint authors.

Translation from Japan Veterinary Medical Association, Journal 15(1):16-19. 1962.

EWALD, G. Use of chemicals in agriculture—a vital measure for stepping up agricultural output. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 490: 12-18. Nov. 15, 1966. (JPRS 38,635; TT 66-35060) 173 J663Ste

Translation from Feldwirtschaft 10:509-511. Oct. 1966.

Issued by CFSTI.

- *FENIKSOVA, R. V., TIKHOMIROVA, A. S., and KULIKOVA, A. K. Mechanism of glucose inhibition of induced amylase synthesis by *Aspergillus oryzae*. *Microbiology* 34(6):852-856. Ref. Nov./Dec.1965. 448.3 M582Ae
- *FEOFILOVA, E. P. Influence of pyrrole derivatives and precursors on the growth and pigment formation of *Actinomyces longisporus*. *Microbiology* 35(1):50-56. Ref. Jan./Feb. 1966. 448.3 M582Ae
- FROLOV, A. Past achievements and future plans for expansion of the food industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 157:21-26. Dec.15, 1966. (JPRS 39,138; TT 66-35561) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 41:7. Oct.1966.
Issued by CFSTI.
- GALAJ, D., and HUNEK, T. Factors for profitable management of farming circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 500:1-5. Dec.2, 1966. (JPRS 38,922; TT 66-35346) 173 J663Ste
Translation from *Nowe Rolnictwo* 16:6-7. Aug.1966.
Issued by CFSTI.
- *GAMBARYAN, M. E. Method of determining the generation time of microorganisms in benthic sediments. *Microbiology* 34(6):939-943. Nov./Dec.1965. 448.3 M582Ae
- GANJUURJAB, D. Duties of trade procurement agencies. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:61-63. Nov.22, 1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
Translation from *Unen*, Jan.31, 1966:3.
Issued by CFSTI.
- GERASIMOV, I. P., and GLAZOVSKAYA, M. A. Fundamentals of soil science and soil geography. 382 p. Ref. (TT 65-50061) S591.G43
Translation of *Osnovy Pochvovedeniya i Geografii Pochv*.
CFSTI: \$7.00.
- GERDES, Status and immediate goals of the mechanization of sugar beet production with the GDR machine system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 482:9-15. Oct.13, 1966. (JPRS 38,136; TT 66-34553) 173 J663Ste
Translation from *Deutsche Agrartechnik* 16 (8):343-345. Aug.1966.
Issued by CFSTI.
- GILLWALD, W. Contribution to the rheology of wood with special attention to its damping characteristics. 5 p. Transl. 16269
Translation from *Perspektivy Zakladneho Vyskumu Dreva* 12(3/6):325-328. 1963.
- GIOSAN, N. Agriculture under the Five-year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488:45-62. Nov.7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from *Lupta de Clasa* 9:15-29. Sept.1966.
Issued by CFSTI.
- GOCHAROV, N. Equipping the USSR dairy industry with modern machinery. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 149:1-4. Nov.3, 1966. (JPRS 38,467; TT 66-34892) 173 J663Tro
Translation from *Molochnaya Promyshlennost'* 27(8):32-34. 1966.
Issued by CFSTI.
- GONTARSKI, H. The vertical orientation of bees when building combs and constructing the brood nest. 11 p. Transl. 16267
Translation from *Zeitschrift für Vergleichende Physiologie* 31(5):652-670. 1949.
- *GORNOSTAYEVA, R. M. The gonotrophic cycle of the biting midge *Lasiohelea sibirica* Bujan. (Diptera, Heleidae). *Entomol. Rev.* 44(4):454-461. Ref. Oct./Dec.1965. 421 R322Ae
- *GORODKOV, K. B. Forest fauna of helomyzid flies (Diptera) of East Siberia and the Far East of the USSR. *Entomol. Rev.* 44(4):538-541. Ref. Oct./Dec.1965. 421 R322Ae
- *GORYUNOVA, S. V., ODOEVSKAYA, N. S., and GERASIMENKO, L. M. Some methods for the purification of blue-green algae from concomitant bacteria. *Microbiology* 34(6):944-945. Nov./Dec.1965. 448.3 M582Ae
- GREINER, G. Cooperation brings great benefits to agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:1-4. Oct.27, 1966. (JPRS 38,350; TT 66-34776) 173 J663Ste
Translation from *Presse-Informationen* Sept.28, 1966:2.
Issued by CFSTI.
- GRIGORESCU, E. Contributions of the Rumanian machine and tractor stations to the mechanization of agricultural work. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 483:18-21. Oct.13, 1966. (JPRS 38,150; TT 66-34577) 173 J663Ste
Translation from *Agricultura Socialista* 32:1-2. Aug.11, 1966.
Issued by CFSTI.
- GRUNEBERG, G. Economic problems of the shaping of East Germany's modern intensive agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:52-65. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from *Einheit* 5:632-640. May 1966.
Issued by CFSTI.
- GRYSIAK, J. Tractor and machine operating costs in agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 489:19-29. Nov.10, 1966. (JPRS 38,588; TT 66-35013) 173 J663Ste
Translation from *Mechanizacja Rolnictwa* 17:15-17. Sept.1966.
Issued by CFSTI.
- GUENZEL, B. Reorganization of spare parts supply in socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 484:7-11. Oct.18, 1966. (JPRS 38,200; TT 66-34627) 173 J663Ste
Translation from *Deutsche Agrartechnik* 9:424-425. Sept.1966.
Issued by CFSTI.
- *GUMILEV, L. N. Heterochronism in the moisture supply of Eurasia in antiquity [Landscape and ethnol. IV]. *Soviet Geogr. Rev. Transl.* 7 (10):34-45. Ref. Dec.1966. 331.8 S08
- HAUBOLD, H., and STOPP, G. Revaluation results of basic assets in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 451:1-8. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
Translation from *Die Deutsche Landwirtschaft* 17(5):217-219. May 1966.
Issued by CFSTI.
- HILTERHAUS, V. Biological-ecological investigations on leaf beetles of the genera *Lema* and *Gastroidea* (Chrysomelidae, Coleoptera). 32 p. Ref. Transl. 16094
Translation from *Zeitschrift für Angewandte Zoologie* 52(3):257-295. 1965.
- HOANG, A. Concentrating on effectively leading the campaign to "improve the management of cooperatives, improve technology, and develop agricultural production in a comprehensive, vigorous and stable way." U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:9-22. Dec.8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from *Hoc Tap* 10:7-18. Oct. 1966.
Issued by CFSTI.
- HOFFMEISTER, H. Isolation of a new insect hormone from silk-moth [*Bombyx mori*] pupae. 3 p. Transl. 16196
Translation from *Zeitschrift für Naturforschung* 21b(4):335-336. 1966.

- HOFMANN, M. Improving economic relations of VVB for sugar and starch industry and socialist agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 485:25-30. Oct. 24, 1968. (JPRS 38,232; TT 66-34708) 173 J663Ste
Translation from *Feldwirtschaft* 8:401-403. Aug. 1966.
Issued by CFSTI.
- HUNEK, T. Factors for profitable management of agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:19-34. Oct. 27, 1966. (JPRS 38,350; TT 66-34776) 173 J663Ste
Translation from *Nowe Rolnictwo* 15:5-9. Aug. 1/15, 1966.
Issued by CFSTI.
- HUNGARY, KOZPONTI STATISZTIKAI HIVATAL. Statistical pocket book of Hungary, 1966. Budapest, 1966. 199 p., map. 266.3 S272Ae
- *IL'IN, G. S., and LOVKOVA, M. YA. Participation of nicotine in the nitrogen metabolism of Nicotiana tabacum L. Biochemistry (Biokhimiya) 31(2):149-155. Ref. Jan./Feb. 1966. 355 B523Ae
- INFORMATION from the 1965 Korean year-book. 361 p. (JPRS 35,146; TT 66-31583) 173 J663In
Translations of selected portions of Choson Chungang Nyongam.
CFSTI: \$7.00.
- IOFFE, A. F., and REVUT, I. B., ed. Fundamentals of agrophysics. 726 p. Ref. (TT 65-50079) S589.I55
Translation of *Osnovy Agrofiziki*.
CFSTI: \$10.44.
- *ISAIEVA, V. S. Vitamin requirements of *Proteus vulgaris* strain K. Microbiology 35(1):44-46. Jan./Feb. 1966. 448.3 M582Ae
- IVANIC, M. The ontogeny and the parasitic destructive work of a haplosporidian, *Nenhridiophaga apis* gen. nov. spec. nov., living as a parasite in the cells of the Malpighian tubules of the honey bee (*Apis mellifera* L.). 42 p. Ref. Transl. 15628
Translation from *Cellule* 15(3):291-324. 1936.
- *IVANOV, G. M., and GUKASYAN, A. B. Staining of crystals, spores and vegetative cells of entomopathogenic bacteria. Microbiology 35(1):152-153. Jan./Feb. 1966. 448.3 M582Ae
- JELINEK, A. Enterprise funds under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:17-28. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Translation from *Ekonomika Zemel'stvi*. 8:216-220. Aug. 1966.
Issued by CFSTI.
- JUDGES, K. C. Orecchie d'oro: introduzione all'allevamento del coniglio da carne [Golden ears: introduction to the raising of the meat rabbit]. Ed. 3. 72 p. (Universale Edagricole, No. 19) SF453.J82
Translation of *Golden Ears*.
- *KACHALOVA, O. L. Occurrence of the distinctive nymph of the mayfly *Prospistoma foliaceum* Fourc. (Ephemeroptera, Prospistomidae), in the Daugava River in Latvia. Entomol. Rev. 44(4):486-488. Oct./Dec. 1965. 421 R322Ae
- KAGAN, F., PIEKARCZYK, K., and STUDZINSKI, A. Prognoses of the appearance of some plant diseases and pests in Poland in 1966. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:96-106. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from *Nowe Rolnictwo* 15(8):20-22. Apr. 1966.
Issued by CFSTI.
- KASCHNER, G. Some conclusions from the third Central Conference of State Farms. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:1-6. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Translation from *Die Deutsche Landwirtschaft* 10:470-472. Oct. 1966.
Issued by CFSTI.
- KEREKES, G. Debate on certain problems of meat production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 498:1-17. Nov. 30, 1966. (JPRS 38,877; TT 66-35301) 173 J663Ste
Translation from *Statistikai Szemle*. 44(8/9):842-854. Aug./Sept. 1966.
Issued by CFSTI.
- *KHARCHENKO, S. I., and KHARCHENKO, K. I. Total evaporation from the soil in a zone of deficient moisture and a method of its calculation. Soviet Hydrol. Selec. Pap. 6:511-529. Ref. 1965. 292.8 S08
- KELICHOWSKI, J. Prospects for the expansion of the production of slaughter beef. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:33-37. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
Translation from *Przegląd Hodowlany* 18:3-4. Sept. 16/30, 1966.
Issued by CFSTI.
- KISHIMA, T. Review of tylosis formation in hardwood vessels. 8 p. Ref. Transl. 16287
Translation from Kyoto University. Wood Research Institute. Bulletin 37:1-5. Mar. 1966.
- KLEBER, E. Does the memory of bees for time have biological significance. 32 p. Ref. Transl. 16273
Translation from *Zeitschrift für Vergleichende Physiologie* 22(2):221-262. 1935.
- KLIMENKO, B. Quality improvement urged in cheese production. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 146:6-10. Oct. 17, 1966. (JPRS 38,173; TT 66-34600) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 30:34. July 1966.
Issued by CFSTI.
- KNOERCK, J. Measures to improve the planning and management of agriculture in 1967-1968 by economic methods. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 484:1-6. Oct. 18, 1966. (JPRS 38,200; TT 66-34627) 173 J533Ste
Translation from *Die Deutsche Landwirtschaft* 17(9):417-419. Sept. 1965.
Issued by CFSTI.
- KOCHI, J. Taxes and subsidies in the new management system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488:15-28. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from *Ekonomika Zemel'stvi* 7:177-181. July 1966.
Issued by CFSTI.
- *KOLESNIKOVA, I. G., KOSHELEVA, N. A., and BAIKOVA, L. A. Characteristics of *Pseudomonas fluorescens* strain 3B—a producer of alpha-ketoglutaric acid. Microbiology 35(1):57-60. Ref. Jan./Feb. 1966. 448.3 M582Ae
- KOMLEV, A. A. Field-protective afforestation and the increase in financial yield of agriculture. 4 p. (TT 66-51094) Transl. 16275
Translation from *Sel'skoe Khozyaistvo Povolzh'ya* 6(12):43-45. 1960.
CFSTI: \$1.00.
- KONDRA'T'YEV, K. Recommendations on wages in kolhozoes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 140:29 p. Oct. 26, 1966. (JPRS 38,320; TT 66-34746) 173 J663Tou
Translation from *Ekonomicheskaya Gazeta* 34:21-23. Aug. 1966.
CFSTI: \$2.00.
- KONOWROCKI, A. Trends and problems of the expansion of mechanization of agriculture in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 451:14-18. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
Translation from *Nowe Rolnictwo*. 9:1-2. May 1966.
Issued by CFSTI.

- KOPEC, W. Farm construction—present status and planned expansion in 1966—1970. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 486:5-18. Oct. 27, 1966. (JPRS 33,350; TT 36-34776) 173 J663Ste
Translation from Inwestycje 1 Budownictwo 7/8:6-12. July/Aug. 1966.
Issued by CFSTI.
- KORBONSKAYA, YA. I. The mycological flora of juniper forests of the central part of the Turkestan Mountain Range. 24 p. (TT 65-50124) Transl. 16278
Translation from Akademika Nauk Tadzhikskoi SSR. Botanicheskii Institut. Trudy 73:233-257. 1958.
CFSTI: \$1.00.
- KORNEV, V. P. Biochemical and enzymatic activity of pinetum litter. 8 p. (TT 66-51088) Transl. 16274
Translation from Pochvovedenie 11:109-114. 1962.
CFSTI: \$1.00.
- *KORZUN, V. I. Effect of slope exposure on the surface runoff of snowmelt. Soviet Hydrol. Selec. Pap. 6:610-619. 1965. 292.8 So8
- KOSTADINOV, G. The decisive condition for fulfilling the basic tasks in agriculture during the fifth Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 496:1-11. Nov. 28, 1966. (JPRS 38,816; TT 66-35240) 173 J663Ste
Translation from Planovo Stopanstvo i Statistika 8:42-52. Sept. 1966.
Issued by CFSTI.
- *KOTOV, V. B., KONOVALOV, S. A., and OVCHAROV, A. K. Study of the free intracellular amino acids and amino acid composition of protein in strains of *Aspergillus ussami*. Microbiology 34(6):833-836. Nov./Dec. 1965. 448.3 M582Ae
- KOTSUYUBA, T. Suggestions for payment of kolkhoz labor and the draft kolkhoz regulations. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:25-30. Nov. 14, 1966. (JPRS 38,608; TT 66-35033) 173 J663Tou
Translation from Ekonomika Sovetskoy Ukrainy 8:59-62. Aug. 1966.
Issued by CFSTI.
- KOVALENKO, YA. R., SIDOROV, M. A., and BURBA, L. G. Clinical picture of experimental African swine plague. U. S. Joint Publ. Res. Serv. [Transl.] Develop. Vet. Sci. Pract. USSR, July 1, 1965:1-9. (JPRS 30,917; TT 65-31416) 173 J663Dv
Translation from Veterinariya 1:40-43. Jan. 1965.
Issued by CFSTI.
- KOZHANOV, K. YA. Evaporation from vegetation and from the free surface of peat soil. 11 p. Ref. (TT 66-51077) Transl. 16276
Translation from Meteorologiya i Gidrologiya 6:113-122. 1938.
CFSTI: \$1.00.
- KRASOVSKAYA, I. V., and SMIRNOVA, A. D. The use of mycorrhiza at plantings of oak acorns under the arid conditions of the Saratov Region. 11 p. Ref. (TT 66-51081) Transl. 16277
Translation from Les i Step' 2(2):29-37. 1950.
CFSTI: \$1.00.
- KRILEK, J. Uniform basic purchasing prices and their purpose. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 488:12-14. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from Ekonomika Zemel'stvi. 7:176-177. July 1966.
Issued by CFSTI.
- *KRYZHANOVSKAYA, A. B. Meteorological conditions of effective thaws and snowmelt yield. Soviet Hydrol. Selec. Pap. 6:597-602. 1965. 292.8 So8
- *KRYZHANOVSKIY, O. L. In memory of N. S. Borkhsenius (1906—1965). Entomol. Rev. 44(4):551-555. Oct./Dec. 1965. 421 R322Ae
- KRZYWONOS, J. An evaluation of the progress of state farms in Poland 1961—1965. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 505:56-63. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
Translation from Zycie Gospodarcze 45:8. Nov. 6, 1966.
Issued by CFSTI.
- KUNDLER, P., MEIER, B., and TURNHEIM, G. Problems of industry-style organization of chemical fertilizer use. U. S. Joint Publ. Res. Serv. Transl. East Europe, Agr. Forest. Food Indus. 490:19-29. Nov. 15, 1966. (JPRS 38,635; TT 66-35060) 173 J663Ste
Translation from Feldwirtschaft 10:511-515. Oct. 1966.
Issued by CFSTI.
- *KUOSAITE, B. A. Regeneration of the mammary gland in the guinea pig. Bull. Exp. Biol. Med. 60(11):1323-1326. Nov. 1965. 442.8 B87Ae
- LAZUTKIN, E. Non-agricultural production to improve living standards in rural areas. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 142:24-28. Nov. 3, 1966. (JPRS 38,471; TT 66-34896) 173 J663Tou
Translation from Sovetskaya Rossiya, Sept. 2, 1966:3.
Issued by CFSTI.
- LECOMTE, J., and TIRGARI, S. On some pollinators of the fodder legumes. 11 p. Ref. Transl. 15849
Translation from Annales de l'Abeille 8(2):83-93. 1965.
- LEHFELDT, W. Origination of binucleate mycelium in heterothallic *Basidiomycetes*. 17 p. Transl. 16132
Translation from Hedwigia 64:30-51. 1923.
- *LITVINENKO, S. N. The effect of growth stimulants on some microorganisms. Microbiology 35(1):40-43. Jan./Feb. 1966. 448.3 M582Ae
- *LUCIC, S. The resistance of imported Italian and some important domestic wheat varieties to physiological races of *Puccinia graminis tritici* Erikss. et Henn. J. Sci. Agr. Res. 18 (62):31-54. Ref., p. 51-54. 1965. 21.5 Y9Ae
- LUR'YE, S. Shortcomings in acceptance of agricultural products from farms. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 159:9-10. Dec. 16, 1966. (JPRS 39,147; TT 66-35570) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 42:30. Oct. 1966.
Issued by CFSTI.
- LYSENKO, A. YA., and LOSEV, O. L. The medical geography of North Vietnam. Soviet Geogr. Rev. Transl. 7(3):3-56, map. Mar. 1966. 331.8 So8
- MAKISHMOV, P. S., and VASIL'YEV, P. V. Refrigeration construction in 1965 and plans for 1966—1970. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 147:7-11. Oct. 18, 1966. (JPRS 38,220; TT 66-34647) 173 J663Tro
Translation from Kholodil'naya Tekhnika 6:18-20. 1966.
Issued by CFSTI.
- *MARDZHANYAN, G. M., and UST'YAN, A. K. Integrated control of the green peach aphid, *Myzodes persicae* Sulz., on tobacco. Entomol. Rev. 44(4):441-448. Ref. Oct./Dec. 1965. 421 R322Ae
- MARTIN, P. Electrophoretic investigations on the hemolymph of bees. 3 p. Transl. 16281
Translation from Berliner und Munchener Tierarztliche Wochenschrift 78(1):16-17. Jan. 1, 1965.
- *MEDVEDEV, G. S. Adaptations of leg structure in desert darkling beetles (Coleoptera, Tenebrionidae). Entomol. Rev. 44(4):473-485. Oct./Dec. 1965. 421 R322Ae
- MEL'NIKOV, I. Socialist competition a creative force. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:20-24. Nov. 14, 1966. (JPRS 38,608; TT 66-35033) 173 J663Tou
Translation from Sel'skaya Zhizn', Oct. 1, 1966:2.
Issued by CFSTI.

- MEDEL, G. Experiments in plant hybridisation—Mendel's original paper in English translation with commentary and assessment by the late Sir Ronald A. Fisher, edited by J. H. Bennett. 95 p. Ref. QH423.M4
Translation of Versuche ueber Pflanzenhybriden.
- MIKHAYLOV, A. Improving the supply of dairy and meat products. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 153:28-30. Dec. 15, 1966. (JPRS 39,140; TT 66-35563) 173 J663Tro
Translation from Ekonomicheskaya Gazeta. 43:8. Oct. 1966.
Issued by CFSTI.
- MILANOVIC, P. The development of Yugoslav agriculture in the past ten years. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 505:25-41, map. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
Translation from Ekonomika Poljoprivrede 13(10):731-744. Oct. 1966.
Issued by CFSTI.
- MILENKOVIC, P. Directions and tendencies in the further development of socialized agricultural production in the Vojvodina. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 496:12-27. Nov. 28, 1966. (JPRS 38,816; TT 66-35240) 173 J663Ste
Translation from Ekonomika Poljoprivrede 9: 665-677. Sept. 1966.
Issued by CFSTI.
- *MIRCHINK, T. G., and BELAYA, T. I. Mycoflora of the tropical soils of Guinea, and its biological properties. Microbiology 34(6):920-926. Ref. Nov./Dec. 1965. 448.3 M582Ae
- *MISHUSTIN, E. N., and EROFEEV, N. S. Elimination of the nitrogen deficiency in soil by using straw as an organic fertilizer. Microbiology 34(6):927-932. Ref. Nov./Dec. 1965. 448.3 M582Ae
- *MISHUSTIN, E. N., and EROFEEV, N. S. Nature of the toxic compounds accumulating during the decomposition of straw in soil. Microbiology 35(1):126-129. Jan./Feb. 1966. 449.3 M582Ae
- *MISIC, P. D. Occurrence of June Yellows and symptoms of White Streaks among strawberry hybrid seedlings. J. Sci. Agr. Res. 18(62): 131-136. Ref. 1965. 21.5 Y9Ae
- MISUNA, W. The planning functions of the Gomada peoples councils and the agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 445: 86-95. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Nowe Rolnictwo 15(8):10-12. Apr. 1966.
Issued by CFSTI.
- MOROZ, P. I. New instruments in veterinary practice. U. S. Joint Publ. Res. Serv. [Transl.] Develop. Vet. Sci. Pract. USSR, July 1, 1965: 14-24. (JPRS 30,917; TT 65-31416) 173 J663Dv
Translation from Veterinariya 3:104-108. March 1965.
Issued by CFSTI.
- MUELLER, D., and BORN, K. Problems of the complex 1967 agricultural plan. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 505:19-24. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
Translation from Die Deutsche Landwirtschaft 11:513-516. Nov. 1966.
Issued by CFSTI.
- NARAYANAMURTI, D., and PRASAD, B. N. Infrared drying of veneers. 11 p. Transl. 16292
Translation from Holz als Roh- und Werkstoff 10(3):92-94. 1952.
- *NARCHUK, E. P. Chloropidae (Diptera) of Siberia and the Soviet Far East. III. Revision of the genus Centorisoma Beck. Entomol. Rev. 44(4):542-547. Oct./Dec. 1965. 421 R322Ae
- NGO, D. D. Several experiences in Thai Binh in supervising the carrying out of the new stage of the campaign to improve the management of cooperatives, improve technology and in developing agricultural production. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:23-32. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:19-25, 34. Oct. 1966.
Issued by CFSTI.
- NGO, T. Thanh Hoa emulates in production and combat. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:44-52. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:35-41, 57. Oct. 1966.
Issued by CFSTI.
- NGUYEN, B. D. Pig breeding on the outskirts of Hanoi. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:10-15. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th
Translation from Hoc Tap 10:82-86. Oct. 1966.
Issued by CFSTI.
- *NIKOLIC, D., and others. Investigation of the fattening capacity of pure white pigs, improved breeds and their offspring. J. Sci. Agr. Res. 18(62):101-112. Ref. 1965. 21.5 Y9Ae
A. Sreckovic, M. Nikolic, and T. Bokorov, joint authors.
- *NONVILLER, G., and others. Distribution of cockchafer larvae (Melolontha melolontha L., Fam. Scarabaeidae, Coleoptera) according to biotopes in different areas. J. Sci. Agr. Res. 18(62):55-72. Ref. 1965. 21.5 Y9Ae
J. Stancic, P. Sisojevic, P. Salatic, and K. Dobrovoljevic, joint authors.
- NORTH-Korean central yearbook. 1964. 247 p. (JPRS 35,218; TT 66-31655) 173 J663Jc
Translation from selected portions of Choson Chungang Nyongam
CFSTI: \$6.00.
- *OČKOLJIC, S., and COLIC, D. Grass-legume mixtures for green feed and establishment of artificial pastures in the plains of S. R. Serbia. J. Sci. Agr. Res. 18(62):89-100. Ref. 1965. 21.5 Y9Ae
- OHARA, M. Gang saw and sawing. 2. 10 p. Transl. 16270
Translation from Mokuzai Kogyo 20(12):14-17. 1965.
- OLOVANSKI, I. Procurement prices of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 503:1-13. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663Ste
Translation from Novo Vreme 9:41-49. Sept. 1966.
Issued by CFSTI.
- ONICA, P. Considerations concerning arable land in agricultural statistics. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 503:27-35. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663Ste
Translation from Revista de Statistica 15(9): 15-22. Sept. 1966.
Issued by CFSTI.
- OSTROVSKIY, N. I., and BAN'KOVSKAYA, A. N. Ergot of wild cereals and hybrid plants as possible material for the selection of strains of Claviceps purpurea Tul. U. S. Joint Publ. Res. Serv. Transl. Med. Prom. SSSR (Med. Indus. USSR) 9:6-10. Dec. 31, 1964. (JPRS 28,068; TT 65-30025) 173 J663Tnp
Translation from Meditsinskaya Promyshlennost' SSSR 9:46-48. 1964.
CFSTI \$1.00.
- PALLOS, L. Support system for TSZs farming under adverse natural conditions. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest, Food Indus. 503:14-26. Dec. 13, 1966. (JPRS 39,084; TT 66-35507) 173 J663Ste
Translation from Kozgazdasagi Szemle 11: 1293-1303. Nov. 1966.
Issued by CFSTI.

- *PASHOVA, L. T. Calculation of average snow storage in a basin allowing for snow accumulation in the forest. Soviet Hydrol. Selec. Pap. 6:586-590. 1965. 292.8 So8
- PAZUR, K. Some economic and political problems in the private farm sector in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 498:18-33. Nov. 30, 1966. (JPRS 38,877; TT 66-35301) 173 J663Ste
- Translation from Glasnik, 10:20-29. Oct. 1966.
- Issued by CFSTI.
- *PEJKIC, B. An interesting mutant of Germersdorf cherry (Preliminary report). J. Sci. Agr. Res. 18(62):127-130. 1965. 21.5 Y9Ae
- PENKOV, D. The new system of management in agriculture and the Five-year Plan. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 494:89-91. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
- Translation from Trud, Oct. 4, 1966:2.
- Issued by CFSTI.
- PERISIC, M. Some results and experiences in the production of wheat under cooperation between private farms and agricultural cooperatives in 1960-1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 496:28-39. Nov. 28, 1966. (JPRS 38,816; TT 66-35240) 173 J663Ste
- Translation from Ekonomika Poljoprivrede 9:693-704. Sept. 1966.
- Issued by CFSTI.
- PERUN, D. Rural construction investments 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 500:6-11. Dec. 2, 1966. (JPRS 38,922; TT 66-35346) 173 J663Ste
- Translation from Nowe Drogi 11:136-141. Nov. 1966.
- Issued by CFSTI.
- PETKOV, T. The economic rights of state farms under the new economic system in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:4-8. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
- Translation from Otechnost i Kontrol, 9:370-373. Sept. 1966.
- Issued by CFSTI.
- PETKOV, TS., and others. The use of tractors on cooperative farms and machine tractor stations in 1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 495:1-4. Nov. 25, 1966. (JPRS 38,812; TT 66-35236) 173 J663Ste
- D. Peychev, M. Vasileva, and S. Minkov, joint authors.
- Translation from Mekhanizatsiya i Elektrifikatsiya 9:3-6. Sept. 1966.
- Issued by CFSTI.
- PETROV, E., and GERGOV, G. Some economic problems in the territorial planning of agricultural areas in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 483:1-17. Oct. 13, 1966. (JPRS 38,150; TT 66-34577) 173 J663Ste
- Translation from Ikonomicheskia Misul 6:23-35. July 1966.
- Issued by CFSTI.
- *PETROV, M. P. Once again about the desiccation of Asia. Soviet Geogr. Rev. Transl. 7(10):15-24. Ref. Dec. 1966. 331.8 So8
- PETROVIC, M. Monetary revenues of rural households from farms and from artisan work in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 494:15-28. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
- Translation from Ekonomika Poljoprivrede 7:529-539. July 1966.
- Issued by CFSTI.
- PETROVIC, M. The value and structure of production of village farms in dependence upon the socio-economic possessions of the households. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 505:42-55. Dec. 15, 1966. (JPRS 39,143; TT 66-35566) 173 J663Ste
- Translation from Ekonomika Poljoprivrede. 13(10):771-782. Oct. 1966.
- Issued by CFSTI.
- *PIMENOVA, M. N., ZHDANNIKOVA, E. N., and MAKSIMOVA, I. V. Identification of living and dead cells in cultures of protocoecal algae. Microbiology 34(6):946-950. Ref. Nov./Dec. 1965. 448.3 M582Ae
- PIRVULESCU, S. The application of socialist management to silviculture activities. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 502:25-28. Dec. 9, 1966. (JPRS 39,041; TT 66-35464) 173 J663Ste
- Translation from Revista Padurilor 8:432-433. Aug. 1966.
- Issued by CFSTI.
- POKROVSKIY, A. A., and PONOMAREVA, L. G. Micro express method of enzymatic detection of residual amounts of phosphor-organic insecticides. U. S. Joint Publ. Res. Serv. Transl. Gig. Sanit. (Hyg. Sanit.) USSR 8:30-42. Nov. 3, 1964. (JPRS 27,200; TT 64-51455) 173 J663Trg
- Translation from Sanitariya 29(3):53-60. 1964.
- CFSTI \$3.00.
- *POKSHISHEVSKIY, V. V. Relationships and contacts between prerevolutionary Russian and Soviet geography and foreign geography. Soviet Geogr. Rev. Transl. 7(9):56-76. Nov. 1966. 331.8 So8
- PONTE, A. M. DA. Spraying of Arabic coffee with calcium superphosphate for the control of coffee berry disease usually attributed [sic] to Colletotrichum coffeanum Noack. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, 1965. 5 p. SB741.P62
- English translation of Ainda sobre a Pulverizacao do Cafeiro Arabica com Superfosfato de Calcio contra a Antracnose on Queda dos Frutos, Normalmente Atribuıda ao Colletotrichum coffeanum Noack.
- POPOV, A., and MITOV, L. Importance of hard wheat to the national economy and possibilities of increasing its production. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 485:1-7. Oct. 24, 1966. (JPRS 38,282; TT 66-34708) 173 J663Ste
- Translation from Selskostopanska Nauka 2:3-7. Apr./June 1966.
- Issued by CFSTI.
- POPOV, P., and MACHEV, S. New varieties of field-crop plants. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:9-16. Nov. 29, 1966. (JPRS 38,859; TT 66-35283) 173 J663Ste
- Translation from Kooperativno Zemedelie. 9/10:2-5. Sept./Oct. 1966.
- Issued by CFSTI.
- POPOVICI, V. V. Raising material incentives in agricultural production cooperatives. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 492:6-21. Nov. 21, 1966. (JPRS 38,699; TT 66-35123) 173 J663Ste
- Translation from Probleme Economice 9:85-97. Sept. 1966.
- Issued by CFSTI.
- *PREOBRAZHENSKAYA, T. P., and others. The infrared spectra of actinomycete spores. Microbiology 35(1):79-82. Jan./Feb. 1966. 448.3 M582Ae
- L. B. Alukhova, V. B. Dorozhinskiy, and L. V. Ivanova, joint authors.

- *PREOBRAZHENSKIY, A. I. Economic cartography. Soviet Geogr. Rev. Transl. 7(9):37-55, map. Nov. 1966. 331.8 So8
- RACZYK, W. Important tasks in animal production in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 45:124-31. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
Translation from Przegląd Hodowlany 9:1-3, May 1966.
Issued by CFSTI.
- RADEK, S., KLECKA, M., and DUSEK, J. Fixed units and their effect on agricultural taxes. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 48:29-33. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from Ekonomika Zemelstvi 7:182-183, July 1966.
Issued by CFSTI.
- RADULOV, L. Economic unions and the law of value under socialism. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 619:1-14. Nov. 4, 1966. (JPRS 38,485; TT 66-34910) 173 J663Tre
Translation from Planovo Stopanstvo i Statistika 7:23-33, July 1966.
Issued by CFSTI.
- RANGELOV, K. N. The method of investigation of root pressure in tree species. 4 p. (TT 66-51092) Transl. 16289
Translation from Bolgarska Akademiya na Naukite. Doklady 14(4):381-384. 1961.
CFSTI: \$1.00.
- RED'KO, A. S. Improvement in railroad veterinary service. U. S. Joint Publ. Res. Serv. [Transl.] Develop. Vet. Sci. Pract. USSR, July 1, 1965:10-13. (JPRS 30,917; TT 65-31416) 173 J663Dv
Translation from Veterinariya 3:89-91. Mar. 1965.
Issued by CFSTI.
- RINDER, Zucht Haltung, Fütterung [Cattle; breeding, rearing, feeding], edited by H. G. Zschommler. Ed. 2, rev. and enl. 552 p. SF201.R5
Translation from Chov Hovazieho Dobytku.
- *RODENDORF, B. B., and TERNOVOY, V. L. A southern species of Wohlfahrtia B and B. (Diptera, Sarcophagidae) in the Kalmyk ASSR. Entomol. Rev. 44(4):493. Oct. Dec. 1965. 421 R322Ae
- ROMANOV, A. A. Interrelationships of tree and shrub species in field-protective forest plantations. 6 p. (TT 66-51086) Transl. 16288
Translation from Agrobiologiya 2(116):252-257. 1959.
CFSTI: \$1.00.
- ROSOWSKI, S. The profitability of state farms. II. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 44:77-85. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Nowe Rolnictwo 15(8):4-7. Apr. 1966.
Issued by CFSTI.
- ROSTOVITSEV, N. F., ed. Theory and practice of livestock breeding. 204 p. (TT 65-50074) SF105.R63
Translation of Teoriya i Praktika Razvedeniya Sel'skokhozyaistvennykh Zhivotnykh.
CFSTI: \$6.00.
- *ROZANOV, I. V. Review of the genera of parasitic Hymenoptera of the family Signiphoridae (Hymenoptera, Chalcidoidea). Entomol. Rev. 44(4):508-515. Ref. Oct. Dec. 1965. 421 T322Ae
- SAHACHIVIN, C. S. Cambodian Minister of Agriculture discusses problems of forestry. U. S. Joint Publ. Res. Serv. Transl. S. East Asia 138:1-4. Dec. 12, 1966. (JPRS 39,051; TT 66-35474) 173 J663Trso
Translation from Le Sangkum 13:32-33. Aug. 1966.
Issued by CFSTI.
- SANDEV, S., and DARDZHONOV, T. The prospects for use of synthetic amino acids in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 48:58-24. Oct. 24, 1963. (JPRS 38,282; TT 66-34708) 173 J663Ste
Translation from Selskостopanska Nauka 2:27-38. Apr./June 1966.
Issued by CFSTI.
- SCHINDLER, W. Information on prevalence of Aujeszky's disease. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 45:19-13. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
Translation from Die Deutsche Landwirtschaft. 17(5):529-561. May 1966.
Issued by CFSTI.
- SEKULARAC, B. Essential factors in the work of farming cooperatives in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 49:31-41. Nov. 23, 1966. (JPRS 38,75; TT 66-35199) 173 J663Ste
Translation from Privredni Pregled, Oct. 24, 1966:1-3.
Issued by CFSTI.
- SEKULARAC, B. Guaranteed and minimal prices, premiums, and discounts in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 50:11-19. Dec. 9, 1966. (JPRS 39,029; TT 66-35452) 173 J663Ste
Translation from Privredni Pregled (sup.: Propisi i Praksa), Nov. 12, 1966:1-3.
Issued by CFSTI.
- *SHALAGINA, A. I., OSTROVSKII, N. I., and BAN'KOVSKAYA, A. N. Growth of Claviceps purpurea Tul. on a herbicide-containing medium. Microbiology 35(1):38-39. Jan./Feb. 1966. 448.3 M582Ae
- SHILLINGER, Y. I., KACHKOVA, V. G., and MAGANOVA, N. B. Effect upon the organism of dogs of meat products irradiated with pasteurizing doses of gamma-radiation. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitan. (Probl. Nutr.) USSR 24(1):6-14. May 4, 1965. (JPRS 29,912; TT 65-30901) 173 J663Trvo
Translation from Voprosy Pitaniya 24(1):19-24. Jan./Feb. 1965.
CFSTI \$2.00.
- *SHPAK, I. S., and ZAPOL'SKIY, I. A. Water balance of the drained flood plain of the Trubezh River. 1960-1963. Soviet Hydrol. Selec. Pap. 6:572-579, map. 1965. 292.8 So8
- *SHAKEL'BERG, A. A. New data on the taxonomy of Palearctic hover flies (Diptera, Syrphidae). Entomol. Rev. 44(4):528-537. Ref. Oct. Dec. 1965. 421 R322Ae
- SHVARTS, V. Need for increased production in food industry cited. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 158:16-22. Dec. 15, 1966. (JPRS 39,140; TT 66-35563) 173 J663Tro
Translation from Planovoye Khozyaystvo 6:19-23. June 1966.
Issued by CFSTI.
- SILBIGER, S. The social plan for the development of agriculture and storage and transportation problems. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 48:16-28. Oct. 13, 1966. (JPRS 38,136; TT 66-34563) 173 J663Ste
Translation from Glasnik 8'9:3-9. Aug./Sept. 1966.
Issued by CFSTI.
- SIRADOVIC, B. Investments in fixed assets in agriculture, 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 49:42-49. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
Translation from Privredni Pregled, Oct. 1, 1966:4.
Issued by CFSTI.

- SRADOVIC, B. Status of agricultural machinery and equipment on Yugoslavia's farms. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:125-136. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Jugoslovenski Pregled 11: 425-428. Nov. 1965.
Issued by CFSTI.
- SRNSKY, B., and PELA, M. Interest and credit in the improved management system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488: 34-40. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from Ekonomika Zemedelstvi 7:183-185. July 1966.
Issued by CFSTI.
- STAIU, I. Scientific research and technological advances in agriculture [in] Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:114-118. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Romania Libera 29(6695): 1,3. Apr. 1966.
Issued by CFSTI.
- STANESCU, N., and HILMU, M. Principles of profitability at state farms. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:27-36. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Translation from Viata Economica 4(43): 12-13. Oct. 28, 1966.
Issued by CFSTI.
- STARNOVSKY, Z. Application of new management system in agriculture; the role of prices in the new management system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 488:1-11. Nov. 7, 1966. (JPRS 38,505; TT 66-34930) 173 J663Ste
Translation from Ekonomika Zemedelstvi 7:173-176. July 1966.
Issued by CFSTI.
- STATKOV, N. Status and prospects of development of the forest exploitation industry in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 502:1-7. Dec. 9, 1966. (JPRS 39,041; TT 66-35464) 173 J663Ste
Translation from Revista Padurilor 81(9): 492-494. Sept. 1966.
Issued by CFSTI.
- STEBLYUK, P. N. Accelerated method of bacteriological diagnosis of salmonellae in meat by means of luminescent microscopy. U. S. Joint Publ. Res. Serv. Transl. Vop. Pitan. (Probl. Nutr.) USSR 24(1):1-5. May 4, 1965. (JPRS 29,912; TT 65-30901) 173 J663Trvo
Translation from Voprosy Pitaniya 24(1):16-18. Jan./Feb. 1965.
CFSTI \$2.00.
- *STOJICEVIC, D., and others. Soil reclamation and hydrological characteristics in Donje Polje, Surcin, with regard to drainage and irrigation. J. Sci. Agr. Res. 18(62):5-29, map. 1965. 21.5 Y9Ae
N. Pejkoivic, R. Corovic, and S. Moskovljevic, joint authors.
- SZEMBERG, A. Changes in Agrarian structure in 1963-1965. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 487:10-26, map. Oct. 28, 1966. (JPRS 38,375; TT 66-34801) 173 J663Ste
Translation from Nowe Drogi 10:41-53. Oct. 1966.
Issued by CFSTI.
- SZERSZEN, B. The mineral fertilizer supply for agriculture in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 451:19-23. July 1, 1966. (JPRS 36,304; TT 66-32736) 173 J663Ste
Translation from Wiadomosci Melioracyjne i Lakarskie, 2:42-43. Mar./Apr. 1966.
Issued by CFSTI.
- *TADIC, M. Telenomus terebrans Ratz, egg parasite of Malacosoma neustria L. in Yugoslavia. J. Sci. Agr. Res. 18(62):73-87. 1965. 21.5 Y9Ae
- *TASHPULATOV, ZH. Cellulolytic enzymes of a thermophilic strain and a mesophilic strain of Aspergillus fumigatus. Microbiology 35(1): 22-27. Jan./Feb. 1966. 448.3 M582Ae
- TECHMA, J. The tasks of the state machine stations. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504: 13-26. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Translation from Mechanizacja Rolnictwa 19: 11-14. Oct. 1966.
Issued by CFSTI.
- TEJCHMA, J. Tasks of state machine centers in implementation of agricultural mechanization program. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 486:35-47. Oct. 27, 1966. (JPRS 38,350; TT 66-34778) 173 J663Ste
Translation from Wies Wspolczesna 8:11-20. Aug. 1966.
Issued by CFSTI.
- TIT, T. Scientific organization of production in forestry. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:119-124. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J663Ste
Translation from Muncitural Forestier. Mar. 23, 1966.
Issued by CFSTI.
- *TOBIAS, V. I. Generic groupings and evolution of parasitic Hymenoptera of the subfamily Euphorinae (Hymenoptera, Braconidae). Entomol. Rev. 44(4):494-507. Ref. Oct./Dec. 1965. 421 R322Ae
- TRAUTMAN, J. Simmental cattle breeding in people's democracies. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 504:7-12. Dec. 15, 1966. (JPRS 39,128; TT 66-35551) 173 J663Ste
Translation from Przegląd Hodowlany 35(19): 18-19. Oct. 1-15, 1966.
Issued by CFSTI.
- *TRYAPITSYN, V. A. New species of encyrtid parasites (Hymenoptera, Encyrtidae) from the Maritime Territory. Entomol. Rev. 44(4):516-527. Ref. Oct./Dec. 1965. 421 R322Ae
- TSANEV, A. Stable and constantly growing farm yields. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 482:1-8. Oct. 13, 1966. (JPRS 38,136; TT 65-34563) 173 J663Ste
Translation from Naruchnik na Agitators 16/17:54-64. Aug. 1966.
Issued by CFSTI.
- *TSARENKO, E. I. Effect of reservoirs on streamflow in the Ukraine. Soviet Hydrol. Selec. Pap. 6:591-596, map. 1965. 292.8 So8
- *TSYGANOV, V. A., NAMESTNIKOVA, V. P., and KRASKOVA, N. V. Composition of desoxyribonucleic acids in members of different genera of Actinomycetes. Microbiology 35(1):75-78. Ref. Jan./Feb. 1966. 448.3 M582Ae
- UNGUR, A. Management of Rumanian forestry resources. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 444:85-88. Nov. 23, 1966. (JPRS 38,775; TT 66-35199) 173 J663Ste
Translation from Muncitural Forestier 18 (653):1-2. Oct. 5, 1966.
Issued by CFSTI.
- VAKLINOV, V. The achievements and prospects for the Bulgarian food industry. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 492:1-5. Nov. 21, 1966. (JPRS 38,699; TT 66-35123) 173 J663Ste
Translation from Khranitelna Promishlenost. 7:1-3. Aug. 1966.
Issued by CFSTI.

VASHKOV, V. I. Forms of application of insecticides. 48 p. July 7, 1966. (JPRS 36,354; TT 66-32786) Transl. 16154

Translation from Insektitsidy i ikh Primenie-nie v Meditsinskoi Praktike Ch. 11:221-225. 1965.

CFSTI: \$2.00

VASILEV, D. Structural changes in Bulgarian foreign trade in the fourth Five-year Plan period. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 303:1-10. Oct. 17, 1966. (JPRS 38,180; TT 66-34607)

173 J663Tree
Translation from Vunshna Turgoviya 9:9-13. Sept. 1966.

Issued by CFSTI.

VELCHEV, D. Crop insurance in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 497:1-3. Nov. 29, 1966. (JPRS 38,859; TT 66-35283)

173 J663Ste
Translation from Ikonomicheski Zhivot. 13: 14. Oct. 11, 1966.

Issued by CFSTI.

VELEBA, V. Remuneration under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 489:1-11. Nov. 10, 1966. (JPRS 38,588; TT 66-35013)

173 J663Ste
Translation from Ekonomika Zemelstvi. 8:208-211. Aug. 1966.

Issued by CFSTI.

*VINOGRADOVA, N. M. Permanent habitats of *Eurygaster integriceps* Put. (Heteroptera, Scutelleridae) in wild grasses. Entomol. Rev. 44(4):427-432. Oct./Dec. 1965. 421 R322Ae

*VIOLOVICH, N. A. The blood-sucking Diptera of Tuva. Entomol. Rev. 44(4):489-492. Oct./Dec. 1965. 421 R322Ae

VU, H. H. Some experiences in the guidance of the campaign to improve the management of cooperatives and techniques and to develop agricultural production in the Hai Hau district. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 10:33-43. Dec. 8, 1966. (JPRS 39,019; TT 66-35442) 173 J663Th

Translation from Hoc Tap 10:26-34. Oct. 1966.

Issued by CFSTI.

WOLF, E., and BENDA, I. Quality and resistance. III. The food discriminating ability of the *Drosophila melanogaster* between natural species and races of the wine yeasts. 7 p. Transl. 16092

Translation from Biologisches Zentralblatt 84(1):1-8. Jan./Feb. 1965.

YAGOVOL, P. N., SHENDEVITSKII, V. I., and IVCHIK, N. N. Retention of radioactive dust by greenery. 6 p. Ref. (JPRS 37,629; TT 66-34057) Transl. 16301

Translation from Gigiena i Sanitariya 7:88-90. 1966.

CFSTI: \$1.00.

YEMEL'YANOV, A. Improvements needed in system of remuneration of labor in the kol-khozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 136:14-28. Oct. 18, 1966.

(JPRS 38,217; TT 66-34644) 173 J663Tou
Translation from Voprosy Ekonomiki, Mar. 1966:63-74.

Issued by CFSTI.

*YEVLA KHOVA, A. A., and SHVETSOVA, O. I. Basic aspects of research on the microbiological control of insect pests. Entomol. Rev. 44(4):423-426. Ref. Oct./Dec. 1965. 421 R322Ae

*YUROVSKAYA, G. B. Pathological changes in the tissues of the chick embryo at various ages caused by the action of a virus. Bull. Exp. Biol. Med. 60(11):1284-1286. Nov. 1965. 442.8 B87Ae

*ZAITSEVA, G. N., and VEDENINA, L. YA. Electrophoretic study of cytoplasmic proteins of *Azotobacter vinelandii* in the process of synchronous development. Microbiology 34(6): 827-832. Ref. Nov./Dec. 1965. 448.3 M582Ae

ZAKLADNOV, V. Material incentives and increasing the efficiency of agricultural production. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 144:1-11. Nov. 14, 1966.

(JPRS 38,608; TT 66-35033) 173 J663Tou
Translation from Sotsialisticheskiy Trud 8:93-100. Aug. 1966.

Issued by CFSTI.

*ZEREMSKI, D., and MITROVIC, D. Winter feeding of dairy cows; the effect of increasing ration concentrations on cow productivity and milk quality. J. Sci. Agr. Res. 18(62):113-126. Ref. 1965. 21.5 Y9Ae

ZHELUDKOV, A. A major reserve for improving the Soviet lumber industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 145:3-12. Oct. 11, 1966.

(JPRS 38,091; TT 66-34518) 173 J663 Tro
Translation from Planovoye Khozaystvo 8: 17-24. Aug. 1966.

Issued by CFSTI.

ZIEGLER, S., and OELSCHLEGEL, G. New regulations concerning management of cooperative and private forests in East Germany. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445:39-46. June 20, 1966. (JPRS 36,072; TT 66-32506)

173 J663Ste
Translation from Die Sozialistische Forstwirtschaft 16(5):137-140. May 1966.

Issued by CFSTI.

*ZIMIN, L. S. New parasitic flies of the tribe Tachinini (Diptera, Larvaevoridae) from the USSR. Entomol. Rev. 44(4):548-550. Oct./Dec. 1965. 421 R322Ae

ZOLOTOREY, Y. K., and YELIZAROV, Y. A. Investigation of the chemoreception in insects and ticks: the peculiarities of the functioning of chemoreceptors in *Hyalomma asiaticum* P. Sch. et E. Sch. under the action of repellents. U. S. Joint Publ. Res. Serv. Transl. Zool. Zh. (Zool. J.) USSR 4:47-63. Ref. (JPRS 25,428; TT 64-31701) 173 J663Tz

Translation from Zoologicheskii Zhurnal 43(4):549-559. Apr. 1964.

CFSTI \$1.75.

*ZOTIMOV, N. V. A surface method of measuring the water equivalent of snow by means of soil radioactivity. Soviet Hydrol. Selec. Pap. 6:537-547. Ref. 1965. 292.8 So8

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Publications in the various United States Department of Agriculture series are listed first, followed by publications issued by the various agencies within the Department, arranged alphabetically by name of agency.

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Agricultural Economic Reports

HARRIS, E. S. Price wars in city milk markets. U. S. D. A. Agr. Econ. Rep. 100,95 p., map. Oct.1966. A281.9 Ag8A

Agriculture Handbooks

BOTTS, R. R. Farmers' handbook of financial calculations and physical measurements. U. S. D. A. Agr. Handbook 230, rev., 56 p. Nov. 1966. 1 Ag84Ah

PETERS, E. J., STRITZKE, J. F., and DAVIS, F. S. Wild garlic [*Allium vineale*], its characteristics and control. U. S. D. A. Agr. Handbook 298, 23 p. Ref. Dec.1965. 1 Ag84Ah
Missouri Agricultural Experiment Station, cooperating.

SMITH, M. A., MCCOLLOCH, L. P., and FRIEDMAN, B. A. Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables. U. S. D. A. Agr. Handbook 303, 82 p. Sept.1966. 1 Ag84Ah
Bibliography, p.56-65.

Agriculture Information Bulletins

NIXON, R. W. Growing dates in the United States. U. S. D. A. Agr. Inform. Bull. 207, slightly rev., 56 p. Oct.1966. 1 Ag84Ab
Bibliography, p.51-56.

Farmers' Bulletins

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Breeds of swine. U. S. D. A. Farmers' Bull. 1263, rev., 10 p. Nov.1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Slaughtering, cutting, and processing lamb and mutton on the farm. U. S. D. A. Farmers' Bull. 2152, slightly rev., 16 p. Nov.1966. 1 Ag84F

HINER, R. L. Slaughtering, cutting, and processing beef on the farm. U. S. D. A. Farmers' Bull. 2209, slightly rev., 32 p. Dec.1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Raising livestock on small farms. U. S. D. A. Farmers' Bull. 2224, 22 p. Ref. Dec.1966. 1 Ag84F

Foreign Agricultural Economic Reports

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. The world agricultural situation, review of 1966 and outlook for 1967. U. S. D. A. Foreign Agr. Econ. Rep. 33, 41 p., map. Jan.4,1967. A281.9 Ag8F
U. S. Foreign Agricultural Service, cooperating.

Home and Garden Bulletins

U. S. DEPT. OF AGRICULTURE. Family food stockpile for survival. U. S. D. A. Home Gard. Bull. 77, slightly rev., 16 p. Nov.1966. 1 Ag84Hg

U. S. Office of Civil Defense, cooperating.
U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Storing perishable foods in the home. U. S. D. A. Home Gard. Bull. 78, slightly rev., 12 p. Oct. 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing Camellias. U. S. D. A. Home Gard. Bull. 86, slightly rev., 12 p. Nov.1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Poultry in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 110, slightly rev., 30 p. Nov.1966. 1 Ag84Hg

Leaflets

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Production of turnips and rutabagas. U. S. D. A. Leaf. 142, rev., 8 p.-folder. Sept.1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Silverfish [*Leptisma saccharinal*] and firebrats [*Thermobia domestica*]. U. S. D. A. Leaf. 412, slightly rev., 6 p.-folder. Sept.1966. 1 Ag84L

Miscellaneous Publications

U. S. SOIL CONSERVATION SERV. Students—start your career in SCS before you graduate. U. S. D. A. Misc. Publ. 714, rev., 8 p.-folder. Sept.1966. 1 Ag84M

DOUB, A., and WOLFE, A. Tobacco in the United States; production, marketing, manufacturing, exports. U. S. D. A. Misc. Publ. 867, rev., 62 p., map. Ref. p.60-62. Oct.1966. 1 Ag84M

BRITT, C. S. Soil and water conservation research in the Northeastern States. U. S. D. A. Misc. Publ. 984, rev., 24 p., map. Nov.1966. 1 Ag84M

BANKS, V. J., MANNY, E. S., and LERAY, N. L. Research data on minority groups; an annotated bibliography of Economic Research Service reports, 1955-1965. U. S. D. A. Misc. Publ. 1046, 25 p. Nov. 1966. 1 Ag84M

Program Aid

U. S. SOIL CONSERVATION SERV. Soil conservation districts: what they are, how they work, how SCS helps them. U. S. D. A. PA-417, slightly rev., 8 p., map. Nov. 1966. 1 Ag84Pro

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. What you should know about hog cholera. U. S. D. A. PA-577, rev., 8 p., folder. Sept. 1966. 1 Ag84Pro

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Questions and answers about eradicating hog cholera. U. S. D. A. PA-628, slightly rev., 8 p., folder. Nov. 1966. 1 Ag84Pro

U. S. FOREST SERV. Forest products utilization and marketing assistance for woodland owners, loggers, processors. U. S. D. A. PA-752, 8 p., folder. Dec. 1966. 1 Ag84Pro

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Seed; what producers, processors, distributors, and suppliers should do with seed in a national emergency. U. S. D. A. PA-753, 8 p., folder. Sept. 1966. 1 Ag84Pro

U. S. FOREST SERV. Multiple use management; forest conservation for a growing nation. U. S. D. A. PA-770, 8 p., folder. Sept. 1966. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE. USDA leadership for a more beautiful countryside. U. S. D. A. PA-779, 15 p. Oct. 1966. 1 Ag84Pro

Technical Bulletins

DANIELS, R. B., and JORDAN, R. H. Physiographic history and the soils, entrenched stream systems, and gullies, Harrison County, Iowa. U. S. D. A. Tech. Bull. 1348, 132 p., map. Sept. 1966. 1 Ag84Te

Bibliography, p. 82-87.
Stratigraphy and geomorphology, by R. B. Daniels; Soils, by R. B. Daniels and R. H. Jordan; Stream trenching and valley-slope gullies, by R. B. Daniels.

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. Agricultural statistics, 1966. Washington, 1966. 636 p. 1 Ag84Yas

U. S. DEPT. OF AGRICULTURE. PLANT SCIENCE AND ENTOMOLOGY RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at meeting, March 1-5, 1965, Silver Spring and Beltsville, Maryland. Washington, Research Program Development and Evaluation Staff, 1965. 11 p. A819U5

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1963 Cropland Conversion program: status as of December 31, 1965. Washington, 1966. 50 p., map. A8D1753.A3

AGRICULTURAL RESEARCH SERVICE

BURT, E. C., MERKL, M. E., and DAVICH, T. B. Boll weevil (*Anthonomus grandis*) control in a field experiment with a machine designed to destroy shed cotton squares. U. S. Agr. Res. Serv. ARS-42-121, 5 p. Aug. 1966. A58.9 R31

DUDLEY, R. F., and RIDGWAY, R. L. Applicator for precision replacement of chemicals in soil. U. S. Agr. Res. Serv. ARS-42-123, 8 p. Oct. 1966. A58.9 R31

Texas Agricultural Experiment Station, cooperating.

GARDNER, H. R., and HANKS, R. J. Effect of sample size and environmental conditions on evaporation of water from soil. U. S. Agr. Res. Serv. Conserv. Res. Rep. 9, 14 p. Nov. 1966. A279.9 Ag8

Colorado Agricultural Experiment Station, cooperating.

GRAVES, A. H., and WINTER, D. W. Unloading boxcars of grain at terminal elevators in the Hard Winter Wheat Area. U. S. Agr. Res. Serv. ARS-52-15, 26 p. Aug. 1966. A289.9 R31

HERMSMEIER, L. F. Hydraulic conductivity and other physical characteristics of some "wet" soils in southwestern Minnesota. U. S. Agr. Res. Serv. ARS-41-127, 17 p. Nov. 1966. A56.9 R31

U. S. Soil Conservation Service and Minnesota Agricultural Experiment Station, cooperating.

HOLTON, C. S., and MURPHY, H. C. Reactions of oat varieties to races of loose and covered smuts. U. S. Agr. Res. Serv. ARS-34-83, 12 p. Aug. 1966. A64.9 R31A

Washington Agricultural Experiment Station, cooperating.

NATIONAL CONFERENCE ON WHEAT UTILIZATION RESEARCH, 4, BOISE, IDAHO, 1965. [Report]. U. S. Agr. Res. Serv. ARS-74-35, 108 p. Apr. 1966. A381 R31Ab

Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division of the U. S. Department of Agriculture's Research Service.

RICE TECHNICAL WORKING GROUP, 10. DAVIS, CALIF., 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-39, 111 p. Oct. 1965. A381 R31

Agricultural Experiment Stations and Extension Services of Arkansas, California, Louisiana, Mississippi, and Texas; and U. S. Department of Agriculture, cooperating.

Abstracts of papers.
Bibliography, p. 103-108.

SAVESON, I. L., LUND, Z. F., and DAVIDSON, L. G. Deep-tillage investigations on alluvial soil in the sugarcane area of Louisiana. U. S. Agr. Res. Serv. ARS-41-123, 21 p., map. Oct. 1966. A56.9 R31

Louisiana Agricultural Experiment Station, cooperating.

TECHNICAL ALFALFA CONFERENCE, 9. LINCOLN, NEBRASKA, 1965. Proceedings. U. S. Agr. Res. Serv. ARS-74-36, 76 p. 1965. A381 R31Ab

Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division, U. S. Agricultural Research Service; cosponsored by American Dehydrators Association and the Nebraska Agricultural Experiment Station.

Includes introductory remarks by G. O. Kohler.

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State-Federal Brucellosis Eradication Program, statistical tables, fiscal year 1966. Washington, 1966. 7 p. A41.9 R314cb

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. CROPS PROTECTION RESEARCH BR. Nematology literature list, 1965, by G. S. Cobb and D. F. Miles. Beltsville, Maryland, 1966. 85 p. (Its CR-38-66) A241.7 R313

U. S. AGRICULTURAL RESEARCH SERV. SOIL AND WATER CONSERVATION RESEARCH DIV. NORTHERN PLAINS BR. Conservation research at the Central Great Plains Field Station, Akron, Colorado, by B. W. Greb and R. H. Mickelson. Akron, Colorado, 1965. 16 p., map. A5622.A5U5

Colorado Agricultural Experiment Station, cooperating.

CONSUMER AND MARKETING SERVICE

- U. S. CONSUMER AND MARKETING SERV. National Food Buyers Quiz: questions and answers. U. S. Consum. Marketing Serv. C&MS-51,8 p. Nov.1966. A280.39 C762
- U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring potatoes. U. S. Consum. Marketing Serv. AMG 53, 36 p. Nov.1966. A281.3919 M34
- U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring vegetables and melons. U. S. Consum. Marketing Serv. AMG 52,52 p. Nov.1966. A281.3919 M34

ECONOMIC RESEARCH SERVICE

- GERALD, J. O., and DEWOLFE, M. R. The freight car situation and prospects. U. S. D. A. Econ. Res. Serv. ERS-331,14 p. Ref. Nov. 1966. A281.9 Ag83E

FARMER COOPERATIVE SERVICE

- BAILEY, J. M. Two supply cooperatives serving low-income farmers; a preliminary analysis in Appalachia. U. S. Farmer Coop. Serv. Gen. Rep. 138,19 p. Nov.1966. A280.29 F22G
- DAVIDSON, D. R. Methods and policies used in making patronage refunds by selected farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rep. 137,22 p.,map. Oct.1966. A280.29 F22G

FARMERS HOME ADMINISTRATION

- U. S. FARMERS HOME ADMIN. Press reports: building rural America; rural areas development. Washington, 1966. 51 p. aHD1753.F2

FEDERAL EXTENSION SERVICE

- FRUTCHEY, F. P., and WILLIAMS, W. K. Motivations of small-woodland owners; a summary of nine State studies. U. S. D. A. Fed. Ext. Serv. ER&T-62,15 p. Apr.1965. A99.551 F94

FOREIGN AGRICULTURAL SERVICE

- LLODY, G. Canadian wheat marketing. U. S. Foreign Agr. Serv. FAS-M-140,rev.,14 p.,map. Dec.1966. A281.9 F76Fm
- U. S. FOREIGN AGRICULTURAL SERV. The U.S. agricultural attache; his history and his work. U. S. Foreign Agr. Serv. FAS-M-91, 10 p. Nov.1966. A281.9 F76Fm

FOREST SERVICE

- COMSTOCK, G. L. Dimensional changes in kiln-dried softwood lumber after surfacing and during storage. U. S. Forest Serv. Res. Note FPL-0144,20 p. Sept.1966. A99.9 F7634Un
- COST, N. D. Pulpwood prices in the Southeast, 1963-1965. U. S. Forest Serv. Res. Note SE-65,2 p. Oct.1966. A99.9 F7623Un
- CUSHWA, C. T., and REDD, J. B. One prescribed burn and its effects on habitat of the Powhatan game management area. U. S. Forest Serv. Res. Note SE-61,2 p. Sept.1966. A99.9 F7623Un
- DROOZ, A. T. Obtaining individual eggs from an egg-mass-depositing insect. U. S. Forest Serv. Res. Note SE-57,2 p. June 1966. A99.9 F7623Un
- ESLYN, W. E. Relation of visual estimates of decay to specific gravity loss in stored cottonwood and willow. U. S. Forest Serv. Res. Note FPL-0143,5 p. Sept.1966. A99.9 F7634Un

- FOSBERG, M. A., O'DELL, C. A., and SCHROEDER, M. J. Some characteristics of the three-dimensional structure of Santa Ana winds. U. S. Forest Serv. Res. Paper PSW-30,35 p.,map. Ref. 1966. A99.9 F7652P

- JAMES, G. A., and RICH, J. L. Estimating recreation use on a complex of developed sites. U. S. Forest Serv. Res. Note SE-64, 8 p.,map. Sept.1966. A99.9 F7623Un

- KLAUITTER, R. A. Early response of pole-sized slash pine to drainage. U. S. Forest Serv. Res. Note SE-63,2 p. Sept.1966. A99.9 F7623Un

- KRUGMAN, S. L. Artificial ripening of sugar pine [*Pinus lambertiana*] seeds. U. S. Forest Serv. Res. Paper PSW-32,7 p. Ref. 1966. A99.9 F7652P

- LANNER, R. M. The phenology and growth habits of pines in Hawaii. U. S. Forest Serv. Res. Paper PSW-29,25 p. Ref.,p.24-25. 1966. A99.9 F7652P

- MALCOLM, F. B., and REINEKE, L. H. Knee position recorder for sawmill carriage head-blocks. U. S. Forest Serv. Res. Note FPL-0139,12 p. Aug.1966. A99.9 F7634Un

- ROY, D. F. Silvical characteristics of redwood (*Sequoia sempervirens* [D. Don] Endl.). U. S. Forest Serv. Res. Paper PSW-28,20 p.,map. Ref.,p.14-16. 1966. A99.9 F7652P

- U. S. FOREST SERV. Gifford Pinchot National Forest; progress report, 1966. Vancouver, Washington, 1967. 20 p.,map. A99.9 G36

- U. S. FOREST SERV. Profits in the Western timber industries. Washington, 1966. 88 p. aHD9757.A4

- U. S. FOREST SERV. Winema National Forest; multiple use progress for 1965. Klamath Falls, Oregon, 1966. 22 p.,map. aSD428.W5A3

- YOUNG, C. E., and HENDERSON, J. E. An overflow system for a standard U.S. Weather Bureau evaporation pan. U. S. Forest Serv. Res. Note SE-60,2 p. Sept.1966. A99.9 F7623Un

- YOUNG, C. E. Soil sampling small wetland forest plots in the coastal plain. U. S. Forest Serv. Res. Note SE-59,2 p. June 1966. A99.9 F7623Un

INTERNATIONAL AGRICULTURAL DEVELOPMENT SERVICE

- U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Soil and water conservation report, Ecuador, by L. G. Wolfe. April-June, 1966. Lincoln, Nebraska, 1966. 40 p.,map. aS599.E2W6

SOIL CONSERVATION SERVICE

- DEAL, J., and others. Soil survey of Foundation County, Indiana. U. S. Soil Conserv. Serv. Soil Surv. Serv. 1961(40),122 p.,map. Ref. May 27,1966. 1 So32F

- K. K. Huffman, C. Guernsey, and R. H. Sturm, joint authors.

- Purdue University Agricultural Experiment Station, cooperating.

- SCHWARTZ, R. L., and others. Soil survey of Fisher County, Texas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(39),76 p.,map. Jan.1966. 1 So32F

- W. L. Delozier, A. R. Goerdel, K. T. Lofton, and W. E. Beckham, joint authors.
Texas Agricultural Experiment Station, cooperating.

- U. S. SOIL CONSERVATION SERV. Soil survey interpretations for woodland conservation; progress report, Puget Sound Trough Area, Washington, by F. E. Schlots and A. N. Quam. Spokane, 1966. 106 p.,map. Ref. aS591.S3

U. S. SOIL CONSERVATION SERV. Soil survey of Rogers County, Oklahoma, by D. J. Polone. Washington, 1966. 65 p., map. aS591.A3P6

Oklahoma Agricultural Experiment Station, cooperating.

WATSON, B. G., and others. Soil survey of Lafayette County, Wisconsin. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1960(27), 137 p., map. Aug. 1966. 1 So32F

B. S. Butman, S. W. Torrance, J. J. Sund, S. M. Shivers, B. G. Watson, joint authors. University of Wisconsin, Wisconsin Geological and Natural History Survey, Soil Survey Division, and Wisconsin Agricultural Experiment Station, cooperating.

STATISTICAL REPORTING SERVICE

U. S. CROP REPORTING BOARD. Citrus fruits; by States, 1964-65 and 1965-66; production, use, value. Washington, 1966. 9 p. 1.941 H8C49

U. S. CROP REPORTING BOARD. Crop production, 1966 annual summary; acreage, yield, production, by States. Washington, 1966. 100 p. 1.9 St2Cb

U. S. CROP REPORTING BOARD. Crop values; season average prices received by farmers and value of production, 1965 and 1966, by States. Washington, 1966. 35 p. 1.941 F8Se1

U. S. CROP REPORTING BOARD. Directory of refrigerated warehouses in the United States. U. S. D. A. Statist. Rep. Serv. SRS-1, rev. 55 p. Nov. 1966. A280.9 Ag83

U. S. CROP REPORTING BOARD. Field seeds—supply and disappearance; United States average, 1960-64, annual 1964, 1965 and 1966. Washington, 1966. 7 p. A61.9 M34F

U. S. CROP REPORTING BOARD. Peanut stocks and processing; seasonal report, August 1965-July 1966. Rev. Washington, 1966. 6 p. 1.941 M8P31

U. S. CROP REPORTING BOARD. Seed crops, 1966 annual summary; acreage, yield, production, season average price, and value of production, by States, with comparisons. Washington, 1966. 19 p. 1.9 Ec712C

U. S. CROP REPORTING BOARD. Vegetables—fresh market; 1966 annual summary, acreage, production and value of principal commercial crops by seasonal groups and States. Washington, 1966. 63 p. 1.941 H8V525

U. S. CROP REPORTING BOARD. Vegetables—processing; 1966 annual summary, acreage, production and value of principal commercial crops, by States. Washington, 1966. 27 p. 1.941 M6C73

STATE AGRICULTURAL EXPERIMENT STATION
PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are usually available from the issuing experiment station, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

Alabama Agricultural Experiment Station, Auburn

CARLTON, C. C., and others. Performance of peach varieties for commercial production in central Alabama. Ala. Agr. Exp. Sta. Leaf. 72, 8 p. Oct. 1966. 100 AL1S
K. C. Short, H. J. Amling, and W. A. Dozier, joint authors.

HIGHLIGHTS of agricultural research 13(4), 16 p. Winter 1966. 100 AL1H

Colorado Agricultural Experiment Station, Fort Collins

MAY, J. W., and FULTS, J. Turfgrass varieties for Colorado, a progress report. Colo. Agr. Exp. Sta. Pam. 6-S, 6 p., folder. June 1966. 100 C712P

MAY, J. W., and HEPWORTH, H. M. New chemical for control of bluebell, black medic, and yarrow in bluegrass turf. Colo. Agr. Exp. Sta. Pam. 7-S, 3 p. June 1966. 100 C712P

SWINK, J. F., HAUS, T. E., and CURTIS, B. C. Small grain tests. Colo. Agr. Exp. Sta. Colo. Progr. Rep. PR 194, 2 p. Sept. 1966. 100 C71C

COLORADO farm and home research 17(1), 12 p. Fall 1966. 100 C712C

Connecticut (Storrs) Agricultural Experiment Station, Storrs

LENT, J. M., and SCARCHUK, J. The effects of soil applied borax on the yield and composition of some common vegetables. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 8, 46 p. Ref., p. 35-37. Apr. 1966. 100 C76Re

Florida Everglades Experiment Station, Belle Glade

GUZMAN, V. L. Performance tests with bush snap beans. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-2, 7 p. Aug. 1966. 100 F663
Not available free from issuing agency. Photocopies may be ordered from the Library.

ORSENIGO, J. R. Sugarcane herbicides for the Florida everglades. Fla. Everglades Exp. Sta. Mimeo Rep. EES 67-3, 3 p. Sept. 1966. 100 F663

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Florida Agricultural Experiment Station, Indian River Field Laboratory

KRETSCHMER, A. E. Sorghum and millet production on south Florida mineral soils. Fla. Agr. Exp. Sta. Indian River Field Lab. Mimeo Rep. IRL 66-5, 13 p. June 1966. 100 F664
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Idaho Agricultural Experiment Station, Moscow

WATSON, R. D. "Low mosaic" lettuce seed production. Idaho. Agr. Exp. Sta. Bull. 467, 25 p. Ref. Aug. 1966. 100 Id14

WOODBURY, G. W. Increasing vegetable production with plastics. Idaho. Agr. Exp. Sta. Bull. 474, 8 p. Oct. 1966. 100 Id14

MAROUSEK, G. E. Production and distribution of south Idaho wheat, 1963-64. Idaho Agr. Res. Progr. Rep. 102, 38 p., map. Apr. 1965. S53.E2

Indiana Agricultural Experiment Station, Lafayette

SNYDER, J. C., and SWACKHAMER, G. L. Management planning and control systems. Ind. Agr. Exp. Sta. Res. Bull. 809, 32 p. Ref. June 1966. 100 In2P

LAVIOLETTE, F. A., PROBST, A. H., and WILCOX, J. R. Indiana soybean disease and crop condition survey, 1966. Ind. Agr. Exp. Sta. Res. Progr. Rep. 268, 4 p. Oct. 1966. 100 In2Res

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Progress report for 1964 and 1965. North Louisiana Experiment Station, Calhoun, Louisiana. n.p., 1965. 76 p. 100 L93

LOUISIANA agriculture 10(1), 16 p. Fall 1966. 100 L939

Maine Agricultural Experiment Station, Orono

MACKINNON, A. W., and others. A comparison of food prices in Boston, Massachusetts and Bangor, Maine: December, 1965; a report of the Economics Research Seminar, College of Business Administration, University of Maine. Maine. Agr. Exp. Sta. Bull. 641, 27 p. May 1966. 100 M28S
B. G. Marsh, J. C. Dean, and R. E. Vizard, joint authors.

NORTH AMERICAN BLUEBERRY WORKERS CONFERENCE. ORONO, MAINE. 1963. Proceedings, edited by W. J. Kender and D. A. Abdalla. Maine. Agr. Exp. Sta. Misc. Rep. 118, 152 p. 1966. 100 M28M

MAINE farm research 14(2), 45 p. July 1966. 100 M28Ma

Michigan Agricultural Experiment Station, East Lansing

FOTH, H. D., and others. Effect of deep plowing on the productivity of the Conover loam. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):4-11. Aug. 1966. 100 M58S

C. M. Hansen, A. E. Erickson, and L. S. Robertson, joint authors.

PARFITT, R. L., and ELLIS, B. G. Studies on Michigan agricultural limestones. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):12-23. Ref. Aug. 1966. 100 M58S

AULERICH, R. J., and SCHABLE, P. J. Simple method of processing "spent" chickens for mink feeding and their use during late growth and furring. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):24-27. Aug. 1966. 100 M58S

DIENER, R. G., BRADLEY, W. A., and MASE, G. E. A deflection algorithm and viscoelastic model for determining relaxation modulus from a simple bending test. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):28-42. Aug. 1966. 100 M58S

PARKS, M. S., ZABIK, M. E., and STINE, C. M. Substitution of foam spray-dried acid whey solids for buttermilk solids in chocolate cake. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):43-50. Aug. 1966. 100 M58S

EMBS, R. J., and MARKAKIS, P. Enzymatic conversion of p-coumaric acid to caffeic acid. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):51-54. Aug. 1966. 100 M58S

GUREVITZ, D., and PFLUG, I. J. Measurement and control of carbon dioxide and oxygen in controlled atmosphere storages. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):55-63. Ref. Aug. 1966. 100 M58S

DUVICK, R. D. Part-time farming in two areas of southern Michigan, 1959 & 1963: changes and similarities. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):64-76, map. Aug. 1966. 100 M58S

MAGRABI, F. M., KING, M. P., and MEAD, M. J. Gathering economic and demographic data by mailed questionnaire. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):77-89. Aug. 1966. 100 M58S

HOWITT, A. J., and others. Aerial and ground ultra low volume applications in the control of diseases and pests attacking deciduous fruits. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):90-102. Aug. 1966. 100 M58S

E. J. Klos, P. Corbett, and A. Pshea, joint authors.

BUTCHER, J. W., and others. Some effects of insecticide volume on European pine shoot moth [*Rhyacionia buoliana*] control. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):103-110. Aug. 1966. 100 M58S

R. B. Carlson, J. Maki, and S. Ilitzky, joint authors.

BUTCHER, J. W., and others. Fall and spring insecticide treatments for control of Zimmerman pine moth [*Doryctria zimmermani*] on Christmas trees. Mich. Agr. Exp. Sta. Quart. Bull. 49(1):111-115. Aug. 1966. 100 M58S

R. B. Carlson, J. Maki, and S. Ilitzky, joint authors.

Mississippi Agricultural Experiment Station, State College

MISSISSIPPI farm research 29(10), 8 p. Oct. 1966. 100 M69Mi

MISSISSIPPI farm research 29(11), 8 p. Nov. 1966. 100 M69Mi

New York (State) Agricultural Experiment Station, Geneva

GILMER, R. M., and others. Leafhopper transmission of X-disease virus of stone fruits in New York. N. Y. (State) Agr. Exp. Sta. Bull. 813, 22 p. Ref. May 1966. 100 N48

D. H. Palmer, G. A. Schaefer, and F. L. McEwen, joint authors.

North Carolina Agricultural Experiment Station, State College Station, Raleigh

GRUBB, H. W., and TOLLEY, G. S. Benefits and costs of soil conservation in the South and its subregions. N. C. Agr. Exp. Sta. Tech. Bull. 172, 58 p., map. Ref. Apr. 1966. 100 N81

KUSHMAN, L. J., POPE, D. T., and MONROE, R. J. Estimation of intercellular space and specific gravity of five varieties of sweet potatoes. N. C. Agr. Exp. Sta. Tech. Bull. 175, 14 p. Ref. Sept. 1966. 100 N81

NEUNZIG, H. H., and FALTER, J. M. Insect and mite pests of blueberry in North Carolina. N. C. Agr. Exp. Sta. Bull. 427, 34 p. May 1966. 100 N81

Ohio Agricultural Research and Development Center, Wooster

TREECE, R. E., and MILLER, T. A. Fly control in Ohio barns. Ohio. Agr. Res. Develop. Center. Res. Circ. 148, 8 p., map. Oct. 1966. 100 Oh3R

OHIO report on research and development in biology, agriculture, and home economics 50 (5):67-80. Sept./Oct. 1965. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

GRAY, F. Productivity of key soils in Oklahoma. Okla. Agr. Exp. Sta. Bull. B-650, 30 p., map. Oct. 1966. 100 Ok4

U. S. Department of Agriculture, cooperating.

CONNOR, L. J., HATCH, R. E., and WALKER, O. Alternate crop enterprises on loam and sandy soils of northwest Oklahoma: resource requirements, costs and returns. Okla. Agr. Exp. Sta. Process. Ser. P-552, 28 p., map. Nov. 1966. 100 Ok4M

Oregon Agricultural Experiment Station, Corvallis

CROPSEY, M. G., WESWIG, P. H., and JOHNSON, C. Making baled silage. Oreg. Agr. Exp. Sta. Spec. Rep. 226, 17 p. Nov. 1966. 100 Or3M

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

RALSTON, A. T., KENNICK, W. H., and TAYLOR, N. O. The effect of choline chloride, urea and roughage fed at varying levels upon feedlot performance and carcass characteristics of steers. Oreg. Agr. Exp. Sta. Spec. Rep. 228, 6 p. Nov. 1966. 100 Or3M

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

CONKLIN, M. J., and MCELROY, R. C. A survey of migrant farmworker housing in Oregon. Oreg. Agr. Exp. Sta. Bull. 602, 39 p., map. June 1966. 100 Or3

U. S. Department of Agriculture, cooperating.

JANTZ, O. K., and RUDINSKY, J. A. Studies of the olfactory behavior of the Douglas-fir beetle, *Dendroctonus pseudotsugae* Hopkins. Oreg. Agr. Exp. Sta. Tech. Bull. 94, 38 p. Ref., p. 36-38. July 1966. 100 Or3S

HOORNBECK, F. K., and BOGART, R. Amount of selection applied and response of traits in four inbred lines of beef cattle. Oreg. Agr. Exp. Sta. Tech. Bull. 96, 39 p. Ref. Aug. 1966. 100 Or3S

MACK, H. J., and others. Effects of soil moisture and nitrogen fertilizer on pole beans. Oreg. Agr. Exp. Sta. Tech. Bull. 97, 28 p. Ref. Sept. 1966. 100 Or3S

L. L. Boersma, J. W. Wolfe, W. A. Sistrunk, and D. D. Evans, joint authors.

Pennsylvania Agricultural Experiment Station, University Park

SCIENCE for the farmer 14(1), 16 p. Fall 1966. 100 P381S

Puerto Rico Agricultural Experiment Station, Rio Piedras

JOURNAL of agriculture of the University of Puerto Rico 50(4):255-341. Ref. Oct. 1966. 8 P832J

Rhode Island Agricultural Experiment Station, Kingston

RHODE Island agriculture 12(4),9 p. Oct.1966.
100 R342

South Carolina Agricultural Experiment Station, Clemson

POWELL, K. S. Child care provided by moth-
ers in South Carolina. S. C. Agr. Exp. Sta.
Bull. 529,45 p. Ref. July 1966. 100 So8
School of Home Economics, Winthrop College,
Rock Hill, South Carolina, cooperating.

OGLE, W. L. A progress report on herbicide
studies conducted with certain vegetables in
1964. S. C. Agr. Exp. Sta. Res. Ser. 61,7 p.
Jan.1965. SB21.S6

GAMBRELL, C. E., RHODES, W. H., and SU-
BER, R. D. The influence of 14 residual and
contact herbicides at varying rates on weed
control and growth of young peach trees. S. C.
Agr. Exp. Sta. Res. Ser. 63,9 p. 1965. S. C.
SB21.S6

GAMBRELL, C. E., RHODES, W. H., and SU-
BER, R. D. The effect of six growth regulators
applied at varying concentrations and at 4
stages of growth on fruit set, yield, size and
maturity of Ranger peaches and their effect on
vegetative growth of trees and effect on fruit at
harvest. S. C. Agr. Exp. Sta. Res. Ser. 65,12 p.
1965. SB21.S6

SIMS, E. T. Exploratory studies on the use of
2-aminobutane acetate in extending the shelf-
life of peaches and grapes. S. C. Agr. Exp.
Sta. Res. Ser. 66,11 p. Apr.1965. SB21.S6

SIMS, E. T., and RIDLEY, J. E. An evaluation
of the influence of 2-aminobutane carbonate on
peaches. S. C. Agr. Exp. Sta. Res. Ser. 69,
14 p. Sept.1965. SB21.S6

STEMBRIDGE, G. E. The effect of various
growth regulators on fruit set in the Redskin
peach. S. C. Agr. Exp. Sta. Res. Ser. 71,10 p.
Ref. Oct.1965. SB21.S6

VAN BLARICOM, L. O., and SEFICK, H. J.
The effect on decay of adding fungicides to the
water for hydrocooling peaches. S. C. Agr.
Exp. Sta. Res. Ser. 72,10 p. Ref. Dec.1965.
SB21.S6

OGLE, W. L., and others. A progress report
on herbicide studies conducted with vegetable
crops in 1965. S. C. Agr. Exp. Sta. Res. Ser.
78,26 p. Dec.1965. SB21.S6
C. E. Gambrell, L. Waters, and M. G. Flem-
ing, joint authors.

HAMILTON, M. G. Herbicidal studies with
watermelons and cantaloupes during 1965.
S. C. Agr. Exp. Sta. Res. Ser. 79,13 p. Dec.
1965. SB21.S6

SOUTH CAROLINA. AGRICULTURAL EX-
PERIMENT STATION. Annual report, 1964-
65. Clemson, 1965. 24 p. 100 So8

Tennessee Agricultural Experiment Station, Knoxville

TENNESSEE farm and home science: progress
report 58,20 p. Apr./June 1966. 100 T25F
TENNESSEE farm and home science: progress
report 59,20 p. July/Sept.1966. 100 T25F

Texas Agricultural Experiment Station, College Station

JOHNSON, P. R. Texas bullnettle [*Cnidioscolus
texanus*] and its control. Tex. Agr. Exp. Sta.
B-1052,11 p. June 1966. 100 T31S

ATKINS, I. M., and others. Influence on grain
yields and yield components of leaf rust of
wheat and crown rust of oats, as measured by
isogenic resistant and susceptible lines.
Tex. Agr. Exp. Sta. B-1053,10 p. Ref. Aug.
1966. 100 T31S
M. Alcalá de Stephano, O. G. Merkle, and
R. A. Kilpatrick, joint authors.
U. S. Department of Agriculture, cooperat-
ing.

NEMEC, S. J., and ADKISSON, P. L. Com-
parative effectiveness of low volume concen-
trate and water emulsion sprays of certain in-
secticides for cotton insect control. Tex. Agr.
Exp. Sta. MP-813,6 p. Aug.1966. 100 T31M

HOELSCHER, C. E., and WOLFENBARGER,
D. A. Field evaluations of insecticides, sur-
factant and surfactant-insecticide combinations
applied to the soil for insect control on various
vegetable crops. Tex. Agr. Exp. Sta. Progr.
Rep. PR-2409,6 p. May 5,1966. 100 T31P

RAY, L. L., MINTON, E. B., and BERRY, R. W.
Evaluation of cotton strains and varieties for
resistance to verticillium wilt and bacterial
blight. Tex. Agr. Exp. Sta. Progr. Rep. PR-
2410,7 p. May 12,1966. 100 T31P

SCHUSTER, M. F. Response of forage grasses
to rhodesgrass scale [*Antonina graminis*]. Tex.
Agr. Exp. Sta. Progr. Rep. PR-2427,5 p.
June 28,1966. 100 T31P

SCHUSTER, M. F., and WOLFENBARGER,
D. A. Corn earworm [*Heliothis zea*] damage
to sweet corn hybrids in the lower Rio Grande
Valley. Tex. Agr. Exp. Sta. Progr. Rep.
PR-2430,4 p. Oct.13,1966. 100 T31P

RANDOLPH, N. M., and WAGNER, P. M.
Biology and control of the fall armyworm
[*Spodoptera frugiperda*]. Tex. Agr. Exp. Sta.
Progr. Rep. PR-2431,6 p. Oct.13,1966.
100 T31P

HARDING, J. A., and HOGG, P. W. Overwin-
tering of the sorghum midge [*Contarinia sor-
ghicola*] on the South Plains of Texas. Tex.
Agr. Exp. Sta. Progr. Rep. PR-2432,6 p.
Oct.17,1966. 100 T31P

TEXAS. AGRICULTURAL EXPERIMENT STA-
TION. Annual report, 1964-65. College Sta-
tion, 1965? 74 p. 276 T312B

Utah Agricultural Experiment Station, Logan

TARVER, J. D., and BLACK, T. R. Making
county population projections—a detailed ex-
planation of a three-component method, illus-
trated by reference to Utah counties. Utah.
Agr. Exp. Sta. Bull. (Tech.) 459,97 p. Ref.
June 1966. 100 Utl
Oklahoma State University Research Founda-
tion, cooperating.

UTAH farm and home science 27(1),44 p. Mar.
1966. 100 UtlF

UTAH farm and home science 27(2),45-84.
June 1966. 100 UtlF

UTAH farm and home science 27(3),85-116.
Sept.1966. 100 Ut1F

Washington Agricultural Experiment Stations, Pullman

EGLITIS, M., GOULD, C. J., and JOHNSON,
F. Fungi found on Ericaceae in the Pacific
Coastal area. Wash. Agr. Exp. Sta. Bull. 675,
21 p. Oct.1966. 100 W27E

West Virginia Agricultural Experiment Station,
Morgantown

WEST VIRGINIA. AGRICULTURAL EXPERI-
MENT STATION. Science serves your farm
and home; [annual report]. W. Va. Agr. Exp.
Sta. Bull. 532,24 p.,map. Summer 1966.
100 W52

Wyoming Agricultural Experiment Station, Laramie

PFADT, R. E., and ROBB, T. R. Control live-
stock pests. Wyo. Agr. Exp. Sta. Bull. 327R,
44 p. Ref. June 1966. 100 W99

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Publications issued by the State Agricultural Extension Service are usually available from the issuing extension service, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

ARIZONA University, Agricultural Extension Service,
Tucson

DENNIS, R. E. Establishment and management of irrigated pastures in Arizona. Ariz. Univ. Ext. Bull. A-49, 35 p., map. Sept. 1966. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

ARKANSAS University, Agricultural Extension Service,
Little Rock

ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying plums and cherries. Ark. Univ. Ext. Leaf. 265, rev., 8 p., folder. Apr. 1966. 275.29 Ar4Le

BARNES, G., and ROBERTS, J. E. Control of household insects and their relatives. Ark. Univ. Ext. Leaf. 392, 12 p., folder. Sept. 1966. 275.29 Ar4Le

CALIFORNIA University, Agricultural Extension Service, Berkeley

KOCH, E. C., ALDERMAN, D. C., and BROWN, D. S. Commercial apple growing in California. Calif. Univ. Agr. Ext. Circ. 538, 25 p. June 1966. 100 C12S

FLORIDA University, Agricultural Extension Service,
Gainesville

MARVEL, M. E., and MONTELARO, J. Toma-to production guide. Fla. Univ. Ext. Circ. 98C, 14 p. Aug. 1966. 275.29 F66C

HARRISON, D. S., and others. Aquatic weed control. Fla. Univ. Ext. Circ. 219B, 16 p. Aug. 1966. 275.29 F66C

R. D. Blackburn, L. W. Weldon, J. R. Orseni-go, and G. F. Ryan, joint authors.

RYAN, G. F., and DAVIS, R. M. Guide for use of herbicides in Florida citrus. Fla. Univ. Ext. Circ. 303, 12 p., folder. June 1966. 275.29 F66C

ILLINOIS University, Cooperative Extension Service in
Agriculture and Home Economics, Urbana

ACKER, G. Canning fruits and vegetables. Ill. Univ. Ext. Circ. 943, 16 p. Sept. 1966. 275.29 IL62C

NELSON, W. R., and PORTER, J. A. Improving your community's public square. Ill. Univ. Ext. Circ. 946, 19 p. Oct. 1966. 275.29 IL62C

PEPOON, L., and SHULTZ, J. A. Books for children under six. Ill. Univ. Ext. Circ. 952, 4 p. Nov. 1966. 275.29 IL62C

IOWA State University of Science and Technology,
Cooperative Extension Service, Ames

HANWAY, J. J. How a corn plant develops. Iowa. State Univ. Ext. Spec. Rep. 48, 17 p. Sept. 1966. 100 I9Sp

KANSAS State University of Agriculture and Applied
Science, Extension Service, Manhattan

CALEY, H. K. Vibriosis in cattle. Kans. State Univ. Agr. Ext. L-148, rev., 4 p. Oct. 1966. 275.29 K13Le

LOUISIANA State University and Agricultural and
Mechanical College, Agricultural Extension Service,
University Farm, Baton Rouge

MATHERNE, N. J., RUSOFF, L. L., and FARTHING, B. R. Feed for maximum milk production and income over feed cost. La. State Univ. Ext. Pub. 1453, 6 p., folder. Mar. 1966. 275.29 L93Ep

MICHIGAN State University of Agriculture and Applied
Science, Cooperative Extension Service, East Lansing

KELSEY, M. P. Fruit farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 44, 25 p., map. 1966. 281.9 M5842

KELSEY, M. P., and SHEPPARD, C. C. Poultry farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 45, 21 p., map. 1966. 281.9 M5842

KYLE, L. R. Saginaw Valley cash crop farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 46, 17 p., map. 1966. 281.9 M5842

KYLE, L. R. Cash grain farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 47, 17 p., map. 1966. 281.9 M5842

KYLE, L. R. Potato farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 48, 17 p., map. 1966. 281.9 M5842

KYLE, L. R. Cattle feeding today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 49, 13 p., map. 1966. 281.9 M5842

TINSLEY, W. A. Swine farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 50, 9 p., map. 1966. 281.9 M5842

HEPP, R. E., and BROWN, L. H. Dairy farming today, northern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 52, 17 p., map. 1966. 281.9 M5842

HEPP, R. E., and BROWN, L. H. Dairy-general farming today in southern Michigan, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 53, 21 p., map. 1966. 281.9 M5842

KYLE, L. R. Hours of labor used by montans on farms of Michigan Telfarm cooperators, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 54, 6 p. July 1966. 281.9 M5842

HEPP, R. E. Cash flows and financial progress of Michigan dairy farmers, 1965. Mich. State Univ. [Ext.] Agr. Econ. Rep. 55, 9 p. July 1966. 281.9 M5842

MINNESOTA University, Agricultural Extension Service,
St. Paul

SCHEID, A. Today's fibers. Minn. Univ. Ext. Ext. Folder 218, 8 p., folder. 1966. 275.29 M66Ex

NEW YORK - Cornell University, State College of
Agriculture, Extension Service, Ithaca

DUDGEON, L. T., and DUNN, M. Yeast bread and rolls. Cornell Univ. Ext. Cornell Ext. Bull. 888, 8 p. Oct. 1966. 275.29 N48E

OHIO State University, Cooperative Extension Service, Columbus

- SHULTZ, J. A. Children's behavior. Ohio. State Univ. Ext. Bull. 477, 12 p. Aug. 1966. 275.29 Oh32
- GIST, G. R. Grasses and legumes for forage and conservation. Ohio. State Univ. Ext. Bull. 478, 20 p. Nov. 1966. 275.29 Oh32

OREGON State University, Federal Cooperative Extension Service, Corvallis

- HORRELL, E. Background on Oregon's agriculture. Oreg. State Univ. Ext. Circ. 683, rev., 8 p.-folder. Oct. 1966. 275.29 Or32C
- HOLTHOUSE, M. M. Your weekly food bill. Oreg. State Univ. Ext. Circ. 686, rev., 6 p.-folder. June 1966. 275.29 Or32C

PENNSYLVANIA State University, Colleges of Agriculture and Home Economics, Extension Service, University Park

- WINGARD, R. G., STUDHOLME, C. R., and SHARP, W. M. Pennsylvania wildlife resources: animal tracks. Penn. State Univ. Ext. Leaflet. 291, 4 p. Sept. 1966. 275.29 P38L

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

- ALLEN, L. R. Coastal bermudagrass [Cynodon dactylon] for grazing, hay, silage. Clemson Univ. Ext. Circ. 406, rev., 28 p., map. July 1966. 275.29 So8E
- CLEMSON UNIVERSITY, EXTENSION SERV. Let's get rid of the blots on South Carolina's beauty. Clemson Univ. Ext. Misc. Circ., July 1966, 12 p. 275.29 So8M

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

- ANTONIDES, R. J. Some guidelines for organizing economic development efforts in South Dakota along trade area lines. S. Dak. State Univ. Ext. Circ. 651, 27 p., map. Sept. 1966. 275.29 So8S
- SOUTH DAKOTA, STATE UNIVERSITY, CO-OPERATIVE EXTENSION SERV. Practical hog production for S. Dak. farmers. S. Dak. State Univ. Ext. Circ. EC 649, 59 p. Feb. 1966. 275.29 So8S

TENNESSEE University, Agricultural Extension Service, Knoxville

- TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Pesticide, seed and fertilizer, dealers' meetings, February 14-March 11, 1966. Tenn. Univ. Ext. SP 153, 6 p.-folder. 1966. 275.29 T25Sp

UTAH State University, Agricultural Extension Service, Logan

- BARDWELL, F., KNOWLTON, G. F., and SALUNKHE, D. K. Food storage in the home. Utah. State Univ. Ext. Circ. EC 257, rev., 16 p. Sept. 1966. 275.29 Ut1

WASHINGTON State University, Extension Service, Pullman

- DODGE, J., MALOY, O., and BRANNON, D. Home gardens. Wash. State Univ. Ext. Ext. Bull. 422, rev., 27 p. Apr. 1966. 275.29 W27P

WISCONSIN University, College of Agriculture, Extension Service, Madison

- DANA, M. N., and KLINGBEIL, G. C. Cranberry growing in Wisconsin. Wis. Univ. Ext. Circ. 654, 39 p., map. Ref. July 1966. 275.29 W75C
- LANDRY, L. When you hem. Wis. Univ. Ext. Spec. Circ. 125, 11 p. Aug. 1966. 275.29 W75S

WYOMING University, College of Agriculture, Extension Service, Laramie

- LEE, G. A., and ALLEY, H. P. Weed control in lawns. Wyo. Univ. Ext. Sta. Bull. 452, 23 p. Apr. 1966. 100 W99
- BUTCHER, C. Trees. Wyo. Univ. Ext. Circ. 179, 15 p. Sept. 1965. 275.29 W99C
- BUTCHER, C. Shrubs. Wyo. Univ. Ext. Circ. 180, 19 p. Sept. 1965. 275.29 W99C
- BUTCHER, C. Landscaping. Wyo. Univ. Ext. Circ. 188, 12 p. Sept. 1965. 275.29 W99C
- NICHOLLS, J. M. Keep wonderful Wyoming beautiful; (a community beautification activity) for 4-H Clubs and members. Wyo. Univ. Ext. [4-H Club, Circ.] CB-5-66, 14 p. Apr. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Community beautification report. Wyo. Univ. Ext. [4-H Club, Circ.] CB-5a-66, 8 p. June 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. A citizenship activity for Wyoming 4-H Clubs: know your government; phase: Federal. Wyo. Univ. Ext. [4-H Club, Circ.] CZ-15-66, 10 p. Feb. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Report: know your government; phase: Federal. Wyo. Univ. Ext. [4-H Club, Circ.] CZ-15a-66, 20 p. Feb. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Dog record book. Wyo. Univ. Ext. [4-H Club, Circ.] DO-1-66, 8 p. July 1966. 275.29 W99Fc
- SEAMANDES, W. J. Pasture and meadow. Wyo. Univ. Ext. [4-H Club, Circ.] FO-9-66, 6 p. Mar. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Pasture and meadow record book. Wyo. Univ. Ext. [4-H Club, Circ.] FO-9a-66, 14 p. 1966. 275.29 W99Fc
- NICHOLLS, J. M. 4-H forestry manual. Wyo. Univ. Ext. [4-H Club, Circ.] Fy-5-66, 67 p., map. Apr. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Forestry record book. Wyo. Univ. Ext. [4-H Club, Circ.] Fy-5a-66, 15 p. 1966. 275.29 W99Fc
- NICHOLLS, J. M., and MARSTON, B. Wyoming 4-H leader's manual. Wyo. Univ. Ext. [4-H Club, Circ.] G-1-66, 51 p. June 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming 4-H rules, standards, policies, regulations. Wyo. Univ. Ext. [4-H Club, Circ.] G-4-66, 9 p. Oct. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H films. Wyo. Univ. Ext. [4-H Club, Circ.] G-13-66, 13 p. 1966. 275.29 W99Fc
- WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming 4-H Club projects and activities, purposes and requirements. Wyo. Univ. Ext. [4-H Club, Circ.] G-15-66, 30 p. June 1966. 275.29 W99Fc

NICHOLLS, J. M., CROFT, J., and HARRISON, L. R. 4-H contests, awards, & recognitions; State and National 100 awards, 1966. Wyo. Univ. Ext. [4-H Club. Circ.] G-19-66, 36 p. May 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Reference list for requesting 4-H Club kits. Wyo. Univ. Ext. [4-H Club. Circ.] G-46-66, 15 p. 1966. 275.29 W99Fc

MARSTON, B. W. Making model meetings; a manual for Wyoming 4-H Club officers. Wyo. Univ. Ext. [4-H Club. Circ.] G-47-66, 16 p. Mar. 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Horse projects in Wyoming; performance & halter classes. Wyo. Univ. Ext. [4-H Club. Circ.] HO-1-66, 10 p. June 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming horse science record. Wyo. Univ. Ext. [4-H Club. Circ.] HO-10a-66, 7 p. June 1966. 275.29 W99Fc

MCKINSTRY, M., and HARRISON, L. R. Wyoming junior leadership manual. Wyo. Univ. Ext. [4-H Club. Circ.] JL-5-66, 9 p. June 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Photography record book, Unit IV. Mastering photography. Wyo. Univ. Ext. [4-H Club. Circ.] Ph-20a-66, 77 p. Mar. 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming ropecraft record & story book. Wyo. Univ. Ext. [4-H Club. Circ.] RC-5a-66, 7 p. 1966. 275.29 W99Fc

SEAMANDS, W. J. 4-H sugar beet manual. Wyo. Univ. Ext. [4-H Club. Circ.] SB-5-66, 13 p. 1966. 275.29 W99Fc

GALE, A. F., and ALLEY, H. P. Weed control and proper use of chemicals; 4-H manual, Wyoming, Units I, II, III. Wyo. Univ. Ext. [4-H Club. Circ.] W-5-66, 24 p. Sept. 1966. 275.29 W99Fc

HARRISON, L. R. Woodworking; advanced unit. Wyo. Univ. Ext. [4-H Club. Circ.] W-10-66, 78 p. June 1966. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Weed control and proper use of chemicals, Units I, II, III, 4-H record book. Wyo. Univ. Ext. [4-H Club. Circ.] WC-5a-66, 12 p. Sept. 1966. 275.29 W99Fc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

COCOA statistics monthly supplement. 10,4 p. Oct. 1966. 286.83 C64

CULBERT, J. R., and HICKMAN, D. African violets [Saintpaulia]. Ill. Univ. Ext. Circ. 942, 32 p. Sept. 1966. 275.29 IL62C

CURRENT food additives legislation, 97, 10 p. Sept. 30, 1966. 241.64 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The economic impact of dairy development in developing countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 66/11/2, 63 p. Apr. 25, 1966. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO rice report, 1966. Rome, 1966. 26 p. Ref. 281.3599 F73F

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Official report of the United States delegations to the forty-fifth and forty-sixth sessions of the FAO council, Rome, Italy, November 15-18, 1965 and December 9-10, 1965. n.p., 1966. 24 p. 389.9 F7355R

GRAIN storage newsletter and abstracts 8(4): 124-177. Oct. 1966. 280.3599 F73

HEPP, R. E., and BROWN, L. H. Dairy farming today, southern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 51, 21 p., map. 1966. 281.9 M5842

HICKEY, K. D. Black knot disease of plum and its control. Cornell Univ. Ext. Cornell Ext. Bull. 1173, 7 p. Aug. 1966. 275.29 N48E

HIERONYMUS, T. A. When to sell corn, soybeans, oats, wheat. Ill. Univ. Ext. Circ. 948, 43 p. Oct. 1966. 275.29 IL62C

HOGLUND, C. R., and KEARNEY, B. Some economic aspects of mechanization and irrigation of potatoes. Mich. State Univ. [Ext.] Agr. Econ. Rep. 40, 11 p. Feb. 1966. 281.9 M5842

JOHNSON, W. T., SINCLAIR, W. A., and WEIDHAAS, J. A. Diseases and insects of hawthorns and their control. Cornell Univ. Ext. Cornell Ext. Bull. 1172, 12 p. July 1966. 275.29 N48E

KANTACK, B. H., and BERNDT, W. L. Grasshopper control in South Dakota, 1967. S. Dak. State Univ. Ext. FS 321, 6 p.-folder, map. Sept. 1966. 275.29 S868Fs

KOLB, G. E., and others. Profitable sheep production. Wis. Univ. Ext. Circ. 487, rev., 56 p. Sept. 1966. 275.29 W75C

A. L. Pope, V. L. Felts, C. L. Barth, F. J. Giesler, R. E. Hall, W. Gojmerac, R. H. Vilstrup, and T. J. Brevik, joint authors.

LAMPMAN, C. E. Lighting for laying hens. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 34, 2 p. Sept. 1966. 275.29 ID13Idc

LANGMO, R. D. Guide to selection and use of orchard man-positioning machines. Oreg. State Univ. Ext. FS 109, 2 p. July 1966. 275.29 Or36

LANKFORD, L. T., and MINER, J. J. Rabbit production. Ark. Univ. Ext. Circ. 487, rev., 21 p. June 1966. 275.29 Ar4

MONTHLY bulletin of agricultural economics and statistics 15(11), 49 p. Nov. 1966. 251 F73Mb

MONTHLY legislative report 15(9/10), 199 p. Sept./Oct. 1966. 241 F7323

NELSON, W. R., and PORTER, J. A. Planning a better school landscape. Ill. Univ. Ext. Circ. 945, 19 p. Sept. 1966. 275.29 IL62C

NORTH CAROLINA. UNIVERSITY. EXTENSION SERV. House planning aids; bathrooms. N. C. Univ. Ext. Home Econ. Ser. 28, 4 p. Feb. 1966. 275.29 N811Hom

PENNSYLVANIA. STATE UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Controlling insect pests on fir, hemlock and juniper. Penn. State Univ. Ext. Leaflet. 290, 4 p. Aug. 1966. 275.29 P38L

PETR, F. C. Bingham oats. Idaho. Agr. Coll. Ext. Bull. 466, 8 p.-folder. Aug. 1966. 100 ID14

Published jointly with Idaho Agricultural Experiment Station.

ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying peaches. Ark. Univ. Ext. Leaflet. 227, rev., 12 p.-folder. Sept. 1966. 275.29 Ar41Le

VAN DER BOOM, N., and MOORE, A. Facts about funerals. S. Dak. State Univ. Ext. FS 319,5 p.-folder. Ref. Aug.1966. 275.29 So85Fs

WARMBROD, J. Why plant trees in McNairy County? Tenn. Univ. Ext. SP 150,6 p.-folder. Oct.1965. 275.29 T25Sp

WEBER, J. A. Comparing costs of operations for gasoline tractors, LP-gas tractors, diesel tractors. Ill. Univ. Ext. Circ. 944,8 p.-folder. 1966. 275.29 IL62C

WOMBLE, C., and LITTLE, L. Draperies you can make. N. C. Univ. Ext. Home Econ. Ser. 4,rev.,6 p.-folder. Aug.1965. 275.29 N811Hom



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VOL. 31, No. 5

The
 Gen
 1917
 1918
 1919
 1920
 1921
 1922
 1923
 1924
 1925
 1926
 1927
 1928
 1929
 1930
 1931
 1932
 1933
 1934
 1935
 1936
 1937
 1938
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 2103
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 2108
 2109
 2110
 2111
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 2114
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 2116
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 2144
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 2150
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 2152
 2153
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 2156
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 2159
 2160
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 2166
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 2173
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 2177
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 2179
 2180
 2181
 2182
 2183
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 2223
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 2229
 2230
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 2232
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 2234
 2235
 2236
 2237
 2238
 2239
 2240
 2241
 2242
 2243
 2244
 2245
 2246
 2247
 2248
 2249
 2250
 2251
 2252
 2253
 2254
 2255
 2256
 2257
 2258
 2259
 2260
 2261
 2262
 2263
 2264
 2265
 2266
 2267
 2268
 2269
 2270
 2271
 2272
 2273
 2274
 2275
 2276
 2277
 2278
 2279
 2280
 2281
 2282
 2283
 2284
 2285
 2286
 2287
 2288
 2289
 2290
 2291
 2292
 2293
 2294
 2295
 2296
 2297
 2298
 2299
 2300
 2301
 2302
 2303
 2304
 2305
 2306
 2307
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 2309
 2310
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 2312
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 2348
 2349
 2350
 2351
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 2353
 2354
 2355
 2356
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 2362
 2363
 2364
 2365
 2366
 2367
 2368
 2369
 2370

FORM

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Vol. 31

May 1967

No. 5

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CONTENTS

Item	Item	Item
AGRICULTURAL ECONOMICS AND	Consumption and Utilization	Harvesting Equipment
RURAL SOCIOLOGY 33934-34774	Distribution, Marketing, and	Land Clearing Equipment
General 33934	Transportation 35762	Processing Equipment Used on
Agricultural Finance 33983	Grading, Inspection, Standardiza-	the Farm 37657
Credit 34000	tion, and Quality 35785	Repair, Maintenance, and Con-
Income 34051	Packing and Packaging 35807	struction Equipment 37681
Inflation 34062	Prices, Price Control, and	Spraying and Dusting Equipment
Insurance 34071	Rationing 35808	37695
Taxation 34071	Processing and Storage 35812	Vehicles 37703
Agricultural Labor and Wages 34085	Statistics 35845	Farm Structures and Rural
Agriculture - Situation, Policies,	Oils and Oilseeds 35849	Housing 37744
and Programs 34169	Poultry and Poultry Products 35894	Animal Shelters and Animal
Subsidies 34259	Rubber and Rubber Substitutes 36003	Service Buildings 37752
Cost and Standard of Living 34263	Seeds 36013	Farmhouses and Farmsteads 37787
Farm Management and Land	Sugar and Sirups 36027	Greenhouses and Plant Service
Economics 34264	Tobacco 36075	Buildings 37791
Bookkeeping and Records 34360	Miscellaneous Products 36089	Materials and Methods 37794
Costs and Returns 34368	ANIMAL INDUSTRY 36108-37509	Storage Structures 37796
Land Settlement and Colonization 34413	Breeds and Breeding 36108	Walls and Fences 37799
Land Tenure 34420	Feeds and Feeding 36122	Farm Utilities 37799
Land Utilization 34449	Veterinary Medicine 36174	Electricity and Electrification 37799
Land Values and Valuation 34481	Miscellaneous 36300	Heating, Lighting, and Radiation 37811
Population 34494	Cattle 36317	Power Plants, Motors, and
Rural Social Organization 34500	Breeds and Breeding 36317	Engines on the Farm 37813
Human Ecology 34514	Feeds and Feeding 36419	Sewage and Waste Disposal 37815
Institutions 34536	Veterinary Medicine 36514	Telephones 37816
Leadership 34611	Miscellaneous 36677	Water Supply 37816
Rural Organizations and	Dogs and Cats 36717	ENTOMOLOGY 37821-38992
Movements 34612	Breeds and Breeding 36717	General Entomology 37821
Cooperative Organizations 34632	Feeds and Feeding 36723	Arachnida, Myriapoda, etc. 37860
Rural Social Psychology 34689	Veterinary Medicine 36724	Coleoptera 37889
Trade, Foreign and International 34704	Miscellaneous 36784	Diptera 37965
AGRICULTURAL PRODUCTS:	Fur Animals - Pen Raised 36785	Culicidae 38017
PROCESSING, DISTRIBUTION,	Feeds and Feeding 36785	Drosophila 38042
AND STATISTICS 34775-36107	Veterinary Medicine 36789	Hemiptera (Heteroptera and
General 34775	Miscellaneous 36799	Homoptera) 38076
Analysis and Composition 34789	Horses and Mules 36797	Hymenoptera 38132
Consumption and Utilization 34802	Breeds and Breeding 36797	Lepidoptera 38170
Distribution, Marketing, and	Feeds and Feeding 36803	Orthoptera 38249
Transportation 34812	Veterinary Medicine 36804	Smaller Orders 38288
Grading, Inspection, Standardiza-	Miscellaneous 36834	Taxonomic and Geographic
tion, and Quality 34847	Laboratory Animals, Small 36835	Entomology 38305
Packing and Packaging 34858	Breeds and Breeding 36835	Arachnida, Myriapoda, etc. 38316
Prices, Price Control, and	Feeds and Feeding 36836	Coleoptera 38344
Rationing 34863	Veterinary Medicine 36843	Diptera 38382
Processing and Storage 34867	Miscellaneous 36872	Hemiptera 38423
Statistics 34900	Poultry 36872	Hymenoptera 38442
Beverages and Condiments 34920	Breeds and Breeding 36872	Lepidoptera 38470
Dairy Products 34974	Feeds and Feeding 36911	Orthoptera 38518
Analysis and Composition 35041	Veterinary Medicine 36959	Smaller Orders 38523
Consumption and Utilization 35098	Miscellaneous 37100	Economic Entomology 38544
Distribution, Marketing, and	Rabbits 37175	Pests of Animals and Man 38615
Transportation 35102	Breeds and Breeding 37175	Pests of Plants 38704
Grading, Inspection, Standardiza-	Feeds and Feeding 37184	Forest Pests 38725
tion, and Quality 35145	Veterinary Medicine 37189	Pests of Field and Truck Crops 38755
Packing and Packaging 35169	Miscellaneous 37208	Pests of Fruit and Nut Crops 38868
Prices, Price Control, and	Sheep and Goats 37214	Pests of Ornamentals, Green-
Rationing 35175	Breeds and Breeding 37264	houses and Nurseries 38887
Processing and Storage 35178	Veterinary Medicine 37294	Pests of Stored Products and
Statistics 35264	Miscellaneous 37355	Processed Commodities 38896
Feed and Forage Crops 35287	Swine 37366	Apiculture and Apis mellifera 38921
Fibers and Textiles 35299	Breeds and Breeding 37366	Sericulture and the Silkworm 38983
Fruits, Vegetables, and Nuts 35356	Feeds and Feeding 37384	FOOD AND HUMAN NUTRITION
Analysis and Composition 35382	Veterinary Medicine 37429	38993-39032
Consumption and Utilization 35404	Miscellaneous 37494	General 38993
Distribution, Marketing, and	ENGINEERING 37510-37820	Food Habits 39019
Transportation 35406	General and Miscellaneous 37510	Nutritive and Vitamin Content 39021
Grading, Inspection, Standardiza-	Farm Machines and Equipment 37524	FORESTRY 39033-39431
tion, and Quality 35436	Animal Husbandry Equipment 37585	General 39033
Packing and Packaging 35456	Cultivation and Tillage Equipment 37604	Education 39059
Prices, Price Control, and	Fertilizing and Planting Equip- 37619	
Rationing 35463		
Processing and Storage 35466		
Statistics 35518		
Grain and Grain Products 35524		
Honey and Beeswax 35690		
Livestock and Livestock Products 35695		
Analysis and Composition 35737		

	Item		Item		Item
Forest Resources	39063	Agronomy (Field Crops)	40356	Soil Chemistry and Mineralogy	41363
Forest Influences	39067	Cereals	40367	Soil Biology	41407
Forest Injuries and Protection		Fiber Crops	40412	Soil-Plant-Animal Relationships	
Fire	39079	Forage Crops and Grasses	40422		
Forest Management	39084	Oil Crops	40518		
Forest Description and Mensuration	39137	Sugar Crops	40532	Soil Genesis, Formation, Classification, and Mapping	41440
Policies and Programs	39167	Tobacco	40551	Soil Management	41481
Legislation and Taxation	39173	Horticultural Crops	40556	Soil Fertility	41488
Forest Products and Utilization		Fruit-General	40564	Soil Tilth and Tillage	41624
Lumbering and Logging	39176	Citrus and Subtropical Fruits		Drainage, Irrigation, Water Supply, and Flood Control	41654
Sawmills	39211	Deciduous Fruits	40575	Erosion and Erosion Control	
Processing and Woodworking		Small Fruits	40606	Sanitation	41757
Seasoning, Conditioning, and Finishing	39223	Nuts	40631	Materials for Soil Improvement	41783
Wood Preservation and Damage	39241	Shade Trees and Ornamental Plants	40633	Chemical Fertilizers	41783
Lumber and Rough Products		Vegetable and Truck Crops (Including Potatoes)	40691	Mineral Soil Amendments	41784
Construction	39285	Miscellaneous Economic Plants	40757	Fertilizer Technology and Statistics	41785
Veneers, Plywood and Adhesives	39287	Plant Pathology and Protection		Manures and Composts	41799
Furniture		Field Crops	40775		
Containers		Horticultural Crops	40814	MISCELLANEOUS	41804-41959
Pulp and Paper	39291	Forest Trees	40831	General	41804
Chemical Products and Distillates	39316	Bacterial Diseases	40836	Biography	41850
Naval Stores		Field Crops	40840	History	41922
Other Forest Products	39323	Horticultural Crops		Home Management	41925
Silviculture	39337	Forest Trees	40852	International Relations	41935
Regeneration and Breeding	39365	Fungus Diseases	40871	Meteorology	41937
Wood Technology	39398	Field Crops	40919	Personnel	
PLANT SCIENCE	39432-41315	Horticultural Crops	40963	Research	41945
General	39432	Nematodes	40969	Statistics	41955
Morphology, Anatomy, and Cytology	39445	Field Crops	40974		
Ecology	39561	Horticultural Crops	40982	NEW PERIODICALS AND SERIALS	p.235
Genetics	39603	Forest Trees	40991	TRANSLATIONS	p.236
Physiology and Biochemistry	39776	Physiological Diseases	41028	U. S. D. A. PUBLICATIONS	p.240
Field Crops	39989	Injuries	41038	STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS	p.244
Cereals	39997	Systematic and Geographic Botany	41065	STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS	p.247
Fiber Crops	40067	Spermatophytes	41080	FAO PUBLICATIONS	p.250
Forage Crops and Grasses		Pteridophytes	41157	PERSONAL INDEX	p.253
Oil Crops	40086	Bryophytes	41159		
Sugar Crops	40137	Algae	41165		
Tobacco	40155	Fungi (Including Lichens)	41177		
Horticultural Crops	40163	Weeds and Poisonous Plants	41205		
Fruit Crops	40165	Biology	41207		
Nuts	40205	Weed Control	41219		
Shade Trees and Ornamental Plants	40206	Chemical Weed Control	41232		
Vegetable and Truck Crops		Cultural, Biological Weed Control	41314		
	40229				
Miscellaneous Economic Plants	40297	SOILS AND FERTILIZERS	41316-41803		
Forest Trees	40335	Soil Science	41316	ORGANIZATIONAL INDEX	p.273
		Soil Physics	41321		

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 33934 AMERICAN FARM ECONOMIC ASSOCIATION. Annual meeting. University of Maryland, August 21-24, 1966. *J. Farm Econ.* 48(5):1077-1744. Ref. 1966. 280.8 J822
Proceedings.
- 33935 ARIE, L. R. Population influx aids economy in Arizona. *Rural Reator* 19(1):5-6. Jan. 1967. 282.8 R88
- 33936 BACH, H. The roots of the long agrarian crisis in the industrial society. (Ge) *Ag. Rundsch.* 4/5:84-90. Oct. 1966. 280.8 Ag82
- 33937 BAMAKO, CHAMBRE DE COMMERCE. D'AGRICULTURE ET D'INDUSTRIE. Éléments du bilan économique 1965 [Elements of the economic balance 1965]. Bamako, 1966. 98 p. 280.9 B21E
Includes chapters on agriculture and forestry in the Republic of Mali.
- 33938 BANDINI, M. Themes on agricultural economics and politics. (It) *Riv. Econ. Agr.* 21(3):3-9. 1966. 281.8 R52
- 33939 CASONATO, G. With the socialists in the belly of the whale. (It) *Riv. Polit. Agr.* 13(3):41-43. Sept. 1966. 281.8 R523
- 33940 EIDE, L. T. Agriculture—an economic advantage or a burden? (No) *Ny Jord* 53(5):172-176. Oct. 1966. 282.28 N98
- 33941 FOGG, E. C. Opportunities seen in Ireland's farm economy, but related business complacent about change. *Int. Com.* 73(3):28-29. Jan. 16, 1967. 157.54 F763
- 33942 GAMBLE, H. B. An input-output model incorporating impact analysis to evaluate the resources and economy of a rural Appalachian community. *Diss. Abstr.*, Sect. A, 27(5):1158A-1159A. Nov. 1966. Z5055.U49D5
- 33943 GOIDANICH, G. Purposes of the Technical-Economic Conference on the Tuscan-Emilia Apennines; research programs and preparatory studies in course. (It) *Accad. Naz. Agr. Ann.* 77(1):46-48. 1966. 16 B632A
- 33944 HAUSER, A. Some sociological and extra-economic considerations on the agricultural economy. (Ge) *Agrarpolit. Rev.* 22(7/8):328-337. Mar./Apr. 1966. 281.8 Ag824
- 33945 JOURNEES D'ETUDE SUR LES PROBLEMES DE LA POPULATION MONTAGNARDE, 8, AURILLAC, FRANCE, 1966. Summaries of reports. (Fr) *Agrarpolit. Rev.* 22(10/11):401-471. June/July 1966. 281.8 Ag824
Text partly in French, partly in German. Chiefly economic for Europe.
- 33946 KHURSHID, M. Promotion of agriculture through industrial development. *Agr. Pakistan* 16(4):425-430. Dec. 1965. 22 Ag832
- 33947 KOVACS, I. Economic management in Hungary—several essential principles of the reform. *Land Labour* 7(5/6):46-51. Sept./Dec. 1966. 283.8 L224
- 33948 MAEVSKII, I. V. Outlook for development of national economy of Soviet Union in the new Five-Year Plan. (Ru) *Ekonomicheskaya Misl* 11(7):15-33. 1966. 280.8 Ik7
French summary, p. 133.
Includes agriculture.
- 33949 MARTINENGO, E. The new law for depressed areas of the Central-North. (It) *Cronache Econ.* 286:48-51. Oct. 1966. 280.8 C882
- 33950 MCCARTHY, W. O. Economic aspects of agricultural development. *Australian Inst. Agr. Sci. J.* 32(3):178-184. Ref. Sept. 1966. 23 Au74
- 33951 MELLOR, J. W. The economics of agricultural development. Ithaca, New York, Cornell University Press, 1966. 403 p. Ref. HD1415.M4
For low-income developing nations.
- 33952 MOSER, L. Activities of the Committee for the Problems of Alpine People [Comitato per i Problemi degli Alpigiani] (C.I.P.D.A.) and of the chambers of commerce to improve the living conditions of the mountain population. (It) *Cronache Econ.* 287:288:99-101. Nov./Dec. 1966. 280.8 C882
At Bergamo.
- 33953 O'CONNOR, R. Recent developments in the agricultural economy of the Republic of Ireland. *J. Agr. Econ.* [Reading] 18(1):95-109. Jan. 1967. 281.9 Ag8
Includes discussion.
- 33954 OLSON, C. E., and WALKER, O. L. Agricultural adjustments and area economic interrelationships. *J. Farm Econ.* 48(5):1570-1574. Dec. 1966. 280.8 J822
Impact of adjustments in agriculture on the non-agricultural sector in Oklahoma.
- 33955 PAI, M. R. Is socialism responsible for our economic ills? *Planting Com.* 14(7):3-4, 13. Sept. 8, 1966. 22 P697
India.
- 33956 PANSE, V. G. Statistics for land and its productivity for agricultural planning. *Agr. Situation India* 21(5):273-291. Aug. 1966. 281.9 In23
- 33957 PARSONS, K. H. Tenure and labour aspects of agricultural development. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p. 95-109. 1966. HN122.5.V7
Central America.
- 33958 PIKE, C. E. Burma fails to make the best use of its natural resources; rejecting most foreign aid, this country has tried to work out its own economic salvation and is now loosening some of its strict controls. *Foreign Agr. Incl. Foreign Crops Markets* 5(5):7-8. Jan. 30, 1967. A281.9 F76Fo
Includes agriculture.
- 33959 POND, M. T. Agriculture and industrial growth. (Por) *Rev. Ceres* 13(73):81-90. May/July 1966. 9.2 C332
Policy based on sector models.
- 33960 PUNJAB, INDIA. BOARD OF ECONOMIC INQUIRY. Report on resurvey of village Naggal, District Ambala. Punjab (India). Board Econ. Inq. Publ. 115, 103 p. 1966. 281.9 Ea72
- 33961 QUERINI, R. Mountain economy and European Economic Community. (It) *Accad. Naz. Agr. Ann.* 77(2):103-129, map. 1966. 16 B632A
- 33962 RAE BURN, J. R. Matching agricultural progress to future demands. *J. Agr. Econ.* [Reading] 18(1):3-26. Ref. Jan. 1967. 281.9 Ag8
Economic policy.
Includes discussion.
- 33963 RANGA, N. G. Economic growth in the Commonwealth. *Rural India* 29(2/3):51-55. Feb./Mar. 1966. 281.28 R889
- 33964 RAS, N. Los procesos sociales del desarrollo económico [Social processes in economic development]. *Inst. Interamer. Cienc. Agr. Ofic. Planeamiento Ser. Planeamiento* 3, 130 p. 1965. 281.9 In8622
- 33965 REES, A. A. M. The role of the agricultural economist in a developing country. *J. Agr. Econ.* [Reading] 18(1):53-73. Jan. 1967. 281.9 Ag8
Includes discussion.
- 33966 SALA ESCOLIES, E. Summary of the Spanish agricultural economy in 1965. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 115(9):160-162. Sept. 1966. 15 Sa5
- 33967 SAMPER, A. Contribution of agriculture to economic growth. (Sp) *Int. Develop. Rev.* 8(4):2-8. Dec. 1966. 280.8 In823
- 33968 SANJEEVAYYA, D. India's industrial development. *Planting Com.* 14(7):5-11. Sept. 8, 1966. 22 P697
Includes agriculture.
- 33969 SCATASSI, E., and TAVERNA, C. Directions for identifying the depressed areas in the Province of Alessandria. (It) *Rass. Econ. Prov. Alessandria* 19(5):29-32. Sept./Oct. 1966. 287 AL24

- 33970 SIEBERT, A. Economic insecurity for West German farmers. (Ge) *Feldwirtschaft* 7(11): 564. Nov.1966. 18 W763
- 33971 SMITH, E. D. Restrictions on policy alternatives relating to underdeveloped regions of developed countries. *J. Farm Econ.* 48(5): 1227-1231. Dec.1966. 280.8 J822
- 33972 STANDARD BANK OF SOUTH AFRICA LIMITED. Annual economic review of South Africa July 1966. n.p., 1966. 36 p., map. 280.9 St26A
Agriculture included.
- 33973 SUNKEL, O. The structural background of development problems in Latin America. *Welt-wirtschaft. Arch.* 97(1):22-63. 1966. 286.8 W462
Touches upon the agricultural economy and foreign trade.
- 33974 TOMLINSON, F. R. Agriculture's role in national economy. *S. Afr. Sugar J.* 50(10):921. Oct.1966. 65.8 So8
- 33975 TUCK, R. H. An examination of some main objectives in agricultural economic policy. *J. Agr. Econ. [Reading]* 18(1):75-94. Jan.1967. 281.9 Ag8
Includes discussion.
- 33976 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Rural people in the American economy. U. S. D. A. Agr. Econ. Ref. 101,125 p., map. Ref., p.99-101. Oct.1966. A281.9 Ag8A
- 33977 U. S. PRESIDENT (L. B. JOHNSON). Economic report of the President transmitted to the Congress, January 1967; together with the annual report of the Council of Economic Advisers. Washington, 1967. 314 p. 149 Ec7
- 33979 VERCELLI, CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Economic and social aspects of the mountain area in the Province of Vercelli. (It) *Cronache Econ.* 287/288:82-93, map. Nov./Dec.1966. 280.8 C882
- 33979 VRIES, E. DE. Existing social and economic patterns and trends. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.39-72. 1966. HN122.5.V7
- 33980 WATANABE, H. Nogyo kozo no shindan [Examination of the agricultural structure]. Tokyo, Taibunkan, 1965. 182 p. HD2092.W3
Agricultural economic system.
- 33981 WEAVER, K. A. Idaho 4-H Club off-the-farm business survey. *Amer. Coop.* 1966:550-554. 280.29 Am3A
Includes study of cooperation.
- 33982 ZAKI, M. A. H. Economic development in the U.A.R. (Egypt) and the role of the agricultural sector. *Diss. Abstr.*, Sect. A, 27(1):16A. July 1966. Z5055.U49D5
- AGRICULTURAL FINANCE**
- 33983 ABASHIN, A. Capital investments in different branches of production. (Rus) *Ekon. Sel'skogo Khoz.* 9:60-64. Sept.1966. 281.8 So73
- 33984 BUDIK, V. On the concept of funds in the finances of agricultural enterprises. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon.* 3:207-215. Ref. 1965. HD1940.C95A1
French and German summaries.
- 33985 DOROSH, L. and others. Basic production funds and capital investment. (Rus) *Ekon. Sel'skogo Khoz.* 10:102-108. Oct.1966. 281.8 So73
V. Bil'skii, P. Lutsii, and G. Podlissetskii, joint authors.
- 33986 HALTER, A. N. Models of firm growth. *J. Farm Econ.* 48(5):1503-1512. Dec.1966. 280.8 J822
Capital accumulation of the farm firm. Includes discussion by R. F. Hutton.
- 33987 HESELTINE, N. Investment in agriculture. 4. Possible patterns in the developing countries. *World Crops* 18(3):46-53. Sept.1966. 281.8 W892
- 33988 HOFFMANN, R. Value insurance clauses in the field of agricultural law. (Ge) *Recht Land-wirt.* 18(12):309-312. Dec.1966. 30.58 R24
Currency.
- 33989 HOOPER, S. Landlords' capital in British agriculture. *Chartered Land Agents' Soc. J.* 65 (12):496-510. Dec.1966. 282.9 L22
- 33990 HRUBAN, E. Economizing with wage funds. (Cz) *Statni Statky* 9(3):44-45. 1966. 19.5 St2
Management of state farm finances.
- 33991 JIANU, E. Economic effectiveness of investments and utilization of fixed assets in state farms: Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 506,13 p. Dec.22,1966. (JPRS 39,247; TT 66-35669) 173 J663StE
Translation from *Revista de Statistica* 15(9): 32-41. Sept.1966.
CFSTI: \$1.00.
- 33992 KOMMUNISTICHESKAYA PARTIYA SOVET-SKOGO SOYUZA. VYSSHAYA PARTIINAYA SHKOLA. Ekonomicheskii analiz sel'skokho-zyaistvennykh predpriyatiy [Economic analysis of activities of agricultural enterprises]. Moskva, Mysl', 1966. 192 p. HD1992.K58
Collective and state farms.
- 33993 MUNIAL, H. R., and RAO, G. R. S. A study of saving habits, awareness and acceptance of life insurance in rural areas. *Rural India* 29 (2/3):74-78. Feb./Mar.1966. 281.28 R889
- 33994 NEUMAN, D. F. Capital requirements and financing practices for restructuring southern agriculture. *J. Farm Econ.* 48(5):1550-1563. Ref. Dec.1966. 280.8 J822
Includes discussion by A. G. Mueller.
- 33995 OSTREJS, K. Better utilization of financial planning and accounting in the development of agricultural production. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon.* 2:169-173. 1966. HD1940.C95A1
French and German summaries.
- 33996 OSTREJS, K. Financing the reproduction of the production funds in agricultural enterprises. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon.* 2:87-93. 1965. HD1940.C95A1
French and German summary.
- 33997 PUNJAB, INDIA. BOARD OF ECONOMIC INQUIRY. Family budgets of twenty-four cultivators in the Punjab for the year 1964-65; being the accounts of twenty-four peasant-proprietors of different agricultural tracts in the State. Punjab (India). Board Econ. Inq. Publ. 114,68 p. 1966. 281.9 Ea72
- 33998 REID, I. G. The effective use of farm capital. *S. Afr. Sugar J.* 50(10):945,947,949. Oct.1966. 65.8 So8
- 33999 STOILOV, S. Material expenditures and effectiveness of agricultural production. (Bu) *Ikonomicheska Misl'* 11(7):34-48. 1966. 280.8 Ik7
French summary, p.133-134.
- Credit**
- 34000 BAILEY, J. D. A hundred years of pastoral banking; a history of the Australian Mercantile Land & Finance Company, 1863-1963. Oxford, Clarendon Press, 1966. 292 p., map. HD9908.A8A8
- 34001 BATTLES, R. U. Credit—a powerful force in agricultural development; agriculture needs credit institutions that are prepared to deviate from traditional banking policy and to follow up loans with technical assistance. *Foreign Agr. Incl. Foreign Crops Markets* 5(1):3-4. Jan.2,1967. A281.9 F76Fo
Developing areas.
- 34002 BHATTACHARYYA, P. C. Prime need of the present co-operative credit structure. *Maharashtra Co-op. Quart.* 49/50(4/1):1-5. Sept.23,1966. 280.28 B63
- 34003 BOGER, L. L. Matching credit service and credit needs in a changing agriculture. *Amer. Coop.* 1966:244-252. 280.29 Am3A

- 34004 CANADA, DEPT. OF AGRICULTURE. ECONOMIC BR. Credit unions in Canada, 1965. Ottawa, 1966. 26 p. 284.29 C163
Text also in French.
- 34005 CANADA, DEPT. OF FINANCE. 21st annual report of operations under the Farm Improvement Loans Act, 1965. Ottawa, 1966. 11 p. 284.29 C164
- 34006 COLLINS, G. P. Will farmers need supplements to present-day conventional credit? Amer. Coop. 1966:259-263. 280.29 Am3A
- 34007 COOPERATIEVE CENTRALE BOERENLEENBANK (NETHERLANDS). Financing of agriculture and horticulture. (Du) Co-operative 28 (334):153-155. Nov.1966. 280.29 N216M
Cooperative Centrale Raiffeisen Bank, co-operating.
Summaries of papers by A. Maris, F. P. J. Bakx, and J. W. Hudig.
- 34008 DATEY, C. D. Agricultural Credit Corporations, Maharashtra Co-op. Quart. 49/50(4/1):49-56. Sept.23,1966. 280.28 B63
- 34009 EWING, D. E. Designing and implementing credit services to changing user needs. Amer. Coop. 1966:253-255. 280.29 Am3A
- 34010 FAGUNDES, S. A. Rural credit in Brazil. (Por) Arco-Iris 15(105):13-14. Nov.1966. 280.28 Ar2
- 34011 FLORQUIN, A., and ESPEN, J. VAN. Where is agriculture and its financing? (Fr) Soc. Etudes Expansion. Rev. 221:441-445. May/June 1966. 280.8 So17
Credit in Belgium.
- 34012 FROREICH, W. VON. Risky tight position in sight for agricultural credit. (Ge) Raiffeisen-Rundschau 18(8):310-311. Aug.1966. 284.28 R132
- 34013 GADGIL, D. R. The co-operative banking system in Maharashtra during the last 25 years. Maharashtra Co-op. Quart. 49/50(4/1):87-96. Sept.23,1966. 280.28 B63
- 34014 GADGIL, D. R. Prospective developments in co-operative finance. Maharashtra Co-op. Quart. 49/50(4/1):7-17. Sept.23,1966. 280.28 B63
Crop loans.
- 34015 GAULT, D. G. The farmer's need for credit—now and future. Amer. Coop. 1966:256-258. 280.29 Am3A
- 34016 GORDON, C. Balanced agricultural credit. Cattleman 53(8):37. Jan.1967. 49 C29
- 34017 HAGEN, H. T. Long-term farm credit now and in the future. Amer. Coop. 1966:264-266. 280.29 Am3A
- 34018 HAYWARD, H. C. Credit services now and in the future. Amer. Coop. 1966:267-269. 280.29 Am3A
- 34019 JAPAN, AGRICULTURAL ADMIN. BUR. Nogyo kairyo shikin seido no kaizetsu. Kaitai han [Explanation of the agricultural improvement financial system]. Rev. ed. Tokyo, Chikyu Shuppan, 1965. 431 p. HD2091.A4
Includes credit.
- 34020 JONES, B. F. The impact of Government-subsidized farm-operating loans on family labor employment in agriculture. J. Farm Econ. 48 (5):1216-1221. Dec.1966. 280.8 J822
- 34021 JOSEPH, P. J. Scope & effect of the Banking Laws Act, 1965 on the co-operative banking structure. Maharashtra Co-op. Quart. 49/50(4/1):69-73. Sept.23,1966. 280.28 B63
Includes agricultural credit.
- 34022 KALYANI, N. A. Long term finance—review of the work done—difficulties experienced by the Bombay (Maharashtra State) Co-operative Land Mortgage Bank Ltd. Bombay. Maharashtra Co-op. Quart. 49/50(4/1):97-104. Sept.23, 1966. 280.28 B63
- 34023 KLINGENBERG, M. All for security: extras in credit. (Ge) Ubersicht 17(10):784-786. Oct.8, 1966. 18 Ub3
- 34024 KREDITFORENINGEN AF EJERE AF MINDRE EJENDOMME PAA LANDET I OSTIFTERNE. Beretning og regnskab [Reports and accounts of the Credit Association of Owners of Smaller Holdings in the Island Provinces], 1965/66, v. 85. Kobenhavn, 1966. 31 p.,map. 284.29 R29
- 34025 KRISHNAMURTHI, C. G. Role of the Reserve Bank of India in relation to the co-operative credit structure. Maharashtra Co-op. Quart. 49/50(4/1):57-67. Sept.23,1966. 280.28 B63
Agricultural.
- 34026 MANTERE, S. Cooperation between the agricultural credit movement and the agricultural credit cooperatives in Finland. (Sw) Sveriges Jordbräksseförbund. Jordbräksseforelsen. 26 (3):82-84. 1966. 284.29 Sv2
- 34027 MEHTA, V. L. Co-operative credit in Maharashtra; a retrospect. Maharashtra Co-op. Quart. 49/50(4/1):83-85. Sept.23,1966. 280.28 B63
- 34028 MONTEL, A. Developments in security. (It) Giurisprudenza Agr. Ital. 13(5):269-272. Ref. May 1966. 16 C44
For debts.
- 34029 MORAHAN, T. Methods of raising money: points to look for. Farmers' J. (n.s.)5(17):36, 38. Dec.1966. 10 F2234
Credit in Northern Ireland.
- 34030 NANDI, K. K., and HARRINGTON, D. N. Credit programs of Missouri farm supply cooperatives. Mo. Agr. Exp. Sta. Bull. 799,27 p.,map. July 1965. 100 M693
- 34031 NAVAS, J. The Central Bank [Banco Central] and the agrarian reform in the country. (Sp) BAP (Banco Agr. Pecuario) Rev. Mens. 1(5):20-21. Apr./May 1965. 284.29 B2242
Venezuela.
- 34032 PAREKH, S. B. Problems of agricultural credit in India. Diss. Abstr., Sect. A, 27(5):1163A-1164A. Nov.1966. Z5055.U49D5
- 34033 PATIL, R. D. The working of central finance agencies in Maharashtra State. Maharashtra Co-op. Quart. 49/50(4/1):105-125. Sept.23, 1966. 280.28 B63
Agricultural credit included.
- 34034 PETERSON, F. H. Management organizations, and the livestock picture. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:50-53. 1966. 43.9 N212
Banker's role and loans to livestock industry.
- 34035 PETERSON, L. Government credit guarantees and subsidies. (Sw) Södermanlands Län Hushållningssällsk. Årsbok 1965:53-54. 11 So1A
- 34036 PLESTED, W. G. Public relations by design—the Land Banks anniversary program. Amer. Coop. 1966:234-240. 280.29 Am3A
- 34037 RAMASUBBU, C. G. Some aspects of co-operative banking. Maharashtra Co-op. Quart. 49/50(4/1):37-48. Sept.23,1966. 280.28 B63
- 34038 REED, B. How does agricultural credit fit you? Cattleman 53(8):36-37. Jan.1967. 49 C29
- 34039 REID, P. A. Perspectives on lending for agriculture in the developing countries. Australian Inst. Agr. Sci. J. 32(3):196-201. Sept.1966. 23 Au74
International Bank for Reconstruction and Development, International Finance Corporation, and International Development Association.
- 34040 REINA, A. Agricultural bill of exchange is antiquated. (It) Esso Agr. 15(5):30-31. Oct. 1966. 58.8 Es7
Credit.
- 34041 RENLUND, G. Some comparisons between the agricultural credit movement and the farm mortgage institutions. (Sw) Sveriges Jordbräksseförbund. Jordbräksseforelsen. 26(3):85-87. 1966. 284.29 Sv2
- 34042 SHRISHRIMAL, W. C. Role of the Apex Co-operative Bank in the co-operative credit structure. Maharashtra Co-op. Quart. 49/50(4/1):27-36. Sept.23,1966. 280.28 B63
- 34043 SWOBODA, W. Is lower interest for agricultural credit at an end? (Ge) Raiffeisen-Rundschau 18(7):267-268. July 1966. 284.28 R132
- 34044 TOOTELL, R. B. Farm credit today. Amer. Coop. 1966:64-65. 280.29 Am3A
Extension of credit to cooperatives by the Farm Credit Administration.
- 34045 TYAGUNENKO, I. Farm credit in Yugoslavia. (Rus) Ekon. Sel'skogo Khoz. 10:109-112. Oct. 1966. 281.8 So73

- 34046 U. S. FARM CREDIT ADMIN. RESEARCH AND INFORMATION DIV. Farm mortgage debt. Washington, 1966. 12 p., map. 1.955 A2G22 Statistics.
- 34047 USER needs now and future. Amer. Coop. 1966:273-287. 280.29 Am3A
Panel discussion: members: D. E. Ewing, D. G. Gaul, G. P. Collins, H. T. Magen, M. C. Hayward, and J. W. Williams.
On credit to cooperatives and farmers.
- 34048 WALLS, M. Y. Should farmers borrow? ~ New Zeal. J. Agr. 112(6):59,61. June 1966. 23 N48J
- 34049 WILKINS, G. L. Financing farm supply dealers. Agr. Banking Financ. 9(1):24-27. Jan./Feb. 1967. 284.8 B22
- 34050 WILLIAMS, J. R. Credit services now and future. Amer. Coop. 1966:270-272. 280.29 Am3A
- Income
- 34051 DULBOKOV, S. National income and development of Bulgarian economy during fifth Five-Year Plan. (Bu) Ekonomicheska Mis' 11(8): 3-15. 1966. 280.8 Ik7
French summary, p.137-138.
Includes agriculture.
- 34052 FYFFE, M. The importance of chance in farm incomes. J. Agr. Econ. [Reading] 18(1):133-137. Jan. 1967. 281.9 Ag8
In relation to management.
- 34053 HERMANN, T. Farmer income and parity wage: orientation on the "Green Report." (Ge) Schweiz. Landwirt. Monatsh. 44(12):389-408. Dec. 1966. 17 Sch93
- 34054 JIRASEK, L. An analysis of the gross income in relation to the intensity of agricultural production of various production regions. (Cz) Prague. Vyskoe Sk. Zemedel. Sb. 1966:37-56. 19.5 P883
English summary.
- 34055 KJORVEN, C. Effects on farm agreement on income from various types of farming. (No) Norsk Landbruk 21:21,23,25. Oct. 21, 1966. 11 N8122
- 34056 MCCORMICK, F. B., and others. 1965 Ohio farm income. Ohio. State Univ. Dep. Agr. Econ. Rural Sociol. A.E. 402,28 p., map. Oct. 1966. 281.9 Oh32
G. L. Clampet, R. R. Bosacker, D. C. Tucker, and E. E. Houghton, joint authors.
Ohio State University Department of Agricultural Economics and Rural Sociology, Ohio Agricultural Research and Development Center, and U. S. Department of Agriculture Statistical Reporting Service, cooperating.
- 34057 PETER, A. Repercussions of the development of prices of products and profits from agricultural production on income in agriculture. (Fr) Confed. Europe. Agr. Publ. CEA 33:103-118. 1966. 28 C763
- 34058 PETROV, V. S. Land rent in collective farms of Bulgaria. (Bu) Ekonomicheska Mis' 11(5): 63-77. 1966. 280.8 Ik7
French summary, p.123-124.
- 34059 POULSON, B. W. Value added in manufacturing, mining, and agriculture in the American economy from 1809 to 1839. Diss. Abstr., Sect. A, 27(1):40A. July 1966. Z5055.U49D5
- 34060 REHWINKEL, E. Prices, costs, and income of agriculture in the E.E.C. (Ge) Molk. - Kaserei-Zeitung 17(49):1965-1966. Dec. 7, 1966. 44.8 M736
- 34061 SLATTERY, M. Relative income of farmers—some international comparisons. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(3): 115-127. July 1966. 281.9 Au73
- Insurance
- 34062 ACHAPAL, J. C., DECHIARA, N., and MARTINI, H. P. DE. System of family subsidies for employees in industry and rural activities. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12(141):334-336. Sept. 1966. 9 So17
- 34063 BONJEAN, A. Social protection of the peasant family in European countries, task of mutual professional help and governmental subsidies. (Fr) Confed. Europe. Agr. Publ. CEA 33:201-216. 1966. 28 C763
- 34064 BOUMA, G. J. A. Social protection of the peasant family in European countries, task of mutual professional help and governmental subsidies; supplementary report. (Fr) Confed. Europe. Agr. Publ. CEA 33:217-238. 1966. 28 C763
- 34065 CARROUE, M. The struggle for the improvement of social security. Land Labour 7(5/6): 24-28. Sept./Dec. 1966. 283.8 L224
France.
- 34066 HARTMANN, C. Insufficient insurance protection? (Ge) Mitt. Deut. Landwirt.-Ges. 82(1): 18-19. Jan. 5, 1967. 18 N39
Fire insurance.
- 34067 KIRNBAUER, J. Social security of the independent gainfully employed in agriculture and forestry in Europe. (Ge) Agr. Rundsch. 4/5: 91-100. Oct. 1966. 280.8 Ag82
- 34068 KLITZING, H. U. VON. Functions and production of agricultural professional cooperatives. (Ge) Diplomalndwirt 16(11):272,274,276. Nov. 1966. 18 D62
Chiefly on accident insurance.
- 34069 NORTH DAKOTA. STATE HAIL INSURANCE DEPT. Forty-sixth report for the period June 30, 1966. Bismarck, 1966. 16 p. 284.69 N814
- 34070 PELAGGI, A. Application of the insurance tokens and obligatory subject in Law No. 1357 of August 18, 1962 on the National Board of Insurance and Assistance to Veterinarians [Ente Nazionale di Previdenza e di Assistenza dei Veterinari] (E.N.P.A.V.). (It) Giurisprudenza Agr. Ital. 13(6):334-336. June 1966. 16 G44
- Taxation
- 34071 ANDRESEN, P. The North Program [Programm Nord]. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 144:20-21. Oct. 15, 1966. 281.8 B462
Increased taxes obtained over a ten-year period.
- 34072 ASHE, H. J. Amend your 1966 declaration of estimated income tax. Poultry Meat 3(4):72, 74. Apr. 1966. 47.8 P8656
For poultrymen.
- 34073 ASHE, H. J. Keep a cash reserve for mounting taxes. Poultry Meat 3(7):75,78. July 1966. 47.8 P8656
Poultry farmer.
- 34074 CAMAMILE, G. H., and CARTER, E. S. Tax in perspective; accounting years and tax years (individuals). Great Brit. Min. Agr. Fish. Food. Agr. 73(11):528-529. (Cont.) Nov. 1966. 10 G79J
- 34075 CAMAMILE, G. H., and CARTER, E. S. Tax in perspective: income tax at 6s. 6d. in the Great Brit. Min. Agr. Fish. Food. Agr. 73(9): 435-436. (Cont.) Sept. 1966. 10 G79J
- 34076 DAMYANOV, K. Improvement of economic relations between government and collective farms under new system of organization of national economy. (Bu) Ekonomicheska Mis' 11(9):49-61. 1966. 280.8 Ik7
French summary, p.139.
In relation to income taxes.
- 34077 DAMYANOV, K. Questions of cooperative farm taxation and the new system of economic management: Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 508:6-17. Dec. 28, 1966. (JPRS 39,308; TT 66-35730) 173 J63Stt
Translation from Ochetnost i Kontrol v Sel'sko Stopanstvo 11:475-482. Nov. 1966.
Issued by CFSTI.
- 34078 DIEDERICH, A. Taxable income—exemptions and adjustment possibilities. (Da) Landbonyt 21(1):25-28,36. Jan. 1967. 11 L2322

- 34079 HINKLEY, F., and TAPLIN, J. A comparison of the tax saving effects of averaging and income equalisation when rural incomes are highly variable. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(4):193-205. Oct. 1966. 281.9 Au73
- 34080 HOUGHABOOM, V. R. 3,4,6,8 and you can still depreciate. Agway Coop. 3(1):11. Jan./Feb. 1967. 280.28 Ag9
Investment credit in taxes.
- 34081 LOVELL, F. I. A study of Mississippi home-stead exemption and implications if a uniform ratio assessment of real property were effected state-wide. Diss. Abstr., Sect. A, 27(5): 1225A-1226A. Nov.1966. Z5055.U49D5
- 34082 SEASTONE, D., and FEATHER, G. The impact of tax burdens and Government expenditure benefits upon the distribution of income in Colorado. Colo. Agr. Exp. Sta. Tech. Bull, 89, 41 p. Ref.,p.40-41. Oct.1966. 100 C71S
- 34083 SINGH, S. A study of certain aspects of agricultural land taxation in the State of Punjab (India). Diss. Abstr., Sect. A, 27(1):38A. July 1966. Z5055.U49D5
- 34084 WITTICH, M. Houses for the culture of mushrooms are considered a part of the enterprise. (Ge) Champignon 6(59):4-5. July 1966. 80 C352
Taxation.
- AGRICULTURAL LABOR AND WAGES**
- 34085 ALLES, K. Work instructions: coupling and uncoupling of joint shafts. (Ge) Landarbeit 17 (8):61-62. Aug.1966. 18 L2355
On tractors.
- 34086 AMPANSKY, I. Labour organisation of the mechanised field work on collective and state farms. Int. Congr. Sci. Work-Organ. Agr. Trans., 13 Congr.:523-532. 1966. S564.15
U.S.S.R.
- 34087 BANDZRAGCH, H. Urgent tasks of state farm workers. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:15-16. Nov.22,1966.
(JPRS 38,741; TT 66-35165) 173 J663Tmo
Mongolia.
Translation from Unen, Apr.24,1966:2.
Issued by CFSTI.
- 34089 BAYER, J. Use of family helpers for relieving farm women. (Ge) Agrarpolit. Rev. 23(4):170-173. Dec.1966. 281.8 Ag824
Switzerland.
- 34089 BLECHSTEIN, K. Labor estimates within the framework of the farm planning systems. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:3-25. 1966. S564.15
English summary.
Linear programming used.
- 34090 BOGELSACK, R., HAGEMANN, and RUTZ, H. The industrial organization and management of the sugar beet harvest in Rugen district. (Ge) Feldwirtschaft 7(8):399-401. Aug.1966. 18 W763
Labor and mechanization.
- 34091 BOKERMANN, R. Possibilities of labor saving in dairy cattle raising. (Ge) Bayer. Landwirt. Jahrbuch 43(5):600-628. Ref.,p.625-628. 1966. 18 L24
- 34092 BOONMAN, D. C. M. A mathematical approach to transportation models. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.: 373-416. 1966. S564.15
English summary.
Work management on the farm.
- 34093 BORCESCU, N., and others. A contribution to the study of the work management and remuneration of labor on the collective farms for the production of poultry. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:501-518. 1966. 49.9 R86L
N. David, I. Saghin, C. Neuman, and L. Zahu, joint authors.
English summary.
- 34094 BRUM, H. D. Non-farm agricultural employment opportunities and training needs in Ohio. Diss. Abstr., Sect. B, 27(1):2B. July 1966. Z5055.U49D53
- 34095 BUSILOW, J. Organization and standardization of mechanized operations in the dairy cattle economy. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:253-264. 1966. S564.15
English summary.
U.S.S.R.
- 34096 CARY, F. C. Research on labor organization in Portugal. (Fr) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:173-185. 1966. S564.15
English summary.
- 34097 CHENNAREDDY, V. Present values of expected future income streams and their relevance to mobility of farm workers to the non-farm sector in the United States, 1917-62. Diss. Abstr., Sect. A, 27(5):1157A-1158A. Nov. 1966. Z5055.U49D5
- 34098 CLEAVER, T. Performance of herringbone milking layouts for large herds in warm climates. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:265-278. 1966. S564.15
- 34099 CLUZEL, H., and FRAIGNEAUD, R. Aides apportées aux agriculteurs migrants dans les pays de la CEE [Aid to migrant farmers in the countries of the EEC]. Europe. Econ. Community. Etudes. Ser. Agr. 22,91 p. 1966. 281.9 Eu7
- 34100 CRKVA, F. Fund for wages and the gross income of state farms. (Cz) Statni Statky 9(3): 40-43. 1966. 19.5 St2
- 34101 CRUMP, D. K. Should the farmer buy his own machines? New Zeal. J. Agr. 113(6):25,27. Dec.1966. 23 N48J
- 34102 DAELEMANS, J. Economic and work study in dairy cattle barns. (Fr) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:189-200. 1966. S564.15
English summary.
- 34103 DESHPANDE, U. G., and PATIL, S. O. How our farmers engage themselves. Dhulia. Coll. Agr. Mag. 5(1):24-30. Jan.1966. 107.5 D533
- 34104 DHAR, N. S. Productivity approach in field operations on tea estate. Planters' Chron. 61(17):367-369. Sept.1,1966. 22 P693
Wage incentives in India.
- 34105 DUFRENOY, J. Critical path methods. (Fr) Cah. Ingen. Agron. 209:28-30. Oct.1966. 14 C112
Critical Path Scheduling in operations research.
- 34106 DUFRENOY, J. PERT method applied to the estimation of operating time to allow for the accomplishment of each successive task to complete a project. (Fr) Cah. Ingen. Agron. 210:21-23. Nov.1966. 14 C112
- 34107 ELDEREN, E. VON. Task times and field shape. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:105-129. 1966. S564.15
- 34108 ENESE, L. Calculation method to determine prospective annual labour of complex machine groups in large-scale farms. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:79-87. 1966. S564.15
- 34109 FLECK, J. The effects of division of labor and the structure of labor force on the human labor requirement in agriculture. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15 (4):535-538. 1966. 509 B453
- 34110 FRANKEL, H. Measurement of agricultural productivity and work study. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:161-166. 1966. S564.15
- 34111 FULDA, E. Reforms in the work-day accounting? (Ge) Landarbeit 17,i.e.18(1):4-7. Jan. 1967. 18 L2355
- 34112 GEISSENDORFER, K. The development of labor costs and their relation to farm and net income in Bavarian agriculture from 1956/57 to 1963/64. (Ge) Bayer. Landwirt. Jahrbuch 43 (2):131-149. 1966. 18 L24

- 34113 GOECKE, W. On sitting at work and sports. (Ge) Landarbeit 17(10):73-74. Oct. 1966. 18 L2355
With reference to use of agricultural equipment.
- 34114 GROLIG, A. Labor productivity in agricultural enterprises. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon. 3:185-205. 1965. HD1940.C95A1
French and German summaries.
- 34115 GUSTAVSON, G. Can farm assistants solve the labor problem in animal husbandry? (Sw) Gavleborgs Lans Hushallningssallsk. Lantbrukstidskr. 42(3):9-10. 1966. 11 G24L
- 34116 HAUTAMAKI, L. Distribution of occupational groups between agglomerations in urban and rural communes and areas of dispersed settlement. (Fi) Terra [Helsinki] 78(2):65-71. 1966. 20 T272
English summary.
- 34117 HERBERT, J. Broilermen buck labor shortages. Poultry Meat 3(7):74-75. July 1966. 47.8 P8656
- 34118 HESSELBACH, J. Problems and procedures with labor estimates in new farm planning processes. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:27-44. 1966. S564.15
English summary.
Statistical methods.
- 34119 HOFFMANN, H., and JALASS, G. Organization and production of loading and transport brigades of the BHG Kropelin in root crop harvesting. (Ge) Feldwirtschaft 7(8):403-406. Aug. 1966. 18 W763
- 34120 HOLMER, N. Substitute dairy farm workers. (Sw) Lantbrukstidskr. Jamtland Harjedalen 19(1):10-12. 1966. 11 L293
- 34121 ILLES, T. Guaranteed wages. (Hu) Magyar Mezogazdasag 22(1):6-7. Jan. 4, 1967. 19 M27
For agricultural labor.
- 34122 INTERNATIONAL CONGRESS OF SCIENTIFIC WORK-ORGANISATION IN AGRICULTURE, 13, BRUXELLES, 1966. Transactions. Lemberge, Rijksstation voor Boerderijbouwkunde, 1966. 545 p. Ref. S564.15
Papers in English, French or German.
- 34123 JEZEK, L. Labor process, its division and study in agriculture. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon. 3:227-235. 1965. HD1940.C95A1
French and German summaries.
- 34124 JOSHI, M. C., and SARMA, Y. S. R. Facets of rural employment problem in India. Agr. Situation India 21(5):323-330. Aug. 1966. 281.9 In23
- 34125 KALOCZAY, F. Problems of labor organization of machine groups on Hungarian state farms. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:533-545. 1966. S564.15
English summary.
- 34126 KARLSSON, R. Substitute for work relief on the family farm. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(4):24-26. 1965. 12 L29
- 34127 KASSIER, W. E. Work study research in South Africa. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:167-172. 1966. S564.15
- 34128 KAVEN, E. Exertion of strength of the use of self-driving hay harvesting equipment on steep slopes. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:455-465. 1966. S564.15
English summary.
Austria.
- 34129 KELLER, P. Work simplification in cowsheds. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:227-238. 1966. S564.15
- 34130 KEYMER, U. The position of the woman on the farm. (Ge) Bayer. Landwirt. Jahrbuch 42(8):899-916. 1965. 18 L24
Labor on the family farm.
- 34131 KHUBENOV, S., and DOKOV, I. Labor expenditure during various techniques applied to milking. (Bu) Vissz Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):513-520. 1965. 106.3 P72
German summary.
- 34132 KRAUSE, V. The work object, methodical aid in agricultural labor education. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:155-159. 1966. S564.15
English summary.
- 34133 KROCHMAL, A. Labour input and mechanisation of cassava. World Crops 18(3):28-30. Sept. 1966. 281.8 W892
- 34134 LEONOV, I. The wages of workers in agricultural enterprises. Land Labour 7(5/6):41-45. Sept./Dec. 1966. 283.8 L224
U.S.S.R.
- 34135 LIEM, T. L., and GERRITSEN, J. G. C. ETA (Elemental Times in Agriculture) principles in the development of a system for time-standard determination in agriculture. (Du) Landbouwkundig Tijdschr. 78(11):375-380. Ref. Nov. 1966. 105.2 Or3
- 34136 LIPS, J. Manual gathering of barn manures and their spreading on the field. (Fr) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:467-485. 1966. S564.15
English summary.
Labor work management and productivity in Belgium.
- 34137 MANIECKI, F. Labor organization and requirements in dairy cattle care. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:239-244. 1966. S564.15
English summary.
- 34138 MANTEUFFEL, R. Experience in farm labour planning based on mathematical systems. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:89-104. 1966. S564.15
- 34139 MARCUS, P. The economics of seasonal farm labor in New Jersey. Diss. Abstr., Sect. A, 27(1):5A. July 1966. Z5055.U49D5
- 34140 MARTIN, W. E. Alien workers in United States agriculture: impacts on production. J. Farm Econ. 48(5):1137-1145. Ref. Dec. 1966. 280.8 J822
- 34141 MELCHIONNA, R. The apprentice on the agricultural enterprise. (It) Giurisprudenza Agr. Ital. 13(4):206-208. Ref. Apr. 1966. 16 G44
- 34142 MOENS, A. Design of an agricultural work study course. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:145-154. 1966. S564.15
- 34143 MOORAHREND, A. Decrease in working hours and leisure, social problem of peasant agriculture. (Fr) Confed. Europe. Agr. Publ. CEA 33:239-250. 1966. 28 C763
- 34144 MORRIS, W. H. M., and CASLER, G. L. The utilization of data from work study for decision making in farm management. 2. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:51-78. Ref. 1966. S564.15
- 34145 MYSLIVECEK, F. Aspects of the role of labor in Czechoslovak agriculture. (Cz) Prague. Vyskoe Sk. Zemedel. Sb. 1966:23-35. 19.5 P883
English summary.
Productive capacity.
- 34146 PIEL-DESRUISSEAU, J., and DUPONT-CHELLE, F. Work study in the production of young beef calves. (Fr) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:323-346. 1966. S564.15
English summary.

- 34147 POPA, A., and others. Contributions to organization and remuneration of labour cattle breeding in the agricultural production cooperatives. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:579-600. 1965. 49.9 R86L. N. Borgescu, N. David, and I. Saghin, joint authors. English summary.
- 34148 POSTMA, G. Milking procedure, labor organization, labor productivity and income on grass-land farms. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:289-305. 1966. S564.15
English summary.
Effect of machine milking on labor requirements and productivity and costs and returns in the Netherlands.
- 34149 RADOVICS, G. Milk handling in large-scale farm milk houses. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:307-321. 1966. S564.15
Work management.
- 34150 RICHTER, J. The new minimum wage law analyzed for poultrymen. Poultry Meat 3(11): 44,46-48. Nov.1966. 47.8 P8656
- 34151 RLKENBARG, G. J. H., and JONG, A. P. S. DE. The relationship between farm management and farm buildings in the grass-land farm. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:201-225. 1966. S564.15
Time studies.
- 34152 SCHON, H. Stanchion barn or loafing barn. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 144:3-16. Oct.15,1966. 281.8 B462
Comparison of labor and building costs.
- 34153 SCHUH, G. E., and TYRCHNIEWICZ, E. W. Behavioral equations and equilibrium in the agricultural labor market. J. Farm Econ. 48(5): 1222-1226. Dec.1966. 280.8 J822
- 34154 SCHUMANN, K., and FLEISCHER, L. Cooperative use of plant protection brigades in socialist agriculture. (Ge) Feldwirtschaft 7(8):439-441. Ref. Aug.1966. 18 W763
Inter-farm.
- 34155 SEIDLER, R. The industrial management and organization of the 1966 harvest. (Ge) Feldwirtschaft 7(8):397-399. Aug.1966. 18 W763
Labor.
- 34156 SINAK, J. Further policy steps regarding wages on state farms. (Cz) Statni Statky 9(5): 65-67. 1966. 19.5 St2
- 34157 SINAK, J. Material incentive under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 487:1-9. Oct.23,1966. (JPRS 38,375; TT 66-34801) 173 J633St
Czechoslovakia.
Translation from Ekonomika Zemedelstvi 8: 205-208. Aug.1966.
Issued by CFSTI.
- 34158 SODERKVIST, A. Cooperative cleaning of barns. (Sw) Var Naring 43(3):75. 1966. 44.8 M692
- 34159 STANKOVIC, D. The influence of loading and unloading methods for sugar beets on the effectiveness of conveyors. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.: 417-432. 1966. S564.15
English summary.
- 34160 SUGGS, C. W., and HUANG, B. K. Seat suspension characteristics and operator response to farm machinery vibration. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:433-453. 1966. S564.15
- 34161 SVENNERSJO, S. O. How to arrange for substitute for work relief in dairy barn. (Sw) Lanbruksidskr. Stockholms Lan Stad 15(4): 23. 1965. 12 L29
- 34162 VOS, H. W. The human effort in machine milking. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:279-288. 1966. S564.15
- 34163 VRBA, L. Prace v zemedelstvi z moznosti jeji racionalizace [Labor in agriculture and possibilities for an increase of its productive capacity]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 99 p. HD70.C95V7
- 34164 WENNER, H. L. Technique and labor economy in modern cattle barns. (Ge) Bayer. Landwirt. Jahrbuch 43(spec.no.1):58-85. 1966. 18 L24
Includes costs.
- 34165 WILJES, H. G. DE. Work days on which weather does not permit the carrying out of field work (bad weather days). (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:131-142. 1966. S564.15
English summary.
Planning of combine harvesting with economic models.
- 34166 WORLD CONFERENCE OF TRADE UNIONS OF AGRICULTURAL, FORESTRY AND PLANTATION WORKERS, 5, 1966. Basic preparatory document. Land Labour 7(3):13-52. May/June 1966. 283.8 L224
- 34167 ZHURIKOV, V., MIKHAILOV, V., and GARIPOV, K. Proper organization of guaranteed wages on collective farms. (Rus) Ekon. Sel'skogo Khoz. 9:84-91. Sept.1966. 281.8 So73
- 34168 ZIEGLER, L. W. Labor management in the citrus industry. Citrus Indus. 47(10):24. Oct. 1966. 80 C49

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 34169 AIELLO, C. Effects of the European Common Market on agricultural development of the South of Italy. (It) Accad. Naz. Agr. Ann. 77 (2):51-54. 1966. 16 B632A
- 34170 ALBERTARIO, P. The agricultural agreements. (It) Molini Ital. 17(7):246-248. July 1966. 298.8 M73
European Common Market.
- 34171 ALLENDE Y GARCIA-BAXTER, T. DE, and ORTEGA ROSALES, P. Agriculture and forestry mission in the European countries. (Fr) Confed. Europe. Agr. Publ. CEA 33:5-34. 1966. 28 C763
- 34172 AMOROSO, N. A difficult agriculture. (It) Agricoltura 15(12):23-30. Dec.1966. 16 Ag8226
Molise.
- 34173 ANDREU MASSO, A. Socio-economic notes on rural industrialization. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(8):142-144. Aug.1966. 15 Sa5
Agricultural policy.
- 34174 ASSERETTO, A. General lines of Community agricultural policy and problems of floriculture in the European Common Market. (It) Accad. Naz. Agr. Ann. 77(2):55-57. 1966. 16 B632A
- 34175 AUSTRIA. BUNDESREPRESIDENT. Österreichisches Jahrbuch 1965. Siebenunddreissigste Folge [Austrian yearbook 1965, thirty-seventh issue]. Wien, 1966. 836 p. 266 Au72A
Contains a chapter on agriculture and forestry.
- 34176 BAN, A. W. VAN DEN. Organization of community development in India. (Du) Landbouwkundig Tijdschr. 78(12):397-400. Dec.1966. 105.2 Or3
- 34177 BANDINI, M. General lines of Community agricultural policy. (It) Accad. Naz. Agr. Ann. 77(2):15-22. 1966. 16 B632A
- 34178 BISHOP, R. A. Report to the Government of Turkey on project formulation and appraisal. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2131,13 p. 1966. 281.9 F733E
Agricultural program.
- 34179 BRIOTTA, L. DELLA. Problems of Valtellina agriculture yesterday and today. (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val Chiavenna 19(10):10-18. Oct.1966. 287 So5

- 34180 BUCAN, M. Profile of Bulgarian agriculture viewed by Yugoslav writer. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 520:1-16. Feb. 10, 1967. (JPRS 39,866; TT 67-30514) 173 J663Ste
Translation from Agronomski Glasnik 16(10): 731-740, 1966.
Issued by CFSTI.
- 34181 BUZDALOV, I. N. Ekonomicheskaia effektivnost' intensifikatsii sel'skokhozyaistvennogo proizvodstva [Economic effectiveness of intensification in agricultural production]. Moskva, Kolos, 1966. 389 p. HD1992.B8
Policies and finance.
- 34182 CHANG, H. S. Plans and starts. Far East. Econ. Rev. 55(3):89-92, 94. Jan. 19, 1967. 280.8 F223
Agricultural policy in North Korea included.
- 34183 COPPOCK, J. T. Agricultural developments in Nigeria. J. Trop. Geogr. 23:1-18, map. Ref. Dec. 1966. 331.8 M29
- 34184 DRAKE, F. R., and VOLUM, A. G. Agriculture in East Gippsland—post-war changes and developments. J. Agr. [Melbourne] 64(10):431-436, 471, map. Oct. 1966. 23 V66J
- 34185 DROSDOFF, M. Technical assistance in agricultural development. J. Range Manage. 19(6):321-324. Nov. 1966. 60.18 J82
Foreign trainees.
- 34186 ENDRIZZI, L. Aspects of agriculture in the State of Israel. (It) Terra Trentina 12(5):231, 233-235. June 1966. 16 T277
- 34187 FIELD, M. J. Farming cameo: series 3. 44. Mid-Surrey. Great Brit. Min. Agr. Fish. Food. Agr. 73(9):444-445. Sept. 1966. 10 G79J
- 34188 FISCHER, L. Considerations on American agricultural policy. (Ge) Agrarpolit. Rev. 23(4): 161-169. Dec. 1966. 281.8 Ag624
- 34189 FORD, G. W. The Common Market; agricultural structure policies in the member States. Great Brit. Min. Agr. Fish. Food. Agr. 73(9): 410-415, map. (Cont.) Sept. 1966. 10 G79J
- 34190 FORTINI, D. Public interest and agriculture. (It) Giurisprudenza Agr. Ital. 13(3):135-137. Mar. 1966. 16 G44
- 34191 FRANCIS, T. V. The Third Plan: a mid-term assessment. Rural India 29(2):79-80. Feb./Mar. 1966. 281.28 R889
- 34192 GECHTER, H. A. Why competition of German rural youth? (Ge) Mitt. Deut. Landwirt.-Ges. 81(46):1757-1758. Dec. 1, 1966. 18 N39
- 34193 GILDER, N. I. Farming cameo: series 3. 46. Chantonbury, West Sussex. Great Brit. Min. Agr. Fish. Food Agr. 73(11):548-549. Nov. 1966. 10 G79J
- 34194 GIORNATE DI STUDIO SUL MEC AGRICOLO, BOLOGNA, 1965. Report of the Study Sessions on the Agricultural Common Market. (It) Accad. Naz. Agr. Ann. 77(2):3-137, map. Ref. 1966. 16 B632A
Introductory address by G. Goidanich; concluding remarks by L. Levi-Sandri.
- 34195 GOODSTADT, L. F. Sad harvest. Far East. Econ. Rev. 55(3):94-95. Jan. 19, 1967. 280.8 F223
Agricultural situation in Burma.
- 34196 HAMID, R. A. Inaugural speech of Rana Abdul Hamid, Chairman, Food and Agriculture Council, Pakistan, and Minister in Charge, Agriculture and Works, Government of Pakistan, at the twelfth meeting of the F.A.C.P. at 10 a.m. on the 22nd August, 1964. Agr. Pakistan 16(2):137-139. June 1965. 22 Ag832
- 34197 HANSEN, E. H. "Barney" Allen's report. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv., 39-41. 1965. 280.39 N213P
Federal-State relations in agriculture.
- 34198 HOCHERL, H. German agricultural policy and the E.E.C. (Ge) Obst Gemuse 30(12):4. Dec. 1966. 286.83 O872
- 34199 INFORMACOES agrarias [Agricultural information]. Rio de Janeiro, Instituto Nacional do Desenvolvimento Agrario, 1966. loose-leaf. S517.B715
Kept up to date by supplementary and revised sheets.
- 34200 IVANOVIC, M. Some problems in Yugoslav agriculture in the coming economic year. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 513:36-42. Jan. 17, 1967. (JPRS 39,561; TT 67-30211) 173 J663Ste
Translation from Poljoprivreda 10/11:1-7. Oct./Nov. 1966.
Issued by CFSTI.
- 34201 JARVESSOO, E. Estonia: progress in agriculture despite socialization in the Soviet-occupied country. Int. Peasant Union. Bull., July/Dec. 1966:18-23. 280.9 In822
- 34202 KHURSHID, M. Statement by Mr. M. Khurshid, S.P.k., CSP, leader of the Pakistan Delegation at the seventh FAO Regional Conference held at Alexandria in October, 1964. Agr. Pakistan 16(2):141-144. June 1965. 22 Ag832
Discussion of Five-Year Plans.
- 34203 KOHNKE, H., and ROBERTSON, L. S. Changing patterns of agriculture. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p. 519-531. 1966. QH105.L615
- 34204 KONDO, Y., ed. Nembo suru noson [The changing rural community]. Tokyo, Ochanomizu Shobo, 1965. 286 p. (Nihon Nogyo Nempo 14). 281.8 N572
Agriculture.
- 34205 KOVALEV, E. Agricultural problems in Venezuela. (Rus) Ekon. Sel'skogo Khoz. 11:107-111. Nov. 1966. 281.8 So73
Situation and outlook.
- 34206 LEE, Y. L. The Dayaks of Sarawak. J. Trop. Geogr. 23:28-39, map. Ref. Dec. 1966. 331.8 M29
Includes agriculture and shifting cultivation.
- 34207 LEVI-SANDRI, L. Current problems of the Community, with special regard to agricultural questions. (It) Accad. Naz. Agr. Ann. 77(2):5-14. 1966. 16 B32A
- 34208 LOCKHART, J. Agricultural outlook and co-operation. (Fr) Mouton 21(11):99-100. Nov. 1966. 45.8 M86
In France.
- 34209 MACNAUGHT, J. Agricultural policy developments in the EEC. Can. Dep. Agr. Agr. Abroad 21(6):26-29. Dec. 1966. 281.9 C1642A
- 34210 MAKINGS, S. M. Agricultural change in Northern Rhodesia/Zambia: 1945-1965. Food Res. Inst. Stud. 6(2):195-247. Ref. 1966. 389.8 F7382
- 34211 MARCHANT, M. French agricultural and swine production in the frame of the European Common Market. (Fr) Tech. Lait. 523:22-24. July 1, 1966. 44.8 O82
- 34212 MARTIN, L. R. Effects of alternative Federal policies on welfare of rural people. J. Farm Econ. 48(5):1267-1278. Dec. 1966. 280.8 J822
In relation to the Poverty Program.
Includes discussion by H. W. Ottoson.
- 34213 MARTIRANO, G. Legislative activity of the Senate and Chamber. (It) Rass. Agr. Ital. 21(10):29. Oct. 1966. 281.8 R18
Agricultural.
- 34214 MEDICI, G. In Italy and in Europe a new agriculture is being shaped. (It) Cronache Econ. 286:15-38. Oct. 1966. 280.8 C882
Includes the European Common Market.
- 34215 MEHREN, G. L. American agriculture; the days ahead. West. Grower Shipper 38(1):19-21, 26. Jan. 1967. 280.38 W52
Government policy.
- 34216 MELLOR, J. W. Production problems and issues in agricultural development. J. Farm Econ. 48(5):1195-1202. Dec. 1966. 280.8 J822
Discussion by L. R. Brown, p. 1204-1206.

- 34217 MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. Rural Michigan—now and in 1980: Farmers' Week 1966, January 31 to February 4. Mich. State Univ. Publ. 60(9), 61 p., map. Jan. 1966. 276 M581Fa
- 34218 MONCUR, R. C. Highlights of the agriculture and trade of the Rep. of South Africa. Foreign Agr. Incl. Foreign Crops Markets 5(5):16. Jan. 30, 1967. A281.9 F76Fo
- 34219 MOORE, A. W. Australian farm costs and problems similar to ours. New Zeal. Meat Prod. 11(3):33. Dec. 1, 1966. 50.8 N48
- 34220 MULLER, E. Die Neuordnung der Landwirtschaft als gesellschaftliche Aufgabe [The reorganization of agriculture as a social task]. Agrarsoz. Ges. Materialsamml. 48, 16 p. 1966. 281.9 Ag862M
- 34221 NAGODA, L. Ethiopian agriculture has great possibilities—but they have not been utilized as yet. (No) Norsk Landbruk 25/26:18-19, 31. Dec. 16, 1966. 11 N8122
- 34222 NOORT, P. C. VAN DEN, and HALASZI, J. The productivity level of East European agriculture. (Du) Econ.-Statist. Ber. 52(2574):23-25. Jan. 4, 1967. 280.8 E722
- 34223 OKAMOTO, K. Nogyo kozo no chiiki teki kenkyu [Research on agricultural region organization]. Tokyo, Daimedei, 1965. 171 p. HD2092.O4
Agricultural geography.
- 34224 PARKH, A. Analysis of growth components and method of constructing the index number of agricultural production under constant cropping pattern. Indian J. Agr. Econ. 21(3):41-47. July/Sept. 1966. 281.8 In2
- 34225 PASQUALINI, F. Modernising French agriculture. World Crops 18(3):70-71. Sept. 1966. 281.8 W892
- 34226 PERINI, D. Notes on the 1966 Green Plan of the German Federal Republic. (It) Riv. Econ. Agr. 21(3):59-62. 1966. 281.8 R52
- 34227 PISANI, E. Recent variations in French agrarian policy and its adaptation to the deep modifications of the modern world. (Fr) Acad. Naz. Agr. Ann. 77(1):13-33. 1966. 16 B632A
Includes discussion.
- 34228 PIZZUTI, A. Community regulations in the agricultural sector. (It) Accad. Naz. Agr. Ann. 77(2):23-28. 1966. 16 B632A
- 34229 POUS PENA, E. Agricultural panorama. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12 (142):376-377, 380. Oct. 1966. 9 So17
Argentina.
- 34230 PROTETTI, E. Possessory judgment pending petitionary judgment. (It) Giurisprudenza Agr. Ital. 13(10):533-535. Oct. 1966. 16 G44
- 34231 RESTIVO. The agricultural policy of the E.E.C. in the Chamber. (R) Molini Ital. 17(6):208-210. June 1966. 298.8 M73
- 34232 RESTIVO. A policy of progress for an efficient agriculture. (It) Agricoltura 15(12):i-x. Dec. 1966. 16 Ag8226
On the 1966-70 Five-Year Plan.
- 34233 RESTIVO, F. 1966: a fruitful year. (It) Agricoltura 15(12):15-17. Dec. 1966. 16 Ag8226
- 34234 RIEBE, K. Agriculture in the USA. (Ge) Landarbeit 17, i.e. 18(1):1-4. (Cont.) Jan. 1967. 18 L2355
- 34235 RINGWALD, F. Agriculture of the Iberian Peninsula. I. (Ge) Agrarpolit. Rev. 23(3):116-129. Nov. 1966. 281.8 Ag824
Installment deals with Portugal.
- 34236 RINGWALD, F. Agriculture of the Iberian Peninsula. II. (Ge) Agrarpolit. Rev. 23(4):147-158. Dec. 1966. 281.8 Ag824
Installment deals with Spain.
- 34237 ROME, ISTITUTO DI TECNICA E PROPAGANDA AGRARIA. Guida breve dell'agricoltura italiana [Brief guide to Italian agriculture]. Roma, 1966. 510 p., map. S517.I818
- 34238 RUSHDI, A. A. Impact of development programme in agriculture. Com. Indus. 10 (9, i.e. 11):29-30. (Cont.) Nov. 1966. 286.8 C734
Pakistan.
- 34239 SANTMYER, C. Highlights of the agriculture and trade of Tunisia. Foreign Agr. Incl. Foreign Crops Markets 5(1):12. Jan. 2, 1967. A261.9 F76Fo
- 34240 SCAPACCINO, G. From the second Green Plan to the five-year program of economic development. (It) Rass. Agr. Ital. 21(10):9-11. Oct. 1966. 281.8 R18
- 34241 SCHIFFGEN, W. Exemplary cooperative technical assistance. (Ge) Raiffeisen-Rundschau 19(1):11-12. Jan. 1967. 284.28 R132
German agricultural program in Somalia.
- 34242 SEDATI, G. These are the prospects of development. (It) Agricoltura 15(12):30-32. Dec. 1966. 16 Ag8226
In Molise.
- 34243 SEILER, B. Problems of farming in Schaffhausen. (Ge) Grune 94(41):1490-1494. Oct. 14, 1966. 17 Sch9
- 34244 SHEN, T. H. Agricultural development in Taiwan Province, Republic of China. Indus. Free China 26(5):13-23. Nov. 1966. 297.8 T99
Policy.
- 34245 SMIT, H. J. M. Rounding off of the common agricultural policy. (Du) Ned. Zuivelbond. Offic. Orgaan 58(31):657-658. Aug. 3, 1966. 44.9 AL3
Includes milk price control.
- 34246 STIFTSELSEN SVENSKA LANTRUKSVECKAN. Lantbruksveckan [The agricultural week], 1965. Stockholm, 1965. 200 p. 11Sw34
- 34247 THOMAS, U. Die landwirtschaftlichen Prämierungen in Württemberg im 19. Jahrhundert [Agricultural awards in Württemberg in the 19th century]. Hohenheim. Landwirt. Hochsch. Arb. 36, 116 p. Ref. 1966. 105.8 H686A
- 34248 TITTA, A. Preliminary profiles of "Green Europe." (It) Cronache Econ. 285:41-50. Sept. 1966. 280.8 C882
Agriculture in the European Economic Community.
- 34249 TOFANI, M. Agricultural policy measures and some developments in Italian agriculture. (It) Riv. Econ. Agr. 21(2):3-10. 1966. 281.8 R52
- 34250 TOI, M. Nihon no nogyo seisaku [Agricultural policy of Japan]. Tokyo, Yuhikaku, 1966. 224 p. HD2093.T6
- 34251 TREAKLE, H. C. Highlights of the agriculture and trade of the Sudan. Foreign Agr. Incl. Foreign Crops Markets 5(3):16. Jan. 16, 1967. A281.9 F76Fo
- 34252 TUNG, S. T. Facts and fallacies (problems of agriculture and the peasant in China). Int. Peasant Union. Bull., July/Dec. 1966:27-29. 280.9 In822
U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Agriculture in the U. S.; prepared for National Advisory Commission on Food and Fiber, Jan. 11-13, 1966. Washington, 1966. 135 p., map. aHD1753.A5
- 34254 VEISSEYRE, R., and LENOIR, J. Journey of study in Low Countries by the students of agricultural industries and dairy science, 21-26 June 1965. (Fr) Agriculture [Paris] 29(294):357-360. (Cont.) Nov. 1966. 14 Ag823
- 34255 VERGHESE, T. C. Indian agriculture problems and promises. Yojana 10(12):25, 27. June 26, 1966. 280.8 Y7
Report of a seminar.
- 34256 WEHENSTEPHANER HOCHSCHULTAGUNG. Vorträge [Papers]. Bayer. Landwirt. Jahrbuch 43(spec.no.1), 98 p. Ref. 1966. 18 L24
Sponsored by the Faculty for Agriculture and Horticulture of the Munich Technical Academy in Weihenstephan [Fakultät für Landwirtschaft und Gartenbau der Technischen Hochschule München in Weihenstephan].
- 34257 WHITLOCK, R. The way ahead? Mod. Farmer 4(1):14. Jan./Feb. 1966. 10 M723
Agricultural legislation in Great Britain.

- 34259 WICK, H. J. With some delay—the second Green Plan in Italy. (Ge) Raiffeisen-Rundschau 19(1):25-26. Jan.1967. 284.28 R132
- Subsidies
- 34259 MORAHAN, T. Agricultural Trust will "bridge" that farming gap. Farmers' J. (n.s.) 5 (12):13. July 1966. 10 F2234
Northern Ireland.
- 34260 ROBERTSON, D. S. How equalization works. Queensland Agr. J. 92(11):684-686. Nov.1966. 23 G83
Agreement between Commonwealth Dairy Produce Equalization Committee and individual butter and cheese manufacturers.
- 34261 SCAPACCINO, G. Floods and provisions for the flooded—olive oil. (It) Rass. Agr. Ital. 21(12):16-19. Dec.1966. 281.8 R18
Subsidies and benefits available to flooded farmers and a note on the provision for olive oil on the Common Market.
- 34262 VITAL, N. Subsidizing of agricultural building. (Ge) Schweiz. Landwirt. Monatsh. 44(7/8):245-274. map. July/Aug.1966. 17 Sch93
Includes settlement.
- COST AND STANDARD OF LIVING
- 34263 CARPENTER, B. H. A high American standard of living requires a healthy agriculture. Cattleman 53(8):32,132-133. Jan.1967. 49 C29
- FARM MANAGEMENT AND LAND ECONOMICS
- 34264 AANDERUD, W. G., and CRANDALL, F. Planning for more profitable use of resources. S. Dak. State Univ. Ext. Circ. 652,94 p. Sept.1966. 275.29 So85
Farm management.
- 34265 AGNEW, S. Farm effluent. Farmers' J. (n.s.) 5(3):39. Oct.1,1965. 10 F2234
Farm management in Northern Ireland.
- 34266 ANDIC, V. E. Public monopoly: effects of public monopoly on private enterprise in east central Europe. Int. Peasant Union. Bull., July/Dec.1966:24-26. 280.9 In822
Collectivization.
- 34267 ARTEMENKO, N. A. Reporting on natural factors and intensity of equipment use for the analysis of utilization of technology. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:79-87. 1965. 281.9 M852
Machine tractor stations on collective farms.
- 34268 BROOKS, J. H. Farm and range management—the opportunity for bankers. Agr. Banking Financ. 9(1):21-22. Jan./Feb.1967. 284.8 B22
- 34269 BRUSARSKI, K. Some specific problems related to effectiveness of production of perennial fruit orchards. (Bu) Ekonomicheskia Mis'1 11(7):49-63. 1966. 280.8 K7
French summary, p.134.
Economic management.
- 34270 BUSS, P. Future production possibilities for small farms. (Ge) Agrarpolit. Rev. 22(12):496-504. Aug.1966. 281.8 Ag824
Switzerland.
- 34271 BURIAN, J. Problems of the state farms in South Moravia. (Cz) Statni Statky 9(1):6-7. 1966. 19.5 St2
Productive capacity and specialized farming.
- 34272 BUTCHER, W. R., and WHITTESEY, N. K. Trends and problems in growth of farm size. J. Farm Econ. 48(5):1513-1521. Dec.1966. 280.8 J822
Includes discussion by J. F. Thompson.
- 34273 BUTKOV, E., KOLESNYAK, V., and MORYGANOVA, A. Potato-lupine growing and livestock raising farms on sandy soils. (Rus) Ekon. Sel'skogo Khoz. 9:71-78. Sept.1966. 281.8 So73
- 34274 CARLSSON, M. Farm family—large-scale production. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1965:69-78. 11 Sw34
In relation to costs and returns.
Discussion, p.78-86.
- 34275 CHIAPPINI, U. Incidence of technological factors on the competitiveness of livestock production costs. (It) Accad. Naz. Agr. Ann. 77(2):64-79. 1966. 16 B632A
Farm management, labor, and plant obsolescence; includes detailed cost figures.
- 34276 COOLMAN, F. Some principles to be observed in programming and planning in agriculture. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:45-50. 1966. S564.15
- 34277 CORBETT, D. J. The organisation and management of a modern pig unit. Vet. Rec. 80(1):10-18. Jan.7,1967. 41.8 V641
Includes discussion.
- 34279 COX, M. L. Strengthening range management assistance: the administrator. J. Range Manage. 19(6):325-327. Nov.1966. 60.18 J82
- 34279 CRKVA, F. Proper organization of state farms as a premise for the introduction of the new system of management. (Cz) Statni Statky 8 (10):146-147. 1965. 19.5 St2
- 34280 DEAN, G. W., FINCH, A. J., and PETTIT, J. A. Economic strategies for foothill beef cattle ranchers. Calif. Agr. Exp. Sta. Bull. 824,48 p. Ref. June 1966. 100 C12S
Includes optimum plans.
- 34281 DORCICH, S. Technology must become tool of agriculture. Rural Realtor 19(1):1,11. Jan. 1967. 282.8 R88
For changes in land use.
- 34282 EDWARDS, G. E. Tradition and livestock raising. (Sp) Bolsa Com. Rosario. Rev. 54 (1316):3-4. Nov.30,1966. 287 R71
In management of forage.
- 34283 ENDRIZZI, L. An Israeli type of agricultural community: the kibbutz. (It) Terra Trentina 12(9):298-300. Sept.1966. 16 T277
- 34284 FELDMANN, F. The rural technical development of agricultural structure widens out. (Ge) Landarbeit 17(11):81-85. Nov.1966. 18 L2355
Farm management and economic aspects of mechanization.
- 34285 FITZHARRIS, M. J. Policies that have increased farm output in the north of Southland. New Zealand J. Agr. 113(6):20-23. Dec.1966. 23 N48J
Sheep farms.
- 34286 FLINT, G. W. Purlin that pebble? Don't do it if it's any part of the ancient ruins protected by the Antiquities Act. Our Public Lands 16 (3):10-11. Winter 1967. 156.55 Ou7
Preservation of antiquities on public lands.
- 34287 GAGNEFS BOSTALLE. Report, 1964/65. -- (Sw) Lantbrukstidskr. Dalarna 78(6):190-198. 1965. 11 L29
Experimental farm.
- 34288 GASSER, U. The livestock breeding contract in the service of separation of functions between mountain and valley farmers. (Ge) Grune 94(40):1441-1448. Oct.7,1966. 17 Sch9
Cattle bred in the valley, fed in the mountain, and sold back to the valley, in Switzerland.
- 34289 GASSON, R. Some economic characteristics of part-time farming in Britain. J. Agr. Econ. [Reading] 18(1):111-120. Jan.1967. 281.9 Ag8
- 34290 GILCH, A. New ways of farm manager education at Roththalmanster. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(12):235,238,247. Dec.1966. 18 N11
- 34291 GIORGI, E. Farm management. (It) Riv. Econ. Agr. 21(3):31-49. 1966. 281.9 R52
English summary.

- 31292 GLASEROVA, J. Development of agriculture in the district of Tachov from 1960 to 1964. (Cz) Statni Statky 8(1):164-165. 1965. 19.5 S2
Specialized farming of state farms.
- 31293 GLUE, D. I. Production increases rapidly in Northland. New Zeal. J. Agr. 113(4):15-17, 19. Oct. 1966. 23 N48J
- 31294 GOULD, L. Business aspects of farm management. Chartered Land Agents' Soc. J. 66(1): 18-22. Jan. 1967. 282.9 L22
- 31295 GRAY, M. W. Animal feedlot regulations for Kansas. Kans. Stockman 52(3):16-17. Jan. 1967. 49 K134
- 31296 HAHN, Complex use of technique as contribution to socialist management on the seed breeding state farm "August Bebel." Quedlinburg. (Ge) Feldwirtschaft 7(11):569-571. Nov. 1966. 18 W763
- 31297 HALAIN, C. P. Fight against hunger; large animals in former Belgian Africa. (Fr) Soc. Etudes Expansion. Rev. 221:391-408. Ref. May/June 1966. 280.8 So17
European and native cattle raising systems and amount of meat production.
- 31298 HAUSMANN, F. B. Part-time farming is no incidental thing. (Ge) Raiffeisen-Rundschau 18(9):364-365. Sept. 1966. 284.28 R132
In relation to cooperatives.
- 31299 HIGGS, J. Vertical integration in Western Europe. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(12):1-9. Dec. 1966. 251 F73Mb
- 31300 HILL, D. From Denmark: cooperative animal raising brings labor saving. (Ge) Mitt. Deut. Landwirt.-Ges. 81(48):1770-1771. Dec. 1, 1966. 18 N39
Cattle and swine.
- 31301 HIRONS, A. E., and QUICK, A. J. How many cows per cowman? Great Brit. Min. Agr. Fish. Food. Agr. 73(11):518-523. Nov. 1966. 10 G79J
Farm management.
- 31302 HOLMQVIST, E. Current problems in the rationalization of agriculture and forestry. (Sw) Stiftelse, Svenska Lantbruksveckan. Lantbruksveckan 1965:60-68. 11 Sw34
- 31303 IVANOV, D., and KHUBENOV, S. Effect of specialization and concentration of grape production on its economic effectiveness. (Bu) Vissch Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):489-496. 1965. 106.3 P72
German summary.
- 31304 JOHARI, M. P. Productivity methods in livestock enterprises. Gosamvardskha 14(6):6-10. Sept. 1966. 43.8 G69
Cattle farm management in India.
- 31305 JOHNSTON, A. Strengthening range management technical assistance: the advisor. J. Range Manage. 19(6):327-330. Nov. 1966. 60.18 J82
- 31306 KAMMINGA, J. Farm budgeting and farm comparison. (Du) Neth. Dir. Landbouw. Landbouwoorichting 23(12):337-338. Dec. 1966. 12 N383M
Linear and other types of programming.
- 31307 KENYA. MINISTRY OF ECONOMIC PLANNING AND DEVELOPMENT. FARM ECONOMICS SURVEY UNIT. Some economic aspects of agricultural development in Nyeri district 1963. Kenya. Farm Econ. Surv. Unit. Rep. 24. 86 p. Aug. 1966. 281.9 E2
Management aspects, including costs and returns.
- 31308 KHRENOV, S. I. Sovkhoznoye proizvodstvo i rentabel'nost' [Profit and production on the state farms]. Minsk, Urozhai, 1966. 92 p. S562.W5K45
- 31309 KLETENSKY, J., KUDLICKA, K., and VANA, V. Results of the checked operation of raising calves on big farms. (Cz) Statni Statky 8(8): 122-123. 1965. 19.5 S2
Specialized farming.
- 31310 KOBLISCHEK, S. Applied agricultural management in instruction of the agricultural school. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(12):232. Dec. 1966. 18 N11
- 34311 KUTIKOV, S., and YURCHENKO, YU. Increasing productivity of the livestock farming. (Rus) Ekon. Sel'skogo Khoz. 9:79-83. Sept. 1966. 281.8 So73
- 34312 KUTNAR, F. Farmers of progressive methods of farming from the period after the abolition of serfdom. (Cz) Soc. Hist. Zemedel. Sb. UVTI (Ustav Vedeckotech. Inform.) 2(1):39-52. Ref. June 1966. HT401.S25
English summary.
- 34313 KYOTO UNIVERSITY. FARM ACCOUNTING INSTITUTE. 1965 farm economy analysis report from the results of 53 self-accounting farm records in the Kinki district. Kyoto, 1966. 59 p., map. 281.9 K993
- 34314 KYOTO UNIVERSITY. FARM ACCOUNTING INSTITUTE. 1965 farm economy analysis report from the results of 103 simplified farm records—in the Kinki district. Kyoto, 1966. 29 p., map. 281.3919 K99
- 34315 LANPHER, B. F. Use of electronic data processing in farming. Computer Yearbook Dir. 1966:211-214. HF5548.C26
In farm management.
- 34316 LARSEN, P. H. The operation budget—economic tool of the farmer. (Da) Landbonyt 21(1): 21-24, 36. Jan. 1967. 11 L2322
- 34317 MAHAJAN, V. K. The College farm at its sixth. Dhulia, Coll. Agr. Mag. 5(1):7-8. Jan. 1966. 107.5 D533
- 34318 MARINOV, P., and ANDREEV, N. Some problems of intensification of collective farm production. (Bu) Ekonomicheskha Misl' 11(4):38-51. 1966. 280.8 Ik7
French summary, p. 133-134.
- 34319 MARKESON, C. B., and SAVAGE, J. K. Outdoor recreation; a new potential for cooperation. U. S. Farmer Coop. Serv. Educ. Circ. 28.9 p. Oct. 1966. A280.29 F22Fc
On farms.
- 34320 MEYER ZU ERBE, F. G. Anpassungsprobleme in einem Gebiet niedriger landwirtschaftlicher Einkommen. Dargestellt an dem Schicksal von 230 in den Jahren 1933 bis 1936 entschuldeten Betrieben im Kreise Osterholz [Problems of adjustment in a lower agricultural income district. Illustrated by the fate of 230 farms free of debt from 1933 to 1936 in Osterholz district]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 7. 157 p., map. Mar. 1, 1966. 105.8 B644
Bibliography, p. 150-156.
- 34321 MINOR, MRS. H. H. Land Office "reborn;" pride and cooperation preserve historical landmark in Ohio. Our Public Lands 16(3):18-19. Winter 1967. 156.55 Ou7
- 34322 MOSKALEV, V. Domestic services must be made available to the rural population. U. S. Joint Publ. Res. Serv. Transl. USSR. Consum. Goods Dom. Trade 164:1-5. Jan. 3, 1967. (JPRS 39,379; TT 67-30030) 173 J663Tro
Translation from Trud, Nov. 15, 1966:2. Issued by CFSTI.
- 34323 NILSSON, N. O. Combined land and forest planning on the farm. (Sw) Kalmars Lans Hushallningsallsk. Tidskr. 1:3-7. Feb. 1966. 11 K123
- 34324 NILSSON, N. O. Combined planning for farm and forest. (Sw) Kalmars Lans Hushallningsallsk. Tidskr. 6:16-21. Dec. 1965. 11 K123
- 34325 NOSEI CHOSA IIN-KAI. Taikei nogyo hyakka jiten. Nogyo keiei [Systematic agricultural encyclopedia. Farm management]. Vol. 5. edited by S. Tohata. Tokyo, 1965, pub. 1966. 806 p. S411.N6
- 34326 ORLANDO, F. Farm management in the hands of youths. (It) Esso Agr. 15(5):5. Oct. 1966. 58.8 Es7
- 34327 PADBERG, D. I. Efficiency and welfare considerations in integrated agriculture. J. Farm Econ. 48(5):1391-1400. Dec. 1966. 280.8 J822
Vertical integration.
Discussion by A. B. Paul, p. 1404-1407.
- 34328 PARKER, B. W. Does it pay to increase production? New Zeal. J. Agr. 113(1):68-69, 71. 73. July 1966. 23 N48J
Farm management.

- 34329 PEDRINI, E. Towards group agriculture; the constitution of the "Groupements Agricoles d'Exploitation en Commun" [Agricultural Groups of Management in Common] and their significance for French agriculture. (It) Riv. Polit. Agr. 13(3):31-40. Sept. 1966. 281.8 R523
- 34330 PERSSON, S. J. English milk production. (Sw) Skaraborgs Lans Hushallningssallsk. Tidn. 5:87-89. Oct. 1965. 11 SKI
Management of dairy farms.
- 34331 PEVETZ, W. Industrial finishing economy and farm animal raising. (Ge) Agr. Rundsch. 4/5: 101-108. Oct. 1966. 280.8 Ag82
Management.
- 34332 PLYUSHENKO, M. Economic principles of planning and specialization. (Rus) Ekon. Sel'skogo Khoz. 10:64-71. Oct. 1966. 281.8 So73
State and collective farms.
- 34333 QUINN, J. Coromandel farm venture is reply to challenge. New Zeal. J. Agr. 113(6):91,93, 95,97, map. Dec. 1966. 23 N46J
Demonstration farm.
- 34334 REED, F. D., and JEWETT, L. J. Economic characteristics of Maine's contract and independent table egg farms. Maine. Agr. Exp. Sta. Bull. 642, 16 p. Aug. 1966. 100 M28S
- 34335 RINTELEN, P. Site-oriented cattle raising. (Ge) Bayer. Landwirt. Jahrbuch 43(spec.no.1): 86-97. 1966. 18 L24
Farm management.
- 34336 ROE, O. Progress in sheep husbandry in Rendalen. (No) Sau Geit 18(5):132-135. Nov. 1965. 45.8 Sa8
Chiefly on cooperative use of mountain pastures.
- 34337 SCHMID, W. Baby pig production—an efficient branch of the farm. (Ge) Mitt. Deut. Landwirt.-Ges. 82(1):5-6,8. Jan. 5, 1967. 18 N39
Management and costs and returns.
- 34338 SCHNEIDER, M. Difficulties of the Austrian grape production. (Ge) Winzer (ser.8):22:162-165. Aug. 1966. 95.8 W73
Trends toward specialized production, acreage and legislative regulation of marketing.
- 34339 SCHNIEDERS, R. Adaptation of soil conditions to new methods of soil use. (Fr) Confed. Europe. Agr. Publ. CEA 33:136-150. Ref. 1966. 28 C763
Management.
- 34340 SCHULTZ, W. M. The organization of commercial cattle ranches in south central Oklahoma for profit and stability: static and dynamic analysis. Diss. Abstr., Sect. A, 27(1):13A-14A. July 1966. Z5055.U49D5
- 34341 SEWELL, T. G. Autumn saved pasture and its place in farm management. New Zeal. J. Agr. 113(6):76-77,79. Dec. 1966. 23 N48J
Sheep farms.
- 34342 SONDEREGGER, H. Labor and management considerations in swine feeding. (Ge) Schweiz. Milchzeitung 92(100):799. (Concl.) Dec. 16, 1966. 44.8 Sch92
Costs.
- 34343 SPERLING, G. Tasks of peasant trade cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 447:6-10. June 23, 1966. (JPRS 36,133; TT 66-32567) 173 J663Ste
In East Germany.
Translation from Agrar Oekonomik 4:184-193. Apr. 1966.
Issued by CFSTI.
- 34344 SVOBODA, F. On the problems of state farms of central Bohemia. (Cz) Statni Statky 9(3): 37-40. 1966. 19.5 S12
Productive capacity.
- 34345 TAMBAD, S. B., and BALIGA, B. V. S. Estimation of supply functions for transplanted paddy in Mandya District, Mysore State, Indian J. Agr. Econ. 21(3):56-65. July/Sept. 1966. 281.8 In2
In relation to price change.
- 34346 TOBEY, J. S. Analyze costs before expanding operations. Poultry Meat 4(2):A24,A26. Feb. 1967. 47.8 P8656
- 34347 TURTKARIN, B. Specialization of state farms in East-Kazakhstan Region. (Rus) Ekon. Sel'skogo Khoz. 11:74-81. Nov. 1966. 281.8 So73
- 34348 URRF, W. VON, BAADER, E., and SCHMIDT, W. Les conditions de productivité et la situation des revenus d'exploitations agricoles familiales dans les états membres de la C.E.E. [Conditions of productivity and income situation on family farms in the member states of the E.E.C.]. Europe Econ. Community. Inform. Internes Agr. 13,212 p. map. Aug. 1966. 281.9 Eu7I
- 34349 URRF, W. VON, BAADER, E., and SCHMIDT, W. Problèmes méthodologiques posés par l'établissement de comparaisons en matière de productivité et de revenus entre exploitations agricoles dans les pays membres de la C.E.E. [Methodological problems posed by the establishment of productivity and income comparisons between farms in the member countries of the E.E.C.]. Europe. Econ. Community. Inform. Internes Agr. 12,118 p. Aug. 1966. 281.9 Eu7I
- 34350 VEER, J. DE. Experiences in the use of econometric methods of agricultural advisory work in the Netherlands. (Ge) Agrarpolit. Rev. 22(7/8):277-293. Mar./Apr. 1966. 281.8 Ag824
Includes linear programming in farm management extension.
- 34351 VINOHRADSKY, K. Results of substantiation of the new method of planning agricultural production in the district of Znojmo. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 3:217-225. 1965. HD1940.C95A1
French and German summary.
Includes returns.
- 34352 WARD, R. E., and GAUNT, S. N. Farming—European style. Agway Coop. 3(1):28-29. Jan./Feb. 1967. 280.28 Ag9
- 34353 WARREN, R. G. Danish farms are progressive and prosperous. New Zeal. J. Agr. 112(6):57. (Cont.) June 1966. 23 N48J
- 34354 WARREN, R. G. Good results follow bold farmland policy in Holland. New Zeal. J. Agr. 113(1):48. (Concl.) July 1966. 23 N48J
- 34355 WILLIAMS, D. G. Ivory Coast working to diversify its agriculture. Foreign Agr. Incl. Foreign Crops Markets 5(3):8-9. Jan. 16, 1967. A261.9 F76Fo
- 34356 WITTKOPF, W. The farm manager and his circle—visier as entrepreneur. (Ge) Mitt. Deut. Landwirt.-Ges. 81(49):1785-1786, 1788. Dec. 8, 1966. 18 N39
- 34357 ZAPP, R. Developments in the use of econometric methods in farm management in Germany. (Ge) Agrarpolit. Rev. 22(7/8):294-315. Mar./Apr. 1966. 281.8 Ag824
- 34358 ZAPLETIN, V., and KISLITSYN, V. Land used on collective and state farms should be in order. (Rus) Ekon. Sel'skogo Khoz. 11:92-96. Nov. 1966. 281.8 So73
- 34359 ZELENIN, I. E. Zernovye sovkhosy SSSR, 1933-1941 gg. [Grain state farms in the USSR, 1933-1941]. Moskva, Nauka, 1966. 246 p. HD1493.U424

Bookkeeping and Records

- 34360 AMANN, C. M. EDP for farmers—we're doing it. Agr. Banking Financ. 9(1):34-36, 38. Jan./Feb. 1967. 284.8 B22
For farm business records.
- 34361 BOOS, F. Evaluation of household bookkeeping records in the course "Household Management." (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(9):177-178. Sept. 1966. 18 N11
- 34362 EINHAUS-MOSENFECHTEL, F. Übersicht gewinnen durch Aufzeichnungen in Betrieb und Haushalt [Obtain a survey through records on farm and in household]. Germany. Land-Hauswirtsch. Auswertungs-Informationsdienst [Veröffentlichungen] 242, 24 p. 1965. 18 G312V
Accounting.
- 34363 FORDERUNG, F. W. Parallel bookkeeping. (Ge) Mitt. Deut. Landwirt.-Ges. 81(46):1712-1713. Nov. 17, 1966. 18 N39

- GERMANY (DEMOCRATIC REPUBLIC). STAATLICHE ZENTRALVERWALTUNG FÜR STATISTIK. Situation and preparation for introduction and conducting of unified systems in building, postal and alarm services, transportation, in agriculture and in foreign trade. (Ge) Statist. Praxis 21(12):538-541. Dec.1966. 251.8 St25
Accounting and statistics.
- 34365 HUSAK, O. Problem of the calculation of the gross income of a collective farm and its distribution based on the accounting data. (Cz) Prague. Vyskoe Sk. Zemedel. Sb. 1966:57-71. 19.5 P883
German summary.
- 34366 KASTNER, W. The use of mathematical-statistical methods in the evaluation of accounting results. (Ge) Bayer. Landwirt. Jahrbuch 43 (5):516-584. 1966. 18 L24
Bibliography, p.573-577.
- 34367 SPRAVOCHNIK po tsenam i raschetam za sel'skokhozyaistvennyu produktivnyu [Prices and accounting in agricultural production; a handbook]. Minsk, Urozhai, 1966. 440 p. HD9015.W5865
- Costs and Returns
- 34368 ANDERSSON, K. O. 1964, a record year. (Sw) Lantmannen 77(2):17-19. Jan.22,1966. 11 L234
Farm costs and returns.
- 34369 ANDERSSON, K. O. To make money from swine husbandry is not possible without making an effort. (Sw) Lantmannen 77(2):20-21. Jan.22,1966. 11 L234
- 34370 ANDRE, P. D. Ranchers feel pinch: sell calves below cost. Beef 3(3):2-3. Nov.1966. 50.8 B39
Cattle costs and returns.
- 34371 AUSDERAU, E. Economic deliberations on forage production. (Ge) Grune 94(40):1434-1437. Oct.7,1966. 17 Sch9
Costs and nutritive value in Switzerland.
- 34372 BHAI, M. U. Animal husbandry as a better form of agriculture. Gosamvardhana 14(6):29-31. Sept.1966. 43.8 G69
As a source of income in India.
- 34373 DATTA, R. C. Management practices for organized dairy herds—commercial and economic aspect. Indian Dairyman 18(10):337-339. 342-346. Oct.1966. 44.8 In282
Chiefly costs and returns.
- 34374 DELO, H. What does poultry meat really cost? Economics of poultry meat how they relate to further processing. Poultry Egg Further Process. Conf. [Proc.] 1965:8-11. 280.3479 N47
- 34375 DESSUREAUX, L. Challenge to forage crops research in Quebec. Forage Notes [Ottawa] 11 (1):7-8. Spring 1965. 60.8 F742
Chiefly on costs and returns.
- 34376 DOLGE, K. L. Veal calves can be profitable. Agway Coop. 3(1):12-14. Jan./Feb.1967. 280.28 Ag9
Care, feeding, and marketing; includes costs and returns.
- 34377 FAESSLER, P. Economic aspects of dairy cattle raising on the farm. (Ge) Agrarpolit. Rev. 23(1/2):11-19. Sept./Oct.1966. 281.8 Ag824
Switzerland.
- 34378 GROOT, J. J. DE. Preparation and packing of consumer milk on the farm? (Du) Landbouwkundig Tijdschr. 78(11):389-391. Nov.1966. 105.2 Or3
Costs and returns.
- 34379 GRUEVA, E. A. Profitability of peach production in collective farms and possibilities of its increase. (Bu) Visshe Selskotoptanski Inst. "Visil Kolarov." Nauch. Tr. 14(1):505-512. 1965. 106.3 P72
German summary.
- 34380 GRUNBERG, R., and BUCSENEANU, I. Results of the profitability of utilization of horses in some collective farms for production in lowlands and mountain areas. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23: 335-361. Ref. 1966. 49.9 R86L
English summary.
- 34381 HADLEY, N. S. Possible economic impacts of high lysine corn on American agriculture. High Lysine Corn Conf. Proc. 1966:161-165. QK866.M3H5
Chiefly returns when grown for food and feed.
- 34382 HARDMAN, D. J. Beef production on Australian dairy farms. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(4):177-185. Ref. Oct.1966. 281.9 Au73
Costs and returns.
- 34383 HOLMSTROM, S. Agriculture in the sixties: Efficiency decides income trends in agriculture. (Sw) Jord Skog 17(10):24-25, map. 1965. 58.8 M373
Returns and prices.
- 34384 IVANOV, D., and KHUBENOV, S. Basic economic problems of rice production in Bulgaria. (Bu) Ikonomicheskia Mis'l 11(2):75-86. 1966. 280.8 Ik7
- 34385 JOHANSSON, R. What does it cost to produce potatoes? (Sw) Sodermanlands Lans Hushallingsallsk. Arsbok 1965:43-45. 11 So1A
- 34386 KLENC, J. Problems of the state farms in western Bohemia. (Cz) Statni Statky 8(11): 162-163. 1965. 19.5 St2
Chiefly costs.
- 34387 KROTIL, V. Costs and their relations in the improved system of management of state farms. (Cz) Statni Statky 9(6):86-88. 1966. 19.5 St2
- 34389 KROTIL, V. Observations and proposals regarding high costs of production on state farms. (Cz) Statni Statky 8(11):166-168. 1965. 19.5 St2
- 34389 KVAAL, C. Operation results and production trends. (No) Norsk Landbruk 25/26:12-14. Dec.16,1966. 11 N8122
Farming costs and returns.
- 34390 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-DUCHFUHRUNGS-GESELLSCHAFT. LANDESSTELLE TIROL. Betriebswirtschaftliche Ergebnisse von 198 Landwirtschaftlichen Betrieben in Tirol [Economic results of 198 agricultural holdings in Tirol], 1965. Innsbruck, 1966. HD1490.T9L3
- 34391 LARSEN, J. B. Cows—milk—returns. (Da) Landbonyt 21(1):14-16. Jan.1967. 11 L2322
- 34392 LIEHR, R. Raw material costs on the basis of the E.C. standard price. (Ge) Molk.-Kaserei-Zeitung 18(2):35-38. Jan.11,1967. 44.8 M736
- 34393 MELEN, A. Profitability of beef production. (Sw) Tidsskr. Lantman Andersfolk 4:100-104. Feb.28,1966. 20 T43
Finland.
- 34394 NATIONAL FARMERS UNION OF ENGLAND AND WALES. NFU Horticultural Accounts Scheme—results for the years 1962 and 1963 and for the years 1963 and 1964. Nat. Farmers Union. Inform. Serv. 21(3):81-118. 1965. 281.9 N213N
Costs and returns.
- 34395 NODLAND, T. R., and HARTOG, E. 1965 report of the farm management service for vocational agriculture in West Central Minnesota. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 284,24 p. Apr.1966. 281.9 M66
Institute of Agriculture, University of Minnesota and Vocational Division, Minnesota Department of Education, cooperating.
- 34396 PANITSIDIS, G. Income and profitability of specialized swine raising collective farms of Tolbukhin Region. (Bu) Ikonomicheskia Mis'l 11(3):76-86. 1966. 280.8 Ik7
- 34397 PUNJAB, INDIA. BOARD OF ECONOMIC INQUIRY. Farm accounts in the Punjab 1964-65; being the thirty-ninth year of issue summarising the accounts of 59 holdings of various types. Punjab (India). Board Econ. Inq. Publ. 112, 140 p. 1966. 281.9 Ea72
- 34399 RESEARCH on production conditions and costs of sugarcane production. (Por) Rev. Brasil. Econ. 19(4):24-54. Dec.1965. 280.8 R3225
English summary.

- 34399 SAO PAULO, DEPT. DA PRODUCAO VEGETAL, SECCAO DE ANALISE DE CUSTOS E RENDAS AGRICOLAS. Agricultural costs in Sao Paulo, 1964/65 and 1965/66 crops. (Por) Agr. Sao Paulo 13(5/6):25-44. May/June 1966. 9.2 Ag823
- 34400 SERENI, S. Considerations on the cost of production of rabbit meat. (It) G. Pollicoltori 15 (12):54-56. Dec.1965. 47.8 G43
- 34401 SIN, V. Main causes of high costs of production of one litter of milk. (Cz) Statni Statky 8(11):172-173. 1965. 19.5 S2
- 34402 SINGH, B. Cost of cultivation in relation to the size of holding. Indian J. Agr. Econ. 21(3):71-74. July/Aug.1966. 281.8 In2
- 34403 SPOSETTI, E. M. VON Z. DI. Results of economic control in the raising of laying hens in Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 43 (4):464-474. 1966. 18 L24
Accounting and costs.
- 34404 SWITZERLAND, BAUERNEKRETIARIAT. Ergebnisse von Buchhaltungserhebungen in Landwirtschaftsbetrieben, Rechnungsjahr 1964 [Results of accounting on farms, fiscal year 1964]. I-II. Landwirt. Jahrbuch Schweiz 80(2), 228 p., map. 1966. 17 L23
Text also in French.
- 34405 TRAYER, R. S. It's not the color of the cow that counts—it's the man-agement. Hoard's Dairyman 112(2):98-99. Jan.25, 1967. 44.8 H65
Costs and returns.
- 34406 VAGO, J. Some economic problems in slaughter poultry production and consumption. (Hu) Baromfitevesztes 10(11):12-13. Nov.1966. 47.8 B262
Costs and returns, chiefly.
- 34407 VALDINOCI, M. Cost of milk in the north and in the south. (It) Esso Agr. 15(6):14-15. Dec. 1966. 58.8 Es7
- 34408 VIDULESCU, D. The economic effectiveness of the production of grapes in vineyards of intensive production. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stint. 7:1023-1036. 1963/64, pub. 1966. 86 R862
French summary.
- 34409 WILSON, D. B. Forage crops research. Forage Notes [Ottawa] 11(1):2-7. Spring 1965. 60.8 F742
Chiefly on production costs and yields.
- 34410 WOOD, R. O. Milk production in the East Midlands, 1962—63 and 1963—64: costs and returns for "Channel Islands" milk production and for ordinary milk production from Friesian and Ayrshire herds. Nottingham. Univ. Dep. Agr. Econ. F. R. 158, 17 p. Jan.1965. 281.9 N842F
- 34411 YAGGIE, R. A., and LOFTSGARD, L. D. Sugar beet production costs and practices in the Red River Valley. N. Dak. Agr. Exp. Sta. Bull. 466, 32 p., map. Oct. 1966. 100 N813
- 34412 ZERBI, A. Costs in the poultry enterprise and the tax. (It) G. Pollicoltori 15(10):48-55. Oct. 1965. 47.8 G43
- Land Settlement and Colonization
- 34413 EHLERS, E. Comparative observations of the physiognomy of the agricultural fringe in northern Finland and northwestern Canada. (Ft) Terra [Helsinki] 78(1):11-20, map. Ref. 1966. 20 T272
English summary.
Agricultural colonization.
- 34414 ESPARZA CARTIER, A. Integral planning of peasant settlements. (Sp) BAP (Banco Agr. Pecuario) Rev. Mens. 1(5):12-13. Apr./May 1965. 284.29 B2242
Venezuela.
- 34415 FONSEKA, H. N. C. Parakrama Samudra colony, an example of peasant colonization in the dry zone of Ceylon. J. Trop. Geogr. 22:10-22, map. June 1966. 331.8 M29
- 34416 GILLHOFF, K. F. Considerations and problems to planned network of settlement. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):635-638. 1966. 509 B453
- 34417 JAGER, K. H. Improvement of hygiene of settlements and dwellings and the creation of social establishments in the rural area. (Ge) Berlin. Humboldt-Univ. Wiss. Z. Math. Naturwiss. Reihe 15(4):643-644. 1966. 509 B453
- 34418 SCABELLO, L. Evolutionary times and phases of the cultivated property and the operational function of the "Fund for the Formation of the Peasant Property" [Cassa per la Formazione della Proprieta Contadina]. (It) Agr. Venezia 20(10):463-484. Oct. 1966. 16 Ag826
- 34419 SCHWEIZERISCHE VEREINIGUNG FÜR INNEN-KOLONISATION UND INDUSTRIELLE LANDWIRTSCHAFT. Activities. (Ge) Grune 94(33): 1171-1210, map. Aug. 19, 1966. 17 Sch9
Summaries of papers at the conference held October 8, 1966.
- Land Tenure
- 34420 AGARWAL, S. K. Economics of consolidation of holdings in Uttar Pradesh—a case study of Lunknow district. Indian J. Agr. Econ. 21(3): 75-79. July/Sept. 1966. 281.8 In2
- 34421 ARDE, T. Better revenues with reorganized land. (It) Esso Agr. 15(6):16-17. Dec. 1966. 58.8 Es7
Comparison of European Economic Community countries.
- 34422 ARMATI, G. Occupation "without title" of private real estate by public administration and jurisdictional protection of the owner. (It) Giurisprudenza Agr. Ital. 13(4):199-205. Ref. Agr. 1966. 16 G44
- 34423 BOTTOMLEY, A. Competitive rent determination in underdeveloped rural areas. Indian J. Agr. Econ. 21(3):33-40. Ref. July/Sept. 1966. 281.8 In2
- 34424 CORAZZIARI, G. "Differential wage" in agriculture. (It) Riv. Econ. Agr. 21(2):67-72. 1966. 281.8 R52
Payment under French inheritance law of a lump sum to a son who has worked on farm, as recompense for his free labor.
- 34425 DREES, F. J. M. Nomination of (suostitute) members in the Rent Chamber. (Du) Pacht 26(2):40-45. Feb. 1966. 282.8 P11
- 34426 ETIENNE, G. Peasants' progress. Far East Econ. Rev. 55(4):129-132. Jan. 26, 1967. 280.8 F223
Land tenure situation in underdeveloped Asian countries.
- 34427 FLORES, E. The agrarian reform: myths and realities. (Por) Arco-Iris 15(105):7-8, 12, 16-17. Nov. 1966. 280.28 Ar2
Latin America.
- 34428 HANEGRAAFF, C. F. Some striking points from the historical perspective of economics, land and lease. II. (Du) Pacht 26(11):322-331. Nov. 1966. 282.8 P11
On land tenure and leases.
- 34429 HANEGRAAFF, C. F. Some striking points from the historical perspective of economics, land, and lease. III. (Du) Pacht 26(12):354-368. Dec. 1966. 282.8 P11
- 34430 INSTITUTO AGRARIO NACIONAL. La reforma agraria y el bienestar rural; sintesis informativa en sus 6 anos [The agrarian reform and rural welfare; informative summary for its 6 years]. Caracas, Editorial Arte, 1966. 28 p. HD576.I5
- 34431 JONG, S. H. DE. Remarks on the system of Prof. de Haan. (Du) Pacht 26(9):258-259. Sept. 1966. 282.8 P11
Rent and land price control.
- 34432 KARVE, D. G. Land reform and agrarian development (in developing countries). Indian J. Agr. Econ. 21(3):1-13. July/Sept. 1966. 281.8 In2
Farm management and land use included.

- 34433 KEARL, W. G. Fees and charges as tools of public policy; a discussion. *J. Range Manage.* 19(5):245-247. Sept. 1966. 60.18 J82
Of the address by C. J. Zwick.
- 34434 LUCAS, P. H. C. Rights and obligations of crown leases not always understood. *New Zeal. J. Agr.* 112(6):20-21, 23. (Concl.) June 1966. 23 N48J
- 34435 MATURANA, S. Land tenure. In Vries, E. De, and Gonzales Casanova, P., ed. *Social research and rural life in Central America, Mexico and the Caribbean region*, p. 73-94. Ref. 1966. HN122.5.V7
Central America.
- 34436 MEIBEYER, W. The district of the Agricultural Research Institute [Forschungsanstalt für Landwirtschaft] in the 18th century and middle ages. (Ge) *Landbauforsch. Völknerode* 15(2):153-157, map. Dec. 1965. 18 L2353
Land tenure and use.
- 34437 MUKHOTI, B. Agrarian structure in relation to farm investment decisions and agricultural productivity in a low income country—The Indian case. *J. Farm Econ.* 48(5):1210-1215. Dec. 1966. 280.8 J822
- 34438 MURRAY, R. A., and REINSEL, R. D. The transfer of farm and open country real estate in six Maryland counties, 1962. *Md. Agr. Exp. Sta. Misc. Publ.* 557, 64 p., map. Ref. p. 61-64. June 1965. 100 M36M
- 34439 NEWELL, R. S. Congress agrarian reform policy: a case study of land redistribution in northern India. *Diss. Abstr.*, Sect. A, 27(5): 1163A. Nov. 1966. Z5055.U49D5
- 34440 O'GRADY, D. What price land reform? Freedom Hunger Nov./Dec. 1966:24-28. 389.8 F872
In various countries.
- 34441 POLAK, J. M. Differential wage and agrarian inheritance law in the Second Chamber. (Du) *Pacht* 25(11):254-259. Nov. 1965. 282.8 P11
- 34442 POT, C. W. F. Must the nomination procedure for Lease Chamber members be changed? (Du) *Pacht* 26(4):98-100. Apr. 1966. 282.8 P11
- 34443 PUTZOLU, A. On the concept of owner-operator and the owner-cultivated enterprise. (It) *Giurisprudenza Agr. Ital.* 13(10):521-524. Oct. 1966. 16 G44
- 34444 SELLERI, C. The owner-operated property; present situation and future prospects. (It) *Riv. Polit. Agr.* 13(3):19-30. Sept. 1966. 281.8 R523
- 34445 SMEDS, H. Regional variations in size classes of agricultural holdings in Finland. (Fi) *Terra [Helsinki]* 78(2):98-102, map. Ref. 1966. 20 T272
English summary.
- 34446 SOPHIAN, T. J. Fair rents under the 1965 Rent Act. *Chartered Land Agents' Soc. J.* 65 (12):507-510. Dec. 1966. 282.9 L22
Includes land rents, in Great Britain.
- 34447 TRIBULATO, S. Constitutional aspects of regulation relative to agricultural contracts. (It) *Giurisprudenza Agr. Ital.* 13(5):263-268. May 1966. 16 G44
Share farming in Sicily.
- 34448 VOGEL SANGER, J. New regulations of the Book of Civil Law on the right of inheritors to a share of profits. (Ge) *Grüne* 94(49):1779-1784. Dec. 9, 1966. 17 Sch9
Switzerland.
- Land Utilization
- 34449 BRADFORD, F. Land for people; a report on public land classification 2 years after Congress authorized it. *Our Public Lands* 16(3): 20-21. Winter 1967. 156.55 O47
For multiple use.
- 34450 COLIN, F. Victory on the desert; culture on the surface of the desert in Egypt. (Fr) *Agriculture [Paris]* 29(292):269-272, map. Sept. 1966. 14 A6823
- 34451 CUTLER, R. O. Amelia Island, Florida: a geographic study of recreation development. *Diss. Abstr.*, Sect. B, 27(1):206B. July 1966. Z5055.U49D53
Land use.
- 34452 DAVEY, W. B. Soil Conservation Service. *Conf. Recreation Sanit. Safety. Proc.*, 1st Conf.:37-44. 1966. RA422.5.C6
Encourages landowners to consider recreation as an alternative land use.
- 34453 DRESKELL, W. W. Bureau of Outdoor Recreation, P.L. 85-29; and Land and Water Conservation Fund Act of 1965, P.L. 88-578. *Water Conf. New Mex. A M Coll. [Proc.]*, 10th Annu. Conf.:116-128. 1965. 292.9 W297
- 34454 GERMANY (FEDERAL REPUBLIC). STA-TISTISCHES BUNDESAMT. Bodennutzung und Ernte. I. Bodennutzung [Land use and harvest. I. Land use], 1965. Stuttgart, 1966. 25 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 1) 265 G318Bo
- 34455 GRI, R. Changes in land-use pattern in India. *Indian J. Agr. Econ.* 21(3):23-32. July/Sept. 1966. 281.8 In2
- 34456 HARTMANN, E. Village renewal. (Ge) *Agr. Rundsch.* 4/5:77-78, 80-82. Oct. 1966. 280.8 Ag82
Land-use planning and development in Austria.
- 34457 HAZEL, P. V. Conservation. *Chartered Land Agents' Soc. J.* 66(1):14-17. Jan. 1967. 282.9 L22
In relation to land use.
- 34458 HENDRIKX, J. A. "Spoordonk" land consolidation area. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(12):421-431. Dec. 1966. 12 N282
- 34459 JOST, P. Regional planning on the Saar upper Mosel; land planning problems in the industrialization of an agricultural area. (Ge) *Bad Godesberg. Inst. Raumforsch. Inform.* 16(23): 703-720, map. Dec. 15, 1966. 280.9 B6431
- 34460 KASZONI, Z. Alternately exploiting the pond; pisciculture—agriculture. (Rum) *Indus. Aliment.* 17(7):359, 366. July 1966. 389.8 In26
English summary, p. 2 following p. 384.
Land utilization.
- 34461 KEMPES, A. J. Building land exploitation. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(12):440-450. Dec. 1966. 12 N282
In relation to the Land Planning Law.
- 34462 KNUDSON, D. M. Land use potential in Minas Gerais, Brazil. (Por) *Rev. Ceres* 13(73):91-103. Ref. May/July 1966. 9.2 C332
English summary.
- 34463 KOLCAVA, S. A contribution to the study of the theory of distribution of agricultural production of living American economists. (Rus) *Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon.* 2:91-101. 1966. HD1940.C95A1
English summary.
- 34464 LILLANDT, S. Forestry and land disposal. (Sw) *Tidskr. Lantman Andersfolk* 1:8-9. Jan. 15, 1966. 20 T43
Land use policy in Finland.
- 34465 MARKO, A., and KUCIK, J. Geographic distribution of agricultural production with the automatic calculating machines. (Cz) *Statni Statky* 9(6):92-94. 1966. 19.5 S2
- 34466 MARR, P. D. Interstate route 5—alignment and land use zoning. *Calif. Univ. Water Resources Center, Rep.* 9:121-124. July 1966. 292.9 C1282
West Side Freeway in the San Joaquin Valley.
- 34467 MCKEE, V. C. Optimal land and water resource development: a linear programming application. *Diss. Abstr.*, Sect. A, 27(1):13A. July 1966. Z5055.U49D5
- 34468 MOSER, A. Agriculture and forestry and land-use planning. (Ge) *Agr. Rundsch.* 4/5:82-84. Oct. 1966. 280.8 Ag82
Austria.
- 34469 MYLES, G. A. Water based recreation in Nevada: Tahoe. *New. Agr. Exp. Sta. B* 10, 22 p., map. Nov. 1966. 100 N41B
- 34470 PETERSON, G. D. Restricted land use. *Calif. Univ. Water Resources Center, Rep.* 9:127-128. July 1966. 292.9 C1282
In the San Joaquin Valley.
- 34471 PETROV, E., and GERGOV, G. Some economic problems of territorial planning of agricultural regions in Bulgaria. (Bu) *Ikonomicheska Misl* 11(6):23-35. 1966. 280.8 K7
French summary, p. 129.

- 34472 RANDHAWA, N. S., and HEADY, E. O. Spatial programming of production for agricultural development in India. *Indian J. Agr. Econ.* 21 (3):14-22. July/Sept.1966. 281.8 In2
Optimum land use plans.
- 34473 RANEY, F. C. Study outline: West Side of San Joaquin Valley. Calif. Univ. Water Resources Center. Rep. 9:129-132. July 1966. 292.9 C1282
Effect of irrigation on land use.
- 34474 ROSENBAUM, H., and others. Agrarstrukturelle grossraumige Vorplanung für den Nahbereich Buchenbeuren/Sohren, Krs. Zell [Preliminary planning for the Buchenbeuren/Sohren, Zell district, neighboring sphere]. *Agrarsoz. Ges. Materialsamm.* 58(1-3), 3 v. Nov.1966. 281.9 Ag862M
E. Rieken, J. Schuppeli, and H. J. Berlin, joint authors.
- 34475 SCHWEIGHART, O. On the structure of a permanent pasture in Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 43(2):236-243. Ref. 1966. 18 L24
Land use.
- 34476 SCOFIELD, W. H. Tales from the computer. *Rural Reator* 19(1):7. Jan.1967. 282.8 R88
Land use by non-operators.
- 34477 SNYDER, J. H. The nature of the problem. Calif. Univ. Water Resources Center. Rep. 9: 133-136. July 1966. 292.9 C1282
Agricultural use of land in relation to the new West Side Freeway and the California Aqueduct.
- 34478 SNYDER, J. H. A program for agricultural land use in urbanizing areas. *J. Farm Econ.* 48(5):1306-1316. Ref. Dec.1966. 280.8 J822
Includes discussion by G. F. Vaughn.
- 34479 WACHTMEISTER, H., GREVE. Our nature—how to preserve it. (Sw) *Stiftelse, Svenska Lantbruksveckan. Lantbruksveckan* 1965:16-33. 11 Sw34
In relation to agriculture and recreational use.
- 34480 WANTRUP, S. V. Discussion concerning development of the West Side of the San Joaquin Valley. Calif. Univ. Water Resources Center. Rep. 9:137. July 1966. 292.9 C1282
Possibilities of nuclear projects, including saline water conversion.

Land Values and Valuation

- 34481 FERRIERE, G. Estimations rurales; foncieres, forestieres et agricoles [Rural appraisals; land, forest, and agricultural]. Paris, Eyrolles, 1966. 243 p. Ref. (Bibliothèque de l'Institut de Topometrie) HD648.F4
- 34482 GUSHCHYAN, G. Comparative evaluation of land. (Rus) *Ekon. Sel'skogo Khoz.* 11:97-103. Nov.1966. 281.8 So73
- 34483 HAMMOND, N. H. Town planning restrictions and their effect on land value. *Valuer* 19(5): 435-436. Jan.1967. 282.8 V24
New South Wales.
- 34484 HANSON, B. C. Work, ingenuity—watchwords for 1967 success. *Rural Reator* 19(1):4-5. Jan.1967. 282.8 R88
Real estate outlook.
- 34485 JONG, S. H. DE. Selling price of unoccupied land in Belgium. (Du) *Pacht* 26(2):37-39. Feb.1966. 282.8 P11
- 34486 JUNDT, D. W. Land units in demand throughout Mid-Central area. *Rural Reator* 19(1):6-7. Jan.1967. 282.8 R88
- 34487 MCCONNAUGHY, E. J. Industrial expansion, grain prices push values up. *Rural Reator* 19 (1):4. Jan.1967. 282.8 R88
Land values.
- 34488 QUEENSLAND real estate market for the year ending 30th June, 1965. *Valuer* 19(5):424-430. Jan.1967. 282.8 V24
Rural lands included.
- 34489 RAYNOR, W. L. AFB [Accredited Farm Broker] designation used in advertising can spell added profits. *Rural Reator* 19(1):9-10. Jan. 1967. 282.8 R88
- 34490 RAYNOR, W. L. Strong market predicted in Northeast. *Rural Reator* 19(1):3. Jan.1967. 282.8 R88
- 34491 ROACH, J. P. Project AFB [Accredited Farm Broker]—1967. *Rural Reator* 19(1):8. Jan. 1967. 282.8 R88
- 34492 SMITH, R. S., and STANTON, B. F. Can you sell a big farm? *Hoard's Dairyman* 112(2):65. Jan.25,1967. 44.8 H65
- 34493 WALDROP, J. E. Effects of upstream watershed development upon prices and values of affected farmland in selected areas of Oklahoma. *Diss. Abstr.*, Sect. A, 27(1):15A. July 1966. Z5055.U49D5

POPULATION

- 34494 DANNEMANN, R. N. Problems of human resources in Brazil. *Int. Labour Rev.* 94(6):570-589. Dec.1966. 283.8 In8
Includes rural population and the problem of agriculture.
- 34495 HUSSAIN, A. R. The problem of tribal settlement in Iraq, with special reference to the nomads of the Western Region. *Diss. Abstr.*, Sect. B, 27(5):1507B. Nov.1966. Z5055.U49D53
- 34496 HWANG, H., and HOYT, J. S. Tables of annual average rates of growth and decline. *Minn. Univ. Ext. Spec. Rep.* 23,13 p. Sept.1966. 275.29 M66Sb
Population.
- 34497 MOULTON, B. Changing patterns of population. In Lindsey, A. A., ed. *Natural features of Indiana, a symposium*, p.532-546, map. Ref. 1966. QH105.16L5
Includes urban-rural pattern.
- 34498 VENEZUELA. OFICINA CENTRAL DEL CENSO. Noveno censo general de poblacion (26 de febrero de 1961). I. Estado Falcon [Ninth general population census (February 26, 1961). I. State of Falcon]. Caracas, 1966. 840 p., map. 255.9 Es8Cp
Statistics for rural population included.
- 34499 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Ukupno i poljoprivredno stanovništvo prema popisu 1961 [Total and agricultural population at the 1961 census]. Yugoslavia. Savezni Zavod Statist. Statist. Bilten 398,75 p. Apr. 1966. 266.9 Sa9S
Contents, preface, and table headings in French.

RURAL SOCIAL ORGANIZATION

- 34500 BERTRAND, A. L. The emerging rural South: a region under "confrontation" by mass society. *Rural Sociol.* 31(4):449-457. Ref. Dec.1966. 281.28 R88
- 34501 BOURDIEU, P. Farmers and photography. (It) *Riv. Econ. Agr.* 21(3):50-58. 1966. 281.8 R52
English summary.
Sociological study.
- 34502 CLERCK, M. DE. Social research and education for rural development in a traditional environment. In Vries, E. De, and Gonzales Casanova, P., ed. *Social research and rural life in Central America, Mexico and the Caribbean region*, p.205-217. 1966. HN122.5.V7
With examples from El Salvador, Liberia, and Vietnam.
- 34503 JURIK, V. On some problems in the development of cultural-social activity in villages of today. (Cz) *Soc. Hist. Zemedel. Sb. UVII (Ustav Vedeckotech. Inform.)* 2(1):1-18. Ref. June 1966. HT401.525
English summary.
- 34504 KRENEK, F. The collective farm as a social group. (Cz) *Soc. Hist. Zemedel. Sb. UVII (Ustav Vedeckotech. Inform.)* 2(1):53-62. Ref. June 1966. HT401.525
English summary.

- 34505 KRENEK, F. Collective farm as a social group; some problems. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon. 2:175-184. Ref. 1966. HD1940.C95A1 French and German summaries.
- 34506 KUNKEL, E. J. The structure of the family in peasant society: a comparative analysis. Diss. Abstr., Sect. B, 27(1):26B. July 1966. Z5055.U49D53
- 34507 LA FUENTE, J. DE. Participation of the population. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.131-139. 1966. HN122.5.V7 Cooperative work on public projects by the Mexican Indians.
- 34508 LARSON, F. D. Cultural conflicts with the cattle business in Zambia, Africa. J. Range Manage. 19(6):367-370. Nov.1966. 60.18 J82
- 34509 LOOMIS, C. P. The influence of traditional customs on productivity. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.111-119. 1966. HN122.5.V7 Latin America.
- 34510 PHILLIPS, H. M. Research and the social sciences. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.179-204. 1966. HN122.5.V7
- 34511 SZWENGRUB, L. M. Sociological research on cooperative farms in Poland. (It) Riv. Econ. Agr. 21(2):59-66. 1966. 281.8 R52
- 34512 UNITED NATIONS, EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION, SECRETARIAT. Social science research and teaching of relevance to rural life in the region. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.231-242. 1966. HN122.5.V7
- 34513 VRIES, E. DE, and GONZALES CASANOVA, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region; proceedings of a seminar organized by Unesco in co-operation with the United Nations Economic Commission for Latin America, Mexico City 17-27 October 1962. Paris, 1966. 257 p. Ref. (Unesco. Technology and Society Series) HN122.5.V7
Foreword by J. D. N. Versluys, report on the seminar by E. de Vries.
- Human Ecology
- 34514 AARTOLAHTI, T. The Koijarvi-Urjala drumlin field. (Fi) Terra [Helsinki] 78(2):42-50, map. Ref. 1966. 20 T272
English summary.
Settlement pattern and land use included.
- 34515 ALBERT, W. Federal development locations. (Ge) Bad Godesberg, Inst. Raumforsch. Inform. 16(18):547-561, map. Sept.30, 1966. 280.9 B6431 Regional planning.
- 34516 BOHLER, E. The myth of region and Swiss freedom. (Ge) Agrarpolit. Rev. 22(12):473-481. Aug.1966. 281.8 Ag824
- 34517 CIRILLO, M. Lack of community. Town Country Church 191:4-10, 15. Nov./Dec. 1966. 281.28 T66
Appalachian Mountains.
- 34518 DITTRICH, E. Regional planning policy in a period of structural change. (Ge) Bad Godesberg, Inst. Raumforsch. Inform. 16(19):579-599. Oct.14, 1966. 280.9 B6431
- 34519 DITTRICH, E. Regional planning, regional planning policy, and social policy. (Ge) Bad Godesberg, Inst. Raumforsch. Inform. 16(14):417-446. July 29, 1966. 280.9 B6431
- 34520 GOLDNER, W. Issues connected with the development of the West Side of the San Joaquin area. Calif. Univ. Water Resources Center. Rep. 9:107-110. July 1966. 292.9 C1282
Regional development.
- 34521 GOLOMB, B. Comments on the West Side study. Calif. Univ. Water Resources Center. Rep. 9:111. July 1966. 292.9 C1282
Regional plan for the San Joaquin Valley.
- 34522 HARRIS, R. W. Comments and questions for consideration. Calif. Univ. Water Resources Center. Rep. 9:112-113. July 1966. 292.9 C1282
On regional planning for the San Joaquin Valley.
- 34523 HENRICHSMEYER, W. The use of modern methods of regional research in the field of agriculture. (Ge) Diplomlandwirt 15(4):85-86. Apr.1965. 18 D62
- 34524 HIRSCH, W. Z., ed. Regional accounts for policy decisions. Baltimore, Johns Hopkins Press, 1966. 230 p. Ref. HJ9777.A1H5
Papers presented at the Conference on Regional Accounts, 1964.
Includes Criteria for the Evaluation of Regional Development Programs, by G. H. Borts, p.183-225 (with comments by J. W. Milliman).
- 34525 HUSAIN, M. A. A scheme of all-in project of village improvement. Agr. Pakistan 16(2):249-251. June 1965. 22 Ag832
India.
- 34526 ISENBERG, G. Measures and problems of diagnosis in regional planning. (Ge) Bad Godesberg, Inst. Raumforsch. Inform. 17(1):1-18. Jan.16, 1967. 280.9 B6431
- 34527 JACOBS, B. E. Comments on the West Side of the San Joaquin Valley. Calif. Univ. Water Resources Center. Rep. 9:115-116. July 1966. 292.9 C1282
Regional plan.
- 34528 LA FUENTE, J. DE. Development of Indian communities in Mexico. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.167-177. 1966. HN122.5.V7
- 34529 MACKAY, R. E. O. Space in the country, 1966-2000. Chartered Land Agents' Soc. J. 65(11):435-442. Nov.1966. 282.9 L22
Village changes in Great Britain.
- 34530 MISSOURI BASIN INTER AGENCY COMMITTEE. Annual programming report, fiscal years 1966-1968. Lincoln, Nebraska, 1966. 75 p., map. 173 M69A
Includes activities of the U. S. Department of Agriculture.
- 34531 NORTHWEST NORTH CAROLINA DEVELOPMENT ASSOCIATION. 1966 annual report. Winston-Salem, 1966. 63 p. 280.9 N818
Agriculture included.
- 34532 OGLESBY, R. E. Comments concerning the development of the West Side of the San Joaquin Valley. Calif. Univ. Water Resources Center. Rep. 9:125-126. July 1966. 292.9 C1282
- 34533 PACIFIC SOUTHWEST INTER-AGENCY COMMITTEE. Directory 1966-67. n.p., 1966. 44 p., map. 225 P112
Includes agencies of the U. S. Department of Agriculture.
- 34534 PASCOE S., J. Community development trends in the region. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.151-165. 1966. HN122.5.V7
- 34535 SOET, F. DE. Marginal notes on the second note on regional planning in the Netherlands. (Du) Landbouwkundig Tijdschr. 78(12):407-412. Dec.1966. 105.2 Or3
- Institutions
- 34536 BALDACCI, E. Renewed Faculty of Agriculture for a new agriculture. (It) Bull. Agr. [Milano] 100(7):1-2. Apr.15, 1966. 16 B87
- 34537 BAUER, D. Ideas on extension for part-time farmers. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(10):199-200. Oct.1966. 18 N11

- 34539 BENETTINI, M. P. The agricultural traveling professors' trip. (It) Agr. Spezia 14(11):195-198. Nov. 1966. 16 Ag8229
- 34539 BENFENATI, G. Professional education in agriculture and the European Common Market. (It) Accad. Naz. Agr. Ann. 77(2):58-60. 1966. 16 B632A
- 34540 BIGNAMI, G. R. A practical experience: The Center of Agricultural and Social Planning of Our Lady of Graces of Rossana [Centro di Orientamento Agricolo-Sociale di Madonna delle Grazie di Rossana]. (It) Cronache Econ. 287/288:94-98. Nov./Dec. 1966. 280.8 C882
- 34541 BLEISCH, R. Work projects in the agricultural vocational school. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(10):197-199. Oct. 1966. 18 N11
- 34542 BROWN, H. D. An investigation of attitudes and opinions held by teachers of vocational agriculture and their administrators regarding selected areas of the vocational agriculture program. Diss. Abstr., Sect. A, 27(1):63A-64A. July 1966. Z5055.U49D5
- 34543 CHRISTIANSEN, J. E. The adoption of educational innovations among teachers of vocational agriculture. Diss. Abstr., Sect. A, 27(1):136A. July 1966. Z5055.U49D5
- 34544 DEECKE, U. Independent advisory service. (Ge) Mitt. Deut. Landwirt.-Ges. 81(49):1788, 1790, 1792. Dec. 8, 1966. 18 N39
- 34545 DESHPANDE, U. G. The College extension block. Dhulia. Coll. Agr. Mag. 5(1):9-13. Jan. 1966. 107.5 D533
- 34546 DOTY, C. N., and HUGGINS, J. M. A guide for family day-care mothers. Ariz. Univ. Ext. Circ. 294, 24 p. Ref. Aug. 1966. 275.29 Ar42
- 34547 DOTY, C. N. Helping children develop responsibility. Ariz. Univ. Ext. Circ. 292, 11 p. July 1966. 275.29 Ar42
- 34548 DOTY, C. N. Inexpensive play ideas for children (one to eight years). Ariz. Univ. Ext. Circ. 293, 16 p. Aug. 1966. 275.29 Ar42
- 34549 EMMONS, T. L. The Russian landed gentry and the peasant emancipation of 1861. Diss. Abstr., Sect. A, 27(5):1317A. Nov. 1966. Z5055.U49D5
- 34550 ERNST, O. Method and aim of state economic advisory work. (Ge) Mitt. Deut. Landwirt.-Ges. 81(49):1783-1785. Dec. 8, 1966. 18 N39
- 34551 GEBBERS, K. H. Force of extension work in agriculture and rural home economics. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(12):236-237. Dec. 1966. 18 N11
- 34552 GOLDEN, J. F. Aspirations and capabilities of rural youth in selected areas of Kansas in relation to present and projected labor market requirements. Diss. Abstr., Sect. A, 27(5):1199A. Nov. 1966. Z5055.U49D5
With regard to education.
- 34553 GROEPPER, E. Rural home economics extension on new paths. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(11):223-224. Nov. 1966. 18 N11
- 34554 HAENEN, J. A. H. Extension on consolidation of holdings districts. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(12):331-333. Dec. 1966. 12 N383M
- 34555 HASSINGER, E. W. What's happening to rural doctors and health facilities. Mo. Agr. Exp. Sta. Bull. 781, 8 p., map. Ref. June 1965. 100 M693
- 34556 HEMPEL, K. Research on rural youth. (Ge) Berlin. Humboldt-Universität. Wiss. Z. Math. Naturwiss. Reihe 15(4):627-629. 1966. 509 B453
Includes various aspects.
- 34557 HORINE, E. F. The application of social science concepts to the solution of health problems in rural areas. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p. 243-251. 1966. HN122.5.V7
- 34559 HUDDLE, W. Programmed instruction. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(10):187-189. Oct. 1966. 18 N11
- 34559 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Informe tecnico 1966, periodo julio 1 de 1965-junio 30 de 1966 [Technical report 1966, period July 1, 1965-June 30, 1966]. San Jose, 1966. 362 p. 28 In83
Education and research.
- 34560 KANTNER, E. F. Adapting the FFA to a changing program of vocational agriculture. Diss. Abstr., Sect. B, 27(1):4B. July 1966. Z5055.U49D53
- 34561 KELLER, W. Experiences with mountain farming extension. (Ge) Grune 94(41):1475-1482. Oct. 14, 1966. 17 Sch9
Switzerland.
- 34562 KLOPP, H. What does the farmer expect of extension? (Ge) Mitt. Deut. Landwirt.-Ges. 81(49):1781-1782, 1796. Dec. 8, 1966. 18 N39
- 34563 KORKHOUSE, K. Vocational Industrial Clubs of America. Amer. Coop. 1966:534. 280.29 Am3A
- 34564 KREDIET, P. Higher agricultural schools. (Du) Misset's "Zuivel" 73(2):29-30. Jan. 10, 1967. 44.8 N282
- 34565 KRUGER, W. A year of called advisory work. (Ge) Betriebswirtschaft. Mitt. Wirtschaftsberater 143:15-20. Sept. 15, 1966. 281.8 B462
Use made of an advisory service ring and payments made.
- 34566 KUNDIGER, K. Good advisory work—valuable and expensive! (Ge) Mitt. Deut. Landwirt.-Ges. 81(49):1792, 1794, 1796. Dec. 8, 1966. 18 N39
- 34567 KYSYNKIN, G., BOBOVSKII, and N. GAIVORONSKI. Managing agricultural dispatching center. (Rus) Tekh. Sel'skom Khoz. 12:4-6. Dec. 1966. 58.8 M11
- 34568 LAIS, R. Balance of a DLG fair. (Ge) Mitt. Deut. Landwirt.-Ges. 82(1):3-5. Jan. 5, 1967. 18 N39
- 34569 LANDWIRTSCHAFTSKAMMER SCHLESWIG-HOLSTEIN. Jahresbericht [Annual report], 1965/1966. Kiel, 1966. 172 p., map. 18 Sch33
- 34570 LINDH, N. Agricultural education for agriculture of tomorrow. (Sw) Gavleborgs Länshushållningssällsk. Lantbrukstidskr. 42(3):1-4. 1966. 11 G24L
- 34571 LIPPMANN, K. A backward look over 20 years: Agricultural Vocational School and Agricultural School [Landwirtschaftliche Berufsschule und Landwirtschaftsschule] in Osterode am Harz. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(12):241-242. Dec. 1966. 18 N11
- 34572 LOM, F. The development of agricultural schools in the capitalist era up to 1914. (Cz) Soc. Hist. Zemedel. Sb. UVITI (Ustav Vedeckotechn. Inform.) 2(1):19-38. Ref. June 1966. HT401.S25
English summary.
- 34573 MATTHEW, J. C. Town and country goals in transition. Town Country Church 191:14. Nov./Dec. 1966. 281.28 T66
Church activities.
- 34574 MCDINTOSH, R. W. Employee motivation and work incentives in the service industries. Mich. State Univ. Ext. Ext. Bull. 483, 6 p. July 1966. 275.29 M5B8
Recreation industries.
- 34575 MCCLAUCHLAN, G. Drive under way toward production boom. New Zealand J. Agr. 112(6):9-11, map. June 1966. 23 N48J
Advisory committees.
- 34576 MCCLAUCHLAN, G. Hawkes Bay [Agricultural Advisory] Committee provides vigorous example. New Zealand J. Agr. 112(6):11, 13, map. June 1966. 23 N48J
- 34577 MCCLAUCHLAN, G. Upsurge of achievement and planning as Lincoln College approaches its 100th year. New Zealand J. Agr. 113(1):9-11, 13, 15. (Cont.) July 1966. 23 N48J
- 34578 MCQUEEN, H. Estate planning. Cattleman 53(8):35. Jan. 1967. 49 C29

- 34579 METZLER, G. F. Agricultural and Extension Service, Conf. Recreation Sanit. Safety. Proc., 1st Conf., 34-36, 1966. RA422.5.C6
Arkansas Extension Service assisting in developing recreational opportunities in rural areas.
- 34580 MEYER, J. Training for survival. Freedom Hunger Nov./Dec. 1966:12-15. 389.8 F872
Farmer training in Tanzania.
- 34581 MISIUNA, W. The planning functions of the gromada peoples councils and the agricultural circles. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 445: 86-95. June 20, 1966. (JPRS 36,072; TT 66-32506) 173 J6633S
In Poland.
Translation from Nowe Rolnictwo 15(8):10-12. Apr. 1966.
Issued by CFSTI.
- 34582 MOORE, E. After the funeral—handling the personal estate. S. Dak. State Univ. Ext. FS 320.4 p. Oct. 1966. 275.29 So85Fs
- 34583 MORALES BENTEZ, O. Agricultural extension and social development. (Sp) Soc. Antioquena Agr. Bol. Agr. 554:10427-10437. Aug. 1966. 9.4 Sol
Latin America.
- 34584 MUELLER, E. W., and EKOLA, G. C., ed. Mission in the American outdoors: concerns of the church in leisure-recreation. Saint Louis, Concordia Publishing House, 1966. 165 p. BV4467.M8
Bibliography, p.155-165.
Report of a seminar sponsored by the Division of American Missions of the National Lutheran Council; chapters by W. Duddleson, J. F. Kaylor, A. L. Edwards, G. S. James, L. E. Partain, E. J. Nesius, E. J. Niederfrank, K. F. Munson, R. R. Caemmerer, H. J. Belgium, W. W. Ost, B. B. Maurer, R. J. Schmidt, H. M. Adix, G. C. Stone, and E. W. Mueller.
- 34585 MULDER, M. The bringing of extension. (Du) Neth. Dir. Landbouw. Landbouwverlichting 23(12):334-336. Dec. 1966. 12 N383M
- 34586 NEWSOME, R. W. A descriptive study of the origin, development and recent major trends of the Kansas Co-operative Agricultural Extension Service. Diss. Abstr., Sect. B, 27(11): 4B-5B. July 1966. Z5055.U49D53
- 34587 NORDENS BONDEORGANISATIONER CENTRALRAD. Seminar on educational questions. Nord. Lantbruksekon. Tidskr. 16(4):129-154. 1966. 281.8 N75
Papers in Norwegian, Danish and Swedish.
Papers on education of farm organization personnel, by J. A. Vikan, M. Munch, G. Engstrom, F. Dahl, and U. Larsson.
Cooperatives.
- OWENS, G. P. Factors affecting demand for outdoor recreation. Diss. Abstr., Sect. A, 27(1):7A. July 1966. Z5055.U49D5
- 34589 PAUL, T. M. Extension ideals. Indian Dairyman 18(9):311-312. Sept. 1966. 44.8 I282
- 34590 RICHARDSON, B. M. Political attitudes and voting behavior in contemporary Japan: rural and urban differences. Diss. Abstr., Sect. A, 27(5):1416A. Nov. 1966. Z5055.U49D5
- 34591 RIDENOUR, H. E. Guidelines for organizing and operating a state vocational agriculture curriculum materials service. Diss. Abstr., Sect. B, 27(1):5B-6B. July 1966. Z5055.U49D53
- 34592 SCHEUNEMANN, G. The position of the extension worker in village renewal. (Ge) Ausbild. Beratung Land-Hauswirtsch. 19(9):168-172, map. Sept. 1966. 18 N11
- 34593 SCHWEITZER, R. VON. Extension and adult education in agriculture. (Ge) Ausbild. Beratung Land-Hauswirtsch. 19(11):210-211. Nov. 1966. 18 N11
- 34594 SCIUCHETTI, A. The "Plantahof" agricultural school. (Ge) Grune 94(41):1482-1485. Oct. 14, 1966. 17 Sch9
Switzerland.
- 34595 SENTI, A. "Green" public relations. (Ge) Agrarpolit. Rev. 23(1/2):75-81. Sept./Oct. 1966. 281.8 Ag824
- 34596 SIMS, L. A. An interpretative analysis of non-farm occupations requiring agricultural competency. Diss. Abstr., Sect. A, 27(5):1209A. Nov. 1966. Z5055.U49D5
Occupations requiring less than a bachelor's degree.
- 34597 SMITH, C. R. Progress report on the study of student success in the College of Agriculture. Md. Agr. Exp. Sta. Misc. Publ. 539, 68 p., map. Sept. 1965. 100 M36M
- 34599 SMITH, M. G. The communication of new techniques and ideas: some cultural and psychological factors. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.121-130. 1966. HN122.5.V7
Central America and the Caribbean.
- 34599 STOCKL, K. Common policy for professional education in the E.E.C. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(12):233-235. Dec. 1966. 18 N11
- 34600 STOCKL, K. Great education readiness in spite of difficult labor situation. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(10):193-196. Oct. 1966. 18 N11
Includes a table of statistics of agricultural schools.
- 34601 SULLIVAN, D. D., and CARDOZIER, V. R. Integrating reading instruction into vocational agriculture classes. Md. Agr. Exp. Sta. Misc. Publ. 586, 18 p. Ref. Sept. 1966. 100 M36M
- 34602 THURGAU (CANTON), SWITZERLAND, KOMMISSION FÜR LANDWIRTSCHAFTLICHE BERUFSBILDUNG. From pupil to teacher: report, by A. Schönenberger. (Ge) Grune 94(40):1463-1468. Oct. 7, 1966. 17 Sch9
- 34603 TOMANEK, G. W. How the society can help individual advisors and country workers. J. Range Manage. 19(6):333-335. Nov. 1966. 60.18 J82
American Society of Range Management.
- 34604 UNITED NATIONS, EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION, REGIONAL CENTRE OF FUNDAMENTAL EDUCATION FOR LATIN AMERICA. Literacy and adult education. In Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.219-229. 1966. HN122.5.V7
- 34605 U. S. FEDERAL EXTENSION SERV. Drown-proofing can save your life. U. S. D. A. Pam. 777, 4 p. Dec. 1966. 1 Ag84Pro
- 34606 WEHLAND, W. Die Einstellung von Grossadtlern zur Landwirtschaft und die Problematik landwirtschaftlicher Public Relations an den allgemeingebildenden Schulen dargestellt am Beispiel einer norddeutschen Grossstadt [The attitude of large city students toward agriculture and the problems of agricultural public relations at the general education schools illustrated by a North German large city]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 1, 206 p. 1966. 105.8 B644
Bibliography, 198-206.
- 34607 WEPFER, K. DLG traveling fair in Frankfurt. (Ge) Grune 94(43):1561-1572. Oct. 28, 1966. 17 Sch9
- 34609 ZELLER, F. Modern requirements of agricultural professional training and adult education. (Ge) Bayer. Landwirt. Jahrbuch 43(5):629-636. 1966. 18 L24
- 34609 ZICHE, J. Balance of the six semester study of agriculture in Weihenstephan. (Ge) Diplomandwirt 16(11):270, 272. Nov. 1966. 18 D62
- 34610 ZIELINSKI, J. Future prospects of vocational training in the industrial culture. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(11):211-212, 217-218, 223. Nov. 1966. 18 N11

Leadership

- 34611 ALEXANDER, F. D. Study of first-year 4-H club leaders in New York State: tenure, characteristics of leaders and evaluation of job performance by 4-H agents. Cornell Univ. Ext. Stud. 12, 176 p. Mar. 1966. 275.29 N48Ex

Rural Organizations and Movements

- 34612 BLACK, B. Future Homemakers of America. Amer. Coop. 1966:522. 280.29 Am3A
- 34613 CONFEDERATION EUROPEENNE DE L'AGRICULTURE. SECRÉTARIA GENERAL. Report on the activity of the CEA in 1965/1966; report on the finances of the CEA in 1966 and budget for the year 1967. (Fr) Confed. Europe. Agr. Publ. CEA 33:35-80. 1966. 28 C763
- 34614 HUNDLEY, J. R. A test of theories in collective behavior: the National Farmers Organization. Diss. Abstr., Sect. A, 27(1):259A. July 1966. Z5055,U49D5
- 34615 HUTTON, J. Boy Scouts of America. Amer. Coop. 1966:515-516. 280.29 Am3A
- 34616 KANSAS STATE GRANGE. Roster, 1967. n.p., 1937. 77 p. 4 K131
- 34617 KISS, S. The revolution of the Hungarian peasantry. Int. Peasant Union. Bull., July/Dec. 1966:3-11. 280.9 In822
- 34618 LEESE, J. Five years' endeavour, Farmers' J. (n.s.)5(5):42. Dec.1965. 10 F2234
Survey of the first five years' of the British Farm Produce Council.
- 34619 LEFEBVRE, J. Junior Farmers Union of Alberta. Amer. Coop. 1966:525-526. 280.29 Am3A
- 34620 LOCKHART, J. Professional agricultural organization safeguards a family farm. (Fr) Mouton 21(11):97-98. Nov.1966. 45.8 M86
In France.
- 34621 MASSACHUSETTS STATE GRANGE. Official directory, 1967. Oxford, 1967. 93 p. 4 M385D
- 34622 MUCHOW, J. 4-H fits the future. Amer. Coop. 1966:518-519. 280.29 Am3A
- 34623 NEWTON, J., and SOSA DE NEWTON, L. Historia de la Sociedad Rural Argentina en el centenario de su fundación [History of the Argentine Rural Society in the centenary of its founding]. Buenos Aires, Editorial y Librería Goncourt, 1966. 381 p. S15.A1S6
- 34624 NICOLAS, P. The organization of Swiss agriculture. (It) Riv. Econ. Agr. 21(3):96-107. 1966. 281.8 R52
- 34625 NYGREN, S. The National Grange. Amer. Coop. 1966:529. 280.29 Am3A
- 34626 OJERT, R. On the 150th anniversary of Södermanland Province Agricultural Society. (Sw) Södermanlands Lans Hushallningssallsk. Årsbok 1965:24-30. 11 S01A
- 34627 PARKER, S. The National Farmers Union. Amer. Coop. 1966:527-528. 280.29 Am3A
- 34628 SANDMEYER, C. Rural Youth of the U. S. A. conference. Amer. Coop. 1966:532-533. 280.29 Am3A
- 34629 SHOEMAKER, J. Girl Scouts of the U. S. A. Amer. Coop. 1966:523-524. 280.29 Am3A
- 34630 SIVAPPA, D. The Mysore State Planters' Association. Planters' Chron. 61(22):474-478. Nov.15, 1966. 22 P693
- 34631 STITZLEIN, J. Future Farmers of America. Amer. Coop. 1966:520-521. 280.29 Am3A
- 34635 ARGENTINA. DIRECCION NACIONAL DE CO-OPERATIVAS. Sintesis estadística de las sociedades cooperativas, ano 1965 [Summarized statistics of cooperative societies, 1965]. Buenos Aires, 1966. 28 p. HD3470.A1A7
Agricultural cooperatives included.
- 34636 AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. Farmer cooperatives; responsibilities of members, directors, managers. Auburn Univ. Ext. Circ. S-8,6 p.-folder. Apr.1966. 275.29 AL14Cs
- 34637 BETTS, M. E. Communications—information—public relations: introductory statement. Amer. Coop. 1966:211-212. 280.29 Am3A
- 34638 BINKLEY, W. C. Design for progress. Amer. Coop. 1966:491-502. 280.29 Am3A
Youth in cooperation.
- 34639 BOSWELL, D. T. Can audit reports be reduced in size and increased in value. Amer. Coop. 1966:163-175. 280.29 Am3A
- 34640 BOWDEN, O. H. Major problems facing cooperatives in the future in the area of new services. Amer. Coop. 1966:580-584. 280.29 Am3A
- 34641 BROWN, G. N. Cooperative accounts: introductory statement. Amer. Coop. 1966:161-162. 280.29 Am3A
- 34642 CARLSON, L. W. Modern farmers and their interest in cooperatives. Amer. Coop. 1966:60-61. 280.29 Am3A
- 34643 CARTER, A. American cooperation. Amer. Coop. 1966:514. 280.29 Am3A
- 34644 CHAVES ESQUIVEL, O. The role of agricultural co-operatives and university extension in the development of the rural community. In: Vries, E. De, and Gonzales Casanova, P., ed. Social research and rural life in Central America, Mexico and the Caribbean region, p.141-149. 1966. HN122.5.V7
Costa Rica.
- 34645 CHERRY, M., and MCDOWELL, J. P. Cross-roads of the American Enterprise System. Amer. Coop. 1966:546-549. 280.29 Am3A
North Carolina 4-H cooperative demonstration.
- 34646 ELLIS, M. L. What can cooperatives do to help? Amer. Coop. 1966:455-457. 280.29 Am3A
In teaching cooperation in vocational education.
- 34647 FEDERATED CO-OPERATIVES LIMITED. 1966 annual report. Calgary, 1967. 66 p. 280.9 F843
- 34648 FEILER, E. Contradictory tendencies in the development of the co-operative movement in Israel. 7(4):54-66. July/Aug.1966. 283.8 L224
Includes kibbutzim.
- 34649 FLEDDERJOHN, H. C. Exporting the cooperative idea. Amer. Coop. 1966:30-37. 280.29 Am3A
- 34650 FRANKLIN, C. L. Our design for progress. Amer. Coop. 1966:363-368. 280.29 Am3A
Pacific Supply Cooperative.
- 34651 GADGIL, D. R. Review of the co-operative system. Maharashtra Co-op. Quart. 49/50 (4/1):19-25. Sept.23,1966. 280.28 B63
- 34652 GORDOA, J. R. DE. Long term financing of agricultural cooperatives in relation to modern development of the commercial sector (vertical and horizontal integration). (Fr) Confed. Europe. Agr. Publ. CEA 33:183-200. 1966. 28 C763
- 34653 HAMIL, H. Cooperatives a go-go. Amer. Coop. 1966:483-490. 280.29 Am3A
Youth activities.
- 34654 HELMBERGER, P. Future roles for agricultural cooperatives. J. Farm Econ. 48(5):1427-1435. Ref. Dec.1966. 280.8 J822
- 34655 HILLEMANN, D. Communication obstacles in public relations. Amer. Coop. 1966:229-233. 280.29 Am3A

Cooperative Organizations

- 34632 ABRAHAMSEN, M. A. New problems for research on cooperatives. Amer. Coop. 1966:395-404. 280.29 Am3A
- 34633 ABRAHAMSEN, M. A. Working together to meet the challenge of the 1970's. Amer. Coop. 1966:66-72. 280.29 Am3A
- 34634 AMERICAN INSTITUTE OF COOPERATION. American cooperation 1966: a collection of papers and discussions summarizing the thirty-eighth session at Colorado State University, Fort Collins, Colorado, July 31—August 3, 1966. Washington, D. C., 1966. 609 p. 280.29 Am3A

- 34656 HULBERT, L. S. Status of cooperatives misunderstood: introductory statement. Amer. Coop. 1966:179-180. 280.29 Am3A
- 34657 JAGGI, E. Self-help through cooperation. (Ge) Agrarpolit. Rev. 23(1/2):20-26. Sept./Oct.1966. 281.8 Ag824 Switzerland.
- 34659 KENYA FARMERS' ASSOCIATION (CO-OPERATIVE) LIMITED. Directors' report and statement of accounts, 1965-1966. Nakuru, 1966. 22 p. 280.29 K42 Text also in Swahili.
- 34659 LANDWIRTSCHAFTLICHER Genossenschaftskalender der Zentralschweiz, 43. Jahrgang 1966 [Agricultural cooperative almanac of Central Switzerland, 43d year, 1966]. n.p., 1965. 86 p. 17 L236
- 34660 LARSON, A. L. Experiences of international cooperative education and training programs. Amer. Coop. 1966:408-415. 280.29 Am3A
- 34661 LEQUERTIER, J. The present state of international cooperative collaboration. (Fr) Agrarpolit. Rev. 23(3):111-115. Nov.1966. 281.8 Ag824
- 34662 MALINSKI, J. F. What is and can be offered at the post-high school level. Amer. Coop. 1966:450-454. 280.29 Am3A Cooperative education.
- 34663 MILLER, J. D. Vocational and technical education for employment in cooperatives: what is needed. Amer. Coop. 1966:440-444. 280.29 Am3A
- 34664 MONTGOMERY, G. Role of land-grant universities in International Cooperative Education and training programs. Amer. Coop. 1966:416-418. 280.29 Am3A
- 34665 MULLER, G. Inter-firm cooperation in agriculture. (Ge) Raiffeisen-Rundschau 19(1):22-25. Jan.1967. 284.28 R132
- 34666 NEELY, D. M. Current legal developments affecting farmer cooperatives. Amer. Coop. 1966:181-189. 280.29 Am3A
- 34667 NIX, J. F. Tennessee Farmers [Cooperative] design for progress. Amer. Coop. 1966:376-382. 280.29 Am3A Farm supplies.
- 34668 NIX, J. F. Tomorrow is yours. Amer. Coop. 1966:150-157. 280.29 Am3A Youth attitudes and opportunities in cooperation.
- 34669 NOEL, E. D. Modern farmers and their interest in cooperatives. Amer. Coop. 1966:48-51. 280.29 Am3A
- 34670 OEHEN, F. Agricultural cooperatives and their changed environment. (Ge) Agrarpolit. Rev. 22(12):487-495. Aug.1966. 281.8 Ag824 Switzerland.
- 34671 PALERMO, A. The agricultural cooperative enterprise. (It) Giurisprudenza Agr. Ital. 13 (7/8):391-407. (Cont.) Ref. July/Aug.1966. 16 G44
- 34672 PALERMO, A. The agricultural cooperative enterprise. (It) Giurisprudenza Agr. Ital. 13 (9):455-472. (Cont.) Ref. Sept.1966. 16 G44
- 34673 PROBASCO, K. N. What does management expect from the public relations department? Amer. Coop. 1966:213-221. 280.29 Am3A
- 34674 RATCHFORD, C. B. Farmers and cooperatives in the space age. Amer. Coop. 1966:4-11. 280.29 Am3A Policy.
- 34675 RUST, I. W. Effective information devices for cooperatives. U. S. Farmer Coop. Serv. Educ. Circ. 29,14 p. Oct.1966. A280.29 F22Fc
- 34676 SCHRIVER, H. The farmer wears many hats—Fort Collins edition! Amer. Coop. 1966:503-511. 280.29 Am3A On farmer cooperatives.
- 34677 SIMS, M. E. Conglomerate integration—a tool for cooperatives. Amer. Coop. 1966:571-577. 280.29 Am3A Combining of dissimilar or unrelated activities into one organization as distinguished from from vertical and horizontal integration.
- 34679 SIMS, M. E. Modern farmers and their interest in cooperatives. Amer. Coop. 1966:45-47. 280.29 Am3A
- 34679 SMITH, D. Progress by design—in purchasing, processing, marketing and a completely integrated program. Amer. Coop. 1966:99-101. 280.29 Am3A Western Farmers Association, consumer and marketing cooperative.
- 34680 STEICHEN, T. H. Project Grow—progress by design. Amer. Coop. 1966:383-387. 280.29 Am3A Farmers Union Central Exchange.
- 34681 STERN, J. K. What the A.I.C. is doing—1965-1966 annual report. Amer. Coop. 1966:12-20. 280.29 Am3A
- 34682 STILL, N. A. What the public relations department needs from management. Amer. Coop. 1966:222-228. 280.29 Am3A
- 34683 STITZLEIN, J. FFA national award winners in cooperation: report of what the four national winners did. Amer. Coop. 1966:538-545. 280.29 Am3A Chapter awards.
- 34684 TOWNSEND, D. Teaching the cooperative idea in Collier County [Florida]. Amer. Coop. 1966:555-559. 280.29 Am3A
- 34685 VALKO, L. Trends and new challenges for cooperatives at home and abroad: introductory statement. Amer. Coop. 1966:391-394. 280.29 Am3A
- 34686 WALL, J. Vocational and technical education for employment in cooperatives: introductory statement. Amer. Coop. 1966:439. 280.29 Am3A
- 34687 WILLS, W. J. Cooperative research needs in the decade ahead. Amer. Coop. 1966:405-407. 280.29 Am3A
- 34689 YOUNG, J. L. Modern farmers and their interest in cooperatives. Amer. Coop. 1966:57-59. 280.29 Am3A

RURAL SOCIAL PSYCHOLOGY

- AMADEI, G. The city man and the problems of agriculture. (It) Riv. Polit. Agr. 13(3):7-17. Sept.1966. 281.8 R523 With reference to The City Man's Guide to the Farm Problem, by W. W. Cochrane.
- 34690 CHURCH, J. C. A short-term longitudinal study of factors related to IQ change in white southern rural adolescents. Diss. Abstr., Sect. B, 27(1):299B. July 1966. Z5055,U49D53
- 34691 DORN, B. The nature and personality of the professional pupil. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(9):167-168. Sept.1966. 18 N11 Testing.
- 34692 FOWLER, L. Design for decision. Amer. Coop. 1966:127-130. 280.29 Am3A By youth.
- 34693 FRASIER, R. C. You and tension. PNW (Pacific Northwest Coop. Ext.) Bull. 85,12 p. Nov.1966. 275.29 W27Pn Joint publication of the Extension Services of Washington, Oregon, and Idaho.
- 34694 GOLZ, A. The problem of generations—with reference to women living together on the farm. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(12):239-240. Dec.1965. 18 N11
- 34695 HOBBLE, D. Children's bickering. Kans. State Univ. Agr. Ext. L-197,6 p.-folder. July 1966. 275.29 K13Le
- 34696 HOBBLE, D. To spank or not to spank. Kans. State Univ. Agr. Ext. L-195,6 p.-folder. July 1966. 275.29 K13Le
- 34697 KUNOWSKI, VON. Importance and functions of agrarian philosophy. (Ge) Landarbeit 17(10):74-76. Oct.1966. 18 L2355
- 34699 KUNOWSKI, VON. Importance and functions of an agrarian philosophy. (Ge) Landarbeit 17(9):65-68. (Cont.) Sept.1966. 18 L2355

- 34699 LUDWIG, E. G. The process of disillusionment: the effects of aging upon the values of central Indiana farmers. Diss. Abstr., Sect. A, 27(1):261A. July 1966. Z5055.U49D5
- 34700 LUTZ, A. E. Change agents as predictors of the rate of farm practice adoption. Diss. Abstr., Sect. A, 27(5):1162A-1163A. Nov. 1966. Z5055.U49D5
- 34701 PATEK, Z. Problem of the concept and evolution of the conflict between the town and the village. (Cz) Prague. Vyskoe Sk. Zemedel. Sb. 1966:7-21. 19.5 P883
German summary.
- 34702 STITZLEIN, J. I believe in the future. Amer. Coop. 1966:122-126. 280.29 Am3A
Youth and its outlook.
- 34703 THORAT, S. S. Certain social factors associated with the adoption of recommended agricultural practices by rural local leaders and ordinary farmers in India. Diss. Abstr., Sect. A, 27(5):1459A-1460A. Nov. 1966. Z5055.U49D5
- TRADE, FOREIGN AND INTERNATIONAL**
- 34704 THE AFRICAN and Malagasy market, 6th edition, 1966. (Fr) Marches, Trop. Mediter. 23 (1105):75-308. Jan. 14, 1967. 286.8 M33
Includes trade in agricultural products.
- 34705 ARGENTINA, DIRECCION NACIONAL DE ESTADISTICA Y CENSOS. Intercambio comercial argentino con los paises de la A.L.A.L.C. [Argentine trade exchange with the countries of the Latin American Free Trade Association]. Argent. Dir. Nac. Estad. Censos. Z. L. C. 16, 75 p., map. 1965. 255.1 Es8231
- 34706 BAER, H. Export successes by Swiss tanneries. Tanner 21(7):213,215,217. Dec. 1966. 303.8 T15
Hides and leather.
- 34707 BRITISH HONDURAS. CUSTOMS AND HARBOUR DEPT. Trade report for the year 1965. Belize City, 1966. various paging. 286.9 B7732
- 34708 COMPLETE summary of U.S. poultry meat export situation, background and prospects. Poultry Meat 3(9):48-51,54. Sept. 1966. 47.8 P8656
- 34709 DEMAIRE, P. Belgian imports steady and high. Tea Coffee Trade J. 131(6):34-35. Dec. 1966. 68.8 T22
Coffee.
- 34710 DEVANY, P. M. Glamour treatment aids exports of Michigan navy beans. Foreign Agr. Incl. Foreign Crops Markets 5(3):10-11,15. Jan. 16, 1967. A281.9 F76Fo
- 34711 DICANDER, G. Swedish imports static for past three years. Tea Coffee Trade J. 131(6):30-31. Dec. 1966. 68.8 T22
Coffee.
- 34712 DULEY, H. Trade of Poland. (Fr) Indus. Aliment. Agr. 83(11):1507-1508. Nov. 1966. 383 As7
Includes agricultural products.
- 34713 ECONOMIST INTELLIGENCE UNIT LTD. The UK market for certain US agricultural products; supplementary report. I. London, 1966. 20 p. HD9011.4.E32
- 34714 GOLDSBOROUGH, G. H. Export marketing—matching funds. Nat. Ass. Marketing Office. Dir. Rep., 47th Annu. Conv.:19-25. 1966. 280.39 N213P
- 34715 GOMEZ GORDOA, J. The exportation of Mexican cotton. (Sp) Confed. Cam. Nac. Com. Carta Semanal 31(1504):5,13. Nov. 5, 1966. 286.8 C76
- 34716 GROSSERER-SOCIETETETS KOMITE. Verdensmarkedet og Danmark [The world market and Denmark], 1966. Kobenhavn, 1966. 235 p. 257.1 C792Ac2
- 34717 HEIBER, J. The path to the Economic Community is difficult. (Ge) Molk.-Zeitung Welt Milch 21(1):3-4. Jan. 6, 1967. 44.8 M735
European Economic Community.
- 34718 HERVEY, J. L. The effects of United States cotton export policies on the prices and quantities of raw cotton exported by five major competitors—1950–1962. Diss. Abstr., Sect. A, 27(5):1159A-1160A. Nov. 1966. Z5055.U49D5
- 34719 HERZ, H. Danish milk exports to Sweden. (Ge) Molk.-Kaserei-Zeitung 17(44):1808. Nov. 2, 1966. 44.8 M736
- 34720 HIRSCH, H. G. Review of 1966 price developments in the foreign agricultural trade of the United States. Foreign Agr. Trade U. S., Feb. 1967:32-37. A286.9 Ag8
Statistics.
- 34721 HOCHERL, H. German agricultural exports—important part of foreign trade. (Ge) Obst Gemuse 30(12):11. Dec. 1966. 286.83 Ob72
- 34722 HUTCHINSON, T. Q. Ocean freight rates for export grain. Foreign Agr. Trade U. S., Feb. 1967:38-45, map. A286.9 Ag8
- 34723 JAPAN EXTERNAL TRADE ORGANIZATION. Foreign trade of Japan 1966. Tokyo, 1966. 194 p. 269.7 J2797F
- 34724 JENSEN, F. Danish consumption rising gradually. Tea Coffee Trade J. 131(6):24,26,66-67. Dec. 1966. 68.8 T22
Coffee.
- 34725 KALLEMEYN, N. R. Impact of Central American integration on U.S. agricultural exports. Foreign Agr. Trade U. S., Feb. 1967:46-53. A286.9 Ag8
Central American Common Market.
- 34726 KAYOUMY, A. Monopoly pricing of Afghan karakul in international markets. Diss. Abstr., Sect. A, 27(1):20A. July 1966. Z5055.U49D5
- 34727 KRUEER, G. R. The leading cash customers; their influence affects prospects for commercial exports of farm products, now rising as aided shipments level. Agr. Situation [Washington] 51(2):4-5. Feb. 1967. 1 Ec7Ag
- 34728 LITWINOWICZ, J. Review of world meat economy. (Pol) Gosp. Miesna 18(6/9):44-46. Aug./Sept. 1966. 50.8 G69
Chiefly trade.
- 34729 LUPORI, N. Economic development and market for agricultural products; classification of countries in various stages of development. (It) Riv. Econ. Agr. 21(2):22-36. 1966. 281.8 R52
English summary.
Trade.
- 34730 MARQUARDT, and DREWS. Aspects of the foreign trade of the German Federal Republic with dairy products in the year 1965. (Ge) Molk.-Kaserei-Zeitung 17(23):855-858. June 8, 1966. 44.8 M736
- 34731 MARSHALL, J. R. New Zealand, Great Britain and Europe. Canterbury Chamber Com. Econ. Bull. 500,4 p. Nov. 1966. 280.8 C16
Trade; includes the European Economic Community.
- 34732 MARTIRANO, G. Kennedy round and agriculture. (It) Esso Agr. 15(6):6-7. Dec. 1966. 58.8 Es7
Tariff and trade policies.
- 34733 MASBERG, W. Balance of the agricultural negotiations in Chem. (Ge) Raiffeisen-Rundschau 18(12):562-564. Dec. 1966. 284.28 R132
- 34734 MASON, A. L. New Zealand-Australia Free Trade Agreement. Australian Timber J. Building Prod. Merchandiser 32(11):234-235, 237,239-242. Dec. 1966. 99.81 Au7
In reference to forest products.
Includes discussion.
- 34735 MAURITIUS, CUSTOMS AND EXCISE DEPT. Annual report for the year 1965. Port Louis, 1966. 206 p. 286.9 M44
Trade statistics.
- 34736 MCKITTERICK, N. East-West trade; the background of U.S. policy. New York, Twentieth Century Fund, 1966. 59 p. HF1456.M3
- 34737 MERCURIALLI, G. Other 200 billion for imported meat. (It) Esso Agr. 15(6):24-25. Dec. 1966. 58.8 Es7

- 34739 NEW ZEALAND, DEPT. OF STATISTICS. Exports 1964-65. Wellington, 1966. 286 p. 271.2 St2N
- 34739 NORTHERN IRELAND, MINISTRY OF COMMERCE. Summary of the trade of Northern Ireland for the years 1963, 1964 and 1965. Belfast? 1965. 37 p. 255.13 C73
- 34740 OJALA, E. M. Some current issues of international commodity policy. J. Agr. Econ. [Reading] 18(1):27-51. Jan.1967. 281.9 Ag8 Includes discussion.
- 34741 OLSON, E. A case study in export development. Poultry Meat 3(9):A-59-A-61. Sept. 1966. 47.8 P8656 Turkeys.
- 34742 OOMS, V. D. Regionalization and export performance: a study of primary commodities. Diss. Abstr., Sect. A. 27(1):7A. July 1966. Z5055.U49D5
- 34743 OSTMOE, F. Norwegian imports continue at high level. Tea Coffee Trade J. 131(6):19,60. Dec.1966. 68.8 T22 Coffee.
- 34744 PALMER, J. D. Market possibilities—an opening to the East for U.S. tobacco? Tobacco [New York] 163(27):49-50. Dec.30,1966. 286.89 T552 East Germany.
- 34745 PARAMORE, L. R. The Philippines; an expanding market for U.S. farm products. Foreign Agr. Incl. Foreign Crops Markets 5(2):8. Jan.9,1967. A281.9 F76Fo
- 34746 PEPPER CORN, L. M. Brazil fulfills export quota for current year despite trade's fears. Tea Coffee Trade J. 131(6):45-46. Dec.1966. 68.8 T22 Coffee.
- 34747 PIKE, C. E. Taiwan's economic growth changes its export pattern. Foreign Agr. Incl. Foreign Crops Markets 5(3):3-4. Jan.16,1967. A281.9 F76Fo
- 34749 RABIA, J. DE. Mobilizing for the 1966/67 orange war. (Ge) Fruchthandel 35:1352-1354. Sept.2,1966. 286.83 F9428 Spanish trade.
- 34749 RABIA, J. DE. Spanish export quotas for oranges from the farmer viewpoint. (Ge) Fruchthandel 25:945-946. June 24,1966. 286.83 F9428
- 34750 RIPPEY, R. S. Terms of trade of underdeveloped countries. Diss. Abstr., Sect. A. 27(5):1154A. Nov.1966. Z5055.U49D5
- 34751 ROCKE, C. The New Zealand pickled pelt market during 1966, bulk of sheep production went to Continent: lamb pelts to U.S.A. Leather 163 (4214):80. Jan.13,1967. 303.8 L48 Trade.
- 34752 ROTHFOS, B. West German imports lag in current year. Tea Coffee Trade J. 131(6):20, 42-44. Dec.1966. 68.8 T22 Coffee.
- 34753 ROY, E. P. There's a cheaper way to export. Poultry Meat 3(9):24-25. Sept.1966. 47.8 P8656
Chiefly the role of the Webb-Pomerene Act of 1918, in providing a way to cut the costs of exporting U. S. Poultry.
- 34754 SALORT, V. Spanish onion exports 1965/66. (Ge) Fruchthandel 27:1036. July 8,1966. 286.83 F9428
- 34755 SALORT JUST, V. Spanish fruit exports in the present and future. (Ge) Fruchthandel 25:946, 948-949. June 24,1966. 286.83 F9428
- 34756 SCHUURMAN, L. E. Netherlands imports up sharply in 1966. Tea Coffee Trade J. 131(6):22,36. Dec.1966. 68.8 T22 Coffee.
- 34757 SEELEMANN, M. Remarks on the "Notice of Sanitary Standards for the Import of Milk and Cream from Fresh or Pasteurized Milk into Italy." (Ge) Molk.-Kaserei-Zeitung 17(36):1423. Sept.7,1966. 44.8 M736
- 34759 SIEGEL, O. Foreign trade of Austria with sugar, confectionary, as well with cocoa and chocolate. (Ge) Rev. Int. Choc. 21(12):586,588. Dec.1966. 68.38 R32
- 34759 SINDELAR, G. E. More changes likely for Western Europe's apple trade. Foreign Agr. Incl. Foreign Crops Markets 5(2):5. Jan.9, 1967. A281.9 F76Fo
- 34760 THOMAS, O. Exports from Cochín port—increase in pail, marine products and timber exports. Planting Com. 14(9/10):12-19. Oct.8/23,1966. 22 P697
- 34761 TONTZ, R. L. and LEMON, I. E. Agricultural exports are becoming more important to U.S. agriculture. Foreign Agr. Trade U. S., Feb. 1967:6-13. A286.9 Ag8 Statistics.
- 34762 UNITED STATES-JAPAN TRADE COUNCIL. Japan growing market for U.S. exports. Washington, 1966? 14 p. HF3127.U53
- 34763 U. S. AGENCY FOR INTERNATIONAL DEVELOPMENT, LAOS. Statistical report, September 1966, Laos. n.p., 1966. various paging. 173.2 In84St
Includes trade statistics.
- 34764 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Reserves, balance of payments developments, and economic growth, by G. R. Krueger; and International Monetary Fund: U. S. drawings, 1964-September 1966, by M. H. Spears. U. S. D. A. Econ. Res. Serv. Foreign Gold Exch. Reserves 2,22 p. Nov.1966. A284.9 Ag842
- 34765 U. S. PRESIDENT (L. B. JOHNSON). Tenth annual report on the trade agreements program—1965. Washington, 1966. 53 p. 149 Un3
- 34766 VASEY, C. R. The ginger industry in Fiji; a high quality export has become a useful crop for Suva area farmers. Fiji Farmer 1(4):50-51,57. Dec.1965. 25 F473
- 34767 VENEZUELA, DIRECCION GENERAL DE ESTADISTICA Y CENSOS NACIONALES. Boletín de comercio exterior, año VII. No. 46, enero a diciembre 1965 [Bulletin of foreign trade, volume VII, No. 46, January to December 1965]. Caracas, 1966. 931 p. 255.9 Es82B
- 34769 VISOCCHI, V. Relative effect of the development of industrial and agricultural production of the European states on their foreign trade balances. (Fr) Confed. Europe, Agr. Publ. CEA 33:119-135. 1966. 28 C763
- 34769 WARE, D. W. The economic implications of free trade in agricultural products between Canada and the United States. Diss. Abstr., Sect. A. 27(1):15A-16A. July 1966. Z5055.U49D5
- 34770 WEGELIUS, T. Future aspects for world trade with forest products. (Sw) Skogsbruket 35(11):301-303,305-308. 1965. 99.8 Sk59
- 34771 WEST, Q. M. Foreign supply and demand projections: outlook for U.S. agricultural exports. J. Farm Econ. 48(5):1359-1375. Ref. Dec. 1966. 280.8 J822
Includes discussion by C. R. Eskildsen.
- 34772 WICK, H. J. German agricultural exports gain in importance. (Ge) Rulfelisen-Rundschau 18 (12):576,578-579. Dec.1966. 284.28 R132
- 34773 ZECHNER, D. W. Dutch foreign trade in farm products. Can. Dep. Agr. Agr. Abroad 21(6):30-32. Dec.1966. 281.9 Cl642A
- 34774 ZENI, E. Argentine exports of oilseeds, vegetable oils, and by-products in 1965. (Sp) Inform. Grasas Aceites. Bol. 4(3):111-114. May 1966. 307.8 In3

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 34775 BOULWARE, J. H. Dispatch from India: the food-crisis years in retrospect. Foreign Agr. Incl. Foreign Crops Markets 5(1):7. Jan.2, 1967. A281.9 F76Fo
- 34776 BROWN, L. R. The world food and population problem: an overview. Foreign Agr. Incl. Foreign Crops Markets 5(5):3-6. Jan.30,1967. A281.9 F76Fo
Developing areas.
- 34777 CALDER, R. Freedom begins with breakfast. (Excerpts.) Freedom Hunger Nov./Dec.1966: 8-11. 389.8 F872
Includes population and food supply.
- 34778 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Agricultural commodities—projections for 1975 and 1985. Volume I-II. Rome? 1966. 2 v. (CCP 67/3) 389.9 F7354Co
Committee on Commodity Problems, forty-first session.
- 34779 JORD groda djur [Soils—crops—livestock], 1967. v. 23. Stockholm, 1966. 205 p. 11 J763
Production of agricultural products.
- 34780 KNIGHT, R. B. The world food crisis. (Fr) Soc. Etudes Expansion. Rev. 221:419-424. May/June 1966. 280.8 S017
- 34781 MANN, E. J. Report on international survey of the world literature on food science and technology. Dairy Sci. Abs. 28(12):603-606. Dec.1966. 241 Im76
- 34782 MASPRONE, A. M. Evolution and prospects of the Italian food industry. Rev. Econ. Com. Italy 20(3):183-191. May 1966. 280.8 R3236
- 34783 PARASHAR, R. K. Food problem in developing countries—its international aspects. Agr. Situation India 21(5):299-302. Aug.1966. 281.9 In23
Foreign aid; suggests a world food bank.
- 34784 SALLES, M. Hunger in the world; the food problem of America in general and Latin America in particular. (Fr) Soc. Etudes Expansion. Rev. 222:627-631. Sept./Oct.1966. 280.8 S017
- 34785 STICHTING SCHEIKUNDIG ONDERZOEK. WERK-GEMEENSCHAP VOOR EIWTONDERZOEK. Report for 1965 of the Working Alliance for Protein Research of the Institution for Chemical Research. (Du) Chem. Weekbl. 62(50):621-638. Dec.16, 1966. 385 C42
- 34786 STUART, R. D. America's food business—a look at 1967 trends. Amer. Miller Processor 95(1):7. Jan.1967. 298.8 Am32
- 34787 THORNBROUGH, A. A. 4,000,000,000 mouths to feed by 1980. Mod. Farmer 4(3):4. May/June 1966. 10 M723
- 34788 WOOLF, W. F. Production pattern changes; why, where, how much and prospects for the future. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:13-18. 1966. 280.39 N213P
Agricultural products.

ANALYSIS AND COMPOSITION

- 34789 BRAD, S., VITA, C., and SEGAL, R. Determining the proteins of food products by burette reaction. (Rum) Indus. Aliment. 17(6):316-317, 329. Ref. June 1966. 389.8 In26
English summary.
- 34790 CERNA, J., and PICKOVA, J. Contribution to the determination of thiamine in foods. (Ge) Nahrung 10(5):437-438. 1966. 389.8 N142
- 34791 DAVIDEK, J., and DAVIDKOVA, E. Use of polyamide in research on water soluble food colorings. II. Isolation of dyes from foods for paper chromatographic separation. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 131 (2):99-101. 1966. 384 Z39
- 34792 ELGAR, K. E. Analysis of crops and soils for residues of the soil insecticides Aldrin and "Telodrin." J. Sci. Food Agr. 17(12):541-545. Dec.1966. 382 S012
- 34793 ELGAR, K. E., and MACDONALD, I. A. Analysis of crops for residues of "Bidrin" and its metabolites. J. Sci. Food Agr. 17(11):500-505. Nov.1966. 382 S012
- 34794 GOTO, T., and SATO, A. On the determination of mercury in various foods by quantitative isotope dilution analysis. (Ja) Jap. Soc. Food Nutr. J. 19(4):245-247. Nov.1966. 389.9 J27
English summary.
- 34795 LIU, T. S. Effect of certain factors on vapor phase sterilization of *Bacillus subtilis* ATCC. Diss. Abstr., Sect. B, 27(5):1505B. Nov.1966. Z5055.U49D53
Food bacterium.
- 34796 MARKETAN, M. Simplified determination of vitamin C (l-ascorbic acid) in foods with help of "dichlorophenol-indophenol-sodium" tablets from E. Merck AG, Darmstadt. (Ge) Indus. Obst- Gemuseverwertung 52(1):3-4. Jan.5, 1967. 389.8 K832
- 34797 MORI, Y., UDA, K., and KARAKAWA, Y. The effect of L-ascorbic acid on the proteinase. I. On the action of L-ascorbic acid on the trypsin. (Ja) Jap. Soc. Food Nutr. J. 19(3):203-206. Sept.1966. 389.9 J27
English summary.
- 34798 NIERLE, W. Colorimetric determination of nitrogen in starches and glucose. (Ge) Starke 18(11):347-350. Nov.1966. 309 S22
English summary.
- 34799 RAO, M. R. R. Thermal properties of cryogen frozen foods and changes occurring at sub-zero temperatures. Diss. Abstr., Sect. B, 27 (1):204B. July 1966. Z5055.U49D53
- 34800 SULLIVAN, J. W. Studies on starch gelatinization. Diss. Abstr., Sect. B, 27(5):1402B. Nov. 1966. Z5055.U49D53
- 34801 WANG, K. T. Polyamide layer chromatography of some synthetic food colours. Nature 213(5072):212. Jan.14,1967. 472 N21

CONSUMPTION AND UTILIZATION

- 34802 BLACKWOOD, M. B. Trends in demand for Mexican agricultural products. Can. Dep. Agr. Agr. Abroad 21(6):35-38. Dec.1966. 281.9 C1642A
Domestic demand.
- 34803 DIMITROV, A. T. Changes in the volume and structure of consumption of food products. (Bu) Ikonomicheska Misl' 11(5):90-99. 1966. 280.8 Ik7
- 34804 EKMAN, A. M. The consumer and information. (Sw) Var Naring 43(1):12. 1966. 44.8 M692
In relation to food.
- 34805 FELDMANN LASCHIN, G. R. Income and expenditure patterns of urban Indian households; Durban survey. Univ. S. Afr. Bur. Market Res. Res. Rep. 12,230 p. map. 1966. 280.39 Un33
Food expenditures included.
- 34806 KAUL, J. L. An application of Mahalanobis-D2 in discriminating consumer's behaviour. Indian J. Agr. Econ. 21(3):48-52. July/Sept.1966. 281.8 In2
- 34807 KURANDT, S. Consumption of preserved foods is additional to those consumed fresh; canned and frozen foods have not displaced "home made" products. (Ge) Raiffeisen-Rundschau 18(8):328-330. Aug.1966. 284.28 R132
Consumer preferences.
- 34808 MERKEL, H. Consumer: quality and price are decisive; German agriculture must make better use of its changes. (Ge) Raiffeisen-Rundschau 18(12):560-561. Dec.1966. 284.28 R132
- 34809 PETERSON, E. Canner/Packer interview. Canner/Packer 135(13):34-37. Dec.1966. 286.83 C16
On consumer views of food processor.
- 34810 SENTI, R. Food consumption and market span in Switzerland 1950-1964. (Ge) Agrarpolit. Rev. 22(12):482-487. Aug.1966. 281.8 Ag824
- 34811 TROUT, S. A. Changing pattern of food production and food habits in the U.S.A. 2. Australian Food Manufacture Distributor 5(36):28, 30. Dec.12,1966. 389.8 Au7
Consumption and habits.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 34812 AGREN, N. Continued development of the common agricultural policy within EEC. (Sw) Jordbruksekon. Medd. 12:311-320. Dec.1966. 257.3 J76
English summary, p.310.
Marketing regulations and prices.
- 34813 AMERICAN MARKETING ASSOCIATION. Proceedings, 1965 fall conference, Washington, D. C.: marketing and economic development, edited by P. D. Bennett. Chicago, 1965. 803 p. 280.39 Am35P
- 34814 ANGEHRN, O. Problems of optimization in marketing. (Ge) Agrarpolit. Rev. 22(7/8):316-327. Mar./Apr. 1966. 281.8 Ag824
- 34815 ARKIN, J. Sales budgets take out the guesswork. Poultry Meat 4(2):28,30. Feb.1967. 47.8 P8656
Market forecasting.
- 34816 BÖTTOMLEY, A. Agriculture, demand, and economic development. Econ. Int. 19(4):681-690. Nov.1966. 280.8 Ec728
Marketing problems in developing areas.
- 34817 BRANDOW, G. E. Implications of the report of the National Commission on Food Marketing for producer cooperatives. Amer. Coop. 1966:38-44. 280.29 Am3A
- 34819 BROWET, M. Merchandising conceived as a sales technique. (Fr) Rev. Lait. Franc. 239:31-33. Jan.1967. 44.8 In2
- 34819 BRUNSWICK, INSTITUT FÜR LANDWIRTSCHAFTLICHE MARKTFORSCHUNG. The agricultural markets at the end of the year 1966/67. (Ge) Agrarwirtschaft 15(12):417-451. Dec.1966. 281.8 Ag826
- 34820 CAIN, J. L. Changes in the structure of retail and wholesale food marketing in Maryland and the District of Columbia, 1929-1963. Md. Univ. Ext. Agr. Econ. Inform. Ser. 36,48 p. June 1966. 275.29 M36Agr
- 34821 CONNER, D. Marketing agricultural products. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:26-34. 1966. 280.39 N213P
Includes promotion.
- 34822 DEWEY, D. W. Revising State cooperative marketing acts. Amer. Coop. 1966:190-198. 280.29 Am3A
- 34823 ECHTERMEYER, O. Marketing—course in the agricultural school. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(12):227-228. Dec.1966. 18 N11
- 34824 FITZGERALD, L. W. Marketing engineering—a new challenge? Agr. Eng. 48(1):19. Jan. 1967. 58.8 Ag83
As an occupation.
- 34825 GALE, H. F. The farm food marketing bill and its components. U. S. D. A. Agr. Econ. Rep. 105,58 p. Jan.1967. A281.9 Ag8A
Bibliography, p.34-39.
Includes farmer's share.
- 34826 GAROIAN, L. Grocery retailing. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.3-77. 1966. HD9005.M6
- 34827 JAFFE, E. D. Towards a systems approach to domestic marketing abroad—a case study of Israeli food distribution. Diss. Abstr., Sect. A, 27(5):1171A. Nov.1966. Z5055.U49D5
- 34829 JOHNSON, R. E. Distributive Education Clubs of America. Amer. Coop. 1966:517.
280.29 Am3A
Development of leaders in marketing.
- 34829 KOLLAT, D. T. A study of unplanned purchasing in self-service food supermarkets. Diss. Abstr., Sect. A, 27(5):1172A-1173A. Nov.1966. Z5055.U49D5
- 34830 MCCANNA, H. A. Morality and marketing. Town Country Church 191:12. Nov./Dec.1966. 281.28 T66
- 34831 MCLAUCHLAN, G. Huge aircraft may carry NZ produce to the world. New Zeal. J. Agr. 113(4):20-21. Oct.1966. Z3 N46J
- 34832 MOORE, J. R., and WALSH, R. G. Cross-sectional analysis of the agricultural industries. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.379-406. 1966. HD9005.M6
From the viewpoint of marketing; includes vertical integration.
- 34833 MOORE, J. R., and WALSH, R. G., ed. Market structure of the agricultural industries; some case studies. Ames, Iowa State University Press, 1966. 412 p., map. Ref. HD9005.M6
- 34834 MORPHEW, A. E. Choice of vehicle refrigeration method for the transport of frozen foods. Mod. Refrig. 70(826):74-77. Jan.1967. 295.8 M72
- 34835 NATIONAL ASSOCIATION OF MARKETING OFFICIALS. Directory and report, forty-seventh annual convention, New Orleans, La., September, 1966. n.p., 1966. 76 p. 280.39 N213P
- 34836 PERRIN, L. Producer groups and agricultural cooperatives, their tasks and their functions. (Fr) Confed. Europe. Agr. Publ. CEA 33:169-182. 1966. 28 C763
Marketing in France and its relation to the Treaty of Rome.
- 34837 ROSTOW, W. W. The concept of a national market and its economics growth implications. Amer. Marketing Ass. Fall Conf. Proc. 1965:11-20. 280.39 Am35P
Agricultural products included.
- 34839 SARIEN, R. G., and AGGARWAL, N. Agricultural marketing in Rajasthan [with] special reference to Kairthal Mandi, district Alwar. Rural India 29(2/3):62-68. Feb./Mar.1966. 281.28 R889
- 34839 SLATER, C. C. The role of food marketing in Latin American economic development. Amer. Marketing Ass. Fall Conf. Proc. 1965:30-37. 280.39 Am35P
- 34840 STUBBS, S. M. Transportation of perishables in the U.S.A. Mod. Refrig. 70(826):78-80. Jan. 1967. 295.8 M72
- 34841 TSOLOV, I. Monthly analysis of agricultural truck-transportation. (Bu) Ikonicheska Mis'l 11(4):88-97. 1966. 280.8 Ik7
In relation to costs.
- 34842 TURCHI, C. M. Practical utility of modern techniques for analysing market demand. (It) Cronache Econ. 285:32-40. Sept.1966. 280.8 C882
- 34843 U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, July 1965-June 1966. U. S. D. A. Statist. Bull. 382,61 p. Jan. 1967. 1 Ag84St
- 34844 VISCO, G. Market studies in agriculture. (It) Bull. Agr. [Milano] 100(5):2-3. Mar.15,1966. 16 B87
- 34845 WEBER, A. Development of the organization system and marketing functions of producer societies. (Ge) Bayer. Landwirt. Jahrbuch 43(4):387-415. 1966. 18 L24
- 34846 WILKINSON, D. W. Our marketing image—domestic and foreign. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:5-10. 1966. 280.39 N213P
Agricultural.

Grading, Inspection, Standardization, and Quality

- 34847 ACKELL, B. Quality is a matter of taste—standard quality level is a condition. (Sw) Jord—Groda—Djur 23:9-15. 1966. 11 J763
Food.
- 34849 FREDHOLM, H. A comparison of quality standards in Sweden and other countries. (Sw) Jord—Groda—Djur 23:189-200. 1966. 11 J763
Food standards.
- 34849 GREAT BRITAIN. MINISTRY OF HEALTH. Annual report for the year 1965. London, 1966. 188 p. 449.75 G79A
Includes food safety and hygiene.

- 34850

HANNS, D. Food sanitation. Conf. Recreation Sanit. Safety. Proc., 1st Conf.:64-67. 1966. RA422.5.C6

KERMODE, G. O. An international commodity law. (Du) Conserva 15(6):150-153. Dec.1966. 389.8 C7632

French summary.

On the Codex Alimentarius.
- 34851

LEE, D. F., and others. Pesticide residues in foodstuffs in Great Britain. I-III. J. Sci. Food Agr. 17(12):561-572. Ref. Dec.1966. 382 S012

H. Egan, D. C. Holmes, J. Roburn, J. O. Tatton, and W. D. Pocklington, joint authors.

I. Introduction; II. Persistent organochlorine pesticide residues in selected foods; III. Arsenic and lead residues in imported apples.
- 34852

MALINCONICO, A. Observations and highlights on articles 15 and 16 of the law of April 30, 1962, No. 283, concerning sanitary control of production and sale of food products. (It) Giurisprudenza Agr. Ital. 13(10):525-532. Oct. 1966. 16 G44
- 34853

MARTH, E. H. Mycotoxins in foods and feeds. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:53-64. Ref. 1966. 44.9 W27

Molds in foods and feeds.
- 34854

NAIDENOVA, P. Statistical study of quality of agricultural production. (Bu) Ikonomicheska Mis'l 11(2):46-59. 1966. 280.8 Ik7

French summary, p.119-120.
- 34855

ROBINSON, J., and MCGILL, A. E. J. Organochlorine insecticide residues in complete prepared meals in Great Britain during 1965. Nature 212(5066):1037-1038. Ref. Dec.3,1966. 472 N21
- 34856

TURNQUIST, P. K. Size classifying of granular particles in a vibratory screening system. Diss. Abstr., Sect. B, 27(1):148B. July 1966. Z5055.U49D53
- 34857

PACKING AND PACKAGING
- 34858

BRICKLEY, D. Advances in glass packaging. Food Technol. Australia 19(5):124-125,127-139. Dec.1966. 389.8 F7333
- 34859

EUGSTER, C. W. Trends in paperboard packaging. Food Manufacture 42(1):30-31. Jan. 1967. 389.8 F736
- 34860

HEISS, R. Core problems of food packing in western Europe. (Ge) Verpackungswirtschaft 14(12):2-6. Dec.1966. 280.38 V59
- 34861

MUMMA, C. E. Development of extruded amylose packaging film. Cereal Sci. Today 12(1):4-7,36. Jan.1967. 59.8 C333
- 34862

ROBINSON, L., and HEISS, R. Reflections on defining the fields of use for food packing materials. 1. (Ge) Nahrung 10(5):427-436. Ref. 1966. 389.8 N142
- 34863

PRICES, PRICE CONTROL, AND RATIONING
- 34864

CHANDRA, K. Two decades of internal realignments in agricultural prices in India. Agr. Situation India 21(5):303-309. Aug.1966. 281.9 In23
- 34865

IVANOVA, V. Effect of international prices on internal price formation. (Bu) Ikonomicheska Mis'l 11(5):48-59. 1966. 280.8 Ik7

French summary, p.129.

Includes agricultural products.
- 34866

SAO PAULO, DEPT. DA PRODUCAO VEGETAL. DIV. DE ECONOMIA RURAL. Minimum prices for the 1966/67 crop. (Por) Agr. Sao Paulo 13(5/6):1-23. May/June 1966. 9.2 Ag823
- 34867

WEHENKEL, A. The project for reforming the cost-of-living index. (Fr) Luxemb. Serv. Cent. Statist. Etud. Econ. Bull. Statec. 12(4):75-88. 1966. 258 L972Bu

Luxembourg; food prices included.
- 34868

PROCESSING AND STORAGE
- 34869

DOORNBOS, R. Statistical aspects of mixing. (Du) Conserva 15(6):161-163. Dec.1966. 389.8 C7632

French summary.
- 34870

FUKUHARA, T., and others. Studies on Japanese pickle "suguki-zuke." 4. Experiment of pickling through the addition of lactic acid bacteria in industry scale. (Ja) Jap. Soc. Food Nutr. J. 19(3):180-185. Sept.1966. 389.9 J27

K. Fujiwara, E. Mukai, S. Takada, S. Yamaguchi, joint authors.

English summary.
- 34871

HANNIGAN, K. J. What schools are doing to develop new products. Food Eng. 39(2):110, 112. Feb.1967. 389.8 F737

New products developed at universities.
- 34872

HIPOLITO, D. G., DOMINGO, J. G., and SARTE, N. M. High-protein yeast, Rhodotorula pilimanae Hedrick et Burke, from Philippine strawberry fruit. Philippine J. Sci. 94(2):179-187. Ref. June 1965. 475 P53
- 34873

ISHIHARA, F., and others. Effect of ultraviolet rays in the refrigerator. (Ja) Jap. Soc. Food Nutr. J. 18(6):444-448. Mar.1966. 389.9 J27

M. Hatanaka, T. Kanda, and F. Kubo, joint authors.

English summary.
- 34874

KING, A. D. The effect of carbon dioxide on microbial growth and metabolism. Diss. Abstr., Sect. B, 27(1):33B. July 1966. Z5055.U49D53

Used as food preservative.
- 34875

MATTHEWS, J. Food engineering and plant development. Irish Agr. Creamery Rev. (n.s.) 19(396):20-23. Dec.1966. 44.8 C866
- 34876

MCKRAY, G. Patents, trademarks, and copyrights. Poultry Egg Further Process. Conf. [Proc.] 1965:23-32. 280.3479 N47

Food.
- 34877

MERCER, W. A. Product protection by chlorination and other safeguards. Poultry Egg Further Process. Conf. [Proc.] 1965:33-40. 280.3479 N47

In food canning.
- 34878

MONTIGAUD, J. C. Concentration in the French industry of preserved foods. (Fr) France. Min. Agr. Bull. Tech. Inform. 210:487-507. (Cont.) Ref. June 1966. 14 F844B
- 34879

MONTIGAUD, J. C. Concentration in the French industry of preserved foods. (Fr) France. Min. Agr. Bull. Tech. Inform. 211:561-580. (Cont.) Ref. July/Aug.1966. 14 F844B
- 34880

MORPHEW, A. E. B., and JONES, A. J. The design and construction of large cold stores. Nat. Fed. Cold Storage Ice Trades. Year Book 1967:8-19. 295.9 N217
- 34881

MULLER, J. G. Freeze concentration of food liquids: theory, practice, and economics. Food Technol. 21(1):49-52,54-56,58,60-61. Ref. Jan.1967. 389.8 F7398
- 34882

MUTAI, K., ed. Shokuhin no kako chozo [Food processing and storage]. Tokyo, Ishiyaku Shuppan, 1966. 232 p. TX601.M8
- 34883

NATIONAL ASSOCIATION OF REFRIGERATED WAREHOUSES. Directory of public refrigerated warehouses, twenty-third edition, 1967. Washington, D. C., 1967. 154 p. 225 As75
- 34884

NATIONAL FEDERATION OF COLD STORAGE AND ICE TRADES. 1967 year book. London, 1967. 126 p. 295.9 N217
- 34885

NOWATZYK, H. The erecting of silos and storehouses in West Africa. (Ge) Muhle 103 (28):476-477. July 14,1966. 298.8 M89
- 34886

OLBRICH, H. Alcoholic fermentation. (Ge) Seifen-Ole-Fette-Wachse 92(26):979-983. (Cont.) Ref. Dec.21,1966. 307.8 Se4
- 34887

PORTER, M. Convenience foods. Va. Polytech. Inst. Ext. Leaf. 300,4 p. Oct.1966. 275.29 V81L
- 34888

REHNBERG, M. From old to new food storage. (Sw) Jord-Groda-Djur 23:16-22. 1966. 11 J763

- 34889 RODIONOV, M., KOCHERGIN, L., and SKLYA-
ROV, G. Canneries of collective and state
farms. (Rus) Ekon. Sel'skogo Khoz. 10:56-63,
Oct. 1966. 281.8 S073
Food.
- 34890 SCHIMPFESSEL, L. Aspects of the regulation
of dehydrogenase alcohols in yeasts. (Fr)
Rev. Ferment. Indus. Aliment. 21(4):117-129.
(Cont.) 1966. 390.08 F32
- 34891 SEYMOUR, W. R. The changing role of frozen
food locker cooperatives. U. S. Farmer Coop.
Serv. Serv. Rep. 83, 12 p. Sept. 1966.
A280.29 F22
- 34892 SHERWOOD, P. W. Improving cold storage of
foods by relative humidity control. Refrig.
Annu. 1966:76-77. 295.8 R256
- 34893 SOUTHERN, E. M. Present status and future
prospects of food irradiation. Food Manufac-
ture 42(1):19-26. Ref. Jan. 1967. 389.8 F736
- 34894 STEWART, G. Tide and currents in food pro-
cessing and preservation. Poultry Egg Fur-
ther Process. Conf. [Proc.] 1965:71-76.
280.3479 N47
- 34895 SYMPOSIUM: CHEMISTRY AND TECHNOLOGY
OF DEEP FAT FRYING. [Papers]. Food
Technol. 21(1):33-36. (Cont.) Ref. Jan. 1967.
389.8 F7698
Includes introduction by S. S. Chang and a
paper by C. J. Robertson.
- 34896 TAGGART, R. S. How to manage today's sani-
tation. Food Eng. 39(2):87-89. Feb. 1967.
389.8 F737
- 34897 TWEDT, D. W. What is a "convenient food?"
J. Marketing 31(1):67-68. Jan. 1967.
250.38 J82
- 34898 VITEZ, I. Elimination of the action of preserv-
atives in sterility tests. (Ge) Zentralbl.
Bakteriol. Parasitenk. Infektionskrankh. Hyg.
Abt. I, Orig. 201(1):104-109. Sept. 1966.
448.3 C33
English summary.
- 34899 ZEMLAYNSKII, F., and NIKITIN, S. Direct
relations of collective and state farms with
industrial enterprises. (Rus) Ekon. Sel'skogo
Khoz. 11:22-28. Nov. 1966. 281.8 S073
Processing of food.
- STATISTICS**
- 34900 BADEN-WURTEMBERG. STATISTISCHES
LANDESAMT. Die endgultigen Ergebnisse der
Bodennutzungserhebung 1965 [Final results of
the land use census 1965]. Baden-Wurttemb.
Statist. Landesamt. Statist. Ber. Agrardienst
52, 20 p. Nov. 9, 1965. 265 S28
- 34901 BETTER, R. J., and LESSLEY, B. V. Census of
Maryland agriculture, by counties, 1959 and
1966. Md. Univ. Ext. Agr. Econ. Inform. Ser.
39, 78 p., map. Aug. 1966. 275.29 M36Agr
- 34902 CYPRUS. STATISTICS AND RESEARCH DEPT.
Economic report, 1965. Nicosia, 1966. 67 p.
256.02 C99
Agriculture, p. 42-45.
- 34903 GREAT BRITAIN. CENTRAL STATISTICAL
OFF. Annual abstract of statistics, No. 103,
1966. London, 1966. 364 p. 256.03 T6TU
Includes agriculture and food.
- 34904 HOLLANDSCHE BANK-UNIE N. V. Annual re-
port 1965-1966, 52nd financial year. Am-
sterdam, 1966. 91 p. 284.9 H71Ae
Includes agricultural production and trade in
various countries.
- 34905 INDIA. DIRECTORATE OF ECONOMICS AND
STATISTICS. All-India final estimate of
rabi pulses (other than gram and tur), 1964-65.
New Delhi, 1965. 3 p. 269.5 In2Arp
- 34906 ITALY. ISTITUTO CENTRALE DI STATIS-
TICA. Annuario di statistica agraria. Vol.
XIII, 1966 [Annual of agricultural statistics,
Vol. XIII, 1966]. Roma, 1966. 304 p., map.
261 Is7Ann
- 34907 JOSHI, S. Surveys for estimation of crop pro-
duction in India. Agr. Situation India 21(5):
313-321. Aug. 1966. 281.9 In23
- 34908 MALTA. CENTRAL OFF. OF STATISTICS.
Annual abstract of statistics, 1965. No. 19.
Valletta, 1966. various paging, map.
256.02 M293
Agricultural statistics included.
- 34909 MOHR, D. Agriculture from yesterday to to-
day. (Ge) Statist. Monh. Schleswig-Holstein
18(12):266-276. Dec. 1966. 265 Sch32Sm
Statistical.
- 34910 NORWAY. STATISTISK SENTRALBYRA. Jord-
bruksstatistikk, 1965. Agricultural statistics,
1965. Oslo, 1966. 108 p. 257.2 S2La
Table of contents, table headings and summa-
ry also in English.
- 34911 PETKOV, A. G. Methodological problems of
economic evaluation of acreage structure in
socialist agricultural enterprises. (Bu) Visshe
Selskostopanski Inst. "Vasil Kolarov." Nauch.
Tr. 14(1):497-504. Ref. 1965. 106.3 P72
German summary.
- 34912 POLAND. GLOWNY URZAD STATYSTYCZNY.
Rocznik statystyczny [Statistical yearbook],
1966. Warszawa, 1966. 688 p., map.
267.2 G51R
Includes agricultural statistics.
- 34913 PUERTO RICO. OFF. OF AGRICULTURAL
STATISTICS. Facts and figures on Puerto
Rico's agriculture 1965. P. R. Dep. Agr. Of-
fice Agr. Statist. Spec. Publ. 14, 66 p. Feb.
1966. 252.74 Es8P
- 34914 RAO, V. M. A note on changes in crop pattern
in the North Deccan region (India) during 1949-
58. Indian J. Agr. Econ. 21(3):52-56.
July/Sept. 1966. 281.8 In2
- 34915 SCOTLAND. DEPT. OF AGRICULTURE AND
FISHERIES. Agricultural statistics, 1965.
Scotland. Edinburgh, 1966. 74 p.
255.01 Sco82A
- 34916 SINGH, D. Agricultural census with special
reference to the programme for 1970. Agr.
Situation India 21(5):293-298. Aug. 1966.
281.9 In23
- 34917 SYRIAN ARAB REPUBLIC. DIRECTORATE OF
STATISTICS. Statistical abstract, 1965, eight-
eenth year. Damascus, 1966. 401 p., map.
269.8 Sy85
Text also in Arabic.
Agricultural statistics included.
- 34918 TURKEY. DEVLET ISTATISTIK ENSTITUTU.
Genel tarim sayimi; onnekme sonuclar. Cen-
sus of agriculture: sampling survey results,
1963. Turkey. Devlet Istatistik Enstitusu.
Yayin 447, 170 p., map. 1965. 269.9 S2
- 34919 TURKEY. DEVLET ISTATISTIK ENSTITUTU.
Turkiye istatistik yilligi [Turkish statistical
annual], 1963. Turkey. Istatistik Genel Mu-
durlugu. Yayin. 490, 320 p. 1965. 269.9 S2
Agricultural statistics included.
- BEVERAGES AND CONDIMENTS**
- 34920 ARNTZ, H. The cultural history of wine in
Germany. (Ge) Ralfeisen-Rundschau 18(10):
488-491. Oct. 1966. 284.28 R132
- 34921 BIESER, K. L. Competition for the '64 vintage.
(Ge) Ralfeisen-Rundschau 18(12):583. Dec.
1966. 284.28 R132
Quality and production of 1966 wine.
- 34922 BIESER, K. L. Production goal: problem of
adapting vintner cooperatives to the European
market. (Ge) Ralfeisen-Rundschau 18(9):
345-348. Sept. 1966. 284.28 R132
- 34923 BIESER, K. L. Vintners place their product
under test. (Ge) Ralfeisen-Rundschau 18(7):
286. July 1966. 284.28 R132
DLG awards and quality.
- 34924 BLAKEMORE, W. R., DEWAR, E. T., and
HODGE, R. A. Polysaccharides of the cocoa
pod husk. J. Sci. Food Agr. 17(12):558-560.
Ref. Dec. 1966. 382 S012
- 34925 BRAUNSCHWEIG, J. Switzerland planning ma-
jor coffee promotion. Tea Coffee Trade J. 131
(6):28. Dec. 1966. 68.8 T22
To increase domestic consumption.
- 34926 BRUGIARD, A., ROQUES, J., and DIXONNE,
E. The P/alpha ratio in natural sweet wines.
(Fr) Pyrenes-Orientales. Chambre Agr. Bull.
Tr. 38:17-46. Mar. 1966. 14 F8462

- 34927 BUTANESCU, G. Study of some aspects of technology of production of the Sauvignon type of wine from Dragasani area vineyards. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:845-857. Ref. 1963/44, pub.1966, 86 R862
French summary.
- 34928 CHASSEVENT, F., and ORNANO, M. D'. Photometric determination of cacao pigments. Tests of the international method of O.I.C.C. [International Office of Cacao and Chocolate] and of some variants. (Fr) Cafe, Cacao, The 10(3):243-266. July/Sept.1966. 68.8 C112
English summary.
- 34929 COLEMAN, C. H. Identify 83 volatile constituents of tea. Tea Coffee Trade J. 131(6):48. Dec.1966. 68.8 T22
- 34930 COSMO, I. Viticulture and enology of the Northeast of Italy. (It) Agricoltura 15(7):67-84. July 1966. 16 Ag8226
- 34931 DALMASSO, G. Civilization of the vine. (It) Agricoltura 15(7):19-28. July 1966. 16 Ag8226
- 34932 DALMASSO, G. Viticulture and enology of the Northwest of Italy. (It) Agricoltura 15(7):43-64. Ref. July 1966. 16 Ag8226
- 34933 DEIBNER, L., and MOURGUES, J. Polarization of platina electrodes used in measuring oxidation reduction potential, during their prolonged stay in red wine and grape must in alcoholic fermentation. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(18):1333-1336. Nov.2,1966. 505 P21
- 34934 DELGADO, C. P. Colombia ponders essential changes in policies on economics of coffee. Tea Coffee Trade J. 131(6):44. Dec.1966. 68.8 T22
- 34935 DESANA, P. Grapes and wine in the Province of Alessandria. (It) Rass. Econ. Prov. Alessandria 19(5):21-26. Sept./Oct.1966. 287 AL24
- 34936 DOBSON, L. Vineyards of Niagara. Ontario Hydro News 53(12):10-13. Dec.1966. 335.9 On8B
Wine industry.
- 34937 DYER, T. A., and NOVELLIE, L. Kaffircorn malting and brewing studies. XVI. The distribution and activity of alpha and beta amylases in germinating kaffircorn. J. Sci. Food Agr. 17(10):449-456. Ref. Oct.1966. 382 So12
- 34938 EVANS, H. L. Tea's growth period is in its infancy. Tea Coffee Trade J. 131(6):12,40-41. Dec.1966. 68.8 T22
- 34939 GAROGLIO, P. G. Technical progress in wine manufacture and respect for the biological integrity of wine. (It) Agricoltura 15(7):29-39. July 1966. 16 Ag8226
- 34940 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbau und Weinbau. III. Wein: Weinmosternte [Horticulture and grape production. III. Wine: wine must harvest], 1965. Stuttgart, 1966. 30 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 2) 265 G318Gar
- 34941 GHOSH, B. N. Physical properties of the different grades of Arabica coffee beans. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):592-593. 1966. 290.9 Am32T
- 34942 GREGORY, R. P. F., and BENDALL, D. S. The purification and some properties of the polyphenol oxidase from tea (*Camellia sinensis* L.). Biochem. J. 101(3):569-581. Ref. Dec.1966. 382 B52
- 34943 GREGORY, R. P. F. A rapid assay for peroxidase activity. Biochem. J. 101(3):582-583. Dec.1966. 382 B52
In tea and horseradish.
- 34944 HASSAN, N. Tea industry for West Pakistan. Agr. Pakistan 16(2):159-167, map. June 1965. 22 Ag832
- 34945 ILIESCU, L. V., and others. Composition and improvement of quality of alcoholic distillates from the marc. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:895-905. 1963/64, pub.1966. 86 R862
C. Basamac, M. Macici, G. Butanescu, F. Mujdaba, C. Icatoiu, and T. Giosanu, joint authors.
French summary.
- 34946 ILIESCU, L. V., and BUTANESCU, G. Study of possibilities of aromatic wine from grapes of Dragasani area vineyards. (Rum) Grindina, Via Lavada 15(9):70-81. Sept.1966. 80 G75
English summary.
- 34947 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of dry ginger (*Zingiber officinale*), 1964-65. New Delhi, 1965. 2 p. 269.5 In2Ad
- 34948 IYER, A. S. E. Problems of coffee planters. Planting Com. 14(7):13-18. Sept.8,1966. 22 P697
India.
- 34949 JUURANTO, K. Consumption rises in Finland in 1966. Tea Coffee Trade J. 131(6):32-33. Dec.1966. 68.8 T22
Coffee.
- 34950 KILBUCK, J. What the seasoning supplier can do for the further processor. Poultry Egg. Further Process. Conf. [Proc.] 1965:77-79. 280,3479 N47
- 34951 LASZLO, I., and others. Preparation of red wine by fermentation with carbon dioxide. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:859-868. 1963/64, pub.1966. 86 R862
V. Lepadatu, T. Giosanu, M. Macici, and S. Taras, joint authors.
French summary.
- 34952 LE CHEVALIER, F. Coffee outlook in OAMCAF countries. Tea Coffee Trade J. 131(6):14,38-39. Dec.1966. 68.8 T22
- 34953 MARECA, I., and MIGUEL, M. DE. Second contribution to the polarographic study of natural flavonoids. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(12): 855-861. June 29,1966. 14 P215Bc
In wine.
- 34954 MEDUNA, V. VON. Experiences in the exclusive use of concentrated hops. (Ge) Brauwelt 107(3):17-20. Jan.11,1967. 390.8 B732
English summary.
- 34955 MIHALCA, A., and ADAM, I. Characteristics of red wine of the Minis area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:869-879. 1963/64, pub.1966. 86 R862
French summary.
Includes composition and properties.
- 34956 MIRO ESPLUGAS, M. For those who don't drink wine. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(9):165-166. Sept.1966. 15 Sa5
- 34957 MONTANARI, V. Typical Vicenza wines in the limelight and their future. (It) Agr. Venezia 20(6):283-295. June 1966. 16 Ag826
- 34958 MONTANARI, V. Viticulture and enology of central Italy. (It) Agricoltura 15(7):85-92. July 1966. 16 Ag8226
- 34959 MUIR, K. S. Solubles lead U.K. coffee consumption. Tea Coffee Trade J. 131(6):16. Dec.1966. 68.8 T22
- 34960 MURTI, V. N. An econometric study of the world tea economy, 1948-1961. Diss. Abstr., Sect. A, 27(5):1153A-1154A. Nov.1966. Z5055.U49D5
- 34961 NEW YORK COFFEE AND SUGAR EXCHANGE. Directory. New York, 1966. 42 p. 225 N4896
- 34962 OUGH, C. S., and AMERINE, M. A. Effects of temperature on wine making. Calif. Agr. Exp. Sta. Bull. 827, 36 p. Ref., p.32-36. Oct.1966. 100 C12S
- 34963 PERINI, D. Recent trends in viticulture and wine manufacture in Italy. (It) Riv. Econ. Agr. 21(3):10-30. 1966. 281.8 R52
English summary.
- 34964 PEYNAUD, E., LAFON-LAFOURCADE, S., and GUIMBERTEAU, G. L (-) lactic acid and D (-) lactic acid in wines. Amer. J. Enol. Viticult. 17(4):302-307. Oct./Dec.1966. 390.9 Am33
Review of the literature.
- 34965 ROSSI, J. A., and SINGLETON, V. L. Flavor effects of adsorptive properties of purified fractions of grape-seed phenols. Amer. J. Enol. Viticult. 17(4):240-246. Oct./Dec.1966. 390.9 Am33
Review of the literature.
In relation to wine flavor.

- 34966 STALDER, R. Introducing Swiss wines to the foreign consumer. *Switz. U. S. A.* 1:25-28. 1966. 280.8 Sw62 Industry.
- 34967 TEODORESCU, S., and others. Study of suitability for the manufacture of champagne types of wine of main grape production regions and varieties of Rumania. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:881-894. Ref. 1963/64, pub. 1966. 86 R862 C. Matran, J. Jurubita, G. Septilici, V. Lepadatu, E. Popa, F. Mujdaba, C. Basamac, T. Giosanu, G. Butanescu, G. Sandu-Ville, C. Vodarici, A. Mihalca, and G. Braguta, joint authors. French summary.
- 34969 TEWSON, L. Australian ginger. *World Crops* 18(3):62-65. Sept. 1966. 281.8 W892 Industry.
- 34969 TREMLETT, R. Off-beat wines. *Mod. Farmer* 3(4):8. July/Aug. 1965. 10 M723
- 34970 VICENTINI, G. The white wine road. (It) *Agr. Venezia* 20(9):434-439. Sept. 1966. 16 Ag826
- 34971 WIJEYARATNE, N. L. Tea in Ceylon's future. *Tea Coffee Trade J.* 131(6):50-51. Dec. 1966. 68.8 T22
- 34972 YAMANISHI, T., and others. Studies on the flavor of green tea. VII. Flavor components of manufactured green tea. *Agr. Biol. Chem.* 30 (11):1102-1105. Ref. Nov. 1966. 385 Ag8B A. Kobayashi, A. Uchida, and Y. Kawashima, joint authors.
- 34973 YUEN, S. H. Absorptiometric determination of feritrothion residues in cocoa beans. *Analyst* 91(1089):811-813. Ref. Dec. 1966. 382 An1
- DAIRY PRODUCTS**
- 34974 ACKERMANN, E. Switzerland's processed Gruyere cheese industry. *Switz. U. S. A.* 1:21-22. 1966. 280.8 Sw62
- 34975 ARBUCKLE, W. S. Ice cream. Rev. and augm. ed. Westport, Connecticut, Avi Publishing Company, 1966. 403 p. Ref. TX795.A7 Includes history, nutritive value, ingredients, manufacture, and related products.
- 34976 ASSOCIAZIONE ITALIANA LATTIERO-CASEARIA. Relazione del presidente sull'attività svolta durante l'anno 1965 [Report of the president on the activity during the year 1965]. Milano, 1966. 48 p. 44.9 As72
- 34977 BENTERUD, T. The dairy industry in 1966. (No) *Meieriposten* 56(1):1-14. Jan. 7, 1967. 44.8 M47
- 34979 BIRKENHOLZ, J. J. Foundations and structure of the Hesse dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 20(26):826-827. July 1, 1966. 44.8 M735
- 34979 BOBST, B. W. Optimal spatial and structural changes in Washington's fluid milk industry. *Diss. Abstr.*, Sect. A, 27(1):12A. July 1966. Z5055.U49D5
- 34980 CELEBRATION in the Burgdorf Butter Central. (Ge) *Schweiz. Milchzeitung* 92(104):829-830. Dec. 30, 1966. 44.8 Sch92 Rebuilding; papers by W. Graber, P. Rufener, F. Hofmann, H. Muller, and F. Gyax.
- 34981 CLAVADETSCHER, W. Federation measures for developing the dairy industry. (Ge) *Agrarpolit. Rev.* 23(1/2):3-6. Sept./Oct. 1966. 281.8 Ag824 Switzerland.
- 34982 COOK, H. L. The ice cream industry. In Moore, J. R., and Walsh, R. G., ed. *Market structure of the agricultural industries*, p. 123-149. Ref. 1966. HD9005.M6
- 34983 CORNEHLS, W. The dairy industry in Schleswig-Holstein. (Ge) *Molk.-Zeitung Welt Milch* 20(26):806,808. July 1, 1966. 44.8 M735
- 34984 DAIRY & ice cream industries directory, 1965. London, 1965. 128 p. 225 B982
- 34985 DODEL, H. The dairy industry of Bavaria. (Ge) *Molk.-Zeitung Welt Milch* 20(26):801-802, 804. July 1, 1966. 44.8 M735
- 34986 ESCHER. Uniformly good technical and economic training of the next generation must be forced. (Ge) *Molk.-Kaserei-Zeitung* 17(36):1407-1408. Sept. 7, 1966. 44.8 M736
- 34987 FISCHER, F. Education and schooling in the Swiss dairy industry. (Ge) *Agrarpolit. Rev.* 23 (1/2):67-70. Sept./Oct. 1966. 281.8 Ag824
- 34988 FISCHER, L. German dairy industry in distress. (Ge) *Raiffeisen-Rundschau* 18(12):574-575. Dec. 1966. 284.28 R132 In relation to EEC regulations.
- 34989 GARDET, F. Gruyere cheese. (Fr) *Agriculture [Paris]* 29(294):353-354. Nov. 1966. 14 Ag823 Production and statistics in France.
- 34990 GODBERSEN, G. Sensible development help for India's dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 20(9):254. Mar. 4, 1966. 44.8 M735
- 34991 GODBERSEN, G. W. The problem of the dairy specialist seen from the outside. (Ge) *Molk.-Kaserei-Zeitung* 18(1):9-11. Jan. 4, 1967. 44.8 M736 Greek dairying.
- 34992 GRAHLMANN, B. The dairy industry in Wesserm.-Ems. (Ge) *Molk.-Zeitung Welt Milch* 20(26):813,816. July 1, 1966. 44.8 M735
- 34993 HAISCH, K. H., MERL, H., and KIERMEIER, F. Marginal cost estimation as decision estimation for determination of an optimal production program in dairies. (Ge) *Molk.-Kaserei-Zeitung* 17(36):1593-1598. Ref. Sept. 21, 1966. 44.8 M736
- 34994 HEER, H. Cheese from Switzerland. *Switz. U. S. A.* 1:17-20. 1966. 280.8 Sw62 Types.
- 34995 HEIBER, J. Changing German dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 20(26):798-799. July 1, 1966. 44.8 M735
- 34996 HEIBER, J. First backward look on 1966; further production increase in the German dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 20 (51/52):1597. Dec. 23, 1966. 44.8 M735
- 34997 HERZ, H. More ice cream in Europe. (Ge) *Molk.-Kaserei-Zeitung* 17(41):1697. Oct. 12, 1966. 44.8 M736
- 34999 HILKER, R. The chances of the German dairy industry in the E.E.C. (Ge) *Molk.-Zeitung Welt Milch* 20(43):1361-1363. (Cont.) Oct. 28, 1966. 44.8 M735
- 34999 HILKER, R. The chances of the German dairy industry in the E.E.C. (Ge) *Molk.-Zeitung Welt Milch* 20(44):1390-1392. (Cont.) Nov. 4, 1966. 44.8 M735
- 35000 HOFFMAN, R. What's ahead for ice cream? *Amer. Dairy Rev.* 29(1):22-23, 26. Jan. 1967. 44.8 Am38
- 35001 INGRAM, A. Some thoughts on European dairy production plants. *Nat. Dairy Eng. Conf. Proc.*, 14th Annu. Conf.:120-123. 1966. 44.9 D1482
- 35002 KAHNT, R. In the shadow of the E.E.C.; what faces the German dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 20(51/52):1607-1611. Dec. 23, 1966. 44.8 M735
- 35003 KAHNT, R. In the shadow of the E.E.C.; what lies in wait for the German dairy industry. (Ge) *Molk.-Kaserei-Zeitung* 17(43):1760-1764. Oct. 26, 1966. 44.8 M736
- 35004 KATZER, H. Professional education and later education. (Ge) *Molk.-Kaserei-Zeitung* 17 (23):851. June 8, 1966. 44.8 M736
- 35005 KEUNE, O. The dairy industry in the French Jura. (Ge) *Molk.-Kaserei-Zeitung* 17(46):1872-1875. Nov. 16, 1966. 44.8 M736
- 35006 KIEFER, A. The dairy industry in North Rhine-Westphalia. (Ge) *Molk.-Zeitung Welt Milch* 20(26):817-818, 820. July 1, 1966. 44.8 M735
- 35007 KIEFER, A. The future has already begun: thoughts on the German dairy industry situation of yesterday, today, and tomorrow. (Ge) *Molk.-Kaserei-Zeitung* 17(39):1619-1622. (Cont.) Sept. 28, 1966. 44.8 M736
- 35008 KIEFER, A. The future has already begun: thoughts on the situation of the German dairy industry of yesterday, today, and tomorrow. (Ge) *Molk.-Kaserei-Zeitung* 17(40):1647-1649. Oct. 5, 1966. 44.8 M736

- 35009 KLUPSCH, K. The milk and dairy economy in Rheinland-Pfalz. (Ge) Molk.-Zeitung Welt Milch 20(26):822. July 1, 1966. 44.8 M735
- 35010 KOESTER, H. The dairy industry in Saarland. (Ge) Molk.-Zeitung Welt Milch 20(26):832. July 1, 1966. 44.8 M735
- 35011 LANG, F. The Gossau, Switzerland, central butter factory. (Ge) Molk.-Zeitung Welt Milch 20(50):1571-1572. Dec. 16, 1966. 44.8 M735
- 35012 LEHMANN, The European dairy industry today and tomorrow. (Ge) Molk.-Kaserei-Zeitung 17(45):1838-1839. Nov. 9, 1966. 44.8 M736
- 35013 LEHMANN, F. The dairy industry in Hanover-Brunswick. (Ge) Molk.-Zeitung Welt Milch 20(26):812-813. July 1, 1966. 44.8 M735
- 35014 MADAPPA, P. P. Dairy management training—a crucial need. Indian Dairyman 18(9):313-317. Sept. 1966. 44.8 In282
- 35015 MENNINGER, H. The Dairy Education Institute [Milchwirtschaftliche Lehranstalt, Geinhausen] and the education of the dairyman. (Ge) (Extr.) Molk.-Zeitung Welt Milch 20(44):1395-1400. Nov. 4, 1966. 44.8 M735
- 35016 MENNINGER, The Dairy Education Institute [Milchwirtschaftliche Lehranstalt, Geinhausen] and the education of the dairyman. (Ge) Molk.-Kaserei-Zeitung 17(42):1719-1722. Oct. 19, 1966. 44.8 M736
- 35017 MILKIE, R. C. Tips to engineers and architects for plant layout. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:80-84. 1966. 44.9 D1482
- 35018 MOLLER, H. View of Denmark's butter manufacture. (Ge) Molk.-Zeitung Welt Milch 20(31):997-998. Aug. 5, 1966. 44.8 M735
- 35019 NIELSEN, V. H. Iowa groups study future of dairying in State. Amer. Dairy Rev. 29(1):36, 65-66. Jan. 1967. 44.8 Am38
- 35020 NIENHAUS, A. The position of the German dairy industry within the European Economic Community. (Ge) Molk.-Zeitung Welt Milch 20(37):1194-1195. Sept. 16, 1966. 44.8 M735
- 35021 NORSK Meierikalendar [Norwegian dairy calendar], 1967, v. 28. Oslo, 1966. 244 p. 44.9 N814
- 35022 PETRICIO, A. Layout of milk plants. (Se) Mjekarstvo 16(7):145-156. (Cont.) July 1966. 44.8 M694Ac
- 35023 PETZALL, E. B. Spain's dairy industry between hope and reality. (Ge) Molk.-Zeitung Welt Milch 20(33):1060-1061. Aug. 19, 1966. 44.8 M735
- 35024 PRODUKTENGIDS [Product guide], 1966. Misset's "Zuivel" 72(37):830-964. Sept. 1966. 44.8 N282
- 35025 ROSSBERG, C. German dairy industry in the year 1966. (Ge) Molk.-Kaserei-Zeitung 17(51/52):2029-2030. Dec. 21, 1966. 44.8 M736
- 35026 SALA ESCOLIES, E. Milk production in Spain. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115 (10):185-187. Oct. 1966. 15 Sa5
- 35027 SCHAEFER, H., and BRANDT, W. The milk and dairy industry in northwestern France. (Ge) Molk.-Kaserei-Zeitung 17(51/52):2046-2048. Dec. 21, 1966. 44.8 M736
- 35028 SCHLECHTY, D. L. EEC [European Economic Community] industry moves closer to a common price goal. Foreign Agr. Incl. Foreign Crops Markets 5(3):5-7. Jan. 16, 1967. A281.9 F76Fo
- 35029 SCHONLE, A. The milk and dairy economy in Baden-Württemberg. (Ge) Molk.-Zeitung Welt Milch 20(26):828-829. July 1, 1966. 44.8 M735
- 35030 SCHOOL milk in focus. (Ge) Molk.-Kaserei-Zeitung 18(4):106-110. (Cont.) Jan. 25, 1967. 44.8 M736
- 35031 Report of interviews with various people. SCHWEIZERISCHER Kaserei- und Molkerei-Kalender; milchwirtschaftliches Taschenbuch für 1967, einundsiebzigster Jahrgang [Swiss cheese and dairy almanac; dairy manual for 1967, seventy-first year]. Bern, 1966. various paging. 44.8 Sch9
- 35032 SOUTH AUSTRALIAN DAIRYMEN'S ASSOCIATION. "A constructive year"; general president's annual report. S. Australian Dairymen's J. 6(1):1-2, 5-8. July/Aug. 1966. 44.8 So86
- 35033 STRAUSS, E. Common Market challenge to Britain's dairy industry. Dairy Indus. 32(1):27-31, map. Jan. 1967. 44.8 D1427
- 35034 STUSSI, D. Butter manufacture in Switzerland. (Ge) Agrarpolit. Rev. 23(1/2):62-66. Sept./Oct. 1966. 281.8 Ag824
- 35035 TENTONI, R. More milk plants are needed in the world. Ceylon Vet. J. 14(3):41-42. Sept. 1966. 41.8 C33
- 35036 TIERMIA, P. Progressive adaptation of the Netherlands cheese industry. (Ge) Molk.-Zeitung Welt Milch 20(26):859-860. (Cont.) July 1, 1966. 44.8 M735
- 35037 VELTEN, J. The image of the German dairyman. (Ge) Molk.-Kaserei-Zeitung 17(39):1615-1616. Sept. 28, 1966. 44.8 M736
- 35038 VIRGINIA STATE DAIRYMEN'S ASSOCIATION. Sixtieth annual convention, January 26-27, 1967, Roanoke, Virginia. n.p., 1967. 95 p. 44.9 V81A
- 35039 VOLKL, H., and LEHMANN, F. Trends in the development of cheese production and marketing. (Ge) Molk.-Kaserei-Zeitung 17(48):1937-1940. Nov. 30, 1966. 44.8 M736
- 35040 WASHINGTON, STATE UNIVERSITY, COLLEGE OF AGRICULTURE, DEPT. OF ANIMAL SCIENCES. 33rd Institute of Dairying, Washington State University, March 15-17, 1966. Pullman, 1966. 120 p. Ref. 44.9 W27

Analysis and Composition

- 35041 ADDA, J. Use of radioisotopes and radiation in dairy science and technology. (Fr) Rev. Lait. Franc. 237:653. Nov. 1966. 44.8 In2
- 35042 AUCLAIR, J. Laboratory of milk bacteriology. (Fr) Tech. Lait. 523:13. July 1, 1966. 44.8 Of2
- 35043 BADINGS, H. T., and POL, J. J. G. VAN DER. A rapid and simple method for the determination of the H₂S content of pasteurized cream. (Du) Misset's "Zuivel" 73(1):10-11, 13. Jan. 3, 1967. 44.8 N282
- 35044 BIGGS, D. A. Infrared milk analysis. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:85-94. 1966. 44.9 D1482
- 35045 BRUGHERA, F., SALVADORI, P., and PELLEGRI, F. Thrombo-plastic activity of milk. (Fr) Lait 46(459/460):611-618. Nov./Dec. 1966. 44.8 L143
- 35046 BULLOCK, E. J. Why cream tests vary. Dairyfarming Dig. 13(5):2. Sept./Oct. 1966. 44.8 D1443
- 35047 DIMICK, P. S., and WALKER, N. J. Efficiency of laboratory steam deodorization in quantitative recovery of aliphatic delta-lactones from butteroil. J. Dairy Sci. 50(1):97-99. Ref. Jan. 1967. 44.8 J822
- 35048 DOWNEY, W. K., and ANDREWS, P. Studies on the properties of cow's milk tributyrins and their interaction with milk proteins. Biochem. J. 101(3):651-660. Ref. Dec. 1966. 382 B52
- 35049 DUNKLEY, W. L., and FRANKE, A. A. Evaluating susceptibility of milk to oxidized flavor. J. Dairy Sci. 50(1):1-9. Ref. Jan. 1967. 44.8 J822
- 35050 EFTHYMOU, C. Major free fatty acids of Feta cheese. J. Dairy Sci. 50(1):20-24. Ref. Jan. 1967. 44.8 J822
- 35051 ENGST, R., and KUBEL, D. Thin layer chromatographic determination of dimethoate and PO-dimethoate in foods from plant products. (Ge) Z. Lebensmittel-Untersuchung.-Forsch. 131(3):149-155. Ref. 1966. 384 Z39
- 35052 GANGULI, N. C., SINGHAL, O. P., and BHALLA-RAO, V. R. A simple method for detecting the presence of animal rennet in vegetable or bacterial rennet. Indian J. Dairy Sci. 19(1):53-54. Mar. 1966. 44.8 In28

- 35053 GARNIER, J. Laboratory research on milk proteins. (Fr) *Tech. Lait.* 523:14. July 1, 1966. 44.8 O12
- 35054 GHEORGHIU, A., and others. Establishing conversion coefficients for the determination of proteins in the milk of different cattle breeds by formol titration. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 24:137-144. Ref. 1966. 49.9 R86L
G. Gondos, G. Ionescu, F. Saghin, and V. Cristea, joint authors.
English summary.
- 35055 GHEORGHIU, A. S. A contribution to the study of the content of amino acids in sheep's milk. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 23:289-301. 1966. 49.9 R86L
English summary.
- 35056 GHEORGHIU, A. S., and POPA, L. A contribution to the study of content of amino acids in sheep's milk, in Teleme and Katschkawal cheeses from Dobruja. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 23:303-315. Ref. 1966. 49.9 R86L
English summary.
- 35057 GIRGIS, E. S., EL-HAGARAWY, I. S., and SIRRY, I. The serum proteins in cow and buffalo milk. *Alexandria J. Agr. Res.* 13(2):263-270. July 1965. 24 AL2
- 35059 GUSSEK, K. W. Butterfat hardness and butter spreadability. (Ge) *Molk.-Kaserei-Zeitung* 17(48):1941-1945. Nov.30,1966. 44.8 M736
- 35059 HECHER, M. Research on the influencing of mesophilic lactic acid streptococci by staphylococci-micrococci. (Ge) *Osterr. Milchwirt.* 21(23,beilage 1):1-19. (Cont.) Dec.7,1966. 44.8 Os72
English summary.
From dairy products.
- 35060 HERMIER, J. Laboratory of biochemistry of microorganisms. (Fr) *Tech. Lait.* 523:15,16. July 1,1966. 44.8 O12
- 35061 HOEL, A. A., and others. Development of total volatile acidity and fat chemical changes in pickled Domiati cheese. *Indian J. Dairy Sci.* 19(1):52-53. Mar.1966. 44.8 In28
G. A. Tawab, M. Radi, and N. Fawzi, joint authors.
- 35062 HUTTON, K., and SEELEY, R. C. Rapid method for saponification of milk fat and subsequent quantitative estimation of the lower fatty acids. *Nature* 212(5070):1614-1615. Dec.31,1966. 472 N21
- 35063 KALRA, D. S. Studies on the estimation of catalase activity in milk, with particular reference to its application as a screening test in bovine mastitis and milk quality control. *Diss. Abstr., Sect. B*, 27(5):1529B. Nov.1966. Z5055:U49D53
- 35064 KAWANISHI, G., and SAITO, K. Flavor components in whole milk powder and skim milk powder. (Ja) *Jap. Soc. Food Nutr. J.* 19(4):240-244. Nov.1966. 389.9 J27
English summary.
- 35065 KIERMEIER, F., RAZAWI, A. D., and WILDBRETT, G. Analysis of chlorinated hydrocarbon insecticides in milk by biological methods. III. Improvement of the fly test method. (Ge) *Z. Lebensmittel-Untersuchung.-Forsch.* 131(3):155-158. 1966. 384 Z39
- 35066 KIERMEIER, F., and PETZ, E. Potentiometric determination the sulphydryl groups in milk. (Ge) *Z. Lebensmittel-Untersuchung.-Forsch.* 131(2):75-80. Ref. 1966. 384 Z39
- 35067 KRAUS, H. A contribution to the coli-sanitation test. (Ge) *Molk.-Zeitung Welt Milch* 21(1):10. Jan.6,1967. 44.8 M735
Milk.
- 35068 KURMANN, J. A. Sampling for pH measurement from the hoop side of 24-hour Emmentaler cheese; a contribution to the prevention of boring injury. (Ge) *Schweiz. Milchzeitung* 92(104):831. Dec.30,1966. 44.8 Sch92
English summary.
- 35069 KURMANN, J. A. Suggestions on the analysis and technique of analysis of cheese fondue. (Fr) *Schweiz. Milchzeitung* 92(103):823-824. Dec.27,1966. 44.8 Sch92
English summary.
- 35070 KUZDZAL-SAVOIE, S. Laboratory research on the biochemistry of milk lipides. (Fr) *Tech. Lait.* 523:12. July 1,1966. 44.8 O12
- 35071 LABUSCHAGNE, J. H. The interrelationships of fat, solids-not-fat and proteins in milk. *Dairy Indus. J. Southern Afr.* 6(3):139-146. Ref. July/Sept.1966. 44.8 D1428
- 35072 LABUSCHAGNE, J. H. The reliability of the relationship between certain milk constituents and cheese yields. (Af) *Dairy Indus. J. Southern Afr.* 6(3):109,111,113,115,117,119. July/Sept.1966. 44.8 D1428
English summary.
- 35073 LIGHTBODY, L. G. Ripening of raw farm cream in Queensland. *Queensland J. Agr. Anim. Sci.* 23(1):57-68. Ref. Mar.1966. 23 Q37
Bacteria.
- 35074 MARTH, E. H. Psychrophilic spoilage of Cottage cheese and its control. *Wash. State Univ. Inst. Dairyng. Proc.*, 33d Inst.:31-40. Ref. 1966. 44.9 W27
- 35075 MORRIS, H. A., COUTLER, S. T., and GATES C. E. Comparison of the accuracy of the USDA lactometer method with the Mojonnier method for determining total solids of milk. *J. Dairy Sci.* 50(1):96-97. Jan.1967. 44.8 J822
- 35076 MURTHY, K. K. R., and NARAYANAN, K. M. A method for the estimation of phospholipids in milk and milk products. *Indian J. Dairy Sci.* 19(1):45-47. Ref. Mar.1966. 44.8 In28
- 35077 NEFF, E. Quality tests for raw milk supplies. *Dairyfarming Dig.* 13(5):34-38. Sept./Oct.1966. 44.8 D1443
- 35079 EL-NEGOUMY, A. M. Interaction of alpha_s-casein with kappa-casein in model systems before and after freezing. *J. Dairy Sci.* 49(12):1478-1481. Ref. Dec.1966. 44.8 J822
- 35079 OLSHEVSKII, P. A. Equipment for charging and discharging tanks used in photo-electro colorimetry. (Rus) *Khim. Sel'skom Khoz.* 4(10):60-61. Oct.1966. 385 K524
Milk analysis equipment.
- 35080 OMURTAG, A. C., and PEKER, M. Research on the chemical structure of our native butter and its metabolism. (Tu) *Turk Vet. Hekimleri Dernegi. Dergisi* 36(11):28-34. Ref. Nov. 1966. 41.9 T84
- 35081 PARKS, O. W., and others. Evidence for kynurenine in milk. *J. Dairy Sci.* 50(1):10-11. Jan.1967. 44.8 J822
D. P. Schwartz, K. Nelson, and C. Allen, joint authors.
- 35082 PINO, N., and CHIOFALO, L. Research on certain constituents and physical constants of Alpine ibex (*Capra ibex L.*) milk (contribution to the study of a special case). (Fr) *Lait* 46(459/460):619-620. Nov./Dec.1966. 44.8 L143
- 35083 POSTHUMUS, G. Determination of the protein content of milk by the dye binding method in the Netherlands. (Ge) *Molk.-Kaserei-Zeitung* 17(43):1766-1768. Oct.26,1966. 44.8 M736
- 35084 PRAKASH, S. Quality control of fluid milk in tropical climates. *Indian Dairyman* 18(10):347-348. Ref. Oct.1966. 44.8 In282
- 35085 PRICE, W. V., and BUYENS, H. J. Brick cheese: pH, moisture, and quality control. *J. Dairy Sci.* 50(1):12-19. Ref. Jan.1967. 44.8 J822
- 35086 RANDOLPH, H. E., BUCY, J. L., and FREEMAN, T. R. Factors affecting reliability of catalase test results. I. Sanitizers. *J. Dairy Sci.* 50(1):32-34. Jan.1967. 44.8 J822
In milk.
- 35087 ROBINSON, K. Some observations on the taxonomy of the genus *Microbacterium*. I-II. *J. Appl. Bacteriol.* 29(3):607-624. Ref. Dec. 1966. 44.8 So12
Isolated from milk.
- 35089 SCARLETT, C. A. Chemicals and the T.T.C. (triphenyl-tetrazolium chloride) test. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(9):423-426. Sept.1966. 10 G79J
Antibiotic treatment for mastitis, and residues in milk.

- 35089 SCHORMULLER, J., HANS, R., and BELITZ, H. D. Partial structure formula of a phosphopeptide from alpha-casein. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 131(2):65-74. Ref. 1966. 384 Z39
- 35090 SIMÉON, M. Contribution à l'étude de méthodes pour la recherche du lait de vache mélange à celui des brebis; application au fromage de Roquefort [Contribution to the study of methods for the research on cow's milk mixed with sheep's; its application to Roquefort cheese]. Alfort. Ecole Nat. Vet. These 15,46 p. Ref. 1966. 41.2 AL23
- 35091 SING, E. L. Improved methods for evaluating post-pasteurization sanitation. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:13-21. 1966. 44.9 W27
Includes tests.
- 35092 SWINFORD, T. A. Fermentation products produced in milk by bacteria associated with lactic cultures. Diss. Abstr., Sect. B, 27(1):38B-39B. July 1966. Z5055,U49D53
- 35093 TAWAB, G. A., and HOFI, A. A. Testing cheese ripening by rapid chemical techniques. Indian J. Dairy Sci. 19(1):39-41. Mar.1966. 44.8 In28
- 35094 TERPLAN, G., WIESNER, H. U., and ZAAD-HOF, K. J. Optimal method for the determination of total germ count, coliform bacteria, proteolytes, and clostridia in milk. (Ge) Molk.-Zeitung Welt Milch 20(47):1473-1475. Ref. Nov.25,1966. 44.8 M735
- 35095 VEDAMUTHU, E. R. Production of carbonyl compounds by lactic streptococci: relation to Cheddar cheese flavor. Diss. Abstr., Sect. B, 27(1):39B. July 1966. Z5055,U49D53
- 35096 VENTURA, J. A. Count of the molds and yeasts in butter. (Sp) Indus. Leche. 48(566):203-205,219. Sept.1966. 44.8 In26
- 35097 WILLIAMS, K. I. H., BURSTEIN, S. H., and LAYNE, D. S. Dimethyl sulfone: isolation from cows' milk. Soc. Exp. Biol. Med. Proc. 122(3):865-866. July 1966. 44.2.9 Sol

Consumption and Utilization

- 35098 AMUNDSON, C. H. Whey utilization. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:41-52. 1966. 44.9 W27
- 35099 EHRLING, H. Milk powder is excellent for cooking and baking. (Sw) Var Naring 43(9):251. 1966. 44.8 M692
- 35100 HEIBER, J. Drinking milk consumption in the Federal Republic. (Ge) Molk.-Zeitung Welt Milch 20(30):968. July 29,1966. 44.8 M735
- 35101 TANAKA, K. Studies on the use of nonfat dry milk. I. Acceptability of nonfat dry milk as a beverage and in prepared foods. (Ja) Jap. Soc. Food Nutr. J. 19(3):151-155. Sept.1966. 389.9 J27
English summary.

Distribution, Marketing, and Transportation

- 35102 AMACHER, A. From the activity of a regional milk producer association with special attention to consumer milk supply. (Ge) Agrarpolit. Rev. 23(1/2):27-33. Sept./Oct.1966. 281.8 Ag824
Switzerland.
- 35103 ANGEHRN, O. Market development in the service of the dairy industry. (Ge) Agrarpolit. Rev. 23(1/2):71-74. Sept./Oct.1966. 281.8 Ag824
Switzerland.
- 35104 BAKER, R. S. Trends in milk tank truck transportation. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:49-52. 1966. 44.9 D1482
- 35105 BALU, V. Milk for the millions. Indian Dairyman 18(9):319-320. Sept.1966. 44.8 In282
Advertising.
- 35106 BIGORRE, R. Propaganda and dairy research. (Fr) Rev. Lait. Franc. 237:649-652. Nov.1966. 44.8 In2
- 35107 BLEICKEN, O. H. A new generation expresses itself. (Ge) Molk.-Kaserei-Zeitung 17(38):1599-1600. Sept.21,1966. 44.8 M736
Chiefly on marketing.
- 35108 BOLLIGER, O. Results of a large-scale investigation shortening to 4 weeks the period between the end of silage feeding and the reception for cheese manufacture. (Ge) Schweiz. Milchzeitung 813(102):813-815. Dec.23,1965. 44.8 Sch92
- 35109 BRINCKMAN, W. Standardization, packaging and marketing of fluid milk. Int. Dairy Fed. Annu. Bull. 1966(4):5-34. 44.9 In2A
Text also in French, p.41-70.
- 35110 CASTRO, J. B. DE. Program of the Brodosqui Dairy Cooperative [Cooperativa de Laticínios de Brodosqui]. (Por) Arco-Iris 15(105):14. Nov.1966. 280.28 Ar2
- 35111 CORNEHLS, W. Yes to differentiated butter supply. (Ge) Molk.-Kaserei-Zeitung 17(45):1835-1837. Nov.9,1966. 44.8 M736
- 35112 EIDAM, J. E. Opportunities lost through lack of designed action. Amer. Coop. 1966:301-304. 280.29 Am3A
Dairy cooperatives.
- 35113 EKBERG, K. Milk deliveries to dairies 1965. (Sw) Tidskr. Lantman. Andelsfolk 4:93-95. Feb.28,1966. 20 T43
Finland.
- 35114 FRIESE, H. Milk in the field of public relations. (Ge) Molk.-Zeitung Welt Milch 20(26):833-834. July 1,1966. 44.8 M735
- 35115 GAROIAN, L. A design for progress through research. Amer. Coop. 1966:297-300. 280.29 Am3A
Dairy cooperatives.
- 35116 GAY, J. The consumer milk market in the [European Economic] Community. (Ge) Deut. Molk.-Zeitung 87(51/52):2129-2133. Dec.22, 1966. 44.8 Su2
- 35117 GREEN, J. O. Updating delivery systems. Amer. Dairy Rev. 29(1):40-41,60-61. Jan.1967. 44.8 Am38
- 35118 HIBBEN, K. J. Legal effectiveness of long-range milk delivery agreements between cooperative and member. (Ge) Molk.-Zeitung Welt Milch 20(30):977-979. July 29,1966. 44.8 M735
- 35119 HUWE, K. H. The supplying of Berlin with milk and dairy products. (Ge) Molk.-Zeitung Welt Milch 20(26):823-824. July 1,1966. 44.8 M735
- 35120 KALLIN, G. Coordination of Westphalian dairy industry; a plan for the solving of common marketing problems. (Ge) Molk.-Kaserei-Zeitung 18(1):5-8. Jan.4,1967. 44.3 M736
- 35121 KEUNE, K. What pertains to dairy promotion in the U.S.A.? Report on the American Dairy Association. (Ge) Molk.-Kaserei-Zeitung 18(1):16,18. Jan.4,1967. 44.8 M736
- 35122 KOCH, G., and ROTHE, W. Thoughts on the promotion of the school milk breakfast. (Ge) Molk.-Kaserei-Zeitung 17(29):1215-1216. July 20,1966. 44.8 M736
- 35123 LEHMANN, F. Does the German dairy industry produce for the market? (Ge) Molk.-Zeitung Welt Milch 20(36):1140,1142. (Cont.) Sept.9,1966. 44.8 M735
- 35124 LEHMANN, F. A generation of dairymen withdraws. (Ge) Molk.-Kaserei-Zeitung 17(33):1327-1328. Aug.17,1966. 44.8 M736
Market regulation.
- 35125 LOMBARD, S. H. Stock-taking in dairy industry. (Af) Dairy Indus. J. Southern. Afr. 6(3):133,135,137-138. July/Sept.1966. 44.8 D1428
English summary.
Chiefly marketing investigation.
- 35126 LUND, C. The new international marketing program. (Ge) Molk.-Kaserei-Zeitung 17(45):1839-1840,1842. Nov.9,1966. 44.8 M736
- 35127 MCLUCKIE, V. Know Maryland dairy products. Md. Univ. Ext. Leaf. 35,6 p.-folder. May 1965. 275.29 M36EL
Purchasing.

- 35129 MOORE, J. R. The fluid milk industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p. 101-122. Ref. 1966. HD9005.M6 Marketing.
- 35129 OWENS, T. R. Report to the Government of Pakistan on milk marketing in the Karachi Milk Supply Scheme. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1213.15 p. 1965. 281.9 F733E
- 35130 PETYT, D. Trouble in choosing for milk collection. (Fr) Tech. Lait. 523:26-27. July 1, 1966. 44.8 Of2
- 35131 PRIMATESTA, G. "Differentiated" collecting of milk. (It) Cronache Econ. 286:61-64. Oct. 1966. 280.8 C882
- 35132 QUAST, H. Milk supplying in Hamburg. (Ge) Molk. - Zeitung Welt Milch 20(26):810-811. July 1, 1966. 44.8 M735
- 35133 REICHOW, H. J. In the French view: milk and wine and producer organizations. (Ge) Raiffeisen-Rundschau 19(1):4-5. Jan. 1967. 284.28 R132
Text of an interview with French Minister of Agriculture Edgar Faure.
- 35134 SCHELHAAS, H. An E.E.C. delivery for cheese? (Du) Ned. Zuivelbond. Offic. Orgaan 58(29):615-616. July 20, 1966. 44.9 AL3
- 35135 SIEGENTHALER, E. The milk specialties market. (Ge) Agrarpolit. Rev. 23(1/2):43-51. Sept./Oct. 1966. 281.8 Ag824 Switzerland.
- 35136 SIEVERS, E. International cheese publicity with rewarding goals. (Ge) Molk. - Zeitung Welt Milch 20(47):1477-1478. Nov. 25, 1966. 44.8 M735
- 35137 SLAGSVOLD, P. The butter and cheese market 1966. (No) Meieriposten 56(2):23-30. Jan. 14, 1967. 44.8 M47
- 35138 TUCKER, G. C. Progress in the last seven years. Amer. Coop. 1966:291-296. 280.29 Am3A
Dairy cooperatives.
- 35139 20 YEARS of the CMC (Coöperatieve Melkcentrale). (Du) CMC (Coop. Melkcentr.) 21(19/20):371-403. map. Dec. 23, 1965. 44.8 C11
A special issue of the publication.
- 35140 WALKER, J. Aims and objectives of the National Young Cooperators. Amer. Coop. 1966:535-536. 280.29 Am3A
Organized by the National Milk Producers Federation.
- 35141 WALKER, J. E. Cooperative design—how it looks to the younger generation. Amer. Coop. 1966:305-310. 280.29 Am3A
Dairy cooperatives.
- 35142 WEWERS, E. A generation of dairymen withdraws. (Ge) Molk. - Kaserei-Zeitung 17(35):1383-1384. Aug. 31, 1966. 44.8 M736
Market regulation.
- 35143 WHITTED, S. F. Farm sales and class 1 utilization of Grade A milk in Missouri, 1961—1965. Mo. Agr. Exp. Sta. Spec. Rep. 61, 19 p. Aug. 1966. 100 M693Sp
- 35144 WIDMER, A. Greater market share for domestic soft cheese. (Ge) Agrarpolit. Rev. 23(1/2):59-61. Sept./Oct. 1966. 281.8 Ag824 Switzerland.
- Grading, Inspection, Standardization, and Quality
- 35145 ANANTAKRISHNAN, C. P., RAO, M. B., and DASTUR, N. N. ISI [Indian Standards Institution] certification mark and Agmark as means for implementing standards. Indian Dairyman 18(6):223-225. June 1966. 44.8 In282
For dairy products.
- 35146 BERNHART, J. L. Responsibilities of federal, state and city authorities for a quality raw milk supply. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:3-5. 1966. 44.9 W27
Includes inspection, pasteurization, and regulation.
- 35147 CARLSON, V. R. Technical & marketing aspects, aseptically processed dairy products. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:73-89. 1966. 44.9 W27
Keeping quality.
- 35149 CROSBY, D. G., ARCHER, T. E., and LABEN, R. C. DDT contamination in milk following a single feeding exposure. J. Dairy Sci. 50(1):40-42. Jan. 1967. 44.8 J822
- 35149 EKMAN, J. Milk as raw material for quality products. (Sw) Jord—Groda—Djur 23:68-74. 1966. 11 J763
- 35150 ENRIGHT, T. R. Responsibilities of industry in developing and maintaining a quality raw milk supply. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:7-8. 1966. 44.9 W27
- 35151 ENRIGHT, T. R. What constitutes quality in a raw milk supply. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:1-2. 1966. 44.9 W27
Includes tests for bacteria and other tests for sanitary purposes.
- 35152 FRASE, W. Shaping date and freshness of butter. (Ge) Molk. - Kaserei-Zeitung 18(2):31. Jan. 11, 1967. 44.8 M736
- 35153 GLASS, E. D. An evaluation of a vehicle-mounted sanitary metering system for farm bulk milk. Diss. Abstr., Sect. B, 27(5):1340B. Nov. 1966. Z5055.049D53
- 35154 GRIFFIN, A. T. Line survey, aid in quality control of dairy products. Dairying Dig. 13(5):39-40. Sept./Oct. 1966. 44.8 D1443
- 35155 GUELIER, I. Standardized or normalized milk. (Sp) Indus. Leche. 48(566):210, 212-219. (Cont.) Sept. 1966. 44.8 In26
- 35156 JAQUET, J., and DESFLEURS, M. Study of a new "bleu" accident in Camembert cheese manufacture; practical lessons. (Fr) Lait 46 (459/460):599-610. Nov./Dec. 1966. 44.8 L143
English summary.
Caused by *Penicillium brevicompactum*.
- 35157 KAY, H. DLG quality testing 1966 for ice cream. (Ge) Molk. - Kaserei-Zeitung 17(36):1417-1418. Ref. Sept. 7, 1966. 44.8 M736
- 35158 KOCH, G. Explanation of the regulation amending the cheese regulation of September 7, 1966. (Ge) Molk. - Kaserei-Zeitung 17(40):1643-1644. Oct. 5, 1966. 44.8 M736
- 35159 LABEN, R. C., and others. Milk contamination from low levels of DDT in dairy rations. J. Dairy Sci. 49(12):1488-1494. Ref. Dec. 1966. 44.8 J822
T. E. Archer, D. G. Crosby, and S. A. Peoples joint authors.
- 35160 LANGHART, O. Measures for the improvement of hard cheese quality. (Ge) Agrarpolit. Rev. 23(1/2):55-58. Sept./Oct. 1966. 281.8 Ag824
Switzerland.
- 35161 MAITRE, P. High quality pasteurized milk. (Fr) Nouvelles Marches Agr. 118(study 1159):25-30. Dec. 16, 1966. 286.9 N85
- 35162 NEITZKE, A. Foundations of milk classification through dairies. (Ge) Molk. - Kaserei-Zeitung 17(49):1969-1971. Dec. 7, 1966. 44.8 M736
- 35163 RAMMELL, C. G. Radioactive fallout and milk. New Zeal. J. Agr. 113(6):57, 59. Dec. 1966. 23 N48J
- 35164 RICHARDS, R. J. The role of bacteria in milk and cream quality. Dairy Top. 10(7):10-19. Jan./Feb. 1966. 44.8 D1444
- 35165 RITTER, P. Measures for the development of milk quality. (Ge) Agrarpolit. Rev. 23(1/2):39-42. Sept./Oct. 1966. 281.8 Ag824
Regulation in Switzerland.
- 35166 SOLTERBECK, H. W. The situation and requisites in the quality evaluation of delivery milk. (Ge) Molk. - Kaserei-Zeitung 17(28):1194-1196. Ref. July 13, 1966. 44.8 M736
- 35167 SWARTLING, P. Quality of milk refrigerated and stored on the farm with twice-daily delivery by tank. (Ge) Molk. - Zeitung Welt Milch 20(30):969-972. Ref. July 29, 1966. 44.8 M735

- 35169 VOSS, E. Butter testing of international importance. (Ge) Molk.-Zeitung Welt Milch 20 (29):941-943. July 22, 1966. 44.8 M735
By the Deutsche Landwirtschafts-Gesellschaft.

Packing and Packaging

- 35169 DOBERSBERGER, O. A sack of milk, please! (Ge) Oesterr. Milchwirt. 21(23):436-437. Dec.7, 1966. 44.8 Os72
- 35170 LAUTH, J. P. The conditioning of dairy products. (Fr) Tech. Lait. 22(538):64-65. Dec.8, 1966. 44.8 Of2
Packing.
- 35171 LAUTH, J. P. Evolution in packing dairy products in Europe. (Fr) Tech. Lait. 523:25. July 1, 1966. 44.8 Of2
- 35172 LEMBERG, B. Packing of butter in individual portions. (Sw) Mejeritidskrift 28(1):14-16. Feb. 1966. 44.8 M472
- 35173 MOULTHROP, M. J. Recent trends and developments in improving storage tanks for milk. Can. Dairy Ice Cream J. 46(1):16-18. Jan. 1967. 44.8 C162
- 35174 STORGARDS, T., and LEMBKE, A. Permeability to gas and light of packages used for fluid milk. Int. Dairy Fed. Annu. Bull. 1966(4):35-39. 44.9 In82A
Text also in French, p.71-75.

Prices, Price Control, and Rationing

- 35175 HAISCH, K. H., MERL, H., and KIERMEIER, F. Price policy decisions as determinant of an optimal production program in dairy firms with the help of linear programming. (Ge) Molk.-Kaserei-Zeitung 18(1):12-15. Ref. Jan.4, 1967. 44.8 M736
- 35176 HILKER, R. Common regulated price concluded for milk. (Ge) Raiffeisen-Rundschau 18(8):318-320. Aug. 1966. 284.28 R132
In the European Economic Community.
- 35177 HOLO, S. Formation of basic price of milk. (No) Meieriposten 55(51):1081-1086. Dec.24, 1966. 44.8 M47

Processing and Storage

- 35179 ALSAFAR, T. A., and WOOD, F. W. The effect of some emulsifying agents on the stability of the milk fat of ice cream. Alexandria J. Agr. Res. 13(2):439-458. July 1965. 24 AL2
- 35179 AMUNDSON, C. H. Increasing the protein content of whey through fermentation. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:23-30. 1966. 44.9 W27
- 35180 AMUNDSON, C. H. Spray dried butter. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:65-71. 1966. 44.9 W27
- 35181 ASHTON, T. R. Advances in milk processing and distribution. Dairy Ice Cream Indus. Dir. 1965:5-14. 225 B92
Great Britain.
- 35182 ASHTON, T. R. Ultra-high heating and infection-free bottling of milk. (Ge) Schweiz. Milchzeitung 92(98):782-784. Dec.9, 1966. 44.8 Sch92
- 35183 BEAHM, R. B. Continuous standardization using liquid blending equipment. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:111-119. 1966. 44.9 D1482
- 35184 BEAHM, R. B. Product level control development. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:107-110. 1966. 44.9 D1482
- 35185 BELL, C. H. The profit that cleanliness brings. Farmers' J. (n.s.):5(4):41. Nov.1, 1965. 10 F2234
Milk sanitation in Northern Ireland.
- 35186 BENGTSSON, G. Automation in dairy plants. (Ge) Molk.-Kaserei-Zeitung 17(27):1147-1148. 1150-1152. July 6, 1966. 44.8 M736
- 35187 BERG, J. C. T. VAN DEN. Dried milk production in the Netherlands. (Ge) Molk.-Zeitung Welt Milch 20(32):1029-1031. Aug.12, 1966. 44.8 M735
Industry.
- 35188 BHATTI, M. B., SATTAR, A., and CHOUDHARY, M. R. Studies on the preparation and storage stability of orange-flavoured-milkshake. Agr. Pakistan 16(4):485-492. Dec. 1965. 22 Ag832
- 35189 BOCKELMAN, I. VON. On old cheese at pear time. (Sw) Var Naring 43(9):253. 1966. 44.8 M692
History of cheese.
- 35190 BRISSENDEN, C. H., and SHEPHEARD, G. E. Refrigeration in the dairy industry. Nat. Fed. Cold Storage Ice Trades. Year Book 1967:20-34. 295.9 N217
- 35191 BUCHWALD, B. Situation of cream ripener technique. (Ge) Molk.-Kaserei-Zeitung 17(23):860-862,864-866. June 8, 1966. 44.8 M736
- 35192 BUCHWALD, B. Problems of milk plant automation. (Ge) Molk.-Kaserei-Zeitung 18(3):63-66. (Cont.) Jan.18, 1967. 44.8 M736
- 35193 BUCHWALD, B. Problems of milk plant automation. (Ge) Molk.-Kaserei-Zeitung 18(4):100-103. (Cont.) Jan.25, 1967. 44.8 M736
- 35194 BYRE, O. Some investigations on the efficiency of whey skimming. (No) Meieriposten 55(50):1065-1072; (51):1087-1090. Dec.17-24, 1966. 44.8 M47
Whey fat content in cheese manufacture.
- 35195 CLARK, H. O. Avoid agitation, foam; cool milk promptly. Dairy Herd Manage. 3(1):38-39. Jan. 1967. SF191.D3
Effects of handling on the flavor of the milk.
- 35196 DAIRY ENGINEERING CONFERENCE, 14. EAST LANSING, MICH., 1966. Proceedings of the annual conference. n.p., 1966. 133 p. 44.9 D1482
Sponsored by Departments of Agricultural Engineering and Food Science, Michigan State University.
- 35197 DLISTRA, H. Dairy preparation on the farm (postscript). (Du) Landbouwkundig Tijdschr. 78(12):412. Dec. 1966. 105.2 Or3
Reply to article by J. J. de Groot; includes costs.
- 35199 ELLNER, S., and ELLNER, G. E. Ultraviolet water purification in the dairy industry. Milk Dealer 56(4):M7-M8. Jan. 1967. 44.8 M595
- 35199 ERNSTROM, C. A. Continuous Cottage manufacture without culture. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:107-112. 1966. 44.9 W27
- 35200 ERNSTROM, C. A. Important factors in the manufacture of quality Cottage cheese. Wash. State Univ. Inst. Dairying. Proc., 33d Inst.:113-120. 1966. 44.9 W27
- 35201 FARRALL, A. W., SELMAN, R. L., and HAURAHAN, F. P. Estimated cost of producing foam spray dried whole milk powder. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:129-133. 1966. 44.9 D1482
- 35202 FISCHER, L. H-milk has reached the goal set. (Ge) Raiffeisen-Rundschau 19(1):26-27. Jan. 1967. 284.28 R132
- 35203 GENIN, G. Drying by lyophilization and its application to dairy products. (Fr) Lait 46 (459/460):621-630. Ref. Nov./Dec. 1966. 44.8 L143
- 35204 GROSSMANN, U., and FROELICH, M. A new uperization system for ultra-high sterilization. (Ge) Molk.-Zeitung Welt Milch 20(36):1150-1151. Sept.9, 1966. 44.8 M735
Switzerland.
- 35205 HARTIG, J. Thoughts on automation. (Ge) Molk.-Zeitung Welt Milch 20(36):1144-1145. Sept.9, 1966. 44.8 M735
- 35206 HEIBER, J. Keepable butter; dried butter, a new water-free plastic dairy product stable at low temperature. (Ge) Molk.-Zeitung Welt Milch 20(49):1537-1538. Dec.9, 1966. 44.8 M735
- 35207 HESSELTINE, W. R. Growth of soft serve. Ice Cream Rev. 50(5):43. Dec. 1966. 389.8 Ic22

- 35208 HOLLAND, R. F. Research and development needs of the dairy industry. *Amer. Dairy Rev.* 29(1):56,62-64. Jan.1967. 44.8 Am38
- 35209 HORAN, J., and HEDRICK, T. I. The MSU aseptic process. *Nat. Dairy Eng. Conf. Proc.*, 14th Annu. Conf.:124-128. 1966. 44.9 D1482
- 35210 HOURAN, G. A. Use of the bactofuge unit. *Nat. Dairy Eng. Conf. Proc.*, 14th Annu. Conf.:53-56. 1966. 44.9 D1482
- 35211 HOWEY, R. I. Refrigeration—a vital factor in the dairy industry. *Australian Refrig. Air Cond. Heating* 20(12):28-30,52. Dec.1966. 295.8 R255
- 35212 ISMAIL, A. A., and SIRRY, I. Technological aspects of butter made from cows' and buffaloes' milk. *Alexandria J. Agr. Res.* 13(2):161-173. Ref. July 1965. 24 AL2
- 35213 JAMOTTE, P. The use of frozen creams in butter manufacture. *(Fr) Rev. Lait. Franc.* 237:656-662. Nov.1966. 44.8 In2
- 35214 JANZEN, J. J., ROWLAND, J. A., and CHILDRESS, W. P. "Surface stripping" Blue cheese mechanically. *Manufactured Milk Prod. J.* 57(7):6-7. July 1966. 286.85 B95Bu
- 35215 JOOST, K. Sour milk. *(Sw) Var Naring* 43(1):13. 1966. 44.8 M92
- 35216 KAMMERLEHNER, J. The use of paste machines for the handling of soft cheeses. *(Ge) Molk.-Zeitung Welt Milch* 20(41):1312,1314. (Cont.) Oct.14,1966. 44.8 M735
- 35217 KAMMERLEHNER, J. The use of paste machines for the handling of soft cheeses. *(Ge) Molk.-Zeitung Welt Milch* 20(42):1340,1342. (Cont.) Oct.21,1966. 44.8 M735
- 35218 KAMMERLEHNER, J. The use of paste machines for the handling of soft cheeses. *(Ge) Molk.-Zeitung Welt Milch* 20(43):1364-1366. (Cont.) Oct.28,1966. 44.8 M735
- 35219 KAMMERLEHNER, J. The use of paste machines for the handling of soft cheeses. *(Ge) Molk.-Zeitung Welt Milch* 20(44):1392-1394. (Cont.) Nov.4,1966. 44.8 M735
- 35220 KAMMERLEHNER, J. The use of paste machines for the handling of soft cheeses. *(Ge) Molk.-Zeitung Welt Milch* 20(46):1451-1453. (Cont.) Nov.18,1966. 44.8 M735
- 35221 KASTLI, P. Basic thoughts on dairy research. *(Ge) Agrarpolit. Rev.* 23(1/2):34-38. Sept./Oct.1966. 281.8 Ag824 Switzerland.
- 35222 KELLERMANN, R. Proposal for increasing the heating temperature in short-time heating of drinking milk. *(Ge) Molk.-Zeitung Welt Milch* 20(48):1516-1517. Dec.2,1966. 44.8 M735
- 35223 KLOTZEK, L. M., and LEEDER, J. G. Effect of high second-stage homogenization and added salts. *Ice Cream Rev.* 50(5):26-29. Ref. Dec. 1966. 389.8 Ic22
- 35224 KOCH, and KOHNERT. H-milk, what is it? *(Ge) Molk.-Kaserei-Zeitung* 17(43):1772. Oct.26,1966. 44.8 M736
- 35225 LANDHEER, J. D. Costs, national and international. III. Cost placement in the cheese factory. *(Du) Ned. Zuivelbond. Offic. Orgaan* 58(35):761-762. Aug.31,1966. 44.9 AL3
- 35226 LANG, A. Sterile processing in the dairy industry. *Food Technol. Australia* 19(3):120-121. Dec.1966. 389.8 F7333
- 35227 Ultra-high-temperature sterilized milk. LEFTER, D., and MOLDOVAN, E. Homogenizing the milk and dairy products. *(Rum) Indus. Aliment.* 17(6):309-312. June 1966. 389.8 In26 English summary.
- 35228 LINDSAY, R. C., DAY, E. A., and SATHER, L. A. Preparation and evaluation of butter culture flavor concentrates. *J. Dairy Sci.* 50(1):25-31. Ref. Jan.1967. 44.8 J822
- 35229 LOMBARD, S. H. Cream cheese. *Dairy Indus. J. Southern Afr.* 6(3):120-121,123,125,127,129,131. Ref. July/Sept.1966. 44.8 D1428
- 35230 Methods of processing. LUNDAHL, G. Developments in continuous churning. *Nat. Dairy Eng. Conf. Proc.*, 14th Annu. Conf.:57-60. 1966. 44.9 D1482
- 35231 MATTSOON, R. Instruction in dairying in the Soviet Union. *(Sw) Mejeritidskrift* 28(4):128-132. Aug.1966. 44.8 M472
- 35232 MAUBOIS, J. L., and MOCQUOT, G. How to bring back to the same dry matter content cheese manufacturings with a view to comparing the respective "yields" of milk in cheese. *(Fr) Rev. Lait. Franc.* 239:15-18. Jan.1967. 44.8 In2
- 35233 MOCQUOT, G. La Station Centrale de Recherches Laitieres de Jouy-en-Josas [Central Station for Dairy Research at Jouy-en-Josas]. *(Fr) Tech. Lait.* 523:9,10,11. July 1, 1966. 44.8 Of2
- 35234 MORRIS, T. A. Making cheese in the home. *Queensland Agr. J.* 92(10):633-634. Oct.1966. 23 Q33
- 35235 MOULTHROP, M. J. Storage tanks for milk—trends and developments. *Nat. Dairy Eng. Conf. Proc.*, 14th Annu. Conf.:72-79. 1966. 44.9 D1482
- 35236 MROZEK, H. The requisites for successful sanitation. *(Ge) Molk.-Zeitung Welt Milch* 20(26):843-848,850. Ref. July 1,1966. 44.8 M735
- 35237 MULLER, F. J. 75° C—a backward step, or hygienic milking as a weapon against the bad effects of sterilization. *(Ge) Molk.-Kaserei-Zeitung* 18(3):59-60. Jan.18,1967. 44.8 M736
- 35238 MULLER, K. Plate apparatus in the future dairy plant. *(Ge) Molk.-Zeitung Welt Milch* 20(26):855-859. July 1,1966. 44.8 M735
- 35239 NEITZKE, A., DELFS, H., and BREHM, K. P. Economic problems of skimmed milk drying. *(Ge) Molk.-Kaserei-Zeitung* 17(33):1331-1336. (Cont.) Aug.17,1966. 44.8 M736 Costs.
- 35240 NEITZKE, A., DELFS, H., and BREHM, K. P. Economic problems of skimmed milk drying. *(Ge) Molk.-Kaserei-Zeitung* 17(34):1359-1363. Aug.34,1966. 44.8 M736 Costs.
- 35241 NELSON, K. E. Freeze-dried ice cream flavoring products. *Wash. State Univ. Inst. Dairying. Proc.*, 33d Inst.:101-106. 1966. 44.9 W27
- 35242 OSTROUMOV, L. Details for the fabrication of cheese without crust. *(Fr) Tech. Lait.* 528/529:16-17. Oct.20/Sept.5,1966. 44.8 Of2
- 35243 PALMER, K. L. Automatic factory is most modern in world. *New Zeal. J. Agr.* 113(4):41. Oct.1966. 23 N48J
- 35244 For butter manufacture. PARAU, D. Milk production and expedient handling of milk after milking on the farm. *(Ge) Molk.-Zeitung Welt Milch* 20(37):1174-1178,1180-1182. (Cont.) Sept.16,1966. 44.8 M735
- 35245 PERRY, R. S. Personal hygiene, requisite in dairy factories. *S. Australia J. Agr.* 70(3):85-88. Oct.1966. 23 So84
- 35246 PETROV, N. Development of the milk-canning industry. *U. S. Joint Publ. Res. Serv. Transl. USSR. Consum. Goods Dom. Trade* 164:36-42. Jan.3,1967. (JPRS 39,379; TT 67-30030) 173 J633Tro
- 35247 Translation from Molochnaya Promyshlennost' 11:4-7. 1966. Issued by CFSTI.
- 35248 PORTMANN, A., and others. Frozen storage of goat's milk curds? *(Fr) Tech. Lait.* 537:14-18. Nov.20,1966. 44.8 Of2
- 35249 P. Vedrenne, L. Vassila, P. Duguet, and L. Garboudet, joint authors. POULSEN, N. Improvement of the spreadability of butter. *(Ge) Molk.-Kaserei-Zeitung* 17(30):1247-1248. July 27,1966. 44.8 M736
- 35250 ROBERTSON, P. S. "Large hoop" pressing of Cheddar cheese; an ideal system for small factories. *Dairy Indus.* 32(1):32-36. Jan.1967. 44.8 D1427
- 35251 SEEHAFFER, M. E. Sterilized milk concentrate—past, present and future. *Wash. State Univ. Inst. Dairying. Proc.*, 33d Inst.:91-99. 1966. 44.9 W27

- 35251 SEELEMAN, M. Cooling and delivery of milk with special reference to twice-daily delivery. (Ge) Molk.-Zeitung Welt Milch 20(49):1543-1546. Dec.9,1966. 44.8 M735
- 35252 SEELEMAN, M. The cooling and twice-daily delivery of milk. (Ge) Molk.-Zeitung Welt Milch 20(39):1241-1242. Sept.30,1966. 44.8 M735
- 35253 SEIBERLING, D. A. Analyzing the total plant cleaning problem. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:95-97. 1966. 44.9 D1482
- 35254 STAHL, P. Continuous buttermaking equipment. Nat. Dairy Eng. Conf. Proc., 14th Annu. Conf.:61-66. 1966. 44.9 D1482
- 35255 STORGARDS, T. The preparation and marketing of Swedish fermented milk beverages. (Ge) Molk.-Zeitung Welt Milch 20(26):851-852. 854. July 1,1966. 44.8 M735
- 35256 TONSHOFF, E. Homogenize-why? (Ge) Deut. Molk.-Zeitung 87(51/52):2140. Dec.22, 1966. 44.8 Su2
- 35257 TUROWSKI, H. The modern cheese factory. (Ge) Molk.-Zeitung Welt Milch 20(41):1303-1304,1306. Oct.14,1966. 44.8 M735
- 35259 TUROWSKI, H. Use of new procedures in cheese manufacture. (Ge) Molk.-Kaserei-Zeitung 17(31):1275-1277. Aug.3,1966. 44.8 M736
- 35259 VASSAL, L., and MOCQUOT, G. Accelerated lactic fermentation in cheese making thanks to the use of a higher number of bacteria. (Fr) Tech. Lait. 22(541):9-11,13. Jan.1,1967. 44.8 O12
- 35260 VASSAL, L., and AUCLAIR, J. The use of refrigerated milk in farm tanks for cheese manufacture. I. Manufacture of soft-paste cheeses. (Fr) Rev. Lait. Franc. 237:666-673. Ref. Nov.1966. 44.8 In2
- 35261 WEIGT, O. The present situation of butter manufacture. (Ge) Molk.-Zeitung Welt Milch 20(41):1297-1298,1300,1302. Oct.14,1966. 44.8 M735
- 35262 WITTING, O. Sterile milk. (Sw) Mejeritidskrift 28(4):133-137. Aug.1966. 44.8 M472
- 35263 ZOLLIKOFER, E. Economic and technical conditions in Swiss Emmental cheese manufacture. (Ge) Agrarpolit. Rev. 23(1/2):52-54. Sept./Oct.1966. 281.8 Ag824
- Statistics
- 35264 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Viehwirtschaft. II. Milch, Dezember und Jahr 1965 [Livestock economy. II. Milk, December and year 1965]. Stuttgart, 1966. 9 p. (Land- und Forstwirtschaft, Fischerei, Reihe 3) 265 G318V1
- 35265 NEW YORK (STATE) CROP REPORTING SERV. ALBANY, 1966. Statistics relative to the dairy industry in New York State, 1965. Nov.1966. 34 p. 1.941 S88t2
- Statistical Reporting Service of U. S. Department of Agriculture and New York State Department of Agriculture and Markets, cooperating.
- 35266 VOLKL, H., and LEHMANN, F. Preliminary results of the census on the structure of the dairy industry in the Federal Republic. (Ge) Molk.-Kaserei-Zeitung 17(51/52):2033-2036. 2038-2042. Dec.21,1966. 44.8 M736
- FEED AND FORAGE CROPS
- 35267 BEK MARYARI, V. E. Preparing alfalfa wafers under high pressure. (Rus) Visshe Selskostonanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):411-418. 1965. 106.3 P72
- German summary.
- 35268 BERKNESS, N. The pet food industry. Poultry Egg Further Process. Conf. [Proc.] 1965:1-5. 280,3479 N47
- 35269 BOLTON, J. L. Trends in forage crop acreages in Canada. Forage Notes [Ottawa] 11(1): 2. Spring 1965. 60.8 F742
- 35270 CARRANZA MARQUEZ, M., and JIMENEZ CASTANEDA, J. Contribution to fish technology; obtaining odorless fishmeal. (Sp) Soc. Quim. Peru. Bol. 32(2):85-90. June 1966. 385 So15
- 35271 CEDLER, Z. On quality of potatoes used for industrial fattening in Wrocław Province. (Pol) Gosp. Miesna 18(7):13. July 1966. 50.8 G69
- Grading.
- 35272 DELBECK, F. Die künstliche Trocknung in ihrer Auswirkung auf die Futterwirtschaft und der Einsatz von künstlich getrocknetem Futter in der Futterungspraxis [Artificial drying in its effects on the feed economy and the use of artificially dried forage in feeding practice]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 8. 104 p. 1965. 105.8 B644
- Bibliography: p.100-104.
- 35273 DIRECTORY of analytical laboratories for feeds and feedstuffs. Merck Agr. Memo 37:2A-2D. Nov.1966. 41.8 M53
- 35274 ELSER, P. High pressure conveyance. (Ge) Mühle 103(44):729-730. Nov.3,1966. 298.8 M89
- Feed.
- 35275 ERIKSSON, S. Agriculture in the sixties: Will pelleting become the feed preservation method of the future? (Sw) Jord Skog 17(10):18-19. 1965. 58.8 M373
- 35276 FRIEDRICH, W. Mixed goods, a dependent quantity of physical and technological properties. (Ge) Mühle 103(49):797-800. Ref. Dec.8, 1966. 298.8 M89
- Feed.
- 35277 FRITSCH, E. Feed raw materials and the preservation of their valuable properties in feed plant storage. (Ge) Mülerei 19(51/52, i.e.52/53):788-789. Dec.24,1966. 298.8 M91
- 35279 FROLIK, J. Production of sugar beet meal from sugar beets for feeding. (Cz) Statni Statky 8(10):156-157. 1965. 19.5 St2
- 35279 JONSSON, E., and others. Purchase of prepared feed or home mixing? (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1965:148-162. 11 Sw34
- M. Lagervall, C. Thomer, I. Hultstrom, and O. Samuelsson, joint authors.
- 35280 KERÉKES, GY. Storage losses and primary costs of forages. (Hu) Magyar Mezogazdasag 22(1):15. Jan.4,1967. 19 M27
- 35281 KLUG, A. Innovations in the steaming of feed potatoes. (Ge) Feldwirtschaft 7(8):414-416. Ref. Aug.1966. 18 W763
- 35282 LINDSTROM, T. New methods for processing of roughage. (Sw) Norrbottens Lantmannabl. 1:10-13. Jan./Feb.1966. 11 N792
- 35283 MITCHELL, R. L., and REITH, J. W. S. The lead content of pasture herbage. J. Sci. Food Agr. 17(10):437-440. Ref. Oct.1966. 382 So12
- 35284 NELSON, L. F. Spontaneous heating and nutrient retention of baled alfalfa hay during storage. Amer. Soc. Agr. Eng. Trans. ASAE 9(4): 509-512. Ref. 1966. 290.9 Am32T
- 35285 NOWATZYK, H. Feed concentrate works centralized or decentralized? (Ge) Mühle 103(25): 426. June 23,1966. 298.8 M89
- 35286 PADBERG, D. L. The mixed feed industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.266-286. Ref. 1966. HD9005.M6
- Marketing.
- 35287 PETRESCU, C., and STAVRI, J. Evaluation of proteins of the main feed resources utilized in the industry of concentrated feed. (Rum) Bucharest, Inst. Cercet. Zooteh. Lucrarile Stiint. 24:5-22. Ref. 1966. 49.9 R86L
- English summary.
- 35289 PFOST, H. B. Statistical rules and their importance for feed mixing. (Ge) Mühle 103(31): 517-519. Ref. Aug.4,1966. 298.8 M89
- 35289 RESTORI, R. The estimation of the cost of products in the feed industry. (It) Tec. Molitoria 17(6):177-181. Apr.30,1966. 298.8 Se42
- 35290 ROBERTS, D. E., and PFOST, H. B. Correlation of two methods of testing feed pellets. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):587. 1966. 290.9 Am32T
- Durability tests.

- 35291 RUMSEY, T. S. Quantitative measurement of metabolic acids in forage, silage, and ruminal fluid by gas-liquid chromatography. Diss. Abstr., Sect. B, 27(1):86B. July 1966. Z5055.U49D53
- 35292 SAMBETH, W. Beitrag zu methodischen Fragen der Biologischen Proteinbewertung mittels Albinoratten, aufgezeigt am Sojaextraktions-schrot [Contribution to problems of method in biological evaluation of proteins with albino rats, illustrated with soybean extraction meal]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 21, 142 p. 1964. 105.8 B644
Bibliography, p.120-140.
- 35293 STEIN, E. Automation in molasses adding. (Ge) Deut. Muller-Zeitung 64(20):492,494-495. Oct.6,1966. 298.8 Su2
To feed.
- 35294 STICHTING C.L.O.-CONTROLE. Jaarverslag, 32e boekjaar—1 Juli 1965—30 Juni 1966 [Annual report of the Institute C.L.O.-Control, 32d fiscal year, July 1, 1965 to June 30, 1966]. Arnhem, 1966. 101 p. 280.29 C7696
Feed.
- 35295 TONEV, M. Experiments for the thermal disinfection of feed flours, Salmonella contaminated. (Bu) Vet. Med. Nauk. 3(8):885-891. Ref. 1966. 41.8 V6468
English summary.
Ground bone flour.
- 35296 TOTH, A. Testing the factors influencing optimal mixing duration and effect. (Ge) Muhle 103(38):634-635. (Cont.) Sept.22,1966. 298.8 M89
Feeds.
- 35297 TOTH, A. Testing the factors influencing optimal mixing duration and effect. (Ge) Muhle 103(39):647. (Concl.) Sept.29,1966. 298.8 M89
Feeds.
- 35299 WILLIAMS, J. N., MILLER, W. M., and BURNS, J. D. How good is your feed? Tenn. Univ. Ext. Publ. 553,12 p.-folder. Nov.1966. 275.29 T25
- FIBERS AND TEXTILES**
- 35299 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. PIEDMONT SECT. Seminar ranges from irradiation finishing to catalysts for crosslinking. Textile Bull. 93(1):46-51. Jan.1967. 304.8 So82
Highlights of papers.
- 35300 ANDERSON, C. A., and WOOD, G. F. Aqueous jet scouring of raw wool. IV. Time, temperature, and concentration effects with various detergent systems. Textile Inst. J. 57(12):T545-T550. Dec.1966. 73.9 T31
- 35301 BISWAS, A. C. Micrococci involved in the retting of jute. Agr. Pakistan 16(2):155-158. Ref. June 1965. 22 Ag832
- 35302 BONDAREVA, A. G. Reducing time for retting. (Rus) Len Konoplya 12:33-34. 1966. 73.8 L542
Hemp.
- 35303 BROWN, J. J., and RUPPENICKER, G. F. Research progress on crosslinked cotton strength yarns and fabrics. U. S. Agr. Res. Serv. ARS-72-41:54-55. Nov.1965. A381 R31
Stretch-type.
Discussion, p.57-61.
- 35304 BUCK, G. S. Past, present, and future, of all cotton durable press. Textile J. Australia 41 (11):18,20,25-26. Nov.1966. 304.8 T3134
- 35305 CARDING speed increases. Textile Indus. 131 (1):77-78. Jan.1967. 304.8 C823
- 35306 CHABERT, B. Application of infrared rays in the application of urea-formol resins to native cellulose. (Fr) Inst. Textile France. Bull. 20 (126):781-790. Sept./Oct.1966. 304.8 T3145
English summary.
Cellulose fibers.
- 35307 CLEMONSON UNIVERSITY. EXTENSION SERV. Micronaire, a cotton fiber quality factor. Clemson Univ. Ext. Cotton Leaflet. 5,4 p. Oct. 1966. 275.29 So86C
- 35309 CLEMONSON UNIVERSITY. EXTENSION SERV. South Carolina quality cotton; cotton gin quality standards. Clemson Univ. Ext. Cotton Leaflet. 4,8 p.-folder. Aug.1966. 275.29 So86C
- 35309 COOPERATIVA ALGODONERA SALVADO-RENA. Memoria, ejercicio XXV, cosecha 1965-66 [Report XXVth season, 1965/66 crop]. San Salvador, 1966. 21 p. 280.2729 C78M
- 35310 COTTON UTILIZATION RESEARCH CONFERENCE, 4, NEW ORLEANS, LOUISIANA, 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-41,68 p. Ref. Nov.1965. A381 R31
Sponsored by the Southern Utilization Research and Development Division, U. S. Agricultural Research Service.
Including remarks by G. E. Goheen and O. Goedecke, and discussion of papers.
- 35311 DORSET, B. C. M. Stretching: an important factor in crease-resist finishing. Textile Manufacturer 92(1104):503-510. Dec.1966. 304.8 T3126
Cotton fabrics.
- 35312 EARLS, J. Flax—a future or a failure. Farmers' J. (n.s.) 5(2):39-40. Sept.3,1965. 10 F2324
Northern Ireland.
- 35313 EBERT, G. Possibilities of using differential calorimetry for analysis of keratin fibers. (Ge) Melliand Textilber. 48(1):87-90. Ref. Jan.1967. 304.8 T312
- 35314 ELOFF, M. C. Brief historical and descriptive summary of sheep. 2. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12(141):344,346-347. Sept.1966. 9 So17
Wool structure and properties.
- 35315 ENGLISH, W. The influence of winding on twist in yarns. 2. Textile Manufacturer 92 (1104):480-484. Dec.1966. 304.8 T3126
- 35316 FLANAGAN, G. F. Felting mechanisms and feltmaking. Textile J. Australia 41(11):15-16. Nov.1966. 304.8 T3134
- 35317 FOUCHS, L. R. Price and competition may curb Mexican henequen output. Foreign Agr. Inc. Foreign Crops Markets 5(5):11-12. Jan.30,1967. A281.9 F76Fo
- 35318 FOWLER, M. L. The cotton industry. In: Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.287-323. 1966. HD9005.M6
Chiefly marketing.
- 35319 FREELAND, G. N., and I EEDER, J. D. Rapid measurement of crease angles. Textile Inst. J. 57(12):T584-T586. Dec.1966. 73.9 T31
- 35320 GETZ, P. A. Nation-wide wool marketing. Amer. Coop. 1966:470-474. 280.29 Am3A
Cooperative.
- 35321 GUHA, S. R. D., PANT, P. C., and SINGH, S. P. Chemical pulps for writing and printing papers from Guatemala grass (Tripsacum laxum Nash. Indian Forest. 92(11):684-686. Nov. 1966. 99.8 In2
- 35322 HADWICH, F. Limit of control in the Pressley test. (Sp) Cent. Algodonero Nac. Circ. Inform. 66:26-33. Nov./Dec.1966. 281.3729 C33
For cotton.
- 35323 HEINTZE, E. F. Non-woven fabrics on the market. (Ge) Z. Gesamte Textil Indus. 68(8): 572-578. Aug.1966. 304.8 D485
- 35324 HICKMAN, J. O. The role of cooperatives in wool promotion. Amer. Coop. 1966:475-480. 280.29 Am3A
- 35325 HOLAWAY, D. Multi-state wool marketing. Amer. Coop. 1966:464-469. 280.29 Am3A
North Central Wool Marketing Corporation.
- 35326 HOWE, J. R. Facts about permanent press. Kads. State Univ. Ext. C-373,8 p.-folder. Nov. 1966. 275.29 K13Ex
- 35327 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All India final estimate of cotton, 1965-1966. New Delhi, 1966. 3 p. 269.5 Ec74Ac
- 35328 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of sannhemp (fibre), 1965-66. New Delhi, 1966. 2 p. 269.5 In2Ain
- 35329 JONES, G. Methods for estimating cortical differentiation in wool. Textile Inst. J. 57(11): T539-T541. Nov.1966. 73.9 T31
- 35330 KINAPENNE, A. I. V. J. Observations on carding. I. (Ge) Melliand Textilber. 48(1):15-22. Jan.1967. 304.8 T312

- 35331 LANG, W. R., and CAMPBELL, W. K. The fatigue of wool fibres under repetitive flexing. Textile Inst. J. 57(12):T581-T584. Ref. Dec. 1966. 73.9 T31
- 35332 LAWRENCE, M. J. The wool manufacturing industries in Hong Kong. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(3):152-162. July 1966. 281.9 Au73
- 35333 LEBEDEV, V. B. World statistics. (Rus) Len Konoplya 12:35. 1966. 73.8 L542 Flax.
- 35334 MACIEJEWSKA, M. The structure and chemical composition of wool with a special reference to gamma-keratose. (Pol) Poznan. Wyzsza Szkola Roln. Roc. 24:275-303. Ref. 1965. 106.2 P872 English summary.
- 35335 MCCASKILL, O. L., and MOORE, V. P. Elimination of lint fly; a progress report. Cotton Gin Oil Mill Press 67(27):5.7. Dec.31,1966. 304.8 C822 Cause of air pollution.
- 35336 MCMORRAN, H. Testing the strength of single fibres. Textile Manufacturer 93(1105):14-15. Jan.1967. 304.8 T3126
- 35337 MEZYNSKI, P. R. Mechanical and electrical separation of despined cockleburrs from mechanically delinted cottonseed. Diss. Abstr., Sect. B, 27(5):1341B. Nov.1966. Z5055.U49D53
- 35338 MORRIS, M. A. Effect of weathering on cotton fabrics. Calif. Agr. Exp. Sta. Bull. 823,29 p. Ref. June 1966. 100 C128 Agricultural Experiment Stations of California, Colorado, Nevada, New Mexico, Oregon, and Utah, cooperating.
A Western Regional Research Publication.
- 35339 NUDING, H. The spinning of chemical fibers. (Ge) Melliand Textilber. 48(1):5-9. Jan.1967. 304.8 T312 Includes cellulose fibers.
- 35340 ORWELL, R. L., DATYNER, A., and NICHOLLS, C. H. Disulphide bond breakdown in wool during high-temperature steam treatments. Soc. Dyers Colour. J. 82(12):441-446. Ref. Dec.1966. 306.9 S01
- 35341 PONTING, K. G. Future trends in wool textile research. Textile Manufacturer 93(1105):16-18. Jan.1967. 304.8 T3126 Includes spinning.
- 35342 SADEK, S. E., SEHLEY, A. H. A., and SHEHATA, M. Uses and accuracy of cotton spinning test on 40 gram samples in Egyptian cotton. Agr. Res. Rev. 44(1):75-82. Jan.1966. 24 Eg94
- 35343 SESHADRI, S. Spinning work loads. Textile Indus. 131(1):62-67. (Cont.) Jan.1967. 304.8 C823 India.
- 35344 SHAFIK, M. T., KANSOUH, A. S., and EL-KHISHEN, S. A. The separation and determination of DDT and Tedion using columnar chromatography. Alexandria J. Agr. Res. 13(2):61-67. July 1965. 24 AL2 Residues on cotton plants.
- 35345 SIMOR, P. Development and future of hackling. II. (Ge) Spinner Weber Textilveredlung 84(12):1351-1356. Ref. Dec.1966. 304.8 Sp41 Flax.
- 35346 SINITSYN, N. P. Considering quality of flax. (Rus) Len Konoplya 12:27-28. 1966. 73.8 L542 Grading.
- 35347 SMITH, E. B. Values of a local wool pool. Amer. Coop. 1966:461-463. 280.29 Am3A Northeast Montana Wool Pool.
- 35348 SOUTH AFRICAN WOOL COMMISSION. Statistical review of the South African wool clip, 1st July, 1965 to 30th June, 1966. n.p., 1966. 47 p. 281.3459 D93
- 35349 STERLING, J. Quality control and durable press. (Du) Tex 25(12):795-798. Dec.1966. 304.8 T3195
- 35350 STORY, L. F. Colouring agents reduce value of wool; practice now forbidden by law. New Zeal. J. Agr. 112(6):50-51. June 1966. 23 N48J
- 35351 TANIGUCHI, T. Man-made fibres and the changing textile industry. Textile Rec. 84 (1006):46-48,53. Jan.1967. 304.8 T311 Includes comparison with natural fibers in Japan.
- 35352 WATT, I. C., and MORRIS, R. Comparison of keratin cross-linked with benzoquinone and formaldehyde. Textile Inst. J. 57(9):T425-T427. Ref. Sept.1966. 73.9 T31 Wool.
- 35353 WHAN, R. B. Differences in the prices paid at auction for big and star lots of wool sold in Sydney. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(4):186-192. Oct.1966. 281.9 Au73
- 35354 WILSON, D. W. Guidelines for organizing and operating wool marketing pools. U. S. Farmer Coop. Serv. Educ. Circ. 31,22 p. Jan.1967. A280.29 F22Fc
- 35355 WOLFRAM, L. J., and LENNHOFF, M. The effect of chemical treatment on the tensile properties of keratin fibers. Textile Inst. J. 57(12):T590-T591. Dec.1966. 73.9 T31
- FRUITS, VEGETABLES, AND NUTS
- 35356 BECHLER, W. The fruit juice industry in Lake Constance. (Ge) Fruchthandel 36:1413,1415-1416. Sept.9,1966. 286.83 F9428
- 35357 BLACK, W. E. Synthetics and substitutes—a grower challenge. Citrus Indus. 47(10):13-15. Oct.1966. 80 C49 Citrus juice.
- 35358 CONGDON, N. B. Fruit industry's fantastic increase in Hawke's Bay. Orchardist New Zeal. 39(11):443. Dec.1966. 80 Or19
- 35359 DASSLER, E. Fruits and porcelain. (Ge) Obst Gemuse 30(12):24. Dec.1966. 286.83 Ob72
- 35360 DASSLER, E. Italian peaches and German requirements. (It) Romagna Agr. Zootec. 51(8):295-309. Aug.1963. 16 R66 Industry and trade.
- 35361 GAUER, V., and ANIKIEW, A. Increasing production of potatoes. (Rus) Kartofel' Ovoshchi 10:8-11. Oct.1966. 75.8 K147 Potato industry in Latvia.
- 35362 GAYFORD, G. W. The Victorian fruit industries. I. J. Agr. [Melbourne] 64(11):486-493. Nov.1966. 23 V66J Includes statistics.
- 35363 HARBISON, H. S. The National Junior Horticultural Association. Amer. Coop. 1966:530-531. 280.29 Am3A
- 35364 KRAUSE, H. Marmelade industry in the year 1966. (Ge) Indus. Obst-Gemuseverwertung 51(24):760-764. Dec.15,1966. 389.8 K832
- 35365 KRAUSE, H. 1966, backward and forward look. (Ge) Indus. Obst-Gemuseverwertung 51(24):738-742. Dec.15,1966. 389.8 K832
- 35366 MEYER, G. A hot iron seized in the economic sense; stronger influencing of production and marketing of fruit and vegetables indispensable. (Ge) Raiffeisen-Rundschau 18(7):283-285. July 1966. 284.28 R132 In relation to the position of cooperatives.
- 35367 MEYER, G. Pessimism for German fruit and vegetable production. (Ge) Raiffeisen-Rundschau 18(9):260,362-363. Sept.1966. 284.28 R132 In relation to the Common Market.
- 35368 POTEL, A. Crop outlook for fruit in France. (Ge) Fruchthandel 25:970-972. June 24,1966. 286.83 F9428
- 35369 RABIA, J. DE. Excellent prospects for Spanish oranges. (Ge) Fruchthandel 27:1033-1034. July 8,1966. 286.83 F9428
- 35370 RABIA, J. DE. Facts on the 1965/66 Spanish citrus season. (Ge) Fruchthandel 31:1196-1198. Aug.5,1966. 286.83 F9428
- 35371 RASSCO PLANTATIONS LTD. Annual report and balance sheet, 1964. Tel Aviv, 1965. 20 p. HD9259.C54R3 Text in English and Hebrew.
Data on the citrus industry.

- 35372 REINKEN, The culture of mushrooms in the Rhein valley; development and outlook. (Ge) Champignon 6(59):7-9. July 1966. 80 C352
- 35373 SCHMID, W. Fruit production in Thurgau Canton. (Ge) Grune 94(41):1495-1498. Oct. 14, 1966. 17 Sch9
- 35374 SUURNAKKI, J. Resources for and development of potato production in the United States of America. (F) Terra [Helsinki] 77(4):150-160. map. 1965. 20 T272
English summary.
- 35375 TORRENS, R. C. Development of Africa's cashew industry hinges on mechanization. Foreign Agr. Incl. Foreign Crops Markets 4(45):17. Nov. 7, 1966. A281.9 F76Fo
Mechanized shelling.
- 35376 TRAXLER, H. A journey to Spain and Portugal to study their grape production. (Ge) Winzer (ser. 11) 21:204-206, 208-209. Nov. 1965. 95.8 W73
- 35377 WESTERN GROWERS ASSOCIATION. Year book. West. Grower Shipper 37(11), 126 p. Nov. 1966. 280.38 W52
- 35378 WINKLER, G. The cucumber year 1966—backward and forward look. (Ge) Indus. Obst-Gemüseverwertung 31(24):747-751. Dec. 15, 1966. 389.8 K832
- 35379 WINKLER, G. Fruit juice (sweet must) 1966—review of the situation. (Ge) Indus. Obst-Gemüseverwertung 31(24):754-760. Dec. 15, 1966. 389.8 K832
- 35380 WINKLER, G. Sauerkraut 1966. (Ge) Indus. Obst-Gemüseverwertung 31(24):751-754. Dec. 15, 1966. 389.8 K832
- 35381 WINTER, F. Lake Constance fruit production undergoing change. (Ge) Fruchthandel 36:1404-1405. Sept. 9, 1966. 286.83 F9428
Analysis and Composition
- 35382 AGARWAL, J. D., and DATE, W. B. Organic acids in fresh and canned apricots. J. Food Sci. Technol. [Mysore] 3(2):70. July 1966. 389.8 J823
- 35383 AHMAD, K. The relative amounts of the various components of the coconuts of East Pakistan. Agr. Pakistan 16(2):149-153. June 1965. 22 Ag832
- 35384 ALLISON, R. M. Soluble oxalates, ascorbic and other constituents of rhubarb varieties. J. Sci. Food Agr. 17(12):554-557. Ref. Dec. 1966. 382 So12
- 35385 BASKER, H. B. Presumptive specific gravity of concentrated citrus juices. J. Sci. Food Agr. 17(12):539-541. Dec. 1966. 382 So12
- 35386 BENK, E. On the composition of passion fruit juices with special reference to juice from Kenya. (Ge) Indus. Obst-Gemüseverwertung 52(1):1-3. Ref. Jan. 5, 1967. 389.8 K832
- 35387 BOCK, W., MATZ, J., and TAUFEL, K. The components of the triterpene fraction which can be isolated from dried apple pomace. (Ge) Nahrung 10(5):409-412. 1966. 389.8 N142
English summary.
- 35388 DAVIS, W. C. A study of sloughing in the potato tuber. Diss. Abstr., Sect. B, 27(1):73B. July 1966. Z5055.U49D53
During cooking.
- 35389 ENACHESCU, G., LOBL, D., and BREZEANU, D. Chemical composition of late tomatoes ripened after the harvesting. (Rum) Bucharest, Inst. Cercet. Horti-Viticol. Lucrari 86 R862
French summary.
- 35390 ENGST, R., SEIDLER, H., and HARTIG, M. On the behavior and distribution of ³²P marked methyl parathion in carrots (Daucus carota). 1-2. (Ge) Nahrung 10(5):413-425. Ref. 1966. 389.8 N142
English summary.
- 35391 HAMMERLE, J. R., and MOHSENIN, N. N. Some dynamic aspects of fruit impacting hard and soft materials. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):484-488. 1966. 290.9 Am32T
Testing of fruit during handling.
- 35392 HOLLO, J., LASZLO, E., and HOSCHKE, A. Biosynthesis of starches. VIII. Data on the fine mechanism of potato phosphorylase. (Ge) Starke 18(11):337-342. Ref. Nov. 1966. 309 St22
English summary.
- 35393 ILIE, C., and STANULESCU, C. Edible mushrooms and the chemical composition of some dried mushrooms. (Rum) Indus. Aliment. 17(6):318-320. June 1966. 389.8 In26
English summary.
Review of the literature.
- 35394 KAPP, P. P. Some effects of variety, maturity, and storage on fatty acids in fruit pericarp of Lycopersicon esculentum Mill. Diss. Abstr., Sect. B, 27(1):77B-78B. July 1966. Z5055.U49D53
- 35395 MAHADEVIAH, M., and SIDDAPPA, G. S. Proximate composition of Garcinia xanthochymus and methods of preserving the fruit. J. Food Sci. Technol. [Mysore] 3(2):69. July 1966. 389.8 J823
- 35396 NAKAMURA, T., SHO, S., and OGURA, Y. On the purification and properties of mushroom tyrosinase. J. Biochem. 59(5):481-486. Ref. May 1966. 385 J822
Agaricus bisporus.
- 35397 NAKAYAMA, Y., and IWASAKI, Y. Some properties of pectin methyltransferase (PM) in persimmon fruits. (Ja) Jap. Soc. Food Nutr. J. 18(6):440-443. Mar. 1966. 389.9 J27
English summary.
- 35398 NANJUNDASWAMY, A. M., and others. A note on proximate, mineral and vitamin composition of some important varieties of mangoes of Andhra Pradesh. Indian Food Packer 20(3):22-26. May/June 1966. 389.9 In25
L. Setty, A. Rahim, and G. S. Siddappa, joint authors.
- 35399 OKE, O. L. Chemical studies on some Nigerian foodstuffs—gari. Nature 212(5066):1055-1056. Dec. 3, 1966. 472 N21
Cassava product.
- 35400 PUSKI, G. The isolation and identification of flavonoid pigments in cranberries (Vaccinium macrocarpon, Ait.). Diss. Abstr., Sect. B, 27(5):1505B. Nov. 1966. Z5055.U49D53
- 35401 SCHUMACHER, D. Control in the manufacture of mixed vegetables. (Ge) Indus. Obst-Gemüseverwertung 51(24):774-776. Dec. 15, 1966. 389.8 K832
- 35402 SCHWARTZ, J. H., GREENSPUN, R. B., and PORTER, W. L. Chemical composition of potatoes. V. Further studies on the relationship of organic acid concentrations to specific gravity and storage time. Amer. Potato J. 43(10):361-366. Oct. 1966. 75.8 P842
- 35403 SWINGLE, H. D. The relation of pectic substances and starch to consistency and moistness of sweet potatoes. Diss. Abstr., Sect. B, 27(5):1351B. Nov. 1966. Z5055.U49D53
Consumption and Utilization
- 35404 CITRUS CHEMISTRY AND UTILIZATION CONFERENCE. Proceedings, Winter Haven, Florida, October 13, 1965. U. S. Agr. Res. Serv. ARS-72-51, 31 p. Ref. Sept. 1966. 1.932 A4Ab8
Sponsored by Southern Utilization Research and Development Division.
Summaries of statements.
- 35405 DUSSERT, J. L. French consumption of fresh fruits and market supply during the period of January through May. (Fr) France. Min. Agr. Bull. Tech. Inform. 210:445-449. June 1966. 14 F844B
Distribution, Marketing, and Transportation
- 35406 ARLITT, M. The German vegetable market. I. (Ge) Fruchthandel 25:961-963. June 24, 1966. 286.83 F9428
- 35407 ARLITT, M. The German vegetable market. II. (Ge) Fruchthandel 26:1000-1003. July 1, 1966. 286.83 F9428
- 35408 ARLITT, M. The German vegetable market. IV. (Ge) Fruchthandel 29:1130-1132. July 22, 1966. 286.83 F9428

- 35409 BRIXNER, F. The fronts have changed. (Ge) Fruchthandel 36:1406-1407. Sept.9,1966. 286.83 F9428
Fruit marketing.
- 35410 COOP, F. A. New paint on old fence? The framework of a merchandising program requires substance. Fresh Fruit Veg. Ass. Yearbook 1967:133-134. 280.3939 Un3
- 35411 DAVIS, J. F. Brokers blow their horn: United's Brokers Division moves to meet the needs of the times. United Fresh Fruit Veg. Ass. Yearbook 1967:241. 280.3939 Un3
Role of the brokers in the fruit and vegetable industry.
- 35412 DENZEL, A. Cold storage or autumn marketing—future problems of the Lake Constance fruit region. (Ge) Fruchthandel 36:1411-1413. Sept.9,1966. 286.83 F9428
- 35413 DILLMANN, E. Healthily ripened in a vacation climate. (Ge) Fruchthandel 36:1418-1420. Sept.9,1966. 286.83 F9428
Lake Constance apple advertising.
- 35414 EVANS, H. C. The apple processing industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.176-191, map. Ref. 1966. HD9005.M6
Chiefly marketing and prices.
- 35415 GRADY, J. P. Cooperative progress in citrus marketing. Amer. Coop. 1966:109-113. 280.29 Am3A
- 35416 HELLMANN, B. Lake Constance shipping trade has a tradition. (Ge) Fruchthandel 36:1407-1409. Sept.9,1966. 286.83 F9428
- 35417 HEVIN, R. Calendar of peach production in France and its incidence in the market. (Fr) France. Min. Agr. Bull. Tech. Inform. 211:555-560. July/Aug.1966. 14 F844B
- 35418 HOCHERL, H. New regulations for the fruit and vegetable market. (Ge) Obst Gemuse 30'(12):6-7. Dec.1966. 286.83 Ob72
European Economic Community.
- 35419 KAPLAN, J. M. Lessons from the vineyard. Amer. Coop. 1966:114-121. 280.29 Am3A
On the Welch Grape Juice Company.
- 35420 KELLQUIST, T. Green light for consumer information on vegetables. (Sw) Var Naring 43(9):256-257. 1966. 44.8 M692
Marketing and import chiefly.
- 35421 KLOTSCHER, T. The market organization for fruit and vegetables. (Ge) Fruchthandel 31:1190,1192-1194. Aug.5,1966. 286.83 F9428
- 35422 KOHNE, J. Supply of the Lake Constance fruit region. (Ge) Fruchthandel 36:1403-1404. Sept.9,1966. 286.83 F9428
- 35423 LAIB, K. The technique of commodity change on the wholesale market. (Ge) Fruchthandel 36:1409-1411. Sept.9,1966. 286.83 F9428
Lake Constance fruit.
- 35424 LINDBLAD, G. Quality of potatoes, fruit and vegetables. (Sw) Jord—Groda—Djur 23:135-147. 1966. 11 J763
In connection with marketing.
- 35425 MEYER, G. The fruit and vegetable market in upheaval. (Ge) Raiffeisen-Rundschau 18(10):506,508. Oct.1966. 284.28 R323
- 35426 MONGARDI, A. The problem of transportation of horticultural products. II. (It) Rass. Agr. Ital. 21(10):27-28. Oct.1966. 281.8 R18
- 35427 SANTA PAULA CITRUS FRUIT ASSOCIATION. 60th annual report, October 31, 1966. Santa Paula, California, 1966. 8 p. 280.2939 Sa5
- 35428 SAYOIE, P. Commercialization of fruit and vegetables. (Fr) Quebec Lait. Aliment 25(8):16-19. Aug.1966. 44.8 Q3
- 35429 SHERMAN, J. S. Problems and progress in marketing dry beans and peas cooperatively. Amer. Coop. 1966:326-329. 280.29 Am3A
- 35430 STEDMAN, G. Transportation rate changes for Florida fresh citrus fruit. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:34-38. 1966. 280.39 N213P
- 35431 STEINKAMP, A. Defend the market! (Ge) Ubersicht 17(10):778-782. Oct.8,1966. 18 Ub3
Text of an interview on BOGA, a vegetable marketing cooperative.
- 35432 STONE, J. Sales promotion among the Bantus. (Af) S. Afr. Citrus J. 394:19,21. Oct.1966. 80 C495
- 35433 TENNESSEE, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Fresh vegetable buying guide. Tenn. Univ. Ext. SP 148,chart. Aug.1965. 275.29 T25Sp
- 35434 U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring potatoes. U. S. Consum. Marketing Serv. AMG 53, 36 p. Nov.1966. A281.3919 M34
- 35435 U. S. CONSUMER AND MARKETING SERV. FRUIT AND VEGETABLE DIV. Marketing Florida vegetables; summary of 1966 season. Washington, 1966. 66 p.,map. aHD9247.F6A3
Florida Department of Agriculture, Division of Marketing, Marketing Bureau Section, co-operating.
Statistics; includes strawberries.

Grading, Inspection, Standardization, and Quality

- 35436 BEALE, W. L., HUNTER, D., and STEVENSON, F. J. Potato chip color reversion. Amer. Potato J. 43(10):355-360. Oct.1966. 75.8 P842
- 35437 BEDRITSKII, A. Improving quality and the standards of potatoes and vegetables. (Rus) Kartofel' Ovoshchi 10:42. Oct.1966. 75.8 K147
- 35438 CLEGG, K. M. Citric acid and the browning of solutions containing ascorbic acid. J. Sci. Food Agr. 17(12):546-549. Ref. Dec.1966. 382 Sol2
Citrus juice browning in storage.
- 35439 FRECHETTE, R. J., and ZAHRADNIK, J. W. Surface area-weight relationships for McIntosh apples. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):526-527. 1966. 290.9 Am32T
- 35440 GRIERSON, W., and VINES, H. M. Carambolas for potential use in gift fruit shipment. Citrus Indus. 47(10):5-6,26-27. Oct.1966. 80 C49
Keeping quality.
- 35441 JEPSEN, M. Deterioration of quality of apples and pears. (Da) Erhvervsfrugtavlaren 33(12):480-483. Dec.1,1966. 80 Er3
- 35442 KLOTSCHER, T. Use of E.E.C. quality standards for fresh fruit and vegetables on the domestic market. (Ge) Obst Gemuse 30(12):7, 9-10. Dec.1966. 286.83 Ob72
- 35443 KOPYTIN, V. Processing industry demands high quality of raw material. (Rus) Kartofel' Ovoshchi 10:5. Oct.1966. 75.8 K147
Potato starches.
- 35444 LECLERC, L. Problems of fruits and vegetables. (Fr) Quebec Lait. Aliment. 25(8):20-21. Aug.1966. 44.8 Q3
Inspection.
- 35445 LIST, D. State of knowledge on the occurrence and prevention of browning in fruit products. (Ge) Indus. Obst- Gemuseverwertung 51(53):730-732. Dec.1,1966. 389.8 K832
- 35446 LIST, D. State of knowledge on the occurrence and prevention of browning in fruit products. (Ge) Indus. Obst- Gemuseverwertung 52(1):20-21. (Cont.) Jan.5,1967. 389.8 K832
- 35447 MAHADEVIAH, M. Brown and pink discoloration in some processed fruit and vegetable products and their prevention. Indian Food Packer 20(3):5-9. Ref. May/June 1966. 389.8 In25
- 35448 MARGOTTI, G. Progress made from the point of view of quality standardization in fruits and vegetables. (Fr) Confed. Europe. Agr. Publ. CEA 33:281-290. 1966. 28 C763
- 35449 SOULE, C. C. Polish "blueberries" [Vaccinium myrtillus]. Maine. Agr. Exp. Sta. Misc. Rep. 118:143-144. 1966. 100 M28M
Grading.
- 35450 SVENSSON, B. The potato as raw material for the food industry. (Sw) Lantmannen 77(8):14. 16. Apr.16,1966. 11 L234
Quality.
- 35451 SWAMY, A. M. N., RAHIM, A., and SIDDAPPA, G. S. Proximate composition and suitability for preservation of some important varieties of mangoes grown in Salem. Indian Food Packer 20(3):15-21. May/June 1966. 389.8 In25

- 35452 TEAOTIA, S. S., and AWASTHI, R. K. Studies on varietal suitability on mango fruit by canning. *Indian Food Packer* 20(3):10-14. May/June 1966. 389,8 In25
Includes chemical composition of varieties.
- 35453 WINKELMANN, F., and GLUCK, A. Experiences in the establishment and management of potato sorting centers in Schwerin district. (Ge) *Feldwirtschaft* 7(6):407-410. Aug. 1966. 18 W763
- 35454 YORK, G. K., and others. Relation of fruit damage to quality and consistency of tomato concentrates. *Food Technol.* 21(1):69-71. Ref. Jan. 1967. 389,8 F7398
M. O'Brien, D. Trombopoulos, F. H. Winter, and S. J. Leonard, joint authors.
- 35455 ZAITSEVA, N., and CHERNIKOVA, M. Flavor of different potato varieties. (Rus) *Kartofel' Ovoshchi* 10:20-21. Oct. 1966. 75,8 K147
- Packing and Packaging
- 35456 BLAKE, J. R. Some effects of paraffin wax emulsions on bananas. *Queensland J. Agr. Anim. Sci.* 23(1):49-56. Ref. Mar. 1966. 23 Q37
- 35457 DANTZ, K. G. Kalkulation der Dauerverpackungsgefäße bei nordrheinischen Erzeugergrossmärkten für Obst und Gemüse [Calculations on durable packing containers at northern Rhinish wholesale fruit and vegetable markets]. *Bonn. Univ. Landwirt. Fak. Inaug.-Diss.* 7, 191 p. 1965. 105,8 B644
Bibliography, p.185-190.
- 35458 HAYWARD, F. W., GRIERSON, W., and EDWARDS, G. J. Packaging methods and diphenyl in relation to the keeping quality of tangerines and "Valencia" oranges. *Citrus Indus.* 47(10):9-11. Ref. Oct. 1966. 80 C49
- 35459 MAYO, I. Packing of vegetables can be improved with profit. *New Zeal. J. Agr.* 113(6):16-17, 19. Dec. 1966. 23 N48J
- 35460 MELJERS, C. P. Automatic sewing up of bags and damage to potatoes during transportation. (Du) *Ned. Alg. Keuringsdienst Landbouwzaden Aardappelpoolgoed. Meded.* 23(4):18-20. Aug. 1966. 61,9 N28
- 35461 O'BRIEN, M. Sensors and controls for automatic fillers for fruit and vegetable bins. *Amer. Soc. Agr. Eng. Pap.* 314,10 p. 1966. 290,9 Am32P
- 35462 SCHARFENSTEIN, O. H. C. Can fruit juice manufacturers give up returnable bottles? (Ge) *Obst Gemüse* 30(12):25-27. Dec. 1966. 286,33 Ob72
- Prices, Price Control, and Rationing
- 35463 BOONE, L. M. A study of dry edible pea prices in the Pacific Northwest. *Diss. Abstr.*, Sect. A, 27(1):12A-13A. July 1966. Z5055,U49D5
- 35464 PRODUCTSCHAP VOOR AARDAPPELEN. The financial results of consumer potato production of the 1958 through 1965 crops. (Du) *Pootaardappelhandel* 20(6):3-7. Jan. 1967. 286,33 P79
Prices and consumption.
- 35465 SPASOV, A. Purchasing prices of fruit in relation to new planning system. (Bu) *Ikonomicheskia Mis'l* 11(4):73-87. Ref. 1966. 280,8 Ik7
Russian summary, p.132.
- Processing and Storage
- 35466 ARKHIPOV, V., and others. Preventing potatoes from sprouting in storage. (Rus) *Kartofel' Ovoshchi* 10:21. Oct. 1966. 75,8 K147
L. Lyr'e, N. Prokof'ev, and V. Khrushchev, joint authors.
Treatment with gamma rays.
- 35467 BHATTI, M. B., and ASGHAR, A. Certain dehydration studies on Pakistan onions. I-III. *Agr. Pakistan* 16(3):299-320. Ref. Sept. 1965. 22 Ag832
I. Composition & changes in various constituents; II. Pilot plant dehydration; III. Reconstitution, quality & organoleptic evaluation of dehydrated varieties.
- 35468 BOTTICHER, W. Problems of edible mushroom processing. (Ge) *Obst Gemüse* 30(12):14. Dec. 1966. 286,33 Ob72
- 35469 BOUGON, Y. The cherry producers of Maine-et-Loire have organized a group within their cooperative. (Fr) *Potasse* 40(333):65-68. Mar. 1966. 57,8 P84
- 35470 BRINK, K. M. Factors affecting the market quality of selected varieties-hybrids of muskmelons. *Diss. Abstr.*, Sect. B, 27(1):1B-2B. July 1966. Z5055,U49D53
Storage and costs and returns.
- 35471 CAIN, J. L. Management guide to cost control: average cost to pack green beans. *Md. Univ. Ext. Agr. Econ. Inform. Ser.* 38,8 p. Sept. 1966. 275,29 M36Agr
Processing.
- 35472 CAIN, J. L. Management guide to cost control: average cost to pack green peas. *Md. Univ. Ext. Agr. Econ. Inform. Ser.* 37,8 p. Sept. 1966. 275,29 M36Agr
Processing.
- 35473 CITRUS PROCESSING CONFERENCE. Proceedings, Winter Haven, Florida, October 7, 1964. U. S. Agr. Res. Serv. *ARS-72-43*, 23 p. Jan. 1966. 1,932 A4A88
Sponsored by Southern Utilization Research and Development Division.
Summaries of statements.
- 35474 DAHLKE, L. C. The changes in the lipid components of broccoli as the result of various heat treatments. *Diss. Abstr.*, Sect. B, 27(5):1530B. Nov. 1966. Z5055,U49D53
- 35475 DUPUY, P. International project on the irradiation of fruit juices. (Fr) *Cah. Ingen. Agron.* 209:21-25. Oct. 1966. 14 C112
- 35476 EAPEN, K. E., and RAMANATHAN, P. K. Process for the production of instant mash potatoes. *J. Food Sci. Technol. [Mysore]* 3(2):66-68. July 1966. 389,8 J823
- 35477 FELLERS, P. J., and PFLUG, I. J. Storage of pickling cucumbers. *Food Technol.* 21(1):74-78. Ref. Jan. 1967. 389,8 F7398
Includes controlled-atmosphere storage.
- 35478 GAC, A., and BOUN, J. Study of preservation of apples in a fruit cellar cooled by exterior air. (Fr) *Paris. Cent. Rech. Exp. Genie Rural Bull. Tech. Genie Rural* 78,19 p. Oct. 1966. 58,9 P21
English summary.
- 35479 GHERCHI, A. Some aspects of the ripening of fruit. (Rum) *Grandina, Via Livada* 15(9):47-51. Sept. 1966. 80 G75
Additional ripening in storage.
- 35480 GUTULESCU, I. A. Achieving the continuous operation of the installation for the manufacture of tinned peas. (Rum) *Indus. Aliment.* 17(6):298-299. June 1966. 389,8 In26
English summary.
- 35481 HAMED, M. G. E. The freeze-drying of green beans. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(3):144-149. Ref. 1966. 384 Z39
- 35482 HAMED, M. G. E. Manufacture and preservation of thick fruit juice beverages from tropical fruits. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(3):137-144. Ref. 1966. 384 Z39
- 35483 HAUPT, H. G. Canned fruit and vegetables. (Ge) *Indus. Obst- Gemüseverwertung* 51(24):743-747. Dec. 15, 1966. 389,8 K832
Industry.
- 35484 HAUPT, H. G. Quick-frozen vegetables and fruit. (Ge) *Indus. Obst- Gemüseverwertung* 51(24):765-768. Dec. 15, 1966. 389,8 K832
Industry.
- 35485 HEINTZE, K. Sulfuring of dried potato products. (Ge) *Indus. Obst- Gemüseverwertung* 51(23):707-709. Dec. 1, 1966. 389,8 K832
Use of sulfur dioxide.

- 35486 HELMBERGER, P. G., and HOOS, S. The vegetable processing industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.150-175. 1966. HD9005.M6
Includes marketing.
- 35487 HILKENBAUMER, F. Problems of the fruit storage. (Ge) Obstbauberatungsring. Mitteilungsbl. 21(3):51-53. June 1966. 85 Ob72
- 35488 JENSEN, W. P. Controlled atmosphere generators for fresh fruit and produce storage. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):449-454. Ref. 1966. 290.9 Am32T
- 35489 KHAN, S. A. Glace fruits—drying of peaches and pears. West Pakistan J. Agr. Res. 3(4): 235-239. Dec.1965. 22 W52
- 35490 KHAN, S. A. Preparation of new products from water melon rinds. West Pakistan J. Agr. Res. 3(4):240-242. Dec.1965. 22 W52
- 35491 LA ROCCA, A. The fruit and vegetable preserving industry in Italy. Rev. Econ. Cond. Italy 20(3):192-202. May 1966. 280.8 R3236
- 35492 LAWLER, F. K. French process boosts quality cuts costs. Food Eng. 39(2):65-68. Feb.1967. 389.8 F737
New canned mushroom sterilization process.
- 35493 LOCHER, B. The canned fruit and vegetable industry of Switzerland. (Ge) Indus. Obst. Gemüseverwertung 51(23):717-719. (Cont.) Dec.1,1966. 389.8 K832
- 35494 LOPEZ, J. E. Optimum number, size, and location of multiple product vegetable processing establishments in South Central Louisiana. Diss. Abstr., Sect. A, 27(5):1161A-1162A. Nov. 1966. Z5055.U49D5
- 35495 MARTINEZ GARRIDO, J. Economic study of tomato concentrate manufacture. (Sp) Ion 26 (304):641-653. (Cont.) Nov.1966. 385 Io6
- 35496 MARTINI, A., and LORENZ, M. Contributions to the technical synthesis of microbial cell substance. XIV. The use of potato fluid for the production of feed yeasts. (Ge) Starke 18(11): 350-353. Nov.1966. 309 S22
English summary.
- 35497 MATEJ, V. Changes in calorific values of stored potatoes. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 3:283-289. 1965. HD1940.C95A1
French and German summaries.
- 35498 MCCROREY, G. Preserving of French beans. J. Agr. [Melbourne] 64(11):494-498,517. Nov. 1966. 23 V66J
Processing.
- 35499 MEFFERT, H. F. T. Course in the preservation of foods. 20. Vegetables and fruit, 20.2. Processing of vegetables and fruit, 20.2.10. Concentration of liquid fruit products. (Du) Conserva 15(6):164-167. Ref. Dec.1966. 389.8 C7632
- 35500 MIRCEA, I. High quality pear distillate. (Rum) Indus. Aliment. 17(7):360-362. July 1966. 389.8 In26
English summary, p.2 following p.384.
- 35501 MIRCEA, I. C. A contribution to the technology of manufacture of superior fruit juices. (Rum) Grandina, Via Livada 15(9):82-88. Sept.1966. 80 G75
- 35502 MORI, Y., HIRAKAWA, M., and TOKUNAGA, Y. On the formation of the organic acids and the fading of chlorophyll on the storage of the green vegetables. (Ja) Jap. Soc. Food Nutr. J. 19(3):191-196. Ref. Sept.1966. 389.9 J27
English summary.
- 35503 NELSON, K. E., and GENTRY, J. P. Two-stage generation of sulfur dioxide within closed containers to control decay of table grapes. Amer. J. Enol. Viticult. 17(4):290-301. Oct./Dec. 1966. 390.9 Am33
Review of the literature.
Post harvest.
- 35504 PEACOCK, B. C. Relationship between certain physical changes and the climacteric phase in the banana. Queensland J. Agr. Anim. Sci. 23(1):77-80. Mar.1966. 23 Q37
Biochemistry and storage.
- 35505 PHILLIPS, C. E., MACKEY, A. C., and HAUSER, B. A. Effect of cooking on microbiological flora of selected fresh, frozen and dehydrated potatoes. Amer. Potato J. 43(9):315-322. Sept.1966. 75.8 P842
- 35506 RADU, I. F., GHERGHI, A., and WENDLER, B. Possibility of the partial substitution of sulfur dioxide with the sorbic acid in the preparation and preservation of semiprocessed fruit. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:931-943. Ref. 1963/64, pub.1966. 86 R862
French summary.
- 35507 SALUNKHE, D. K., and others. Maintaining quality in fresh produce. Utah Farm Home Sci. 27(2):62-65. June 1966. 100 U11F
L. E. Olson, B. N. Wankier, and K. Chachin, joint authors.
Fruit handling.
- 35508 SAWYER, R. L., and others. Interrelationships of physiological and engineering factors in Long Island potato storages. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):594-595. 1966. 290.9 Am32T
L. L. Boyd, R. C. Cetas, and A. H. Bennett, joint authors.
- 35509 SHAFI, M. A new technique in vegetable dehydration. Agr. Pakistan 16(1):57-60. Mar. 1965. 22 Ag832
Freeze drying.
- 35510 STADEN, O. L. Refrigeration and irradiation of vegetables and fruit. (Du) Conserva 15(6): 154-155. Dec.1966. 389.8 C7632
French summary.
- 35511 STAHM, O. Tempting fresh fruit. (No) Norsk Hagetid. 82(12):262. Dec.1966. 80 N81
Apple varieties and storage.
- 35512 STRAUB, E. Freezing of fruit. (Ge) Genossensch. Ratschläge Bauernhof, Aug.1966:13. 384 C4292
- 35513 STRAUB, E. Freezing of vegetables. (Ge) Genossensch. Ratschläge Bauernhof, Aug.1966: 14. 384 C4292
- 35514 TEIXEIRA, C. G. Extraction of latex and preparation of papain. (Por) Agronomico 17 (11/12):4-6. Nov./Dec.1965. 9.2 Ag894
- 35515 VIBHAKAR, S., PRABHAKAR, J. V., and BHATTNAGAR, H. C. The clarification and deacidification of grape juice by ion-exchange resins. J. Sci. Food Agr. 17(11):488-490. Ref. Nov.1966. 382 S02
- 35516 VIDYASAGAR, K., and others. Studies on the storage of packed rations. 3. Cashewnuts. J. Food Sci. Technol. [Mysore] 3(2):59-61. July 1966. 389.8 J823
T. M. Aswathnarayana, S. Ramanujam, and G. K. Rao, joint authors.
- 35517 ZAEHRINGER, M. V., CUNNINGHAM, H. H., and SPARKS, W. C. Sugar content and color of Russet Burbank potatoes as related to storage temperature and sprout inhibitors. Amer. Potato J. 43(9):305-314. Ref. Sept. 1966. 75.8 P842
With CIPC and MH-30.

Statistics

- 35518 BADEN-WURTEMBERG, STATISTISCHES LANDESAMT. Der endgültige Anbau von Gemüse und Erdbeeren im Jahr 1965 [Final area of vegetables and strawberries in the year 1965]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 49,4 p. Nov.2,1965. 265 St28
- 35519 BADEN-WURTEMBERG, STATISTISCHES LANDESAMT. Der endgültige Anbau von Gemüse und Erdbeeren 1966 [Final production of vegetables and strawberries 1966]. Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst 49,20 p. Sept.29,1966. 265 St28
- 35520 BERLIN, STATISTISCHES LANDESAMT. Der Gemüseanbau, die Ernte an Gemüse und Obst sowie die Pflanzenbestände in Baumschulen in Berlin (West) 1964 [Vegetable production, harvest of vegetables and fruit as well as the plants in nurseries in Berlin (West) 1964]. Berlin Statist. Statist. Ber. C 13-64,5 p. Aug.16, 1965. 265 B453AL

- 35521 CANADA, BUR. OF STATISTICS. Value of fruit production—1965. Ottawa, 1966. 5 p. 253 S123Fv
- 35522 STANCIU, G. Some problems of the increase of production and improvement of the quality of fruit. (Rum.) Grandina, Via Livada 15(9):22-25. Sept. 1966. 80 G75
Includes acreage and work management.
- 35523 THOR, E., and others. Solanaceous and perennial vegetables and sweet corn; production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-2,79 p. Mar. 1966. 275.29 C121
H. Seney, B. Burlingame, P. S. Parsons, M. J. Snyder, J. P. Underhill, A. F. Van Marren, A. H. Holland, and M. P. Zobel, joint authors.
Statistics.
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
- ### GRAIN AND GRAIN PRODUCTS
- 35524 ADAM, R. Are we nearing a world wheat crisis? (Ge) Agrarpolit. Rev. 23(4):159-161. Dec. 1966. 281.8 Ag824
- 35525 ALBERTA WHEAT POOL. Annual report for the year ended 31 July 1966. Calgary, 1966. 48 p. 280.39 AL12
- 35526 ALTENBERG. Sieving in the standard grinder-classifier. (Ge) Mullerei 19(39):585-586. Sept. 24, 1966. 298.8 M91
- 35527 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference on milling technology, 1966, in Detmold, October 5 to 7. I. (Ge) Muhle 103(41):681-685. Oct. 13, 1966. 298.8 M89
Includes opening address by L. Altrogge.
- 35529 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference on milling technology, 1966, in Detmold, October 5 to 7. II. (Ge) Muhle 103(42):697-701. Oct. 20, 1966. 298.8 M89
- 35529 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference on milling technology, 1966, in Detmold, October 5 to 7. III. (Ge) Muhle 103(43):711-713. Oct. 27, 1966. 298.8 M89
- 35530 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference on milling technology 1966, in Detmold, October 5 to 7. V. (Ge) Muhle 103(45):747-749. Nov. 10, 1966. 298.8 M89
- 35531 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Conference on milling technology 1966, in Detmold, October 5 to 7. VI. (Ge) Muhle 103(46):759-764. Nov. 17, 1966. 298.8 M89
- 35532 ASKEW, W. R. The nation knows it needs him now. Agr. Situation [Washington] 51(2):1-2. Feb. 1967. 1 Ec7Ag
Outlook on wheat.
- 35533 ASKEW, W. R. U. S. rice utilization. U. S. D. A. Econ. Res. Serv. RS-11:14-19. Jan. 1967. A280.3599 M34
- 35534 AUFHAMMER. Determination of the quality of German wheat varieties. (Ge) Muhle 103(32):541. Aug. 11, 1966. 298.8 M89
- 35535 AUSTIN, A., and MIRCHANDANI, R. L. Classification of improved Indian wheats into different utility groups based on sedimentation values. Indian J. Agr. Sci. 36(3):140-142. June 1966. 22 Ag831
- 35536 BATES, L. S. Amino acid analysis. High Lysine Corn Conf. Proc. 1966:61-66. Ref. QK866.M3H5
Discussion, p. 90.
- 35537 BATSALOVA, M., and BATSALOV, I. On specific rotation angle of rye starch. (Bu) Visshe Selskostonenski inst. "Vasil Kolarov." Nauch. Tr. 14(1):305-307. 1965. 106.3 P72
German summary.
Polarimetric method used in study.
- 35539 BECKER, D. Recent changes and progress of Producers Export Company. Amer. Coop. 1966:313-316. 280.29 Am3A
Cooperative grain marketing.
- 35539 BECKWITH, A. C., and HEINER, D. C. An immunological study of wheat gluten proteins and derivatives. Arch. Biochem. Biophys. 117(2):239-247. Ref. Nov. 1966. 381 Ar2
- 35540 BECKWITH, A. C., and WALL, J. S. Reduction and reoxidation of wheat glutenin. Biochim. Biophys. Acta 130(1):155-162. Ref. Nov. 29, 1966. 381 B522
- 35541 BELDEROK, B. Importance of thiol and disulfide groups for the improvement of wheat baking quality. (Du) Wageningen. Inst. Graan, Meel Brood. Jaarverslag 1965:55-65. 389.9 Ut72
Includes effect of nitrogen fertilizer.
- 35542 BESCH, H. Results of micro-baking research with material from the Weihenstephan summer and winter wheat assortment. (Ge) Bayer. Landwirt. Jahrbuch 43(4):416-431. Ref. 1966. 18 L24
- 35543 BIELORAI, R., and ALUMOT, E. Determination of residues of a fumigant mixture in cereal grain by electron-capture gas chromatography. J. Agr. Food Chem. 14(6):622-625. Ref. Nov./Dec. 1966. 381 J8223
- 35544 BLOKSMA, A. H. Wheat proteins. (Du) Wageningen. Inst. Graan, Meel Brood. Jaarverslag 1965:44-54. Ref. 389.9 Ut72
- 35545 BROWN, D., and BOYD, W. J. R. The separation of barley proteins by disc electrophoresis using polyacrylamide. Inst. Brewing J. 72(6):541-546. Ref. Nov./Dec. 1966. 390.9 In7
- 35546 BUCHER, R., and BIHLER, E. Research results on grain tests from the quality wheat producing communities of lower, central, and upper Franconia in the years 1964 and 1965. (Ge) Muhle 103(30):507-509. (Cont.) July 28, 1966. 298.8 M89
- 35547 BUCHER, R., and BIHLER, E. Research results on grain tests from the quality wheat producing communities of lower, central, and upper Franconia in the years 1964 and 1965. (Ge) 103(32):543-544. (Cont.) Aug. 11, 1966. 298.8 M89
- 35549 BUCHER, R., and BIHLER, E. Research results on grain tests from the quality wheat producing communities of lower, central, and upper Franconia in the years 1964 and 1965. (Ge) Muhle 103(33):558. (Cont.) Aug. 18, 1966. 298.8 M89
- 35549 BUCHER, R., and BIHLER, E. Research results on grain tests from the quality wheat producing communities of lower, central, and upper Franconia in the years 1964 and 1965. (Ge) 103(34):569. (Concl.) Aug. 25, 1966. 298.8 M89
- 35550 CAMPIVERDI, D. The 1955-1966 rice harvest; memorandum. (It.) Acad. Naz. Agr. Ann. 77(2):61-63. 1966. 16 B632A
Outlook and policy with regard to the Common Market.
- 35551 CANADA. BOARD OF GRAIN COMMISSIONERS. Interim report on grain elevators in Canada as at December 1, 1966. Winnipeg, 1966. 6 p. 225 C1633
Statistics.
- 35552 CANTIN, W. W. Why farmers need an export elevator in the New Orleans area. Amer. Coop. 1966:317-320. 280.29 Am3A
Cooperative.
- 35553 CLEVE, H. Comparative investigations on milling procedures with the aid of modern testing machines and research mills. (Ge) Muhle 103(29):493-496. July 21, 1966. 298.8 M89
- 35554 CLEVE, H., and ANDER, E. Milling results with the Miag short diagram for mills of various sizes. (Ge) Muhle 103(43):711-713. Oct. 27, 1966. 298.8 M89
- 35555 CONCON, J. M. The proteins of opaque-2 maize. High Lysine Corn Conf. Proc. 1966:67-73. Ref. QK866.M3H5
Discussion, p. 90.
- 35556 CORBI, D., and CICERO, L. Research on soft wheat in food pastes. (It) Molini Ital. 17(7):258-259. July 1966. 298.8 M73
For adulteration.
- 35557 CORREDI, A. Economics of production, transformation, and consumption of hard wheat in the E. E. C. (Ge) Molini Ital. 17(3):88-94, map. (Cont.) Mar. 1966. 298.8 M73

- 35559 CORREDI, A. World situation and outlook of grains. (It) Molini Ital. 17(6):214-219. June 1966. 298.8 M73
- 35559 COVELLO, M., and SCETTINO, O. Determination of soft wheat fractions in those of hard wheat and in paste: phytin phosphorus content. (It) Tec. Molitoria 17(20):505-515. Ref. Oct.30,1966. 298.8 Se42
- 35560 DEFREN, and TRAUTVETTER. Electric systems in grain and feed mills as well as in silos. (Ge) Muhle 103(39):641-643. Sept.29,1966. 298.8 M89
Control of dust explosions.
- 35561 DIMLER, R. J. Alcohol-insoluble proteins of cereal grains. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.1):1670-1675. Ref. Nov./Dec.1966. 442.9 F31P
Glutelins.
- 35562 DIMLER, R. J. Kernel structure and the wet milling of high-lysine corn. Amer. Miller Processor 94(12):7-9,13. Dec.1966. 298.8 Am32
- 35563 DIMLER, R. J. Report on kernel structure and wet milling of high lysine corn. High Lysine Corn Conf. Proc. 1966:121-127.. QK866.M3H5
Discussion, p.135-138.
- 35564 DREWS, E. Falling number in rye and its milled products. (Ge) Muhle 103(48):786-788. (Cont.) Dec.1,1966. 298.8 M89
- 35565 DREWS, E. The falling number of rye and its milled products. (Ge) Muhle 103(50):822-823. (Concl.) Dec.15,1966. 298.8 M89
- 35566 DULIK, G. New combined hard and soft wheat mills in Lebanon. (Ge) Muhle 103(51/52):838, 841-842,845. Dec.22,1966. 298.8 M89
- 35567 DULIK, G. New combined hard and soft wheat mills in Lebanon. (Ge) Muhle 104(1):4-5. Jan.5,1967. 298.8 M89
- 35569 EFFERSON, J. N. Trends in rice production. Rice J. 70(1):8-13. Jan.1967. 59.8 R36
In Panama and Central America.
- 35569 EISGRUBER, G. The polishing of grain. (Ge) Muhle 103(13):206. Mar.31,1966. 298.8 M89
Equipment.
- 35570 EKSTROM, G. A., LILJEDAHN, J. B., and PEART, R. M. Thermal expansion and tensile properties of corn kernels and their relationship to cracking during drying. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):556-561. Ref. 1966. 290.9 Am32T
- 35571 ENGELKES, G. The oldest German grain exchange. (Ge) Mullerei 19(17):245. Apr.23, 1966. 298.8 M91
- 35572 EUROPEAN ECONOMIC COMMUNITY. Unvarying prices in the grain sector. (It) Molini Ital. 17(8):288-295. Aug.1966. 298.8 M73
- 35573 EWART, J. A. D. The interaction of proteins during gel electrophoresis. J. Sci. Food Agr. 17(11):526-532. Ref. Nov.1966. 382 So12
Wheat.
- 35574 FABRIANI, G. Progress made in evaluating the quality of hard wheat. (It) Molini Ital. 17(7):249-252. July 1966. 298.8 M73
- 35575 FABRIANI, G. Scientific research, determining factor in the economics of wheat production transformation, and consumption. (It) Molini Ital. 17(10):373-376,378-379. Oct.1966. 298.8 M73
- 35576 FARMBUILDINGS. Choosing grain storage. Farmbuildings S2,16 p. Oct.1966. 296.8 F224
Includes types in Great Britain.
- 35577 FARRIS, P. L. The grain procurement industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.249-265. Ref. 1966. HD9005.M6
- 35579 FOX, G. S. Progress by design—in grain marketing. Amer. Coop. 1966:73-78. 280.29 Am3A
- 35579 FRITSCH, E. The evaluation of analysis counts as combination counts. (Ge) Mullerei 19(41):620-622. Oct.8,1966. 298.8 M91
Grain and flour.
- 35580 FRITSCH, E. Grain components and their position in the development of analysis. (Ge) Mullerei 19(32):483-485. Aug.6,1966. 298.8 M91
- 35581 FRITSCH, E. Milling value as a scientific concept. (Ge) Mullerei 18(24):378-379. June 12, 1965. 298.8 M91
- 35582 FRITSCH, E. The test as a modern research form. (Ge) Mullerei 19(36):545-547. Sept.3, 1966. 298.8 M91
- 35583 GALTER, E. Observations on gluten testing. (Ge) Muhle 103(13):205-206. Mar.31,1966. 298.8 M89
In wheat.
- 35584 GALTER, E. Remission photometry measurements on dampened flour. (Ge) Muhle 103(36):589-590. Sept.8,1966. 298.8 M89
- 35585 GIOSAN, N. Results and perspectives of wheat growing: Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 507,29 p. Dec.28,1966. (JPRS 39,279; TT 66-35701) 173 J683Ste
Translation from Probleme Agricole 10:3-34. Oct.1966.
CFSTI: \$2.00.
- 35586 GMUR, B. Flour silo systems. (Ge) Deut. Muller-Zeitung 64(23):582-586. Nov.17,1966. 298.8 Su2
- 35587 HALTMEIER, O. On sieve analysis. (Ge) Muhle 103(13):203-205. Mar.31,1966. 298.8 M89
- 35589 HANSEN, K. Modern harvesting methods and grain quality. (Da) Tolvmandsbladet 38(4):191-193. Apr.1966. 11 T59
Chiefly threshing and drying.
- 35589 HEISELBERG, V. Grain policy of the Common Market. (Da) Tidsskr. Landokon. 10:469-480. Dec.1966. 11 T43
- 35590 HELLENDORF, E. W., and MEYER, J. G. C. M. Improvement of consistency and flavor of sterilized rice dishes. (Du) Conserva 15(6):156-160. Dec.1966. 389.8 C7632
French summary.
- 35591 HIGH LYSINE CORN CONFERENCE, PURDUE UNIVERSITY, LAFAYETTE, INDIANA, 1966. Proceedings. Washington, Corn Industries Research Foundation, 1966. 186 p. Ref. QK866.M3H5
- 35592 HOPF, L. From surplus to demand. (Ge) Mullerei 19(42):629-630. Oct.15,1966. 298.8 M91
Grain and flour.
- 35593 HOPF, L. High production grinder-classifier and standard grinder-classifier in milling. (Ge) Mullerei 19(47):705-706. Nov.19,1966. 298.8 M91
- 35594 HOPF, L. The high-production grinder-classifier in the modern diagram. (Ge) Mullerei 19(40):602-603. Oct.1,1966. 298.8 M91
- 35595 HOPF, L. The milling of the new crop. (Ge) Mullerei 19(29):429-430. July 16,1966. 298.8 M91
- 35596 HOPF, L. Origins of backward yields. (Ge) Mullerei 19(51/52,1.e.52/53):778-780. Dec.24, 1966. 298.8 M91
- 35597 HOPF, L. Priorities in modern milling procedure. (Ge) Mullerei 19(43):645-646. Oct.22, 1966. 298.8 M91
- 35599 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of jowar, 1965—66. New Delhi, 1966. 3 p. 269.5 An2A
- 35599 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of maize. 1965—66. New Delhi, 1966. 2 p. 269.5 In2Am
- 35600 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of small millets, 1964—65. New Delhi, 1965. 4 p. 269.5 In2AL
- 35601 JAPAN, DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of wheat, 1965—66. New Delhi, 1966. 2 p. 269.5 In2Aw
- 35602 JELMONI, E. The bread plant (wheat). (It) Agr. Venezu 20(6):296-302. June 1966. 16 Ag826
History, folklore, and literature.
- 35603 JIMENEZ, J. R. Protein fractionation studies of high lysine corn. High Lysine Corn Conf. Proc. 1966:74-79. QK866.M3H5
Discussion, p.90.

- 35604 JUNGE, J. Problems of grain drying. (Ge) Muhle 103(35):577-579. *Cont. 1966* 9
- 35605 KUHN, E. A new wheat mill on the Canary Islands. (Ge) Muhle 103(28):471-472. July 14, 1966. 298.8 M89
- 35606 KUHN, G. New wheat mills from the Canary Islands. (Ge) Deut. Muller-Zeitung 64(14):340-341. July 14, 1966. 298.8 Su2
- 35607 KUHN, E. New wheat mills on the Canary Islands. (Ge) Mullerei 19(30):451-452. July 23, 1966. 298.8 M91
- 35608 KULAKOVSKII, A. B., and FEDOSEEV, V. V. Elevatory SSSR [Grain elevators]. Moskva, Izdatel'stvo Literatury po Stroitel'stvu, 1966. 258 p. Ref. TH4461.K8
- 35609 KURIEN, P. P., and DESIKACHAR, H. S. R. Preparation of a refined white flour from ragi (Eleusine coracana) using a laboratory mill. J. Food Sci. Technol. [Mysore] 3(2):56-58. July 1966. 389.8 J823
- 35610 LAHR, H. 300 years of the Nescher mill. (Ge) Deut. Muller-Zeitung 64(22):564. Nov.3, 1966. 298.8 Su2
- 35611 LIPPUNER, C. Grain cleaning today. (Ge) Muhle 103(47):773-775. Nov.24, 1966. 298.8 M89
- Equipment.
- 35612 LIPPUNER, C. Grain cleaning today. (Ge) Mullerei 19(48):728-729. Nov.26, 1966. 298.8 M91
- 35613 LUDEWIGS, W. The importance of flour handling in the mill. (Ge) Mullerei 18(24):375-378. June 12, 1965. 298.8 M91
- 35614 LUTHJE, A. The agricultural market enquiry draws bold conclusions to the grain problem. (Ge) Raiffeisen-Rundschau 19(1):30. Jan.1967. 284.2 R132
- 35615 MAHFOUZ, A. M., and others. Residues of heptachlor and heptachlor epoxide on corn. Alexandria J. Agr. Res. 13(2):45-52. Ref. July 1965. 24 AL2
- M. T. Shafik, G. Tantawy, and S. A. El-Khishen, joint authors.
- Used for control of *Pyrausta nubilalis*.
- 35616 MAJOR, B. Various points of view on grain evaluation. (Ge) Muhle 103(38):627-629. Sept.22, 1966. 298.8 M89
- Analysis.
- 35617 MATVEEF, M. Determination of value in flour from hard wheat. (It) Tec. Molitoria 17(14):341-354. July 30, 1966. 298.8 Se42
- 35618 MATVEEF, M. The production of food pastes with soft wheat. (It) Tec. Molitoria 17(8):182-184. Apr.30, 1966. 298.8 Se42
- 35619 MCGUIRE, J. P., and ERLANDER, S. R. Quantitative isolation and dispersion of starch from corn kernels without degradation. *Stärke* 18 (11):342-346. Ref. Nov.1966. 309 St22
- 35620 MENGGER, A. Research on the unification of sieve analysis and the speck count of durum grits and vapor. (Ge) Muhle 103(26):442-443. (Cont.) June 30, 1966. 298.8 M89
- 35621 MENGGER, A. Research on the unification of sieve analysis and the speck count of durum grits and vapor. (Ge) Muhle 103(27):456-457. (Cont.) July 7, 1966. 298.8 M89
- 35622 MENGGER, A. Research on the unification of sieve analysis and the speck count of durum grits and vapor. (Ge) Muhle 103(28):475-476. (Cont.) July 14, 1966. 298.8 M89
- 35623 MENGGER, A. Research on the unification of sieve analysis and the speck count of durum grits and vapor. (Ge) Muhle 103(29):497-498. (Concl.) July 21, 1966. 298.8 M89
- 35624 MOSSE, J. Alcohol-soluble proteins of cereal grains. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.1):1663-1669. Ref. Nov./Dec.1966. 442.9 F31P
- Prolamines.
- 35625 MUHLEN-und Mischfutter-Kalender 1967, 78. Jahrgang [Milling and mixed feed almanac, 1967, 78th year]. Detmold, 1966. 224 p. 298.8 M894
- 35626 NASH, P. J. Opportunities for cooperative in exporting grain in the future. Amer. Coop. 1966:563-570. 280.29 Am3A
- 35627 NICHOLS, A. A., LEAVER, C. W. Methods of examining damp grain at harvest and after sealed and open storage: changes in the microflora of damp grain during sealed storage. J. Appl. Bacteriol. 29(3):566-581. Dec.1966. 448.39 Sol2
- 35628 OGREN, K. E. An economic interpretation of wheat, flour, and bread prices. U. S. Agr. Res. Serv. ARS-74-354-12. Apr.1966. A381 R31AB
- 35629 ORA, D. DALLI. The bulk transport of flours and meals for food and feed. (It) Tec. Molitoria 17(10):249-254. May 30, 1966. 298.8 Se42
- 35630 PANIAGO, E. Seasonal fluctuations in the price of corn in the State of Sao Paulo. (Por) Rev. Ceres 13(73):66-80. May/July 1966. 9.2 C332
- English summary.
- 35631 PELSSENKE, P. F. The quality of the 1966 wheat crop. (Ge) Deut. Muller-Zeitung 64(24):598-601. Dec.1, 1966. 298.8 Su2
- 35632 PELSSENKE, P. F., and others. On the quality of the 1966 wheat crop. (Ge) Muhle 103(36):592-593. (Cont.) Sept.8, 1966. 298.8 M89
- H. Bolling, F. Springer, and H. Zwingleberg, joint authors.
- 35633 PELSSENKE, P. F., and others. On the quality of the 1966 wheat crop. (Ge) Muhle 103(37):631-633. (Cont.) Sept.22, 1966. 298.8 M89
- H. Bolling, F. Springer, and H. Zwingleberg, joint authors.
- 35634 PELSSENKE, P. F., and others. The quality of the 1966 wheat crop. (Ge) Muhle 103(45):747-749. (Cont.) Nov.10, 1966. 298.8 M89
- H. Bolling, F. Springer, and H. Zwingleberg, joint authors.
- 35635 PELSSENKE, P. F., and others. The quality of the 1966 wheat crop. (Ge) Muhle 103(46):762-764. (Concl.) Nov.17, 1966. 298.8 M89
- H. Bolling, F. Springer, and H. Zwingleberg, joint authors.
- 35636 PERSON, N. K., SORENSON, J. W., and MC-CUNE, W. E. Thermodynamic considerations in designing controlled storage environments for bulk grain. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):520-523. 1966. 290.9 Am32T
- Ventilation.
- 35637 PFEIFFER, H. How do we process freshly harvested rye? (Ge) Mullerei 19(37):553-554. Sept.10, 1966. 298.8 M91
- 35638 PFEIFFER, F. Determination of wheat quality with aid of the "Trikegraph" testing apparatus. (Ge) Muhle 104(1):2-4. Jan.5, 1967. 298.8 M89
- 35639 PLATONOV, A. Calculating excessive sale of grain and sunflowers. (Rus) Ekon. Sel'skogo Khoz. 9:47-52. Sept.1966. 281.8 So73
- 35640 RASTENBERG. Judging and processing of grain. (Ge) Mullerei 19(32):477. Aug.6, 1966. 298.8 M91
- 35641 RASTENBERG. Separate sorting, but common milling. (Ge) Mullerei 19(41):613-614. Oct.8, 1966. 298.8 M91
- 35642 RIST, M. Farm and off-farm labor for grain harvesting and processing. (Ge) Schweiz. Landwirt. Monatsh. 44(9/10):285-308. Sept./Oct.1966. 17 Sch93
- Chiefly grain drying and storage; includes equipment.
- 35643 RIVOSECCI, L. C. V. Technical yield and direct taxes in the milling industry. (It) Tec. Molitoria 17(8):169-176. Apr.30, 1966. 298.8 Se42
- 35644 ROHDE, H. Dark flour through wood fiber milled with the grain. (Ge) Muhle 103(48):785-786. Dec.1, 1966. 298.8 M89
- Improvement of flour color through wheat and rye cleaning.
- 35645 ROHRICH, M. Gluten research two hundred years ago; in memory of Jacopo Bartolomeo Beccaris. (Ge) Muhle 103(51/52):831-832. Dec.22, 1966. 298.8 M89
- 35646 ROLLER, W. Weighing technique in grain and feed mills. (Ge) Muhle 103(49):802,805-806. Dec.8, 1966. 298.8 M89

- 35647 RUCKERT, H. Rye milling made difficult. (Ge) Deut. Muller-Zeitung 64(19):478. Sept.22,1966. 298.8 Su2
- 35648 SAALMANN, H. W. New system of corn germ removal. (Ge) Deut. Muller-Zeitung 64(20):500. Oct.6,1966. 298.8 Su2
- 35649 SCHAFER, W. Industrial utilization of grain—a review. (Ge) Muhle 103(41):682-685. Ref. Oct.13,1966. 298.8 M89
- 35650 SCHEFFER, E. Grain mills—developments and possibilities. (Ge) Deut. Muller-Zeitung 64(19):470-473. Sept.22,1966. 298.8 Su2
- 35651 SCHEUCH, F. The problem of grain drying from the miller's viewpoint. (Ge) Deut. Muller-Zeitung 64(14):338-339. July 14,1966. 298.8 Su2
- 35652 SCHLESINGER, J. S. Standard deviations & % coefficient of variation of flour maltose: data of the Pioneer Section, AACCI, 1955-1964. Cereal Sci. Today 12(1):26-27,33. Jan.1967. 59.8 C333
- 35653 SCHLESINGER, J. S. Standard deviations & % coefficient of variation of flour protein: data of the Pioneer Section, AACCI, 1955-1964. Cereal Sci. Today 12(1):23-24. Jan.1967. 59.8 C333
- 35654 SCHNEEWEISS, R. The present consumer habits in grain and the covering of world needs. (Ge) Muhle 103(26):443-444. (Cont.) June 30, 1966. 298.8 M89
- 35655 SCHNEEWEISS, R. The present consumer habits in grain and the covering of world needs. (Ge) Muhle 103(27):454-455. (Cont.) July 7, 1966. 298.8 M89
- 35656 SCOTT, J. H. The poetry of milling. Milling 147(24):525-526. Dec.16,1966. 298.8 M622
- 35657 SEIBEL, W. Manual and mechanical testing of grain, flour, and byproducts. (Ge) Muhle 103(42):697-700. Ref. Oct.20,1966. 298.8 M89
- 35658 SHANKAR, J. V., and others. A pilot study of traditional paddy storage practices in villages. J. Food Sci. Technol. [Mysore] 3(2):62-65. July 1966. 389.8 J823
- 35659 B. L. Amla, M. S. S. Iyengar, and Mrs. I. A. S. Murthy, joint authors. India.
- 35659 SHOVE, G. C. Analog computer solution of air distribution in perforated ducts. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):599-601. 1966. 290.9 Am32T
- 35660 Grain aeration and other uses.
- 35660 SONNEMANN, T. Wheat diagnosis. (Ge) Raiffeisen-Rundschau 18(10):504. Oct.1966. 284.28 R132
- 35661 Grain market in the E.E.C.
- 35661 STAUDT, E. Flour brightness. (Ge) Muhle 103(28):469,471. July 14,1966. 298.8 M89
- 35662 STEGERWALD, Thoughts on milling after the harvest. (Ge) Mullerei 19(29):430. July 16, 1966. 298.8 M91
- 35663 STEIN, E. The rationalization of storage, bagging, and packing of milled products. (Ge) Muhle 103(51/52):832-834,837-838. Dec.22, 1966. 298.8 M89
- 35664 STEIN, I. Malting barley competition of South Baden for the 1966 crop. (Ge) Brauwelt 107(1/2):5-6. Jan.4/6,1967. 390.8 B732
- 35665 THEIMER, O. F. Bursting of steel silos at high temperatures. (Ge) Muhle 103(28):465-468. July 14,1966. 298.8 M89
- 35666 Grain storage structures.
- 35666 THEIMER, O. F. Repair of damaged steel concrete silos. (Ge) Muhle 103(46):759-762. Nov.17,1966. 298.8 M89
- 35667 For grain storage.
- 35667 THOMAS, A. T. Evaluation of opaque-2 maize fermentations with *Saccharomyces cerevisiae*. High Lysine Corn Conf. Proc. 1966:128-134. QK866.M3H5
- 35668 For alcohol production.
- 35668 Discussion, p.135-138.
- 35669 THOMPSON, P. G. The development of a small agricultural industry in Fiji. S. Pacific Bull. 16(4):53-55. Fourth Q.1966. 280.8 So89
- 35669 Broomcorn production and the making of brooms.
- 35670 TIMM, E., NERNST, C., and FRIEDEL, K. The quality of domestic bread grain of the 1965 crop. (Ge) Muhle 103(34):567-569. (Cont.) Aug.25,1966. 298.8 M89
- 35670 TIMM, E., NERNST, C., and FRIEDEL, K. The quality of domestic bread grain of the 1965 crop. (Ge) Muhle 103(35):580-581. (Cont.) Sept.1,1966. 298.8 M89
- 35671 TODA, J., and others. Studies on phosphatases in foods. 4. Stability of 5'-ribonucleotides in wheat flour. (Ja) Jap. Soc. Food Nutr. J. 19(3):171-174. Sept.1966. 389.9 J27
- 35672 S. Moritaka, H. Nakatani, and S. Wada, joint authors. English summary.
- 35672 TODA, J., NAKATANI, H., and WADA, S. Studies on phosphatases in foods. 5. Separation of acid phosphatases in wheat flour. (Ja) Jap. Soc. Food Nutr. J. 19(3):175-179. Ref. Sept. 1966. 389.9 J27
- 35673 English summary.
- 35673 VENTURI, G. Competitive grain culture. (It) Raccolto 7(9):138-140. Sept.30,1966. 16 R11
- 35674 Industry.
- 35674 VIGEN, J. W. Analysis of demand for wheat in the European Economic Community with projections to 1970 and 1975. Diss. Abstr., Sect. A, 27(1):14A. July 1966. Z5055.U49D5
- 35675 WADE, P., and ELTON, G. A. H. Flour properties relating to the manufacture of semisweet biscuits. Cereal Sci. Today 12(1):8-9,15-16. Jan.1967. 59.8 C333
- 35676 WAGENINGEN, INSTITUUT VOR GRAAN, MEEL EN BROOD TNO. Jaarverslag [Annual report] 1965. Wageningen, 1966. 68 p. 389.9 Ut72
- 35677 WATSON, S. A. Comparison of the wet milling properties of opaque-2 and normal dent corn. High Lysine Corn Conf. Proc. 1966:117-120. QK866.M3H5
- 35678 Discussion, p.135-138.
- 35679 WEBER, K. Recent trends in the construction of flour silos. (H) Tec. Molitoria 17(10):266-274. May 30, 1966. 298.8 Se42
- 35679 WEBER, K. Trends in flour silo construction. (Ge) Mullerei 19(17):247-248. (Cont.) Apr.23, 1966. 298.8 M91
- 35680 WICHSER, W. R. Comparison of the dry milling properties of opaque-2 and normal dent corn. High Lysine Corn Conf. Proc. 1966:104-116. QK866.M3H5
- 35681 Discussion, p.135-138.
- 35681 WIDHE, T. Swedish grain as a raw material for quality flour. (Sw) Jord—Groda—Djur 23:112-121. 1966. 11 J763
- 35682 Barley and wheat.
- 35682 WIGHTMAN, V. F. Changes in U.S. grain policies. Can. Dep. Agr. Agr. Abroad 21(6):21-26. Dec.1966. 281.9 C1642A
- 35683 WOLF, E. F. The influence of various minerals in combination with crude protein content on the sedimentation test. (Ge) Bayer Landwirt. Jahrbuch 43(4):484-492. 1966. 18 L24
- 35684 Wheat.
- 35684 WOLTER, K. Quality characteristics of wheat flour from the baking and milling viewpoints. (Ge) Muhle 103(33):553-557. Ref. Aug.18,1966. 298.8 M89
- 35685 WYSS, E. Corn—its origin and use. (Ge) Mullerei 18(24):371-372, map. (Cont.) June 12, 1965. 298.8 M91
- 35686 Production regions, varieties, and structure.
- 35686 ZWINGELBERG, H. Chemical shelling of grain. (Ge) Muhle 103(47):775. Nov.24,1966. 298.8 M89
- 35687 ZWINGELBERG, H. Comparative investigations on the milling quality of wheats with various test mills. (Ge) Muhle 104(1):5-6. (Cont.) Jan.5,1967. 298.8 M89
- 35688 ZWINGELBERG, H. Comparative research on the milling quality of wheat with various test mills. (Ge) Muhle 103(50):819-822. (Cont.) Dec.15,1966. 298.8 M89
- 35689 ZWINGELBERG, H. Comparative research on the milling quality of wheat with various test mills. (Ge) Muhle 103(51/52):845-847. (Cont.) Dec.22,1966. 298.8 M89

HONEY AND BEESWAX

- 35690 GOUGET, C. W. What is a good label? Gleanings Bee Cult. 94(10):614-616. Oct.1966. 424.8 G47
- 35690 Honey.

- 35691 HAEGER, P. M. Expanding the horizons for honey. *Amer. Bee J.* 106(10):381. Oct.1966. 424.8 Am3 Advertising.
- 35692 HELOU, J. H. The analysis of waxes in the Brazilian pharmacopoeia. II. (Por) Sao Paulo. Univ. Fac. Farm. Bioquim. Rev. 4(1):95-102. Ref. Jan./June 1966. 396.9 Sa623 English summary. Includes beeswax and carnauba wax.
- 35693 HOLMSTED-CHRISTENSEN, P. Sale of honey. (Da) Tidsskr. Blavl 100(11):179-180. Nov.20, 1966. 424.8 T43 Prices.
- 35694 JEANNIN, An example to follow. (Fr) *Apliculture* 110(12):238. Dec.1966. 424.8 Ap3 Honey marketing.
- LIVESTOCK AND LIVESTOCK PRODUCTS**
- 35695 BASSFORD, F. A look at the livestock future. *Nat. Ass. Anim. Breeders. Proc.*, 19th Annu. Conv.93-96. 1966. 43.9 N212 Beef cattle industry.
- 35696 BEHNKE, H. The importance of Danish swine production. (Fr) *Soc. Etudes Expansion. Rev.* 222:553-558. Sept./Oct.1966. 280.8 So17
- 35697 BLANCK, H. The meat that is different. (Sw) *Var Naring* 43(1):18,21. 1966. 44.8 M692 Reindeer's meat.
- 35698 BOOTH, R. Livestock industry expects a better deal. *Agr. Merchant* 47(1):54,58. Jan.1967. 10 Ag89 Beef industry in Great Britain.
- 35699 CALZONI, A. Technical assistance activities in the Province of La Spezia in 1965. (It) *Agr. Spezia* 14(7):112-117. (Cont.) July 1966. 16 Ag8229 Cattle, poultry, and rabbit programs.
- 35700 CHAUTEPS, B. The present situation of goat raising. (Fr) *Tech. Lait.* 53:7,11. Nov.20, 1966. 44.8 O12
- 35701 COCKRILL, W. R. Is there a future for the water buffalo? *Ceylon Vet. J.* 14(3):49-51. Sept.1966. 41.8 C33
- 35702 DYCHENKO, F., and TURUNOV, S. Meat industry in the Kirghizia. (Rus) *Myasnaya Indus. SSSR* 6:21-24. 1966. 50.8 M58
- 35703 EDYGENOV, K. New goals and the seven year period of the Kazakh SSR meat industry. (Rus) *Myasnaya Indus. SSSR* 5:17-19. 1966. 50.8 M58
- 35704 FRENCH, M. H. Aspects of animal husbandry development. *Ceylon Vet. J.* 14(3):38-40. Sept. 1966. 41.8 C33
- 35705 FRENCH, M. H. Reflections on the goat. *Ceylon Vet. J.* 14(3):43-44. Sept.1966. 41.8 C33
- 35706 GALAMINI, L. The causes of the present depression in the livestock industry. (It) *Rass. Agr. Ital.* 21(10):14-15. Oct.1966. 281.8 R18
- 35707 HEGEWALD, G., and JACKEL, J. Mechanical and electronic data processing—a contribution to management efficiency. (Ge) *Fleischereimer* 20(10):255-256. Oct.1966. 50.8 F622 Accounting in the meat industry.
- 35708 IPARRAGUIRRE, J. M. Sheep meat. (Sp) *SCRAL (Soc. Coop. Rural Argent. Ltda.)* 12 (142):382-384. Oct.1966. 9 So17
- 35709 KALIS, H. Meat market between wish and reality; stagnating swine production and increasing supply of cattle. (Ge) *Raiffeisen-Rundschau* 18(8):325-326. Aug.1966. 284.28 R132 Includes livestock statistics.
- 35710 KENYA MEAT COMMISSION. Annual report and accounts, 16th, 1965. Nairobi, 1966. 17 p. 50.9 K42
- 35711 KORKMAN, N. Agriculture in the sixties: Con-
tinued shortage of beef; increased production of broilers. (Sw) *Jord Skog* 17(10):16-17. 1965. 58.8 M373
- 35712 KOSSAKOWSKI, M. In search for good results. (Pol) *Gosp. Miesna* 18(6):22-23. June 1966. 50.8 G69 Policies for livestock and meat production.
- 35713 LARSEN, J. Regional shifts in livestock production. U. S. D. A. Econ. Res. Serv. LMS-153:23-26. Feb.1967. 1.941 S8L752 Cattle, sheep, and swine.
- 35714 LAWRIE, R. A. Meat science. Oxford, Pergamon Press, 1966. 388 p. TX373.L3 Bibliography, p.323-348.
- 35715 LITWINOWICZ, J. The American Meat Institute. (Pol) *Gosp. Miesna* 18(6):23-24. June 1966. 50.8 G59 Research.
- 35716 LORINCZ, F. Report on the XIIIth European Congress of Meat Research [Institute] (Sandefjord, 15-19. August, 1966). (Hu) *Huspar* 15 (6):270-280. Nov./Dec.1966. 50.8 H95 English summary. Includes abstracts of papers.
- 35717 LOWETH, C. E. A livestock enterprise in the fens of Wisbech. *Brit. Sugar Beet Rev.* 35(2):77-79. Dec.1966. 66.8 B77 Beef cattle.
- 35718 MAHAL, G. S., and KUMAR, S. A survey of sheep and wool production in the plains of Punjab State. *Indian J. Agr. Econ.* 21(3):65-71. July/Sept.1966. 281.8 In2
- 35719 MAITRE, P. Swine raising in France: its organization—its future. (Fr) *Nouvelles Marches Agr.* 117(study 1154):15-27, map. Nov.18, 1966. 286.8 N85 Industry.
- 35720 MUGGLI, J. Small animal raising in eastern Switzerland. (Ge) *Grune* 94(40):1454-1462. Oct.7,1966. 17 Sch9 Swine, sheep, and goats.
- 35721 NICOLAS, F. Meat production in Poland. (Fr) *Indus. Aliment. Agr.* 83(11):1501-1502. Nov. 1966. 383 As7
- 35722 NIEHAUS, H. Problems of animal finishing industry in the European Market. (Ge) *Bayer. Landwirt. Jahrbuch* 43(spec.no.1):8-19. 1966. 18 L24 Animal products in the European Economic Community.
- 35723 PAIVA PAIVA, R. E. Brief comments on the supply of meat in the country. (Sp) *BAP (Banco Agr. Pecuario) Rev. Mens.* 1(4):22-23. Mar.1965. 284.29 B2242 Production and consumption in Venezuela.
- 35724 PELLIZZARI, C. The meat problem in Italy. (It) *Rass. Agr. Ital.* 21(10):18-19. Oct.1966. 281.8 R18 Industry.
- 35725 POPIEL, R. Scientific and technological information services in meat industry. (Pol) *Gosp. Miesna* 18(8/9):32-33. Aug./Sept.1966. 50.8 G69
- 35726 RIEHL, R. Contribution a la connaissance de la charcuterie alsacienne [Contribution to the knowledge of the pork butchery in Alsace]. *Alfort. Ecole Nat. Vet.* These 62,131 p. Ref. 1966. 41.2 AL23
- 35727 STRUSKI, A. Training professional staff for the meat industry in Bialystok Province. (Pol) *Gosp. Miesna* 18(8/9):41-42. Aug./Sept.1966. 50.8 G69
- 35728 UBALDI, L. Brussels' agreement without modest considerations for the peasants. (It) *Inform. Zootec.* 13(18):743-744. Sept.30,1966. 49 In3 Includes common prices for livestock products.
- 35729 VASSERMAN, B., LEITES, V., and BRYUZGINA, G. New chemicals in conservation of hides. (Rus) *Myasnaya Indus. SSSR* 6:27-28. 1966. 50.8 M58 Chlorophenols.
- 35730 VELDMAN, M. M. Les possibilites d'elevage bovin sur le Littoral Algerien [The possibilities of cattle raising on the Algerian Coast]. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 2046,21 p. 1965. 281.9 F733E
- 35731 VENTURA, P. Observations on the possibility of producing slaughter cattle in the Trento Alto-Adige Region. (It) *Terra Trentina* 12(5):185-187. May 1966. 16 T277

- 35732 WARDA, B. Attempts to improve meat supply in rural areas. (Pol) Gosp. Miesna 18(7):6-10. July 1966. 50,8 G69
- 35733 WESTERMAN, P. A. The Kimberley beef cattle industry. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(4):206-216, map. Ref. Oct. 1966. 281,9 Au73
- 35734 WILLIAMS, W. F. The meat industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.38-67. 1966. HD9005.M6
Includes marketing and the meat packing industry.
- 35735 WILLIAMSON, R. Pig industry to-day; a special supplement in the interests of the Northern Ireland pig farmer. Farmers' J. (n.s.) 5(11):29. June 1966. 10 F2234
- 35736 WOLSKI, J. On meat economy policies in rural areas. (Pol) Gosp. Miesna 18(7):10-11. July 1966. 50,8 G69
- 35750 MACHLIK, S. M. The effect of heat on bovine myoglobin derivatives in model systems and in beef semitendinosus muscle. Diss. Abstr., Sect. B, 27(1):79B-80B. July 1966. Z5055.U49D53
To study meat changes during heating.
- 35751 MORENO BARROSO, F. F. Determinación del grado de cocimiento de la carne. 1. Por compresión de rodajas [Determination of cooking intensity in meat. 1. By compression of meat disks]. Rev. Invest. Agropecuaria. Ser. 1, Biol. Prod. Anim. 3(5):81-97. 1966. 49 R329
English summary.
Beef.
- 35752 NARAYAN, K. G. Selective agents in cultivation of Clostridia. Zentralbl. Bakteriol. Parasitenk. Infektionskrankh. Hyg. Abt. I, Orig. 201(1):57-64. Ref. Sept. 1966. 448,3 C33
From meat.
- 35753 PATTERSON, J. T. Characteristics of staphylococci and micrococci isolated in a bacon curing factory. J. Appl. Bacteriol. 29(3):461-469. Ref. Dec. 1966. 448,39 So12
Isolated from fresh pork, curing brines and bacon.
- 35754 PEZACKI, W., and others. Chemical and technological characteristics of unsalted cut lard. (Pol) Gosp. Miesna 18(8/9):4-7. Ref. Aug./Sept. 1966. 50,8 G69
Z. Duda, G. Wasilewicz, and D. Szostak, joint authors.
- 35755 ROBERTS, T. A., GILBERT, R. J., and INGRAM, M. The effect of sodium chloride on heat resistance and recovery of heated spores of Clostridium sporogenes (PA 3679/S₂). J. Appl. Bacteriol. 29(3):549-555. Dec. 1966. 448,39 So12
Isolated from meat.
- 35756 SANZ PEREZ, B., BARRADO, A. M., and GARCIA TORAL, R. Behavior of the bacterial flora during ripening of sausages. II. (Sp) An. Bromatol. 19(2/3):149-160. Ref. 1966. 389,8 An1
English summary.
- 35757 STAWICKA-CHOMIAK, D., and TYSZKIEWICZ, I. Attempts of cooking maturity determination for beef. (Pol) Gosp. Miesna 18(6):12-13. June 1966. 50,8 G69
- 35758 ZDZIESZYNSKI, L. Quick determination of salt content in meat. (Pol) Gosp. Miesna 18(6):21-22. June 1966. 50,8 G69

Analysis and Composition

- 35737 ASADOV, R. Effect of the low temperature on activities of fungi Cladosporium herbarum and Aspergillus glaucus. (Rus) Myasnaya Indus. SSSR. 5:47-48. 1966. 50,8 M58
In meat.
- 35738 BOHOSIEWICZ, M. Toxicological appraisal of meat and milk. (Pol) Med. Weter. 22(10):603-608. Oct. 1966. 41,8 M463
Review of the literature.
Insecticide residues.
- 35739 BROWNIE, L. E. Effect of some environmental factors on psychrophilic microbacteria. J. Appl. Bacteriol. 29(3):447-454. Ref. Dec. 1966. 448,39 So12
Microbacterium thermosphactum isolated from meat.
- 35740 GARDNER, G. A., and STEWART, D. J. Changes in the free amino and other nitrogen compounds in stored beef muscle. J. Sci. Food Agr. 17(11):491-496. Ref. Nov. 1966. 362 So12
- 35741 GARDNER, G. A. A selective medium for the enumeration of Microbacterium thermosphactum in meat and meat products. J. Appl. Bacteriol. 29(3):455-460. Ref. Dec. 1966. 448,39 So12
- 35742 GURAU, L., POPESCU, C., and MORA, H. Histological structure of the hides of various cattle breeds in relation to their quality after the tanning. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stint. 24:207-218. Ref. 1966. 49,9 R86L
English summary.
- 35743 GUSTAVSON, K. H. Differences in the reaction of condensed and hydrolysable tannins with collagen. Soc. Leather Trades' Chem. J. 50(12):445-453. Ref. Dec. 1966. 303,9 So12
- 35744 KANAMORI, M., UEDA, T., and GOTO, H. Studies on freeze-dried foods; changes in the lipids of freeze-dried meat and egg yolk during storage. (Ja) Jap. Soc. Food Nutr. J. 19(4):297-301. Ref. Nov. 1966. 389,9 J27
English summary.
- 35745 KARPATI, G., and ZUKAL, E. Production control on the basis of chemical composition of the raw materials. (Ge) Fleischermeister 20(10):257-259. Oct. 1966. 50,8 F622
Meat products.
- 35746 KATSUBE, Y., and IMAIZUMI, K. Differentiation of edible meat. (Ja) Jap. Vet. Med. Ass. J. 19(9):480-487, 508. Ref. Sept. 1966. 41,9 J275
- 35747 KLEIN, H., and DITGENS, K. Judging of non-specific bacteria content of muscle tests in bacteriological meat investigation. (Ge) Tierarztl. Umsch. 21(10):505-506, 509-510, 513-514. Oct. 1, 1966. 41,8 T445
Beef, veal and pork.
- 35748 KUHN, K., and EGGL, M. Electron microscopic investigations of attack of collagenase from Clostridium histolyticum on native collagen. Biochem. Z. 346(3):197-205. Ref. 1966. 364 B522
- 35749 LOTTO, A., and CUCURACHI, A. On the acid composition of lard. (It) Riv. Ital. Sostanze Grasse 43(11):499-504. Nov. 1966. 307,8 OL3
English summary.

Consumption and Utilization

- 35759 COOPER, D. E. Survey of meat trade wastes and related literature. Meat Indus. Res. Inst. Tech. Dig. 8(4/5):49-75. Aug./Oct. 1966. 50,9 M462T
A bibliography; includes use of wastes as fertilizers.
- 35760 SOBOCINSKI, M. Consumption of meat in former Kruszwica. (Pol) Poznan. Wyzsza Szkola Roln. Roczn. 22:155-171. Ref. 1965. 106,2 P872
English summary.
- 35761 TUMASYAN, A., and GULAMBARYAN, G. Dynamics of consumption of basic livestock products in Armenian SRR. (Arm) Nar. Khoz. Armenii 12:70-75. Dec. 1966. 280,8 N166
Russian summary, p.95.

Distribution, Marketing, and Transportation

- 35762 AYALA MARTIN, E. Marketing of rabbit meat. (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(9):169-173. (Cont.) Sept. 1966. 15 Sa5
Transportation, advertising and the ideal conformation for meat production.
- 35763 BIANCHI, C., and CANZIANI, P. Services of security in the sale of animals. I. (It) Veterinaria [Milano] 14(3):273-279. May/June 1965. 41,8 V6499
- 35764 CARPENTER, G. A. Progress by design in livestock marketing. Amer. Coop. 1966:84-92. 280,29 Am3A
Includes cooperative marketing and integration.

Grading, Inspection, Standardization, and Quality

- 35765 DIONNE, P. P. Commercialization of meat. (Fr) Quebec Lait. Aliment. 25(8):10, 12. Aug. 1966. 44.8 Q3
- 35766 EGERTSON, K. E. Cooperative marketing programs to meet livestock producers needs. Amer. Coop. 1966:340-349. 280.29 Am3A
- 35767 GOLLEDGE, R. G. A probabilistic model of hog marketing in east-central Iowa. Diss. Abstr., Sect. B, 27(5):1506B-1507B. Nov. 1966. Z5055.U49D53
- 35769 GOLOVKIN, N., and SHAGAN, O. Processing, transportation and storage of refrigerated meat. (Rus) Myasnaya Indus. SSSR. 6:25-27. 1966. 50.8 M58
- 35769 HEEPKKE, C. Changes in marketing operations to improve services. Amer. Coop. 1966:350-353. 280.29 Am3A
Livestock cooperatives.
- 35770 HILL, D. In Sweden: through concentration to highest production. (Ge) Raiffeisen-Rundschau 19(1):31-32. Jan. 1967. 284.28 R132
Cooperative marketing of livestock and dairy products.
- 35771 KALIS, H. The meat marketing trend continues. (Ge) Raiffeisen-Rundschau 18(7):278, 280-281. July 1966. 284.28 R132
- 35772 KALIS, H. Still many problems on the new livestock and meat law. (Ge) Raiffeisen-Rundschau 18(12):584-585. Dec. 1966. 284.28 R132
Marketing.
- 35773 KUZ'MIN, G. Expediency of the direct relation in delivering raw materials. (Rus) Myasnaya Indus. SSSR. 5:52. 1966. 50.8 M58
Purchasing of livestock.
- 35774 LOANE, M. Ministry proposals on meat marketing can do little to better farmers' lot. Farmers' J. (n.s.) 5(13):19, 28. Aug. 1966. 10 F2234
Northern Ireland.
- 35775 MCMILLAN, C. W. The cattlemen's marketing needs. Amer. Coop. 1966:333-339. 280.29 Am3A
- 35776 PANEL discussion: the future of beef in America—calf to consumer. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:125-140. 1966. 43.9 N212
Moderator: R. Goff; members: J. T. Hamilton, K. Monfort, C. E. Hellbusch, and S. Forbes.
- 35777 PASTERNAK, Y. Problemes techniques, economiques et juridiques poses par le transport d'animaux vivants par air [Technical, economic and juridical problems posed by the transport of live animals by air]. Alfort. Ecole Nat. Vet. These 17,77 p. Ref. 1966. 41.2 AL23
- 35778 PAYNE, H. M., and LOXAM, J. G. The meat (staining & sterilisation) regulations, 1960. Vet. Rec. 79(27):895-896. Dec. 31, 1966. 41.8 V641
For sales in Great Britain.
- 35779 ROTH, H. The slaughter livestock market at the year's end. (Ge) Neue Fleischer Zeitung 153/154:8-11. Dec. 24, 1966. 286.85 N39
- 35780 SHEAFFER, D. What's the score on livestock futures? Agr. Banking Financ. 9(1):48-50, 52. Jan./Feb. 1967. 284.8 B22
- 35781 THOMPSON, R. D. Federal-State agreements in livestock marketing field. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:43-44. 1966. 280.39 N213P
- 35782 U. S. CONSUMER AND STOCKYARDS SERV. PACKERS AND STOCKYARDS DIV. Record-keeping for livestock dealers under the Packers and Stockyard Act. U. S. D. A. PA-590, slightly rev., 7 p. Aug. 1966. 1 Ag84Pro
- 35783 VIRGINIA. DEPT. OF AGRICULTURE AND IMMIGRATION, DIV OF MARKETS. Fredericksburg slaughter cattle sales, 1965-1966. Richmond, 1966. 23 p. 280.3439 V81
- 35784 WARDROP, I. D. Marketing beef cattle in Australia: the present situation and possible alternatives. Australian Inst. Agr. Sci. 1:32(3): 173-177. Sept. 1966. 23 Au74
- 35785 BARNITZKI, R. Some problems of veterinary food control with regard to long-term planning. (Ge) Monatsh. Veterinarmed. 21(19):721-722. Oct. 1, 1966. 41.8 M742
English summary.
- 35786 BICA, M., and RAICU, E. Methods of the evaluation of swine carcasses. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 23:113-147. Ref. 1966. 49.9 R86L
English summary.
- 35787 CUPKA, V., and others. Comparative study of the carcass yields of swine of the Czechoslovak Improved White, Landrace and Pietrain swine breeds. (Cz) Polnohospodarstvo 12(10): 770-781. Ref. 1966. 19.5 P752
P. Majerciak, J. Poltarsky, and T. Zilla, joint authors.
English summary.
- 35789 DIFFIDENTI, G. A. Quality and grading of foods of animal origin. (It) Inform. Zootec. 13 (23):987-988. Dec. 15, 1966. 49 In3
- 35789 FERNQVIST, N. Data on cold-cuts. (Sw) Var Naring 43(1):10-11. 1966. 44.8 M692
Quality of meat products.
- 35790 FERNQVIST, N. Meat and pork as raw material for quality products. (Sw) Jord—Groda—Djur 23:30-43. 1966. 11 J763
- 35791 GLEBICKA, I. Remarks on application of quality standards in meat processing plants. (Pol) Gosp. Miesna 18(7):12-13. July 1966. 50.8 G69
- 35792 GRABOVSKII, P. M., TARASYAN, G. O., and KHARINA, YU. M. Mixed food poisoning caused by pathogenic *Staphylococcus aureus* Proteus mirabilis. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 8:95-99. Aug. 1966. 448.3 Z4
Contamination of pork.
- 35793 HAHN, K. Problems in connection with the granting of special exceptions to the standards. (Ge) Fleischmeister 20(10):259-261. Oct. 1966. 50.8 F622
Meat products.
- 35794 HEMPEL, H. Experience obtained from hygienic supervision of marketed canned meat, sausage, and fish. (Ge) Monatsh. Veterinarmed. 21(19):733-738. Oct. 1, 1966. 41.8 M742
English summary.
- 35795 KOZHEMYAKIN, N., and others. Comparative characteristics of meat and fat of castrated and noncastrated young bulls. (Rus) Myasnaya Indus. SSSR 6:52-53. 1966. 50.8 M58
V. Butyagin, N. Ivanov, and V. Listopad, joint authors.
- 35796 KOZLOWSKI, S. On possibilities of introducing changes in the system of payments for livestock. III. (Pol) Gosp. Miesna 18(6):19-21. June 1966. 50.8 G69
- 35797 MCGHEE, A. W. Can quality compete in today's beef industry? Tex. Livestock J. 26(1): 7, 30-31. Jan. 15, 1967. 49 T29
- 35799 MEO, D. Future requirements of the leather industry. Leather Manufacturer 84(1):31-33. Jan. 1967. 303.8 L484
Includes hide quality.
- 35799 PEZACKI, W., DUDA, Z., and WASILEWICZ, G. Stored-conditioned alterations in fat from split lard. (Hu) Huspar 15(6):241-247. Ref. Nov./Dec. 1966. 50.8 H95
English summary.
Includes oxidation and hydrolytic rancidity.
- 35800 POPOVA, P. P., and others. Clinical and microbiological characteristics of an outbreak of food poisonings, caused by *Salmonella typhimurium*. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 3:140-142. Aug. 1966. 448.3 Z4
L. E. Brodov, I. Zh. Balakina, C. V. Ponomareva, and B. F. Sidorenko, joint authors.
Meat.
- 35801 RODRIGUEZ REBOLLO, M., and GONZALEZ VAZQUEZ, C. Beta-galactosidase determinations in Enterobacteriaceae and their application to the sanitary inspection of meat. (Sp) Spain. Patronato Biol. Anim. Rev. 10(2):143-157. Ref. Sept. 1966. 49.9 Sp16
English summary.

- 35802 SEYBT, J. Socialist emulation in the veterinary inspectorate of Berlin for intensified veterinary food control. (Ge) Monatsh. Veterinarmed. 21(19):723-726. Oct. 1, 1966. 41.8 M742
English summary.
- 35803 SWIETANOWSKI, R. Efficiency improvement as main goal for the activities of meat inspection services. (Pol) Gosp. Miesna 18(8/9):25-27. Aug./Sept. 1966. 50.8 G69
- 35804 TAGIROV, KH. Veterinary and sanitary evaluation of veal affected by white muscle disease. (Rus) Myasnaya Indus. SSSR, 5:53-56. 1966. 50.8 M58
- 35805 TYSZKIEWICZ, S. Attempts to determine relationship between meat tenderness and its mechanical properties. (Pol) Gosp. Miesna 18(8/9):22-24. Aug./Sept. 1966. 50.8 G69
- 35806 VIRAGH, A. Black spots on canned-cured pork products. (Hu) Husigar 15(6):267-269. Nov./Dec. 1966. 50.8 H95
English summary.

Packing and Packaging

- 35807 AGOSTINO, T. S. The use of artificial covers in the industry of meat preservation. (It) Veterinaria [Milano] 15(2):88-97. Mar./Apr. 1966. 41.8 V6499
Various plastics.

Prices, Price Control, and Rationing

- 35808 MCLAUCHLAN, G. Price rises forecast as pig production drops. New Zeal. J. Agr. 113(1):27, 29. July 1966. 23 N48J
- 35809 MERCURIALI, G. Many flocks in the Apennines. (It) Esso Agr. 15(5):22-23. Oct. 1966. 58.8 Es7
Chiefly on prices of sheep products.
- 35810 STENT, W. R. An analysis of the price of British beef. J. Agr. Econ. [Reading] 18(1):121-131. Jan. 1967. 281.9 Ag8
- 35811 ZOOTECHNICS influences prices. (It) Esso Agr. 15(5):6-7. Oct. 1966. 58.8 Es7
Interview with S. Rossi on livestock products' prices.

Processing and Storage

- 35812 BRONSON, H. E. The developing structure of the Saskatchewan meat packing industry: a study of economic welfare. Diss. Abstr., Sect. A, 27(5):1167A. Nov. 1966. Z5055.U49D5
- 35813 COOPER, M. T. Ways of preserving home-killed meat. New Zeal. J. Agr. 113(4):91, 93. Oct. 1966. 23 N48J
Includes freezing.
- 35814 COUSTON, E. M. Curing sheep skins for rugs. New Zeal. J. Agr. 113(4):97. Oct. 1966. 23 N48J
- 35815 CRAMER, C. L. Meat packing; comparison of some costs and other economic factors of the industry in St. Louis with those in other areas. Mo. Agr. Exp. Sta. Spec. Rep. 52, 20 p. Feb. 1965. 100 M693Sp
- 35816 DYETT, E. J., and SHELLEY, D. The effects of sulphite preservative in British fresh sausages. J. Appl. Bacteriol. 29(3):439-446. Ref. Dec. 1966. 448.39 So12
- 35817 EARLE, R. L., and FLEMING, A. K. Cooling and freezing of lamb and mutton carcasses. I. Food Technol. 21(1):79-84. Jan. 1967. 389.8 F7398
- 35818 ENGEL, K., STEINER, K., and ALBRECHT, W. New building of the Nordhausen meat production factory. (Ge) Fleischermeister 20(10):266-269. Oct. 1966. 50.8 F622
- 35819 FIRGER, I. Using skim milk in processing cooked sausages. (Rus) Myasnaya Indus. SSSR, 5:39-40. 1966. 50.8 M58
- 35820 GOLOVKIN, N., and LOGHINOV, L. Rational conditions for the refrigeration of meat. (Rum) Indus. Aliment. 17(6):306-308. June 1966. 389.8 In26
- 35821 HIRSEKORN, A. Protein properties and their importance in the meat treatment and manufacturing process. (Ge) Fleischermeister 20(10):272-274. Oct. 1966. 50.8 F622
- 35822 HUTCHISON, E. A. Variety exists in mutton and lamb. New Zeal. J. Agr. 112(6):82-83. (Concl.) June 1966. 23 N48J
Meat cuts and how to cook them.
- 35823 KARAMARSKII, F. Production line for manufacture of liver sausages. (Rus) Myasnaya Indus. SSSR, 5:40-41. 1966. 50.8 M58
- 35824 KOMKOV, I., DIVINSKII, A., and STEFANOV, A. Use of the monoethanolamines of the synthetic carboxylic acid to intensify effectiveness of the disinfectants. (Rus) Myasnaya Indus. SSSR, 5:32-33. 1966. 50.8 M58
Meat industry.
- 35825 KOSOI, V., and GORBATOV, A. Effect of temperature on structure and mechanical properties of sausage meat. (Rus) Myasnaya Indus. SSSR 6:47-48. 1966. 50.8 M58
- 35826 MOSSEL, D. A. A., KAMPPELMACHER, E. H., and NOORLE JANSEN, L. M. VAN. Verification of adequate sanitation of wooden surfaces used in meat and poultry processing. Zentralbl. Bacteriol. Parasitenk. Infektionskrankh. Hyg. Abt. I, Orig. 201(1):91-104. Ref. Sept. 1966. 448.3 C33
To control Salmonella.
- 35827 MUTHIAH, P. L., MOHANARADHAKRISHNAN, V., and SELVARANGAN, R. Chrome and vegetable soles—a comparative study. Tanner 21(2):47, 49. July 1966. 303.8 T15
Tanning and physical properties of leather; in India.
- 35828 NADZHAFOV, I. G. Results of a three year sanitation project in an intensive taeniarrhynchosis focus in Azerbaijan SSR. (Rus) Med. Parazit. Parazitarn. Bolezni 35(5):560-563. Sept./Oct. 1966. 448.8 M469
English summary.
Due to infected beef by cattle tapeworm.
- 35829 NAKANISHI, T. Chikusan-butsu riyō-gaku [Studies on the utilization of animal products]. Tokyo, Asakura Shoten, 1966. 224 p. TS1955.N3
Processing hides and skins.
- 35830 PEZACKI, W. Principles in planning the amount of gelatin in tinned foods. (Pol) Med. Weter. 22(10):609-612. Ref. Oct. 1966. 41.8 M463
Ham.
- 35831 PYCIA, R. The technique of planning and analyzing meat products manufacture. (Pol) Gosp. Miesna 18(6):14-16. June 1966. 50.8 G69
Chiefly production costs.
- 35832 RADKEVICH, D. Effects of acid on conversion of the collagen into gelatin. (Rus) Myasnaya Indus. SSSR, 5:50-51. 1966. 50.8 M58
- 35833 RADKEVICH, D. Effect of acids on transformation of collagen into gelatin. (Rus) Myasnaya Indus. SSSR 6:48-51. 1966. 50.8 M58
- 35834 RIEMANN, H. Developing a program for a canned cured meat product. Poultry Egg Further Process. Conf. [Proc.] 1965:41-47. 280.3479 N47
- 35835 RODEAUD, J. Notes on the methods of determining iron and copper in vegetable tanning extracts. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Bull. Doc. Inform. 28(11):307-323. Ref. Nov. 1966. 303.8 B87
- 35836 RYBA, J., and LENDA, T. Economic effects of applying a new technology in canned ham and shoulder production. (Pol) Gosp. Miesna 18(7):3-6. July 1966. 50.8 G69
Costs.
- 35837 SCHIPP, K. The collecting of calf stomachs saves money. (Ge) Fleischermeister 20(10):269-270. Oct. 1966. 50.8 F622
Use for rennet manufacture.

- 35839 SCHREITER, M. Experiments with organic acids intended as disinfectants in the meat processing industry. (Ge) *Monatsh. Veterinarmed.* 21(19):738-748. Ref. Oct.1,1966. 41.8 M742 English summary.
- 35839 TURCZYN, J. Effectiveness of the new technique for canned ham and shoulder production. (Pol) *Gosp. Miesna* 18(8/9):27-31. Aug./Sept. 1966. 50.8 G69 Yields and costs.
- 35840 VISMARA, F. Situation and prospects of the meat packing industry. *Rev. Econ. Cond. Italy* 20(3):203-210. May 1966. 280.8 R3236 Italy.
- 35841 VISWANATHAN, N. Some thoughts on the rapid tannage of sole leather. *Tanner* 21(2):43-45,58. July 1966. 303.8 T15 India.
- 35842 VILMEREN, P. J. VAN, and KOOPMAN, R. C. Investigations on side leather manufacture. *Leather Manufacturer* 84(1):27-30. (Concl.) Jan.1967. 303.8 L484
- 35843 ZDZIESZYNSKI, L. Yields and losses when processing bones for gelatin production. (Pol) *Gosp. Miesna* 18(6):13-14. June 1966. 50.8 G69
- 35844 ZSCHOCHE, H. Directions for boiled sausage production. (Ge) *Fleischermeister* 20(10):271. (Cont.) Oct.1966. 50.8 F622
- Statistics
- 35845 CANADA. BUR. OF STATISTICS. Slaughtering and meat processors, 1964. Ottawa, 1966. 41 p. (Annual Census of Manufacturers) 50.9 C163
- 35846 CUMMING, J. N. The effects of the 1965-66 drought on sheep numbers, and the expected rate of recovery. Australia. *Bur. Agr. Econ. Quart. Rev. Agr. Econ.* 19(4):169-176. Oct. 1966. 281.9 Au73
- 35847 ITALY. ISTITUTO CENTRALE DI STATISTICA. Annuario di statistiche zootecniche [Live-stock statistics annual], Vol. V, 1964. Roma, 1966. 155 p.,map. 26f 11U5A
- 35848 KLINGBERG, R. Reduced cattle slaughter and increased swine slaughter in 1965. (Sw) *Lantmannen* 77(2):24-25. Jan.22,1966. 11 L234 Beef and pork statistics.
- OILS AND OILSEEDS
- 35849 ALMQUIST, H. J., CHRISTENSEN, H. L., and MAURER, S. Sulfide liberation from raw soybean protein. *Soc. Exp. Biol. Med. Proc.* 122(3):913-914. July 1966. 442.9 S61
- 35850 BENEDETTI, E., BUONCRISTIANI, D., and SALVADORINI, R. Malic anhydride in edible oil refining. (It) *Riv. Ital. Sostanze Grasse* 43(11):496-498. Nov.1966. 307.8 OL3 English summary.
- 35851 BONAR, A. R. Analytical standards for cocoa butter. *Rev. Int. Choc.* 21(12):570,572,574-578, 580,582-585. Dec.1966. 68.38 R32 Text also in French and German.
- 35852 CASH, L. S. Four decades of vegetable oils. *Meggett Leadership* 18:2-4. Jan./Mar.1967. 308.8 M47
- 35853 COSTANZO, N., and SAMEH, I. PAT method for determination of raw linseed oil foots; report No. 3. (Sp) *Inform. Grasas Aceites. Bol.* 4(6):253-255. Aug.1966. 307.8 In3
- 35854 CRAWFORD, D. L. Malonaldehyde: certain chemical and biological properties. *Diss. Abstr., Sect. B*, 27(1):203B. July 1966. Z5055.U49D53 Associated with oxidative deterioration of food lipids.
- 35855 CRISTINI, B. J. C., BARUFFALDI, R., and AKISUE, G. Study on the extraction and composition of *Eucalyptus citriodora* oil. (Por) *Sao Paulo. Univ. Fac. Farm. Bioquim. Rev.* 4(1):119-136. Ref. Jan./June 1966. 396.9 Sa623 English summary.
- 35856 DECOURCY, J. World production and trade: tallow and greases. U. S. Foreign Agr. Serv. *FAAS-M-182*, 28 p. Jan.1967. A281.9 F76Fm
- 35857 FAHMY, M. Quantity and quality of olive oil as affected by pressure of hydraulic press. *Agr. Res. Rev.* 43(1):16-19. Jan.1966. 24 Eg94
- 35858 FEDELI, E., LANZANI, A., and JACINI, G. The minor components of the unsaponifiable of the various anatomical parts of the soybean. (It) *Riv. Ital. Sostanze Grasse* 43(11):509-511. Nov.1966. 307.8 OL3 English summary.
- 35859 FISCHBECK, C. L. Reunion oil geranium. *Drug Cosmet. Indus.* 100(2):53,54-55. Feb. 1967. 396.8 D842
- 35860 FLETCHER, L. B., and KRAMER, D. D. The soybean processing industry. In: Moore, J. R., and Walsh, R. G., ed. *Market structure of the agricultural industries*, p.225-248. Ref. 1966. HD9005.M6 Includes marketing.
- 35861 FONTANA, P., and COLAGRANDE, O. Decoloration of oils; study of simple methods. (It) *Riv. Ital. Sostanze Grasse* 43(11):480-484. Ref. Nov.1966. 307.8 OL3 English summary. Olive oil.
- 35862 GARGANO, A. Spectrophotometry and gas chromatography in the analysis of fats. (It) *Cronache Econ.* 285:71-74. Sept.1963. 280.8 C882
- 35863 HUGHES, A. D. DE. Comments on the bringing up to date of some IRAM standards on oils. (Sp) *Inform. Grasas Aceites. Bol.* 4(3):101-104. May 1966. 307.8 In3
- 35864 KAWAMURA, S. I., TADA, M., and NARASAKI, T. Sugars of the cotyledon, hull, and hypocotyl of soybeans. (Ja) *Jap. Soc. Food Nutr. J.* 19(4):268-275. Ref. Nov.1966. 389.9 J27 English summary.
- 35865 KETERSON, J. W., and HENDRICKSON, R. Curing Florida grapefruit oils. *Amer. Perfumer Cosmet.* 82(1):37-40. Jan.1967. 308.8 Am3
- 35866 KOSHIYAMA, I. Purification of the 7S component of soybean proteins. *Noda Inst. Sci. Res. Rep.* 10:1-3. Ref. 1966. 330.9 N67
- 35867 KRISHNAMURTHY, R. G. Isolation and identification of the volatile decomposition products produced from corn oil under simulated restaurant deep fat frying conditions. *Diss. Abstr., Sect. B*, 27(1):79B. July 1966. Z5055.U49D53
- 35868 KROMER, G. W. What the oil and protein data mean. *Agr. Situation [Washington]* 51(2):13. Feb.1967. 1 Ec7Ag Soybean analysis.
- 35869 LASORSA, P. Olive oil protection through the regulations of the European Common Market. (It) *Accad. Naz. Agr. Ann.* 77(2):85-87. 1966. 16 B632A
- 35870 LIS, H., and others. Multiple hemagglutinins in soybeans. *Arch. Biochem. Biophys.* 117(2):301-309. Ref. Nov.1966. 381 Ar2 C. Fridman, N. Sharon, and E. Katchalski, joint authors.
- 35871 LOWELL, F. R. Profits in soybeans, edited by C. W. Keltner. Kansas City, Missouri, Keltner Technical Service, 1966. 316 p. HD9235.S6L6 Prices and statistics.
- 35872 LUOTTI, E. Continuous depuration of crude expressed oils by Sharples system. (It) *Riv. Ital. Sostanze Grasse* 43(11):494-495. Nov.1966. 307.8 OL3 English summary. Centrifuging.
- 35873 MARTINENGI, G. B. New techniques for improved fat and oil quality. (Sp) *Inform. Grasas Aceites. Bol.* 4(3):89-92. May 1966. 307.8 In3 Extraction and refining.
- 35874 NIYOGY, S. C. A note on the anticholesterol activity of safflower oil. *Indian J. Exp. Biol.* 4(2):121-122. Apr.1966. 442.8 In2

- 35875 ORSETI DE ASENSIO, M. C. Epoxidation of linseed oil. (Sp) Inform. Grasas Aceites. Bol. 3(9):38. Nov.1965. 307.8 In3
- 35876 PALLAVICINI, C. Analysis of olive oils from the Euganean and Berici Hills. (It) Agr. Venezie 20(10):493-499. Oct.1966. 16 Ag826
Chemical composition and gas chromatography.
- 35877 PARELLADA, E. J. Prospects of peanut culture. (Sp) Inform. Grasas Aceites. Bol. 4(5):200-203. July 1966. 307.8 In3
English summary, p.177.
Argentina.
- 35879 PAULINO, L. A. A recursive model of the United States domestic soybean market. Diss. Abstr., Sect. A, 27(5):1164A. Nov.1966. Z5055.U49D5
- 35879 PIFFERI, P. G. On the composition of cherry stone oil. (It) Riv. Ital. Sostanze Grasse 43 (11):505-508. Nov.1966. 307.8 Ol3
English summary.
- 35880 POTAPOV, KH. Production of oilseeds in the countries—members of the Council for Mutual Economic Assistance. (Rus) Ekon. Sel'skogo Khoz. 9:107-110. Sept.1966. 281.8 So73
- 35881 RABEMANANJARA, J. The fats balance in Madagascar. (Fr) Soc. Etudes Expansion. Rev. 22:571-578. Sept./Oct.1966. 280.8 So17
- 35882 SAIO, K., and WATANABE, T. Preliminary investigation on protein bodies of soybean seeds. Agr. Biol. Chem. 30(11):1133-1138. Ref. Nov. 1966. 385 Ag8B
- 35883 SAMEH, F. Fractionation of linseed oil. (Sp) Inform. Grasas Aceites. Bol. 3(9):36-38. Nov. 1965. 307.8 In3
- 35884 SAMEH, I. Fractionation of linseed oil. (Sp) Inform. Grasas Aceites. Bol. 4(5):207-208. July 1966. 307.8 In3
- 35885 SELIM, A. S. M., EL-HAWARI, Z., and HASSAN, A. The amino acid pattern of pattern of Lupinus termis and Cyperus esculentus. J. Chem. United Arab Repub. 9(1):117-123. 1966. 385 Eg93
Nutritive value for food.
- 35886 SELIM, A. S. M., ZAKI, I., and HASSAN, A. The amino acid pattern of some edible seeds of Cucurbitaceae. J. Chem. United Arab Repub. 9(1):103-115. Ref. 1966. 385 Eg93
- 35887 SHEARER, G., and BLAIN, J. A. Comparison of antioxidants in primary and secondary oxidations. J. Sci. Food Agr. 17(12):533-536. Dec.1966. 382 So12
- 35889 SUBRAMANIAN, N. Utilization of cottonseed flour. J. Food Sci. Technol. [Mysore] 3(2):71. July 1966. 389.8 J823
- 35889 SVESHCHAROVA, M. Proteins of sunflowers. II. Composition of non-protein fraction of nitrogen. (Bu) Viss Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):309-313. 1965. 106.3 P72
German summary.
Seed proteins.
- 35890 VISWANATHAN, K., and others. Molecular distillation. I. Oils and Oilseeds J. 19(4):6-9. Ref. Oct.1966. 307.8 Ol54
G. Azeemuddin, B. A. R. Somayajulu, and S. D. T. Rao, joint authors.
- 35891 WEIGEL, K. Oil-containing paints. (Ge) Seifen-Ole-Fette-Wachse 92(25):946. (Cont.) Dec.7,1966. 307.8 Se4
- 35892 ZENI, E. The importance of soybean culture in Argentina's agricultural future. (Sp) Inform. Grasas Aceites. Bol. 4(5):194-199. July 1966. 307.8 In3
English summary, p.177.
- 35893 ZUSEVICS, J. A. Oilflachsenbau und Oilflachsverwertung mit besonderer Berücksichtigung der Weltproduktion und Marktlage [Oil flax culture and processing with special attention to world production and market situation]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 2, 156 p.,map. 1966. 105.8 B644
Bibliography, p.145-156.

POULTRY AND POULTRY PRODUCTS

- 35894 ADAMS, E. International standardisation of shell eggs and egg products. World's Poultry Congr. Proc., 13th Congr.:584-586. 1966. SF481.W6
- 35895 BARRETT, G. Regulation of egg marketing. (It) Avicoltura 35(2):123,125. Feb.1966. 47.8 R523
French summary, p.68.
In Great Britain.
- 35896 BERGGREN, F. Ideas for more success in selling. Poultry Meat 3(2):76. Feb.1966. 47.8 P8656
- 35897 BLUESTONE, H. Egg outlook for '67. Poultry Trib. 73(1):17,46. Jan.1967. 47.8 P8642
- 35898 BOWDEN, O. H. Progress by design in broilers, feed and related services. Amer. Coop. 1966:93-98. 280.29 Am3A
Marketing of broilers by the Cotton Producers Association, Atlanta, Ga.
- 35899 BROGGI, A. Meat for Venice. (It) G. Pollicolatori 15(12):48-50. Dec.1965. 47.8 G43
Especially poultry and rabbit meat.
- 35900 BROWN, S. L., and ZABIK, M. E. Effect of heat treatments on the physical and functional properties of liquid and spray-dried egg albumen. Food Technol. 21(1):87-92. Ref. Jan. 1967. 389.8 F7398
- 35901 BRYAN, F. E. U.S. poultry industry is eye-opener to Soviet visitor. Poultry Meat 3(6):52, 54,56. June 1966. 47.8 P8656
Includes information on the improvement of the poultry industry in the Soviet Union.
- 35902 CAMP, A. A. Utilizing by-products is big business. Poultry Meat 3(9):54. Sept.1966. 47.8 P8656
Waste utilization.
- 35903 CAMPBELL, D. Overproduction confronts Australian poultry boom. Poultry Internat. 6(1):36-38,map. Jan.1967. 47.8 P8698
- 35904 CANFIELD, R. E., and MCMURRY, S. Purification and characterization of a lysozyme from goose egg white. Biochem. Biophys. Res. Commun. 26(1):36-42. Ref. Jan.10,1967. 442.8 B5236
- 35905 CHAREST, G. Infection with Saint Paul Salmonella in an institution. (Fr) Can. J. Public Health 57(11):525-526. Nov.1966. 449.8 P964
English summary.
From turkey meat.
- 35906 CORNOLDI, G. Raising of the meat turkey: the great poultry industry of tomorrow. (It) Avvenire Agr. 74(12):286-292. Dec.1966. 16 Av9
- 35907 COVELL, F., and others. Industry leaders look at '66. Poultry Meat 3(1):B18-B20,B22. Jan.1966. 47.8 P8656
Poultry industry.
- 35908 CREGER, C. R., and others. The determination of Sr⁸⁹ in biological samples. Int. J. Appl. Radiat. Isotopes 18(1):71-75. Jan.1967. 334.8 In84
M. N. A. Ansari, J. R. Couch, and L. B. Colvin, joint authors.
Poultry tissues, eggs, and feathers included.
- 35909 DEGOLA, G. The poultry economy of the Province of Reggio Emilia. (It) G. Pollicolatori 15 (11):104-106,108. Nov.1965. 47.8 G43
- 35910 DREWS, H. E. Continuous byproduct rendering. Poultry Meat 4(2):42-43,48. Feb.1967. 47.8 P8656
- 35911 DREWS, H. E. New processing requirements push new equipment developments. Poultry Meat 3(4):36-37. Apr.1966. 47.8 P8656
Broilers and turkeys.
- 35912 DUTTLINGER, E. On the border of poultry raising. (Ge) Grune 94(45):1655-1657. Nov.11, 1966. 17 Sch9
Feed costs and egg marketing in Switzerland.
- 35913 EHDE, G. The Russians try to develop a modern poultry industry according to Western pattern. (Sw) Svensk Husdjurskotsel Ladugard. 2:65. Feb.1966. 44.8 L12
- 35914 EILENBERG, T. R. How to develop a marketing plan. Poultry Meat 3(2):22-24. Feb.1966. 47.8 P8656

- 35915 FERETTINI, E. The inclusion of Italian poultry raising in the European Common Market. (It) Accad. Naz. Agr. Ann. 77(2):80-84. 1966. 16 B632A
- 35916 FRANEK, B. The development of poultry raising up to 1970 and the role of state farms. (Cz) Statni Statky 9(3):46-47. 1966. 19.5 St2
- 35917 GRABOWSKI, T., and WCISLO, H. Poultry meat processing. 2. Cured products. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. Biul. Inform. 7(2):93-99. Ref. June 1965. 47.9 P87
- 35918 HANSEN, E. H. Egg pricing study report. Nat. Ass. Marketing Offic. Dir. Rep., 47th Annu. Conv.:41-42. 1966. 280.39 N213P
- 35919 HASKETT, J. Can business consultants benefit poultry firms? Poultry Meat 3(1):B68-B70. Jan.1966. 47.8 P8656
- 35920 HAUVER, W. E. Comments on labeling—labeling of poultry and poultry products. Poultry Egg Further Process. Conf. [Proc.] 1965:18-22. 280.3479 N47
- 35921 HEFFERNAN, B. E. How to get your share of the military market. Poultry Meat 3(9):A-32, A-34. Sept.1966. 47.8 P8655
- 35922 HENRY, W. R. Who will own housing—integrator or farmer? Broiler Indus. 30(1):40,42-43. Jan.1967. 47.8 N45
- 35923 HERBERT, J. Costs and returns in relation to taxes. HERBERT, J. USDA may build broiler plant in Ala. Poultry Meat 3(11):67-68. Nov.1966. 47.8 P8656
- 35924 HERBERT, J. With U. S. Economic Development Administration cooperation. HERBERT, J. What can we expect from Congress? Poultry Meat 3(2):16-18,20. Feb.1966. 47.8 P8656
- 35925 HERBERT, J. Where will our markets and labor be in 1975? Poultry Meat 3(9):110,112, 114, map. Sept.1966. 47.8 P8656
- 35926 HOUK, H. Turkeymen face sharply lower profits. Poultry Meat 3(9):A-20-A-21, A-65. Sept. 1966. 47.8 P8656
- 35927 HULTIN, H. O., and WESTORT, C. Factors affecting the distribution of lactate dehydrogenase between particulate and nonparticulate fractions of homogenized skeletal muscle. Arch. Biochem. Biophys. 117(3):523-533. Ref. Dec.1966. 381 Ar2
- 35928 INSTITUTE OF AMERICAN POULTRY INDUSTRY. Fact finding conference, 37th, 1966. Poultry Meat 3(3):16,18,20,24-25,28,30,38,42, A58-A59. Mar.1966. 47.8 P8656
- 35929 JABAT, J. V. Red China intensifies drive to popularize poultry. Poultry Internat. 6(1):40, 42-43, map. Jan.1967. 47.8 P8698
- 35930 JACKSON, M. E., MITCHELL, J. D., and WALKER, M. L. Buying quality eggs. Kans. State Univ. Ext. C-364, 8 p.-folder. Nov.1966. 275.29 K13EX
- 35931 JASPER, A. W. The benefits and problems of integration. Poultry Internat. 6(1):30-32,34-35. Jan.1967. 47.8 P8698
- 35932 JASPER, A. W. Contracts for table egg production in the United States. World's Poultry Congr. Proc., 13th Congr.:587-590. 1966. SF481.W6
- 35933 JUNGK, R. A. What contamination means to turkey processors. Poultry Meat 3(11):A64-A65. Nov.1966. 47.8 P8656
- 35934 KISS, I., and FARKAS, J. The extension of the shelf-life of poultry by the combined application of tetracycline-1-dodecyl-4-benzene-sulfonic acid and gamma-radiation. (Fr) Int. J. Appl. Radiat. Isotopes 18(1):65-69. Ref. Jan. 1967. 334.8 In84
- 35935 LARKIN, R. C. Industry warned: excessive breeders spell low prices. Poultry Meat 3(2): A72-A74. Feb.1966. 47.8 P8656
- 35936 LEVY, C. A., CONCHIE, J., and HAY, A. J. The heterogeneity of ovalbumin glycopeptide. Biochim. Biophys. Acta 130(1):150-154. Ref. Nov.29,1966. 381 B522
- 35937 LIEBERMAN, S. A distributor looks at broiler distribution. Poultry Meat 3(9):78-80,82. Sept.1966. 47.8 P8656
- 35938 LINEWEAVER, H., and others. Heat stability of egg white proteins under pasteurizing conditions that kill Salmonella. World's Poultry Congr. Proc., 13th Congr.:624. 1966. SF481.W6
- 35939 MARSHALL, J. H. The world food situation and the poultry industry—some economic and nutritional considerations. World's Poultry Congr. Proc., 13th Congr.:626-627. 1966. SF481.W6
- 35940 MAY, K. Plastic coops show promise. Poultry Meat 3(1):B58-B60, B62. Jan.1966. 47.8 P8656
- 35941 MAY, K. N. Hot weather steps up meat spoilage. Poultry Meat 3(6):58-59. June 1966. 47.8 P8656
- 35942 MAY, K. N., and HUDESPETH, J. P. A study of emulsifying capacity of soluble proteins from various poultry meats. World's Poultry Congr. Proc., 13th Congr.:631. 1966. SF481.W6
- 35943 MCLUCKIE, V. Egg buying guides for consumers. Md. Univ. Ext. Leaf. 32, 6 p.-folder. Feb.1965. 275.29 M36EL
- 35944 NICHOLS, T. E. Containerized shipments can cut transportation costs. Poultry Meat 3(7):16-18,20. July 1966. 47.8 P8656
- 35945 NOBUHARA, A., and MATSUI, M. Syntheses of compounds possessing chicken-flavor. Agr. Biol. Chem. 30(11):1087-1089. Nov.1966. 385 Ag8B
- 35946 PALCA, H. Statistics required for shell egg pricing decisions by a centralized marketing board. World's Poultry Congr. Proc., 13th Congr.:591-595. 1966. SF481.W6
- 35947 PALMER, H. H. The influence of processing on texture and flavor of poultry meat. Poultry Egg Further Process. Conf. [Proc.] 1965:60-67. Ref. 280.3479 N47
- 35948 PANDA, B., SUBBARAO, D. S., and BALIGA, B. R. Studies on the effect of different coating materials on the keeping quality of eggs preserved at room temperature. World's Poultry Congr. Proc., 13th Congr.:646. 1966. SF481.W6
- 35949 PERKES, J. As winter blasts begin, egg and pigment production difficulty in E.E.C. [European Economic Community]. Farmers' J. (n.s.)5(17):19. Dec.1966. 10 F2234
- 35950 PERKES, J. B.E.M.B. [British Egg Marketing Board] will have to get off high horse. Farmers' J. (n.s.)5(13):35. Aug.1966. 10 F2234
- 35951 PERKES, J. Come off the fence. Farmers' J. (n.s.)5(3):54. Oct.1,1965. 10 F2234
- 35952 PERKES, J. Egg marketing in Northern Ireland. PERKES, J. Consumer demand determines profit. Farmers' J. (n.s.)5(11):39. June 1966. 10 F2234
- 35953 PERKES, J. Egg producers are pioneers of farming industry. Farmers' J. (n.s.)5(7):45. Feb.1966. 10 F2234
- 35954 PERKES, J. How long can farmers take reductions in egg prices? Farmers' J. (n.s.)5(10):45. May 1966. 10 F2234
- 35955 PERKES, J. Is Egg Board [British Egg Marketing Board] to change policy? Farmers' J. (n.s.)5(12):35. July 1966. 10 F2234
- 35956 PERKES, J. Statistics can point the way. Farmers' J. (n.s.)5(6):47. Mar.1966. 10 F2234
- 35957 PERKES, J. There is control and free enterprise conflict among egg producers. Farmers' J. (n.s.)5(16):22. Nov.1966. 10 F2234

- 35958 PERKES, J. Toby's tale. Farmers' J. (n.s.)5 (5):44,46. Dec.1965. 10 F2234
Egg marketing in Northern Ireland.
- 35959 PERKES, J. Vengeance of God and Government never ends. Farmers' J. (n.s.)5(9):49. Apr.1966. 10 F2234
Egg industry in Northern Ireland.
- 35960 PETRESCU, E., VASILESCU, L., and CIOBANU, C. A new technological method for finishing the plucking of palmipeds. (Rum) Indus. Aliment. 17(7):353-356. July 1966. 389.8 ln26
English summary, p.2 following p.384.
Poultry meat.
- 35961 PINNEY, C. F. Eggs for food processors today and tomorrow. Poultry Egg Further Process. Conf. [Proc.] 1965:68-70. 280.3479 N47
Frozen and dried.
- 35962 POULTRY AND EGG FURTHER PROCESSING CONFERENCE, UNIVERSITY OF CALIFORNIA, DAVIS CAMPUS, 1965. [Proceedings.] n.p., 1965? 88 p. Ref. 280.3479 N47
- 35963 PRINGLE, V., and others. Tom prices put through the wringer—turkey industry leaders sound off. Poultry Meat 3(1):T24-T27,T82. Jan.1966. 47.8 P8656
- 35964 PURSCHEL, M. New titan-yellow reaction method for distinction of fowl and duck eggs. (Ge) Monatsh. Veterinarmed. 21(19):748-750. Oct.1,1966. 41.8 M742
English summary.
- 35965 RASKOPF, B. D. Factors that influence broiler consumption. Poultry Meat 3(4):60,62. Apr.1966. 47.8 P8656
- 35966 RICHARDSON, D. I. S. International egg statistics progress achieved by the International Egg Commission 1962—1966. World's Poultry Congr. Proc., 13th Congr.:569-572. Ref. 1966. SF481.W6
- 35967 RICHTER, J. USDA study predicts integration to surge ahead in turkey industry. Poultry Meat 3(1):T86-T89. Jan.1966. 47.8 P8656
- 35968 ROGERS, P. J. B. Heat induced changes in turkey muscle as related to moisture retention. Diss. Abstr., Sect. B, 27(5):1531B. Nov.1966. Z5055.U49D53
- 35969 ROSITO, F. The Italian poultry situation. (It) Allevatore 22(28):4. July 10,1966. 49 AL55
- 35970 ROSSI, B. Outlook for aviculture in Brittany. (It) Avicoltura 35(1):107-110. Jan.1966. 47.8 R523
French summary, p.69.
- 35971 ROUND table of assessors of provisions, Forli. 1965. (It) G. Pollicoltori 15(10):98-106. Oct. 1965. 47.8 G43
Reports of R. Ascari R., O. Mammi, and L. Beltrami on the poultry meat market, production and consumption.
- 35972 ROY, E. P. The broiler chicken industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p.68-100, map. Ref. 1966. HD9005.M6
- 35973 ROY, E. P. Broiler production may double by 1975. Poultry Meat 4(2):60-62. Feb.1967. 47.8 P8656
- 35974 ROY, E. P. Contracts based on efficiency most profitable for growers. Poultry Meat 3 (5):26-27. May 1966. 47.8 P8656
- 35975 ROY, E. P. How does poultry stack up in the competitive meat race? Poultry Meat 3(6):22-24. June 1966. 47.8 P8656
Consumption; includes statistics.
- 35976 ROY, E. P. What are the trends in rates of condemnation? Poultry Meat 3(2):26-28. Feb. 1966. 47.8 P8656
- 35977 ROY, E. P. What trends will affect broiler-men? Poultry Meat 3(7):26,28. July 1966. 47.8 P8656
- 35978 ROY, P. What's the outlook for consumer branding? Poultry Meat 3(4):16-18. Apr. 1966. 47.8 P8656
- 35979 SACHAROW, S. A guide to plastic films for packaging poultry. Poultry Meat 3(5):40-42, 44. May 1966. 47.8 P8656
- 35980 SADLER, W. W. Causes of poultry carcass condemnations. Poultry Egg Further Process. Conf. [Proc.] 1965:48-55. 280.3479 N47
- 35981 SANDERS, B. L., and FLETCHER, L. B. Co-ordinated egg production and marketing in the North Central States. V. Least-cost egg marketing organization under alternative production patterns. Iowa, Agr. Home Econ. Exp. Sta. Res. Bull. 547:775-799, map. Ref. Oct.1966. 100 lo9
Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and U. S. Department of Agriculture, cooperating.
Also North Central Regional Research Publication No. 171.
- 35982 SAYEGH, A. The Lebanon poultry market. World's Poultry Congr. Proc., 13th Congr.: 580-583. 1966. SF481.W6
- 35983 SCANLAN, J. J. Producer cooperatives in the U.S.A. poultry industry—status and contributions. World's Poultry Congr. Proc., 13th Congr.:611-614. 1966. SF481.W6
- 35984 SHEPPARD, C. C. What to look for in your turkey financing contract. Poultry Meat 3(2):A66, A68-A69. Feb.1966. 47.8 P8656
- 35985 SMALL, M. C., and BELCHER, L. H. How three turkeymen see the industry's future. Poultry Meat 3(2):A76-A80. Feb.1966. 47.8 P8656
Turkey.
- 35986 SMITH, D. P., DECAREAU, R. U., and GERLIN, J. Microwave cooking for further processing. Poultry Meat 3(4):65-66. Apr.1966. 47.8 P8656
- 35987 SPIEGEL, L. S. Don't try to put square product in round package. Broiler Indus. 30(1):56, 58. Jan.1967. 47.8 N45
- 35988 STADELMAN, W. J. Turkey meat tenderness questions need answers. Poultry Meat 4(2): A34. Feb.1967. 47.8 P8656
- 35989 STEELE, J. H., and GALTON, M. M. Public health significance of Salmonellae in poultry products. World's Poultry Congr. Proc., 13th Congr.:638-643. Ref. 1966. SF481.W6
- 35990 SWEET, M. C. Further processors ponder threat of synthetic meats. Poultry Meat 3(8): 30,32. Aug.1966. 47.8 P8656
Poultry meat.
- 35991 SWEET, M. C. USDA continues fragmentation of Poultry Inspection Service. Poultry Meat 3(4):38,40. Apr.1966. 47.8 P8656
- 35992 TAIRA, H., and TAIRA, H. Amino acid composition of duck's egg and pidan. (Ja) Jap. Soc. Food Nutr. J. 18(6):412-413. Ref. Mar. 1966. 389.9 J27
English summary.
- 35993 TESTER, J. British industry shakeup yields fewer flocks but more birds. Poultry Internat. 6(1):58-60,62. Jan.1967. 47.8 P8698
- 35994 THOMANN, W. Informe al Gobierno de Costa Rica sobre el desarrollo de la produccion avicola [Report to the Government of Costa Rica on the development of poultry production]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2092,9 p. 1966. 281.9 F733E
- 35995 TREES. Four years of market regulation for eggs and poultry meat—its testing and the importance of change with reference to standardization of the grain prices. (Ge) Kraftfutter 49(8):401-402,404-405. (Cont.) Aug.1966. 389.78 K85
European Economic Community.
- 35996 VENTOLA, F. Evaluation of Italian poultry industry in 1964. (It) G. Pollicoltori 15(10):107-112. Oct.1965. 47.8 G43
- 35997 WALTERS, R. Contrasts in turkey deboning. Poultry Egg Further Process. Conf. [Proc.] 1965:12-17. 280.3479 N47
- 35998 WEEKS, W. G. R. Economic problems of egg production and marketing. World's Poultry Congr. Proc., 13th Congr.:573-579. Ref. 1966. SF481.W6
In England.
- 35999 WELGER, F. Problems of German aviculture. (It) Avicoltura 35(1):103-105. Jan.1966. 47.8 R523
French summary, p.69.

- 36000 WELLS, G. H. Tenderness of freeze-dried chicken with emphasis on enzyme treatments. *Diss. Abstr.*, Sect. B, 27(5):1506B. Nov.1966. Z5055.U49D53
- 36001 YATES, M. Good hatchability means increased profits. *Agr. Northern Ireland* 41(7):222-223. Nov.1966. 256.13 Ag82M
- 36002 YERGATIAN, C., and STOREY, D. A. Wholesale egg marketing costs in Massachusetts, an analysis of the effect of volume and procurement system. *Mass. Agr. Exp. Sta. Bull.* 559, 60 p. Ref. Oct.1966. 100 M38H
Published jointly with Cooperative Extension Service, College of Agriculture, University of Massachusetts.

RUBBER AND RUBBER SUBSTITUTES

- 36003 BAKER, H. C., and others. The properties of market grades of natural rubber. *Rubber J.* 149(1):10-11,13,15,17,19,21. Ref. Jan.1967. 305.8 In21
L. R. Barker, W. T. Chambers, and H. W. Greensmith, joint authors.
- 36004 BATEMAN, L. Natural rubber—as others see it. *Rubber Develop.* 19(4):130-134. 1966. 305.8 R828
Quality and substitution possibilities.
- 36005 CANADA, BUR. OF STATISTICS. Rubber industries, 1964. Ottawa, 1967. 23 p. (Annual Census of Manufactures) 253 C335R
- 36006 MOHAMMED, P. S. H. Consumption of natural rubber vs. synthetic rubber. *Planting Com.* 14(8):12-16. Sept.23,1966. 22 P697
India.
- 36007 PHILPOTT, M. W. New, faster latex cures. *Rubber Develop.* 19(4):155. 1966. 305.8 R828
- 36008 RAVAL, A. A. The chemical analysis in rubber industry. *Rubber India* 18(11):11-16. Nov. 1966. 305.8 R829
- 36009 SCOTT, O., and others. The Division of Rubber Chemistry: catalyst of an industry. IV. *Rubber World* 155(4):67-68,70,72,74. Jan. 1967. 305.8 In2
B. Mulligan, J. Del Gatto, and K. Allisno, joint authors.
American Chemical Society.
- 36010 WHITBY, G. S. Fifty years' plantation progress. *Rubber Develop.* 19(4):158-162. 1966. 305.8 R828
Chiefly grading, packing, and coagulation in Malaysia.

SEEDS

- 36011 BUTKEVICH, TS., and PRIGODA, A. Mechanical cleaning and drying of seeds. (Rus) *Kartofel' Ovoshchi* 10:36-38. Oct.1966. 75.8 K147
Tomatoes.
- 36012 FISCHER, H. Cooperative relations in home-produced grain seed in Meissen district. (Ge) *Feldwirtschaft* 7(11):572-573. Nov.1966. 18 W763
- 36013 GADE, H. Problems and tasks of socialist rationalization in seeds. (Ge) *Feldwirtschaft* 7(11):565-567. Nov.1966. 18 W763
Includes breeding, storage, standardization, and marketing.
- 36014 GERDES, G. Current problems of sugar beet seed production. (Ge) *Feldwirtschaft* 7(11):577-579. Nov.1966. 18 W763
- 36015 HANSSEN, K. B. Seed control in Rhodesia. *Int. Seed Testing Ass. Proc.* 31(2):243-249. 1966. 61.9 In84P
Certification procedure.
- 36016 JONSSON, A. Adjusted treatment. (Sw) *Lantbrukstidskr.* Dalarna 79(1):19-21. 1966. 11 L29
Regulation for chemical treatment of seeds.
- 36017 LITHGOW, A. V. Seed testing—a science that has enriched the world. *New Zeal. J. Agr.* 113(5):22-25. Nov.1966. 23 N48J
- 36018 LOBANOW, W. J. The organization of seed control in the USSR. (Ge) *Int. Seed Testing Ass. Proc.* 31(2):287-295. 1966. 61.9 In84P

- 36019 MEMON, A. M., and REHMAN, Z. UR. Correlation studies in cotton. *West Pakistan J. Agr. Res.* 3(4):103-117. Ref. Dec.1965. 22 W52
Chiefly seed weight.
- 36020 ROSS-BAIN, P. What does the seedsman mean? *Mod. Farmer* 4(1):13. Jan./Feb.1966. 10 M723
Certified seed.
- 36021 SINGH, V. Seed technology in India. *World Crops* 16(3):30-33. Sept.1966. 281.8 W892
- 36022 TERZIEV, KE., LALEV, S., and KOLEV, K. Study of quality of grading of corn seeds according to new technology. (Bu) *Vishh Selskostopanski Inst.* "Vasil Kolarov." *Nauch. Tr.* 14(1):163-170. 1965. 106.3 P72
German summary.
- 36023 TWENTYMAN, R. L. Pasture seed certification in Victoria—with special reference to *Phalaris tuberosa*. *J. Agr.* [Melbourne] 64(9):422-424. Sept.1966. 23 V66J
- 36024 WHITLOCK, R. Seed breeders, the Common Market and us. *Agr. Merchant* 47(1):67,71,73. Jan.1967. 10 Ag89
Cereals in the Netherlands.
- 36025 WILLE, E. Further development of economic contract conditions in production and trade with seeds and nursery stock. (Ge) *Feldwirtschaft* 7(11):568-569. Nov.1966. 18 W763
Production and marketing in East Germany.
- 36026 WILSON, F. W. B. Changes made in regulations for certified seed. *New Zeal. J. Agr.* 113(6):31-32. Dec.1966. 23 N48J

SUGAR AND SIRUPS

- 36027 AUSTRALIAN NEWS AND INFORMATION BUR. Australian sugar industry. *Sugarbeet Grower Quart.* 4(3):6-7. Summer 1966. 66.8 Su322
- 36028 BANSIDAR, L. Problems and prospects of Indian alcohol industry. *Indian Sugar* [Calcutta] 16(5):385-386. Aug.1966. 65.8 In26
From molasses.
- 36029 BARTHA, I. The production of biogas and bio-fertilizer from the by-products of sugarcane processing. *Sharkara* 7(2):70-76. Apr./June 1965. 65.8 Sh2
- 36030 BOSE, S., MUKHERJEE, S., and SHRIVASTAVA, A. N. A simple method for the estimation of glucose and fructose in a mixture. *Sharkara* 7(1):10-16. Ref. Jan./Mar.1965. 65.8 Sh2
Sugar mixture.
- 36031 BUCHANAN, E. J. Direct sampling and analysis of individual cane consignments. I. *S. Afr. Sugar J.* 50(11):1049,1051,1053,1055,1057,1059. Nov.1966. 65.8 S08
Equipment for sugarcane and bagass analysis.
- 36032 BUELL, B. C. Maple crop reporting. *Conf. Maple Prod. Proc.*, 6th Conf.:40-42. 1965. A67.9 R31
New York.
- 36033 CLAYTON, J. W., and MEREDITH, W. O. S. The effect of thiols on the dinitrosalicylic acid test for reducing sugars. *Inst. Brewing J.* 72(6):537-540. Ref. Nov./Dec.1966. 390.9 In7
- 36034 CONFERENCE ON MAPLE PRODUCTS, 6, PHILADELPHIA, PENNSYLVANIA, 1965. Proceedings. Philadelphia, U. S. Agricultural Research Service Eastern Utilization Research Development Division, 1965. 67 p. A67.9 R31
Includes introductory remarks by J. A. Bochy, E. J. Lott, R. E. Skog, and M. E. Smith.
- 36035 CORDOVEZ, F. The Spanish cane sugar industry—and two De Smet cane diffusion installations. *Sugar J.* 29(6):1-14. Nov.1966. 65.8 Su391
- 36036 COWAN, W. F. The role of the Cooperative Extension Service in revitalization of an overlooked natural resource. *Conf. Maple Prod. Proc.*, 6th Conf.:37-39. 1965. A67.9 R31
Maple syrup industry in Ohio.
- 36037 DOSS, K. S. G. Role of physical chemistry in sugar technology. *Sharkara* 7(1):17-29. Ref. Jan./Mar.1965. 65.8 Sh2

- 36038 EDELER, H. Beet kraut (beet juice) industry 1965/66. (Ge) Indus. Obst- Gemuseverwertung 51(24):764-765. Dec.15,1966. 389,8 K832
- 36039 EICHHORN, H. On the separation of crystal and syrup mixtures by centrifuges. (Ge) Z. Zuckerindus. 16(8):463-468. Ref. Aug.20, 1966. 65.8 D48
English summary.
In the processing of massecuites.
- 36040 FARRAND, E. P. The Pennsylvania maple industry. Conf. Maple Prod. Proc., 6th Conf.:58. 1965. A67.9 R31
- 36041 GREWAL, S. S., and KAHN, A. S. A study of fluctuations in cane supply to sugar industry in Punjab. Indian Sugar [Calcutta] 16(5):405-410, 413-419. Aug.1966. 65.8 In26
Includes production.
- 36042 HOFMANN, M. The further development of economic relations of the VVB Sugar and Starch Industry [VVB Zucker- und Stärkeindustrie] with the socialist farms. (Ge) Feldwirtschaft 7(8):401-403. Aug.1966. 18 W763
Contract deliveries and factory services to farmers.
- 36043 HSU, W. F. An economic evaluation of sugar pricing and its influence on sugar cane supply in Taiwan. Diss. Abstr., Sect. A, 27(5):1160A-1161A. Nov.1966. Z5055,U49D5
- 36044 JOSHI, B. C., and SHAHI, J. S. The first palm sugar plant of Uttar Pradesh. Indian Sugar [Calcutta] 16(5):421-423. Aug.1966. 65.8 In26
- 36045 KOVATS, L. T., ORSI, F., and VEGHELY, Z. Reversion products of heat-treated glucose. (Ge) Nahrung 10(5):439. 1966. 389.8 N142
- 36046 KURAYUKI, Y., MIZUNOYA, Y., and KOJIMA, H. Studies on the analytical methods of artificial sweeteners. I. Determination of sodium cyclamate. 1. (Ja) Pharm. Soc. Jap. J. 86(10):890-893. Oct.1966. 396.9 P49
English summary.
- 36047 LAMBOURN's chart of world sugar prices, 1931-1966. New York, 1967. folder.
284.3659 L17Cha
- 36048 LARKIN, L. C. Marketing industrial molasses in the United States. U. S. D. A. Econ. Res. Serv. ERS-327,15 p. Dec.1966.
A281.9 Ag83E
- 36049 LESURE, L. B. The National Maple Syrup Council. Conf. Maple Prod. Proc., 6th Conf.:19-20. 1965. A67.9 R31
- 36050 MACARTHUR, J. D. Maple research at Macdonald College, 1965. Conf. Maple Prod. Proc., 6th Conf.:53-54. 1965. A67.9 R31
Canada.
- 36051 MARVIN, J. W. The current maple research program at the University of Vermont. Conf. Maple Prod. Proc., 6th Conf.:35-36. 1965. A67.9 R31
- 36052 MORROW, R. R. Cornell's expanded maple program. Conf. Maple Prod. Proc., 6th Conf.:26-27. 1965. A67.9 R31
- 36053 NEUBRUNN, F. The determination of the chain length of peptides. (Ge) Zucker 19(16):427-434. (Cont.) Aug.15,1966. 65.8 Z82
In the processing of sugar beet juice.
- 36054 NIHON SEITO KOGYO KAI. Sato tokei nenkan, 1966 [1966 sugar statistics yearbook]. Tokyo, 1966. 192 p. 65.8 Sa8
Sugar refining industry.
- 36055 PETERSON, T. A. Economic aspects of Wisconsin's central evaporation plant. Conf. Maple Prod. Proc., 6th Conf.:10-13. 1965. A67.9 R31
Maple syrup.
- 36056 PREY, V., STRESSLER, F., and GOLLER, R. The effect of nitrogenous substances on the coloration of thin juice. (Ge) Z. Zuckerindus. 16(8):457-462. Aug.20,1966. 65.8 D48
English summary.
Of sugar beets.
- 36057 RAMAIAH, N. A., and GUPTA, R. C. On entropy changes during crystallisation of sucrose. Shikara 7(2):66-69. Apr./June 1965. 65.8 Sh2
- 36058 RAO, T. S. Industrial alcohol: a brief study on the fractional distillation. Indian Sugar [Calcutta] 16(5):431-433. Aug.1966. 65.8 In26
From waste molasses.
- 36059 REYNOLDS, A. Wisconsin's central sap evaporator plant. Conf. Maple Prod. Proc., 6th Conf.:8-9. 1965. A67.9 R31
- 36060 ROUNDTABLE panel discussion on fall tapping. Conf. Maple Prod. Proc., 6th Conf.:28-33. 1965. A67.9 R31
Moderator: A. G. Snow; panel members: N. E. Beabes, A. Reynolds, L. L. Sipple, X. K. Smith, F. M. Laing, R. G. Coombs, L. B. Lesure, J. W. Marvin, C. O. Willits, M. R. Koelling, and K. E. Bascom.
Sugar maple.
- 36061 RUPAREL, G. J. Sugar industry in Maharashtra. Indian Sugar [Calcutta] 16(6):457-460. Sept.1966. 65.8 In26
- 36062 SEMLING, H. V. U.S. acts to control water pollution. Sugar Azucar 61(12):23-25,31. Dec.1966. 65.8 F11
For water supply in sugar industry.
- 36063 SEN, S. C., GUPTA, A. P., and SAXENA, S. B. Ready reckoners for forecasting recovery percent cane in mid- eastern region of Uttar Pradesh. Indian Sugar [Calcutta] 16(6):485-490. Sept.1966. 65.8 In26
- 36064 SHUKLA, J. P., and DUTTA, S. M. Production of fungal protein from waste molasses. Shikara 7(3):102-106. July/Sept.1965. 65.8 Sh2
- 36065 SIPPLE, L. L. The "National Maple Syrup Digest." Conf. Maple Prod. Proc., 6th Conf.:21-22. 1965. A67.9 R31
- 36066 SMIT, P. A new method of clarification of raw juice. (Ge) Z. Zuckerindus. 16(8):469-473. Aug.20,1966. 65.8 D48
English summary.
Sugar beets.
- 36067 SOUTH AFRICAN SUGAR ASSOCIATION. EXPERIMENT STATION. Sugarcane in South Africa; its production and management. S. Afr. Sugar. Ass. Exp. Sta. Bull. 1,23 p.,map. Ref. July 1965. 65.9 So82B
- 36068 SUGAR y azucar yearbook 1967; volume XXXV. New York, 1967. 268 p. 65.8 Su324
Text in English and Spanish.
Article on cane field mechanization, sugar patent abstracts, and buyers' guide.
- 36069 VAILLANCOURT, J. O. The Canadian maple coop [Quebec French Maple Products Cooperative]: its history, physical plant, and role in Canadian sirup production. Conf. Maple Prod. Proc., 6th Conf.:55-57. 1965. A67.9 R31
- 36070 VAVRINECZ, G. The formation and composition of beet molasses. V. (Ge) Z. Zuckerindus. 16(8):447-452. Aug.20,1966. 65.8 D48
English summary.
- 36071 WILLITS, C. O., UNDERWOOD, J. C., and MERTEN, U. Concentration by reverse osmosis of maple sap. Food Technol. 21(1):24-26. Jan.1967. 389.8 F7398
- 36072 WILLITS, C. O. New maple developments at Eastern Utilization Research and Development Division. Conf. Maple Prod. Proc., 6th Conf.:59-63. 1965. A67.9 R31
- 36073 WINCH, F. E. Trends in maple production in New York. Conf. Maple Prod. Proc., 6th Conf.:14-18. 1965. A67.9 R13
Maple syrup processing.
- 36074 ZUCKERWIRTSCHAFTLICHES Taschenbuch, 1966. 13. Jahrgang [Sugar industry manual, 1966, 13th year]. Berlin, 1966. 207 p.,map. 281.3658 Z8
Includes statistics and a directory.

TOBACCO

- 36075 ARSENYAN, E., PASKALEVA-TOMOVA, K., and STALEV, S. The nature and the true action of oxygenating indices. (Rus) Tabak 4:56-58. 1966. 69.8 T112
Fermentation of tobacco.
- 36076 BEAL, G. M. Maryland tobacco: significant problems in a complex industry. Md. Univ. Ext. Agr. Econ. Inform. Ser. 33,15 p. June 1966. 275.29 M36Agr
- 36077 CHAMBERLAIN, W. J., and STEDMAN, R. L. Composition studies on tobacco. XXIV. High molecular weight pigment in smoke of various tobaccos. Tobacco [New York] 163(27):65-67. Dec.30,1966. 286.89 T552

- 36078 JAPAN MONOPOLY CORPORATION. Tobacco and salt industries in Japan. Tokyo, 1966. 36 p. 286,3699 J27
- 36079 KOENDERMAN, A. A. Zambia builds tobacco with an eye to Rhodesia. Tobacco [New York] 163(27):47-48. Dec.30,1966. 286.89 T552 Includes trade.
- 36080 MARYLAND, UNIVERSITY. COOPERATIVE EXTENSION SERV. From the sun, the soil, the rain and the labor of man, a tobacco grows in Maryland which is unlike any other tobacco in the world. Md. Univ. Ext. Leaflet. 30, 6 p. folder, map. Mar.1965. 275.29 M36EL
- 36081 MIKHAILOV, S. Distribution, specialization and concentration of tobacco production in Pazardzhik Region. (Bu) Viss Shelskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):471-468. Ref. 1965. 106.3 P72 German summary.
- 36082 RODWAY, C. G. R. Zambian tobacco: an infant growing. Tobacco [New York] 163(27):46-47. Dec.30,1966. 286.89 T552
- 36083 SALEH, A. A., YOUSEF, R., and HASSAN, S. Studies of flue-curing and air-curing of Virginia type tobacco. Agr. Res. Rev. 43(3):125-135. Ref. July 1965. 24 Eg94 United Arab Republic.
- 36084 SMITH, R. U.K. industry faces mounting problems in '67. Tobacco [New York] 163(27):37, 55. Dec.30,1966. 286.89 T552
- 36085 THASSITIS, B. Greece presses for an EEC tobacco market arrangement. Tabak-J. Int. 6: 470-473. Dec.20,1966. 286.89 T117 Text in Dutch, English, French, German, and Italian.
- 36086 UNIONE TABACCHICOLTORI ITALIANI. Communication on common agricultural policy for tobacco. (It) Accad. Naz. Agr. Ann. 77(2): 99-101. 1966. 16 B632A
- 36087 WELLS, S. Curing on the wet bulb saves time and increases efficiency. Rhodesian Tobacco J. 18(10):34-35. Oct.1966. 69.8 R34 Hygrometers.
- 36088 WRATHER, S. E. Tobacco stocks reporting—essential to industry and to the economy. Tobacco [New York] 163(27):53,55. Dec.30,1966. 286.89 T552
- MISCELLANEOUS PRODUCTS**
- 36089 BARBARA, D. C. C., and others. A comparison of toxin production by Clostridium botulinum type E in irradiated and unirradiated vacuum packed fish. J. Appl. Bacteriol. 29(3): 540-548. Ref. Dec.1966. 448.39 S012 B. Wilson, J. M. Shewan, T. A. Roberts, and D. N. Rhodes, joint authors.
- 36090 BIYANI, B. P., GORBATSEVICH, S. N., and LOREY, F. W. Nitric acid pulping of bamboo. TAPPI (Tech. Ass. Pulp Pap. Indus. 50(1):87A-91A. Ref. Jan.1967. 302.8 T162
- 36091 CAMPANELLO, F. With flowers the shrewd ones beat the cutthroats. (It) Esso Agr. 15(5): 16-17. Oct.1966. 58.8 Es7 Competition problem in flower industry.
- 36092 CAPE TOWN, FISHING INDUSTRY RESEARCH INSTITUTE. Nineteenth annual report of the director, January-December 1965. Rondebosch, South Africa, 1965. 89 p. 414.9 F53A Includes fish processing.
- 36093 DEAL, E. E. Sod industry, big business in Maryland. Weeds Trees Turf 5(1):19-20. Jan. 1966. 79.8 W413
- 36094 GUHA, S. R. D., and others. Chemical pulps for writing and printing papers from ringal (Arundinaria sp.). Indian Forest. 92(10):634-636. Oct.1966. 99.8 Im2 Y. K. Sharma, R. C. Jain, and A. G. Jadhav, joint authors.
- 36095 HAUTKE, P. Determination of individual alpha acids and beta acids of hops by gas chromatography. Inst. Brewing J. 72(6):526-529. Nov./Dec.1966. 390.9 In7
- 36096 LEWIS, J. A. Microbial decomposition of vegetable tannins and the effect of tannins on the decomposition of other organic materials. Diss. Abstr., Sect. B. 27(1):34B-35B. July 1966. Z5055.U49D53
- 36097 MANNING, D. High hops. Development 86:28-29. Oct.1966. 280.8 D49 Industry in Ireland.
- 36098 MARTIN, J. S., KINGSBURY, R. M., and HYTTINEN, A. Pulping, bleaching and papermaking properties of a Philippine Bamboo (Schizostachyum lumampao). Indian Pap. Pulp. 21(5):333, 335-337, 339, 341-344. Nov.1966. 302.8 In23
- 36099 OHIO, DEPT. OF AGRICULTURE, DIV. OF PLANT INDUSTRY. Ohio nursery stock producers and dealers licensed for the year expiring September 15, 1966. Reynoldsburg, 1966. 111 p. 225 Oh34
- 36100 ONGARO, G. The Chrysanthemum on stamps. (It) Ital. Agr. 103(10):910-914. Oct.1966. 16 It1
- 36101 REICHOW, H. J. Almost a "revolution" on the German flower market. (Ge) Raiffeisen-Rundschau 19(1):27-30. Jan.1967. 284.28 R132 Cooperative marketing.
- 36102 RIEDEL, L. Calorimetric investigations concerning the problem of irreversible changes during the cold storage of fish. (Ge) Kaltetechnik 18(11):414-415. Nov.1966. 295.8 K123 English summary.
- 36103 SARCHI, A. Report on Italian floriculture in the European Common Market. (It) Accad. Naz. Agr. Ann. 77(2):88-95. 1966. 16 B632A
- 36104 SIGURDSSON, G. J. Quick-freezing in Iceland. Sabroe News 59:4-5. July 1966. 295.8 S41 Of fish.
- 36105 SIMIDU, U. Sausage-like products made from fish in Japan. (Hu) Husipar 15(6):248-253. Ref. Nov./Dec.1966. 50.8 H95 English summary.
- 36106 SODERI, V. Italian floriculture in the European Common Market. (It) Accad. Naz. Agr. Ann. 77(2):96-98. 1966. 16 B632A
- 36107 WARREN, R. M. What good is a sod growers association? Weeds Trees Turf 5(5):32-34, 38-39. May 1966. 79.8 W413

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 36108 BAIER, W. Biotechnique and reproduction. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(20):385-391. Ref. Oct.15,1966. 41.8 B45
English summary.
Includes developments in artificial insemination of livestock.
- 36109 BURROWS, P. M. Grandparent-parent-offspring regressions. Rhodesia Zambia Malawi J. Agr. Res. 4(2):119-123. July 1966. 24 R3472
Livestock.
- 36110 CAMPBELL, R. R. Behavioral marketing research and its application to the A.I. industry. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:72-81. 1966. 43.9 N212
- 36111 COCK, A. G. Genetical aspects of metrical growth and form in animals. Quart. Rev. Biol. 41(2):131-190. June 1966. 442.8 Q2
Includes cattle, fowl, and arthropods.
Review of the literature.
- 36112 INTERNATIONAL PROFESSIONAL MEETING FOR ARTIFICIAL INSEMINATION OF DOMESTIC ANIMALS, 16, WELS (AUSTRIA), 1966. Report of the meeting. (Ge) Schweiz. Arch. Tierheilk. 108(10):565-570. Oct.1966. 41.8 Sch9
Abstracts of papers.
- 36113 IOSIFOV, K. Comparative biochemical studies of the semen of livestock. VIII. Study of the cytochromoxidase activity in the sperm cells of bulls, rams and boars. (Bu) Vet. Med. Nauk. 3(7):731-735. Ref. 1966. 41.8 V6468
English summary.
- 36114 KALEV, G. Problems of artificial insemination of livestock. (Bu) Vet. Med. Nauk. 3(7):677-681. 1966. 41.8 V6468
- 36115 KLOMP, H. The interrelations of some approaches to the concept of density dependence in animal populations. Wageningen. Landbouwhogeschool. Mededel. 66(3), 10 p. 1966. 105.2 W122
Reproduction.
- 36116 KRUMM, C. Selling the A.I. program. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:122-125. 1966. 43.9 N212
- 36117 MCDOWELL, R. E., and SMITH, J. W. The future of animal breeding for resistance to disease and pests. U. S. Agr. Res. Serv. ARS-33-110:148-155. Ref. July 1966. A420 R31
- 36118 PAVEL, YU. G. Importance of genetics in veterinary science. (Rus) Veterinariya 9:95-96. Ref. Sept.1966. 41.8 V6426
Livestock disease resistance.
- 36119 PROSSER, J. J. Improved training schools. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:182-184. 1966. 43.9 N212
For artificial insemination.
- 36120 QUINN, P. J., WHITE, I. G., and WIRICK, B. R. Studies of the distribution of the major cations in semen and male accessory secretions. J. Reprod. Fertil. 10(3):379-388. Ref. Dec.1965. 442.8 J8222
- 36121 VELLE, W. Urinary oestrogens in the male. J. Reprod. Fertil. 12(1):65-73. Ref. Aug.1966. 442.8 J8222
Includes stallion, bull, and boar.
Review of the literature.

FEEDS AND FEEDING

- 36122 ALM, H. Early harvest is necessary for good meadow silage. (Sw) Sodermanlands Lags Hushallningssallsk Arsbok 1965:63-64. 11 SolA
- 36123 BAINTRNER, K. Mineral supply for ruminants. (Hu) Magyar Mezogazdasag 21(52):15-16. Dec.28,1966. 19 M27
- 36124 BARDSLEY, J. B. How much does silage cost? J. Agr. [Melbourne] 64(10):449-455. (Cont.) Oct.1966. 23 V66J
Preparation.
- 36125 BASTIDE, A. Chains of livestock feeding. (Fr) Potasse 40(332):25-52. Feb.1966. 57.8 P84
Questions and answers on year round pasturing.
- 36126 BHAGWAN, H. There is no substitute for standardized livestock feeds. Gosamvardhana 14(7/8):21-23. Oct./Nov.1966. 43.8 G69
In India.
- 36127 BIHARI, M., and PRASHAD, R. Nutritious fodder from trees. Gosamvardhana 14(7/8):57-59. Oct./Nov.1966. 43.8 G69
For livestock in India.
- 36129 CADANTU, L., and others. Green cut of the Lihro rape variety and its utilization for livestock feeding. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:75-92. 1966. 49.9 R86L
C. Bobos, R. Maier, D. Ionescu, N. Rosca, M. Marcus, A. Tritoiu, I. Barbulescu, I. Tatomir, and I. Cimpeanu, joint authors.
English summary.
- 36129 CADANTU, L., and others. The utilization of the natural and cultivated pastures in the feeding of ruminants. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:121-138. 1965. 49.9 R86L
M. Hornoiu, N. Geamanu, S. Timariu, C. Hushu, M. Rimba, D. Petcu, R. Meier, and E. Vescu, joint authors.
English summary.
- 36130 CARDINALI, M. Ensilage of fodder contributes to the development of Italian zootechnics. (It) Inform. Zootec. 13(17):707-711. Sept.15,1966. 49 In3
- 36131 CASELLI, R. Biosynthesis of vitamins. (It) Riv. Zootec. 39(10):541-546. (Cont.) Oct.1966. 49 R52
For animals.
- 36132 CASELLI, R. Biosynthesis of vitamins. (It) Riv. Zootec. 39(11):608-614. (Cont.) Nov. 1966. 49 R52
The B complex; includes animals.
- 36133 COLEOU, J. Bases for choice of a forage system. (Fr) Rev. Elevage 21(spec.no.40):47-50, 53-54,57-58,61. 1966. 49 B462
Pasture management especially with consideration of cattle feed relationships, in France.
- 36134 DANKE, R. J. Cottonseed meal and gossypol toxicity studies with ruminants and non-ruminants. Diss. Abstr., Sect. B, 27(1):7B. July 1966. Z5055.U49D53
- 36135 DIAZ, H. B. Forage value of natural pastures of the Rodeo Grande zone in the Province of Tucuman. (Sp) Rev. Agron. Noroeste Argent. 4(2):129-142. Ref. 1965. 9 R3222
English summary.
- 36136 DIETZ, D. R., and CURNOW, R. D. How reliable is a forage chemical analysis? J. Range Manage. 19(6):374-376. Nov.1966. 60.18 J82
Study of nutritive value.
- 36137 DUBOST, J. C., and MARCHADIER, J. The choice of a system of forage conservation. (Fr) Rev. Elevage 21(spec.no.40):95-98,100-101. 1966. 49 B462
Economics of ensiling and hay storing.
- 36138 FLAM, F. Investigation of the causes for the slushing of sugarbeet pulp and for the deterioration of the quality of silage. (Cz) Czech. Min. Zemedel. Les. Hospod. Ustav Vedecko-techn. Inform. Zivocisna Vyrob. 39(8):619-634. Ref. Aug.1966. 49.9 C33
English summary.
- 36139 GILES, P. Marine algae for animal feeding. (It) Inform. Zootec. 13(19):813-814. Oct.15, 1966. 49 In3
- 36140 HORNOIU, M., and others. The use of hybrid sorghum in animal and poultry feeding. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:33-46. 1965. 49.9 R86L
M. Stoicea, S. Timariu, D. Petcu, E. Calotoiu, and J. Stavri, joint authors.
English summary.

- 36141 HORSTA, A. Selection of feed concentrates this winter. (Sw) Kalmars Lans Husallings-sallsk. Tidskr. 6:10-11. Dec.1965. 11 K123
Nutritive value in relation to prices.
- 36142 HUGHES, A. R. Regulations on meatworks by-products. Queensland Agr. J. 92(10):603-607. Oct.1966. 23 Q33
Chiefly meat meal, bone meal, and blood meal, for livestock feeding.
- 36143 IDVALL, S., and NELSON, C. B. Feed value of this year's hay. (Sw) Kalmars Lans Husallings-sallsk. Tidskr. 5:7-9. Nov.1966. 11 K123
- 36144 IDVALL, S., and HORSTA, A. Feed value of this year's hay. (Sw) Kalmars Lans Husallings-sallsk. Tidskr. 6:7-9. Dec.1965. 11 K123
- 36145 JULEN, G. New method for the determination of digestibility of roughage—the "in vitro" method. (Sw) Svensk Valtidskr. 4(6):173-176. 1965. 60.8 Sv22
- 36146 LAYZONI, L. Well-cared green corn used as fresh forage. (It) Inform. Zootec. 13(22):943-946. Nov.30,1966. 49 In3
- 36147 LUPAN, L., and others. Study of the ensiling alfalfa with chemical preservatives. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:41-52. Ref. 1966. 49.9 R86L
L. Cadantu, N. Rosca, and V. Maxim, joint authors.
English summary.
- 36148 MALOY, G. M. O., and HEADY, H. F. Grazing conditions in Kenya Masailand. J. Range Manage. 18(5):269-272, map. Sept.1965. 60.18 J82
- 36149 MCDONALD, P., HENDERSON, A. R., and WHITTENBURY, R. The effect of temperature on ensilage. J. Sci. Food Agr. 17(10):476-480. Ref. Oct.1966. 382 So12
- 36150 MUDGAL, V. D. Research trends in animal nutrition. Indian Dairyman 18(10):351-354. Oct.1966. 44.8 In282
- 36151 NESHEIM, R. O. Provide grain in rations: but only those necessary. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12(141):316,318-320,322. Sept.1966. 9 So17
- 36152 PERSSON, S. J. Hay in the shape of wafers—some comments after the first harvesting season in Sweden. (Sw) Svensk Valtidskr. 5(1):5-8. 1966. 60.8 Sv22
- 36153 PRSEL, A., and HUSAROVA, M. The discussion on forage crops is continuing; answers to articles on our contribution on the justification of winter and spring mixtures. (Cz) Pol'no-hospodarstvo 12(10):808-816. 1966. 19.5 P752
- 36154 PHELPS, R. A. Enhancing the nutritive value of cottonseed meal. Feedstuffs 39(3):32,36-37. Jan.21,1967. 286.81 F322
Fortification.
- 36155 REVUE DE L'ELEVAGE. Affouragement [Livestock feeding]. Rev. Elevage 21(spec.no. 40),162 p., map. 1966. 49 B462
- 36156 ROBINSON, K. L. Mineral mixtures. Agr. Northern Ireland 41(7):205-209. Nov.1966. 256.13 Ag82M
In livestock nutrition.
- 36157 ROSENBERG, G. Silage quality in southern Finland. (Sw) Tidskr. Lantman Andelstolk 5:136. Mar.15,1966. 20 T43
- 36158 SANNE, S. Barley and oats as feed for cattle, pigs and hens. (Sw) Lantmannen 77(7):6-8. Apr.2,1966. 11 L234
- 36159 SCHMEKEL, J. Current trends in feed preservation. (Sw) Lantmannen 77(2):14-16. Jan.22,1966. 11 L234
Silage preparation, hay drying and hay wafers.
- 36160 SCHOUTTETEN, C. Is winter-harvested standing corn not good for silage? (Fr) Rev. Elevage 21(10):71,73-74. Oct.1966. 49 B462
- 36161 SIMMONS, E. K. Physical problems of drought prevention. J. Agr. [Melbourne] 64(11):475-483. Nov.1966. 23 V66J
Livestock feeding in times of drought.
- 36162 SODERLUND, S. This year's hay crop. (Sw) Skaraborgs Lans Husallings-sallsk. Tidsn. 6:108. Dec.1965. 11 Sk1
Quality.
- 36163 STALA, F. Economic reserves for livestock production in Bieszczady region. (Pol) Gosp. Miesna 18(8/9):34-35. Aug./Sept.1966. 50.8 G69
Chiefly yields of pastures in relation to number of livestock.
- 36164 STEEN, E. Meadow forage as "straw" and as full feed. (Sw) Lantmannen 77(2):10-11. Jan.22,1966. 11 L234
Nutritive value.
- 36165 SZYFELBEJN, E., and KARAS, J. Investigation on possibilities of improving the healthiness and increasing animal production on farms which utilize sewage in Ner Valley for agricultural purposes. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:179-184. 1965. 49.9 W26
English summary.
For pasture irrigation.
- 36166 TAMIRIU, S., and others. Research on the use of afterwine and vine shoots in animal feeding. (Rum) Bucharest. Inst. Cercet. Lucrarile Stiint. 22:103-120. Ref. 1965. 49.9 R86L
M. Stoicesa, D. Petcu, A. Calotiu, V. Tascenko, and G. Ionescu, joint authors.
English summary.
Ensiled.
- 36167 TASDELEN, Y. How should feed efficiency be utilized? (Tu) Turk Vet. Hekimleri Dernegi. Dergisi 36(11):20-22. Nov.1966. 41.9 T84
- 36168 TEGGE, H. Problems in the ensiling of grassland forage. (Ge) Feldwirtschaft 7(8):424-425. Aug.1966. 18 W763
- 36169 TIMARIU, S., TASCENKO, V., and BARTA, M. Research on preservation of sunflower capitula and their use in animal feeding. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:67-76. 1965. 49.9 R86L
English summary.
- 36170 TISSERAND, J. L. The influence of techniques of conservation on the nutritive value of forages. (Fr) Rev. Elevage 21(spec.no.40):103-106,109-110. 1966. 49 B462
- 36171 TRNKA, K. Further utilization of forage sugar beets. (Cz) Statni Statky 9(1):12-14,16. 1966. 19.5 St2
- 36172 WALLIN, O. Mineral supply for ruminants during pasturing. (Sw) Skand. Kreatursforsakingsbolaget. Manadsbl. 44(5/6):56-57. 1966. 49.9 Sk1
- 36173 WEISSBACH, F., and LAUBE, W. Problems in the preparation of wilted silage. (Ge) Feldwirtschaft 7(8):417-420. Aug.1966. 18 W763

VETERINARY MEDICINE

- 36174 ABRAHAM, D. Characterization of the lipids from a mixed population of rumen bacteria. Diss. Abstr., Sect. B, 27(1):71B. July 1966. Z5055.U49D53
- 36175 ADEMOLLO, A. Italian participation in the control of foot-and-mouth disease: a vital problem of Europe's agricultural economy. (It) Allevatore 22(21):1-2. May 22,1966. 49 AL55
- 36176 ALTERAUGE, W. On the problem of variety of weight in developed embryos. (Ge) Prakt. Tierarzt 47(11):555-557. Nov.1,1966. 41.8 P882
- 36177 AMERICAN VETERINARY MEDICAL ASSOCIATION. Proceedings of the business sessions of the 103rd annual meeting, July 10-14, 1966, Louisville, Kentucky. n.p., 1966. 160 p. 41.9 Un3
- 36178 ANDERSON, J. A. The seven years itch. Vet. Rec. 79(27):888-889. Dec.31,1966. 41.8 V641
Activities of the British Veterinary Association.
- 36179 ANDREEV, E. V., and BOIKO, A. A. Transmission of foot-and-mouth disease virus. (Rus) Veterinariya 9:31-32. Sept.1966. 41.8 V6426
Brief survey of the literature.

- 36180 ARBEITSGEMEINSCHAFT FUR VETERINAR-PATHOLOGEN. Report on the 15th work session, held in Heidelberg, April 26, 1966. (Ge) Schweiz. Arch. Tierheilk. 108(10):561-565. Oct. 1966. 41.8 Sch9
Abstracts of papers.
- 36181 ARBEITSGEMEINSCHAFT FUR VETERINAR-PATHOLOGEN. Report on the 15th work session of the Study Group of Veterinary Pathologists held in Heidelberg, April 26, 1966. (Ge) Pathol. Vet. 3(6):685-694. 1966. 41.8 P27
Abstracts of papers.
- 36182 ARSOL. Antibiotics for livestock. (It) G. Pol. Icoforti 15(9):19-33, 48-49. Sept. 1965. 47.8 G43
- 36183 BALBIERZ, H. Blood groups of domestic animals in the light of genetic investigations. (Pol) Med. Weter. 22(10):620-623. Ref. Oct. 1966. 41.8 M463
- 36184 BALDWIN, R. L. Enzymatic activities in mammary glands of several species. J. Dairy Sci. 49(12):1533-1542. Ref. Dec. 1966. 44.8 J822
- 36185 BARR, F. S., COLLINS, G. F., and MOORE, G. W. Evaluation of the antimicrobial activity of a phenylmercuric acetate-bithionol topical spray. Vet. Med./Small Anim. Clin. 61(11):1083-1084. Nov. 1966. 41.8 M69
- 36186 BELLANI, L. Collaboration between physicians and veterinarians for better defense of public health. (It) Nuovo Prog. Vet. 21(23):1060, 1062, 1064. Dec. 15, 1966. 41.8 P942
From Notiziario dell'Amministrazione Sanitaria.
- 36187 BELLANI, L. Collaboration between veterinary services and public health services; report at the European Symposium in Ghent. (It) Nuovo Prog. Vet. 21(23):1072, 1074, 1076. Dec. 15, 1966. 41.8 P942
From Notiziario dell'Amministrazione Sanitaria.
- 36188 BERTRAND, M. Chromosome abnormalities of domestic mammals. (Fr) Rev. Pathol. Comp. 66(779):419-423. Ref. June 1966. 448.8 R326
- 36189 BLIGH, J. The thermosensitivity of the hypothalamus and thermoregulation in mammals. Cambridge Phil. Soc. Biol. Rev. 41(3):317-367. Aug. 1966. 442.9 C14
Review of the literature.
Livestock.
- 36190 BREIREM, K., and HVIDSTEN, H. Research on hypomagnesemia in ruminants. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(5):290-318. Ref. Sept. 1966. 389.78 Z3
English summary.
- 36191 BRITISH SOCIETY OF PARASITOLOGY. Proceedings, Meeting of April 1966. Parasitology 56(4):1P-19P. Ref. Nov. 1966. 448.8 P21
Abstracts of papers; includes paper on animal parasites and plant nematodes.
- 36192 BROOK, P. J., and WHITE, E. P. Fungus toxins affecting mammals. Anna. Rev. Phytopathol. 4:171-194. Ref. 1966. 464.8 An72
Livestock.
- 36193 BUCHMAN, D. T. Effect of molybdenum and copper in forage on nitrate reduction in ruminants. Diss. Abstr., Sect. B, 27(5):1343B. Nov. 1966. Z5055.U49D53
- 36194 BUENOS AIRES, UNIVERSIDAD NACIONAL DE LA PLATA, FACULTAD DE CIENCIAS VETERINARIAS. Third sessions—summaries of papers. (Sp) Gac. Vet. 28(189):186-188. (Cont.) Apr. 1966. 41.8 G112
- 36195 CAPSTICK, P. B., and others. Some functional and morphological alterations occurring during and after the adaptation of BHK 21 clone 13 cells to suspension culture. Exp. Cell. Res. 44(1):119-128. Ref. Oct. 1966. 442.8 Ex7
A. J. Garland, R. C. Masters, and W. G. Chapman, joint authors.
Includes tumor formation.
- 36196 CASE, A. A. Nitrate problems as related to animal health. Mo. Agr. Exp. Sta. Spec. Rep. 55:39-41. 1965. 100 M693Sp
- 36197 CASELLI, R. Characteristics and functions of enzymes in animal organism. (It) Inform. Zootec. 13(20):849-854. Oct. 31, 1966. 49 In3
- 36198 CHIZHOV, A. I. New cinema films. (Rus) Veterinariya 9:102-103. Sept. 1966. 41.8 V6426
- 36199 COTTELEER, C., and FAMEREE, L. Remarks on some helminthiasis: rhythm of laying and atmospheric precipitations. (Fr) Econ. Med. Anim. 7(5):335-340. Ref. Sept./Oct. 1966. 41.8 Ec7
- 36200 DIXON, K. E. The physiology of excystment of the metacercaria of Fasciola hepatica L. Parasitology 56(3):431-456. Ref. Aug. 1966. 448.8 P21
Includes livestock hosts.
- 36201 DOGRUMAN, N. F. Again ambitions and professional rights. (Tu) Turk Vet. Hekimleri Dergisi 36(11):11-12. Nov. 1966. 41.9 T84
- 36202 DOUGLAS, S. W. Contrast media techniques in radiography. J. Small Anim. Pract. 7(12):781-790. Ref. Dec. 1966. 41.8 J8292
- 36203 DUBLIN, VETERINARY DEPT. Annual report for year 1965. Irish Vet. J. (n.s.) 20(12):236-240. (Cont.) Dec. 1966. 41.8 Ir4
Includes milk and meat inspection.
- 36204 DURRANI, M. Z. Recent advances in the chemotherapy of blood parasites of domestic animals. Agr. Pakistan 16(1):85-88. Ref. Mar. 1965. 22 Ag832
- 36205 EICHHORN, E. A., and BOLDRINI, G. M. Foot-and-mouth disease: an obstacle to the international livestock industry. Ceylon Vet. J. 14(3):45-48. Sept. 1966. 41.8 C33
- 36206 FINERTY, J. F. Some immunochemical aspects between Anaplasma marginale and Plasmodium sp. Diss. Abstr., Sect. B, 27(5):1361B-1362B. Nov. 1966. Z5055.U49D53
A. marginale, P. lophurae and P. berghei maintained in calves, ducks and mice.
- 36207 FLINT, E. A. Toxic algae in some New Zealand freshwater ponds. New Zeal. Vet. J. 14(11):181-185. Ref. Nov. 1966. 41.8 N483
Cause poisoning to livestock.
- 36208 FREAN, J. R. New threat of gousiekte. Farming S. Afr. 42(8):2. Nov. 1966. 24 So842
Livestock poisoning by Pachystigma pygmaeum.
- 36209 FREAN, J. R. Vaccination programme for the stock farmer. Farming S. Afr. 42(8):27, 29-31. Nov. 1966. 24 So842
- 36210 FREDERIKS, H. H. J. Interim report to the Government of Pakistan on foot and mouth disease control in East Pakistan. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1970, various paging. 1965. 281.9 F733E
- 36211 GANIEV, M. K., and SHIRINOV, N. M. The utilization of petroleum preparations in veterinary medicine. (Bu) Vet. Med. Nauk. 3(8):879-883. 1966. 41.8 V6468
- 36212 GARCIA, P. T., and CUERPO, L. Estudio de las alteraciones en la composición de los ácidos grasos volátiles del líquido ruminal desde su extracción hasta el momento del análisis [A study of alterations occurring during the time of extraction and analysis in the composition of volatile fatty acids derived from ruminal liquor]. Rev. Invest. Agropecuar. Ser. 1, Biol. Prod. Anim. 3(4):69-80. Ref. 1966. 49 R329
English summary.
- 36213 GILROY, J. J. Effect of physical factors on growth and epsilon toxin formation in a strain of type D Clostridium perfringens. Amer. J. Vet. Res. 28(122):131-136. Ref. Jan. 1967. 41.8 Am3A
In cultures.
- 36214 GINTHER, O. J. The influence of the uterus on the life-span of the corpus luteum. Vet. Med./Small Anim. Clin. 61(12):1199-1206. Ref. Dec. 1966. 41.8 M69
- 36215 GROUD, P., CAPPONI, M., and RAGEAU, J. Can epidemic typhus be maintained outside its veritable louse/man reservoir? (Fr) World Health Organ. Bull. 35(2):119-122. Ref. 1966. 449.9 W892B
English summary.
Includes Rickettsia prowazekii in African livestock.

- 36216 GLAZIER, R. M. A simple apparatus for dark ground illumination of precipitin lines. *Biol. Photogr. Ass. J.* 34(2):51-52. May 1966. 332.9 B52
For use in the animal disease laboratory.
- 36217 GRAHAM-JONES, O. Some thoughts on transplantation and the veterinary surgeon. *Vet. Rec.* 80(2):65-70. Jan. 14, 1967. 41.8 V641
Includes discussion.
- 36218 GRANNIKOVA, S. A., SMIRIN, V. M., and VOROBYEVA, R. N. The characteristics of natural leptospirosis foci in middle Priamurye. (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 9:75-77, map. Sept. 1966. 448.3 Z4
English summary.
Rodents as vectors of livestock disease.
- 36219 HIDALGO, R. J. Characterization of the lipids of three serotypes of *Leptospira*. *Diss. Abstr.*, Sect. B, 27(5):1362B. Nov. 1966. Z5055.U49D53
Species causing animal diseases.
- 36220 HITSCHFELD, O. My experiences with foot and mouth disease. (Ge) *Lebendige Erde* 4: 164-168. July/Aug. 1966. 18 L49
- 36221 HOPKINSON, W. I. Hyperbaric oxygen therapy. *Vet. Rec.* 80(2):40-56. Ref. Jan. 14, 1967. 41.8 V641
Includes discussion.
- 36222 HUANG, A. S., and WAGNER, R. R. Comparative sedimentation coefficients of RNA extracted from plaque-forming and defective particles of vesicular stomatitis virus. *J. Mol. Biol.* 22(2):381-384. Ref. Dec. 28, 1966. 442.8 J8224
- 36223 HUBER, W., GRAF, U., and WANDELER, I. Biometry of mammalian tails. (Ge) *Rev. Suisse Zool.* 73(3):455-467. Sept. 1966. 410 R324
Includes livestock.
- 36224 IMAM, I. Z. E., and ALFY, L. Evidence of typhus infection in domestic animals in Egypt. *World Health Organ. Bull.* 35(2):123-126. Ref. 1966. 449.9 W892B
Caused by *Rickettsia prowazekii*.
- 36225 KALUGIN, V., and GUSHCHIN, N. Control of foot-and-mouth-disease abroad. (Rus) *Veterinariya* 9:111-113. Sept. 1966. 41.8 V6426
- 36226 KAPRALOVA, L. T. Enzymes of the digestive organs of the foetus and placenta in different mammals. (Rus) *Zhur. Obshch. Biol.* 26(6): 720-730. Ref. Nov./Dec. 1965. 442.8 Z6
English summary.
Sheep, swine, and rabbits.
- 36227 KARARER, H. Why can't we have our voice heard? (Tu) *Turk Vet. Hekimleri Dernegi. Dergisi* 36(11):13-14. Nov. 1966. 41.9 T84
- 36228 KEEPIE, J., WITT, K. A., and SMITH, H. Early appearance of colonies of *Brucella* spp. on solid media containing erythritol. *J. Appl. Bacteriol.* 29(3):556-558. Dec. 1966. 448.39 S012
Brucella abortus, *B. melitensis* and *B. suis*.
- 36229 KILCHSPERGER, G. Concerning poisoning in domestic animals. (Ge) *Schweiz. Arch. Tierheilk.* 108(10):515-521. Oct. 1966. 41.8 Sch9
English summary.
Various causes.
- 36230 KOBUSIEWICZ, T. Razi State Institute of Sera and Vaccines [Institut d'Etat des Serums et Vaccins Razi] in Hisarak (Iran). (Pol) *Med. Weter.* 22(10):624-626. Oct. 1966. 41.8 M463
- 36231 KOLB, E. Topical biochemical and nutritional problems in high-yielding farm animals. (Ge) *Monatsh. Veterinarmed.* 21(15):591-597. Aug. 1, 1966. 41.8 M742
English summary.
- 36232 LA PLATA, UNIVERSIDAD NACIONAL, FACULTAD DE CIENCIAS VETERINARIAS. Third sessions—summaries of papers. (Sp) *Gac. Vet.* 28(191):274-275; (192):316-318. (Concl.) June-July, 1966. 41.8 G112
- 36233 LIEGEOIS, F., and DERIVAUX, J. Endocrinologic osteopathies in animals. (Fr) *Econ. Med. Anim.* 7(5):317-326. Ref. Sept./Oct. 1966. 41.8 Ec7
English summary.
- 36234 LOEB, W. F. Laboratory equipment for the practitioner. *Mod. Vet. Pract.* 47(12):85-104. Oct. 15, 1966. 41.8 N812
- 36235 LOTT, A. Veterinary affairs in the 19th century in Baden; on the 100th anniversary of the publication of regulation on the commissioning of district veterinarians. (Ge) *Tierarztl. Umsch.* 21(10):532-534, 537. (Cont.) Oct. 1, 1966. 41.8 T445
- 36236 LUND, E. E. Biological control of animal parasites. U. S. Agr. Res. Serv. *ARS-33-110*: 111-116. Ref. July 1966. A420 R31
Especially *Histomonas*.
- 36237 MARIOTTI, L. The reorganization of veterinary services. (It) *Agricoltura* 15(12):18-22. Dec. 1966. 16 Ag8226
Text of an interview.
- 36238 MARTIN, S. J. Thermal stability of ribosomal ribonucleic acid from baby hamster kidney cells. *Biochem. J.* 101(3):721-726. Ref. Dec. 1966. 382 B52
For virus research.
- 36239 MARUASHVILI, G. M., and BARDZHADZE, B. G. Natural focalities of visceral leishmaniasis in Georgia. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(4):462-463. July/Aug. 1966. 448.8 M469
English summary.
Foxes as vectors of livestock and man disease.
- 36240 MATOV, K. On certain problems of *Echinococcus granulosus* and *echinococcosis*. (Bu) *Vet. Med. Nauk.* 3(8):805-812. Ref. 1966. 41.8 V6468
- 36241 MATYCHEV, V. I., and ZHDANOV, P. I. Preparing pathoanatomical preparations. (Rus) *Veterinariya* 9:99-100. Sept. 1966. 41.8 V6426
- 36242 MILANOV, M., CHILEV, D., and PACHEV, S. A reservoir of *Salmonella* genus in nature—first communication; a study of natural *Salmonella* foci. (Bu) *Vet. Med. Nauk.* 3(7):743-749. Ref. 1966. 41.8 V6468
English summary.
- 36243 MODERN VETERINARY PRACTICE. Clinical use of selected drugs. *Mod. Vet. Pract.* 47(12): 35-36, 38, 40, 42, 44, 46-62. Oct. 15, 1966. 41.8 N812
- 36244 MODERN VETERINARY PRACTICE. Consolidated catalog and price list of veterinary drugs and biologics. *Mod. Vet. Pract.* 47(12):153-218. Oct. 15, 1966. 41.8 N812
- 36245 MODERN VETERINARY PRACTICE. Manufacturers and suppliers of veterinary equipment. *Mod. Vet. Pract.* 47(12):105-106, 108, 110-116. Oct. 15, 1966. 41.8 N812
- 36246 MODERN VETERINARY PRACTICE. Therapeutic index. *Mod. Vet. Pract.* 47(12):119-147. Oct. 15, 1966. 41.8 N812
- 36247 MORALLON, P., and YALCIN, N. New forms of gastroentero-hepatotoxemia and causal role of feeds. (Fr) *Rec. Med. Vet.* 142(10):935-947. Ref. Oct. 1966. 41.8 R24
English summary.
All types of clostridial diseases.
- 36248 MORGAN, H. C. Hemoglobin determination—a practical method. *Vet. Med./Small Anim. Clin.* 61(12):1152-1155. Dec. 1966. 41.8 M69
- 36249 MORGAN, H. C. Simple blood coagulation tests for the practitioner. *Vet. Med./Small Anim. Clin.* 61(11):1040, 1045-1047. (Cont.) Nov. 1966. 41.8 M69
- 36250 MORGAN, H. C. Staining of blood smears. *Vet. Med./Small Anim. Clin.* 61(7):637-638, 643. July 1966. 41.8 M69
- 36251 MUNSTERER, F. Was the 1965/66 foot-and-mouth disease outbreak an avoidable catastrophe? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(48): 1766, 1768-1770. Dec. 1, 1966. N 839
- 36252 NEUBERT, D., and MERKER, H. J. Some effects of toxins from microorganisms on mammalian cellular metabolism and structure. In: *Raudonat, H. W., and Vanecek, J., ed. Recent advances in the pharmacology of toxins*, v. 9, p. 9-26. Ref. 1965. QP941 R3
Includes toxins from *Penicillium rubrum* and *carcinophilin* from *Streptomyces* and their effects on livestock.

- 36253 NICHOLAS, M. Shoot that crow! Mod. Farmer 4(3):15. May/June 1966. 10 M723
Cause of livestock injuries in Great Britain.
- 36254 NICHOLAS, M. They fight the liver-fluke. Mod. Farmer 4(1):24. Jan./Feb. 1966. 10 M723
Wild waterfowl which eat snails.
- 36255 NIKITIN, E. E., and others. Prophylactic means in lyophilizing foot-and-mouth disease virus type-A. (Rus) Veterinariya 9:18-20. Sept. 1966. 41.8 V6426
G. Kh. Kamalov, A. A. Sviridov, I. S. Kuchmasov, and N. N. Uzyumova, joint authors.
- 36256 NOVIKOVA, V. N., and LEVSHINA, V. D. Comparative evaluation of various methods of laboratory diagnosis of leptospirosis. (Rus) Veterinariya 9:90-91. Sept. 1966. 41.8 V6426
- 36257 NYSTROM, C. G. Veterinary activities 1964. (Sw) Södermanlands Lans Hushallningssallsk. Arsbock 1965:67-68. 11 So1A
- 36259 OGLESBY, S. Information processing in animals. Southern Res. Inst. Bull. 19(1):11-14. Summer 1966. 330.9 So86
Neurological and genetic systems and their application to engineering.
- 36259 OLANDER, H. J., HUGHES, J. P., and BIBERSTEIN, E. L. Bacillary hemoglobinuria: induction by liver biopsies in naturally and experimentally infected animals. Pathol. Vet. 3(5): 421-450. Ref. 1966. 41.8 P27
Clostridium hemolyticum in calves, sheep and rabbit.
- 36260 OREKHOV, M. D., and others. Eradication of fascioliasis infestation. (Rus) Veterinariya 9:42-44. Sept. 1966. 41.8 V6426
F. G. Gamolya, R. K. Biraslanov, D. F. Stepanov, B. Allamov, and A. Khangeldyev, joint authors.
In cattle, sheep, and goats by use of copper sulfate.
- 36261 OSER, B. L., and others. Carcinogenicity study of carbarsone. Toxicol. Appl. Pharmacol. 9(3): 528-535. Nov. 1966. 391.8 T662
K. Morgareidge, M. S. Weinberg, and M. Oser, joint authors.
Used in veterinary medicine and here tested on rats.
- 36262 PADHYE, A. A., RADHAKRISHNAN, C. V., and THIRUMALACHAR, M. J. Studies on the dermatomycoses in animals in Poona. I. Hindustan Antibiot. Bull. 9(1):23-26. Ref. Aug. 1966. 396.8 H58
Domestic animals.
- 36263 PELHATE, J. Molds dangerous in animal nutrition. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(12):850-855. June 29, 1966. 14 P215Bc
- 36264 PIANA, G. On the presumed hygienic problems connected with the use of antibiotics for livestock. (It) Bull. Agr. [Milano] 100(6):1-3. Mar. 31, 1966. 16 B87
- 36265 PLASCHKE, W., JAKSZTIEN, K. P., and STACHOWITZ, H. Working standards for veterinary examination in slaughtering. (Ge) Monatsh. Veterinarmed. 21(19):730-732. Oct. 1, 1966. 41.8 M742
English summary.
- 36266 PULVERER, G. Comparison of pathogenic staphylococci of man and animals. (Ge) Zentralbl. Bakteriol. Parasitenk. Infektionskrankh. Hyg. Abt. I, Orig. 201(1):27-41. Ref. Sept. 1966. 448.3 C33
English summary.
- 36267 PULVERER, G., and LUCAS, A. Experiments to differentiate pathogenic staphylococci of animal origin. (Ge) Z. Med. Mikrobiol. Immunol. 152(4):353-361. Ref. 1966. 449.8 Z3
- 36268 PUSTIGLIONE NETTO, L., and others. A survey of the occurrence of foot-and-mouth disease in the state of Sao Paulo. (Por) Biologico 31(12):294-296. Dec. 1965. 442.8 B529
A. A. Pinto, O. Suga, and J. R. July, joint authors.
English summary.
Survey of different types of virus.
- 36269 QUINCHON, C., and MORNET, P. Epidemiology in veterinary medicine and animal care. (Fr) Rec. Med. Vet. 142(10):949-969. Ref. Oct. 1966. 41.8 R24
English summary.
- 36270 RAMISZ, A. Current problems of neurosecretion of parasitic worms. (Pol) Med. Weter. 22(11):654-656. Ref. Nov. 1966. 41.8 M463
- 36271 ROMER, A. S. Vergleichende Anatomie der Wirbeltiere [Comparative anatomy of vertebrates]. Ed. 2, rev. and enl. 535 p. QL805.R6
Translation from The Vertebrate Body. Ed. 3. Bibliography, p.494-509.
Includes livestock.
- 36272 RUSEV, KH. Classification of animal viruses. (Bu) Vet. Med. Nauk. 3(7):791-794. 1966. 41.8 V6468
- 36273 SANZ SANCHEZ, F., and JURADO COUTO, R. Cyanide detoxication by cobalt compounds. (Sp) Spain. Patronato Biol. Anim. Rev. 10(2):99-123. Ref. Sept. 1966. 49.9 Sp16
English summary.
- 36274 SCHAUMANN, W. Management of nitrogen through the ruminant. (Ge) Lebendige Erde 4: 159-163. July/Aug. 1966. 18 L49
Protein synthesis in ruminants.
- 36275 SCHWARTZ, C. The R.C.V.S. [Royal College of Veterinary Surgeons] retention fee. Vet. Rec. 80(2):76-77. Jan. 14, 1967. 41.8 V641
- 36276 SHATALOV, P. I. Obstetrics training in higher schools of Bulgaria. (Rus) Veterinariya 9: 103. Sept. 1966. 41.8 V6426
- 36277 SHONE, D. K. Poisonous plants of Rhodesia. I. Rhodesia Zambia Malawi J. Agr. Res. 4(2):81-94. July 1966. 24 R3472
To livestock.
- 36279 SIELAFF, H. Food hygienic importance of listeriosis. (Ge) Monatsh. Veterinarmed. 21(19):750-758. (Cont.) Oct. 1, 1966. 41.8 M742
- 36279 SILBERG, S. L., BLENDEN, D. C., and NOVICK, A. Risk of staphylococcal infection among human beings and animals in a veterinary hospital environment. Amer. J. Vet. Res. 28(122):267-273. Ref. Jan. 1967. 41.8 Am3A
- 36280 SMITICH, T., and BORDJOCHKI, A. Comparative study on the degree of susceptibility of mammals and birds to the infection by Toxoplasma gondii by oral administration, separately the vegetative form and cystic form of the parasite. (Fr) Rec. Med. Vet. 142(11):1041-1047. Ref. Nov. 1966. 41.8 R24
English summary.
- 36281 SIMKIN, G. N., and IZVEKOVA, L. M. Acoustic role of the external ear in mammals. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:43-45. 1965. 442.8 N22
Cats, dogs, and rabbits.
- 36282 SIRIWARDENE, J. A. DE S., and others. Automated analysis of total nitrogen solid biological material. J. Sci. Food Agr. 17(10):456-460. Ref. Oct. 1966. 382 So12
A. J. Thomas, R. A. Evans, and R. F. E. Ax-ford, joint authors.
Chiefly animal feces.
- 36283 SMITH, G. E. Nitrate problems in water as related to soils, plants and water. Mo. Agr. Exp. Sta. Spec. Rep. 55:42-52, map. 1965. 100 M693Sp
Toxicity to livestock.
- 36284 SPORRI, H. The importance of pathophysiological examinations in the animal circulatory, respiratory and nervous systems. (Ge) Schweiz. Arch. Tierheilk. 108(10):521-527. Oct. 1966. 41.8 Sch9
English summary.
- 36285 SWITZERLAND. EIDGENOSSISCHE KOMMISSION FÜR FRAGEN DER MAUL- UND KLAU-ENSEUCHE. Periodic, general immunization against foot-and-mouth disease. (Ge) Schweiz. Arch. Tierheilk. 108(9):505-513. Sept. 1966. 41.8 Sch9
- 36286 SYURIN, V. N. Veterinary virology in Bulgaria. (Rus) Veterinariya 9:106-108. Sept. 1966. 41.8 V6426
Teaching.

- 36287 TARCZYNSKI, S. Zoohygienic aspects of fascioliasis control of ruminants in Warmia and Mazury regions. II. Presuppositions to the plan of control the invasion of Fasciola hepatica in to Olsztyn province. (Pol) Med. Weter. 22(11): 651-654. Ref. Nov. 1966. 41.8 M463
- 36289 TETERIN, V. I. Age and seasonal dynamics of dictyocaulosis in marals. (Rus) Veterinariya 9:51-52. Sept. 1966. 41.8 V6426
- 36289 TEUSCHER, E., and WENZEL, K. A multipurpose method for diagnosis from feces of ruminants. (Ge) Schweiz. Arch. Tierheilk. 108(10):536-541. Oct. 1966. 41.8 Sch9
English summary.
- 36290 TONETTO, S. A. Cauterization. (It) Veterinaria [Milano] 15(4):223-238. July/Aug. 1966. 41.8 V6499
- 36291 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 16, authors: A to Z, by D. B. Segal and J. M. Humphrey, with the assistance of M. I. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 347 p. 1 An5Ind
- 36292 VERSHILOVA, P. A., and others. Results of studying Brucella cultures isolated from reindeer in USSR. (Rus) Veterinariya 9:15-18. Ref. Sept. 1966. 41.8 V6426
M. M. Ivanova, E. S. Orlov, E. I. Kaitmazova, D. S. Kurdina, G. S. Zasedateleva, N. A. Mikhailov, A. F. Pinigin, S. P. Merinov, E. A. Dranovskaya, and N. N. Davydov, joint authors.
- 36293 VLCEK, Z., KOZUMPLIK, J., and HRIVNAK, J. Evaluation of gynecological and treatment of livestock in the Clinic of Obstetrics and Gynecology of the Veterinary School of the University of Agriculture [Porodnicko-Gynekologicka Klinika, Fakulta Veterinarna, Vysoka Skola Zverole Karska] at Brno during 1945-1965. (Cz) Veterinarstvi 16(8):356-359. 1966. 41.8 V6439
- 36294 WARRINGTON, R. E. The study of vesicular stomatitis viral components by X-irradiation. Arch. Gesamte Virusforsch. 19(4):442-453. Ref. 1966. 448.3 Ar23
- 36295 WAWRZKIEWICZ, J. The formation of interferon of the virus of Aujeszky disease. (Pol) Med. Weter. 22(11):657-660. Ref. Nov. 1966. 41.8 M463
English summary.
- 36296 WEIL, T. P., and others. Ancillary & nursing services provided in veterinary hospitals and clinics. Vet. Med./Small Anim. Clin. 61(12): 1177-1181. Dec. 1966. 41.8 M69
H. M. Parrish, J. W. Weil, and D. C. Blendon, joint authors.
- 36297 WINKENWERDER, W. Experiments with Vibrio fetus isolated from humans. (Ge) Z. Med. Mikrobiol. Immunol. 152(4):273-279. Ref. 1966. 449.8 Z3
- 36299 WIT, J. G., and GENDEREN, H. VAN. The monophenolic metabolites of the herbicide 2,6-dichlorobenzonitrile in animals as uncouplers of oxidative phosphorylation. Biochem. J. 101(3):707-710. Ref. Dec. 1966. 328 B52
- 36299 YOUSSEF, F. G., and ALLEN, D. M. Determination of steam-volatile fatty acids in rumen liquor. J. Sci. Food Agr. 17(12):536-538. Dec. 1966. 382 So12
- MISCELLANEOUS
- 36300 ASSOCIAZIONE ITALIANA ALLEVATORI. Problems and questions of the livestock industry at the twenty-second assembly, June 16, 1966. (It) Allevatore 22(25/26):1-9. June 19/26, 1966. 49 AL55
Includes addresses of C. Venino, Gaetani, Albertario, and Benedetti.
- 36301 ASSOCIAZIONE PROVINCIALE ALLEVATORI DI PISA. Report of the president, 1965. (It) Allevatore 22(3):2;(4):2. Jan. 16-23, 1966. 49 AL55
- 36302 BAKER, J. K. Determining employment opportunities and educational needs for animal science technicians in Ohio. Diss. Abstr., Sect. B, 27(1):1B. July 1966. Z5055.U49D53
- 36303 BOJARSKI, J. Pathogenic microorganisms in the slaughter house sewage. I. Microorganisms of Salmonella type. (Pol) Med. Weter. 22(11): 670-671. Nov. 1966. 41.8 M463
English summary.
- 36304 COOPER, M. T. Killing your own meat. New Zeal. J. Agr. 113(1):20-23, 25. July 1966. 23 N48J
Sheep, swine, and cattle.
- 36305 EHNER, H. Concentration and specialization of slaughterhouses in the Neubrandenburg district. (Ge) Fleischermeister 20(10):253-255. Oct. 1966. 50.8 F622
- 36306 FARMER and STOCKBREEDER. Year book and desk diary 1967. London, 1966. 304 p., map. 49 F22
- 36307 FEVRIER, R. Perspectives in animal production development. (Fr) Patre 135:21-23. July 1966. 45.8 P272
- 36308 GRUSZECKI, S. Costs of fattening slaughter livestock. (Pol) Gosp. Miesna 18(7):17-20. July 1966. 50.8 G69
- 36309 HASSENBERG, L. Ruhe und Schlaf bei Säugetieren; ein Beitrag zur Verhaltensforschung [The rest and sleep of mammals; contribution to behavior research]. Neue Brehm-Bucherei 339, 160 p. Ref. 1965. 409 N392
Includes livestock.
- 36310 HAVERMANN, H. The professional branch of "animal production" in the diploma testing arrangement for agricultural students at the agricultural faculties in the German Federal Republic. (Ge) Diplomalwirtsch 15(4):86-88. Apr. 1965. 18 D62
- 36311 INAL, T. Need for slaughtering education and the slaughterhouses situation in Turkey. (Tu) Turk Vet. Hekimleri Dernegi. Dergisi 36(11): 15-19. Nov. 1966. 41.9 T84
- 36312 KHAN, M. A. A. Our animals are our wealth. Agr. Pakistan 16(1):75-77. Mar. 1965. 22 Ag832
- 36313 KORKMAN, N. Pre-requisites and possibilities for livestock production. (Sw) Lantbruks-tidskr. Dalarna 78(6):177-183. 1965. 11 L29
- 36314 PAGLIARI, G. Zootechnical journey in German Federal Republic. (It) Inform. Zootec. 13(22): 947-949. Nov. 30, 1966. 49 In3
- 36315 PAYNEAU, A. Realizations in matters of livestock raising. (Fr) Patre 135:31-32. July 1966. 45.8 P272
Housing in the open space.
- 36316 SOBOCINSKI, M. Osseous material of domestic animals from excavations in Kruszewica. (Pol) Poznan. Wyzsza Szkola Roln. Roczn. 22:173-193. Ref. 1965. 106.2 P872
English summary.
- CATTLE
- Breeds and Breeding
- 36317 ACHARYA, R. M. Genetic analysis of a closed herd of Indian cattle. Diss. Abstr., Sect. B, 27(1):6B-7B. July 1966. Z5055.U49D53
Hariana.
- 36319 AHMAD, M. U. D. Genetic aspects of growth rate and feed utilization in beef cattle. Diss. Abstr., Sect. B, 27(1):7B. July 1966. Z5055.U49D53
- 36319 ALBA, J. DE. The Limousin breed. (Sp) SCRAB (Soc. Coop. Rural Argent. Ltda.) 12(142):360, 362-363, 385. Oct. 1966. 9 So17
- 36320 ALEXANDER, G. I. Big step in dairy breeding. Queensland Agr. J. 92(11):691-693. Nov. 1966. 23 Q33
Jersey, Australian Illawarra Shorthorn, and Friesian.
- 36321 ALLEN, A. V. Pointers for herd building. Livestock Breeder J. 10(1):12. Jan. 1967. 49 L758
Beef cattle breeding.

- 36332 AMIR, D., and VOLCANI, R. The effect of dietary ethylene dibromide (EDB) on the testes of bulls, a preliminary report. *Fertil. Steril.* 18(1):144-148. Jan./Feb. 1967. 448,8 F41
- 36333 BARBULESCU, I., and others. Influence of breed, age and usage regime on some semen characteristics of bulls. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:419-433. Ref. 1965. 49.9 R86L
- 36334 BASCH, J. J., and TIMASHEFF, S. N. Hydrogen ion equilibria of the genetic variants of bovine beta-lactoglobulin. *Arch. Biochem. Biophys.* 118(1):37-47. Ref. Jan. 1967. 381 Ar?
- 36335 BERGMANN, J., and ENGELER, W. The breeding production of the Swiss Brown cattle. (Ge) Schweiz. Landwirt. Monatsh. 44(9/10): 309-320. Sept./Oct. 1966. 17 Sch93
- 36336 BETTINI, T. M. Formalism mortifies Italian livestock raising. (It) *Allevatore* 22(28):1-2. July 10, 1966. 49 AL55
- 36337 BHALLA, R. C., SONI, B. K., and SENGAR, D. P. S. Studies on reproduction in Murrah buffaloes. II. Involution of uterus. *Indian Vet. J.* 43(10):892-896. Oct. 1966. 41.8 In2
- 36338 BOGNER, H. Kritische Betrachtung des bayerischen Prüfprogrammes für Bullen der künstlichen Besamung unter besonderer Berücksichtigung der Selektionskriterien Mastleistung, Futterverwertung und quantitativer Schlachtkörperwert [Critical examination of the Bavarian testing program for artificial insemination bulls with special attention to the selective criteria of fattening productivity, feed utilization, and quantitative carcass value]. Bayer. Landwirt. Jahrbuch 43(spe.no.2), 87 p. 1966. 18 L24
- 36339 BOLTON, W. D. Breeding problems cost money. *Milk Board J.* 17(12):23-24. Dec. 1966. 44.8 M5934
- 36340 BRATANOV, K., DIKOV, V., and POPOVA, YU. On the immune reactivity of cows and bulls to certain components of semen diluents. (Bu) *Vet. Med. Nauk.* 3(7):683-689. 1966. 41.8 V6468
- 36341 BROCHART, F. Fertility of dairy cattle and persistence of lactation. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(12):915-919. June 29, 1966. 14 P215Bc
- 36342 BUCH, N. C., and SHUKLA, K. P. Effect of intra-uterine plastic devices on reproduction in Surti buffaloes and Kankrej cows. *Indian J. Dairy Sci.* 19(1):25-28. Mar. 1966. 44.8 In28
- 36343 CARDINALI, M. The Canadian Holstein-Friesian is about to conquer the market. (It) *Inform. Zootec.* 13(20):855-859. Oct. 31, 1966. 40 In3
- 36344 CARDINALI, M. Evolution of the Simmental breed in Switzerland. (It) *Inform. Zootec.* 13(18):747-754. Sept. 30, 1966. 49 In3
- 36345 CARDINALI, M. History and evolution of the British Friesian cattle. (It) *Inform. Zootec.* 13(23):989-992. Dec. 15, 1966. 49 In3
- 36346 CARPENTER, F. R. Pedigrees, performance and progress. *Nat. Ass. Anim. Breeders. Proc.*, 19th Annu. Conv. 141-148. 1966. 43.9 N212
- 36347 CLARK, C. H. Dairy sire selection service. *Queensland Agr. J.* 92(10):625. Oct. 1966. 23 Q33
- 36348 CONSTANTINESCU, C., and others. Research on the rearing and productivity of Red Danish cattle breed under the conditions of R.S.R. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:139-156. Ref. 1965. 49.9 R86L
- 36349 CROCE, L. Popa, G. Dinica, A. Rosa, I. Tatamir, V. Sasu, T. Flentea, N. Margineanu, D. Chicea, M. Cosma, and W. Broos, joint authors. English summary.
- 36350 DAMIANO, A. Raising Piedmont cattle, a contribution to quality production; visit of the president of the A.I.A. and other authorities in Torino and Cuneo. (It) *Allevatore* 22(28):3,6. July 10, 1966. 49 AL55
- 36351 DERIVAUX, J. Sterility and prenatal mortality. (Fr) *Econ. Med. Anim.* 7(5):275-292. Ref. Sept./Oct. 1966. 41.8 Ec7
- 36352 DINCA, G., and others. Research on the adaptation and economic efficiency of rearing imported precocious beef cattle under the conditions of Rumania. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:201-223. 1965. 49.9 R86L
- 36353 A. Petrescu, N. David, C. Constantinescu, A. Rosa, J. Jung, G. Comanici, C. Ciocina, V. Ghiauru, and C. Stinisor, joint authors. English summary. Hereford, Aberdeen Angus, Santa Gertrudis breeds.
- 36354 DINCA, G., and others. Research concerning the morpho-productive features of the Pingzang type cattle from the western Carpathians and from the Hatzeg and Petrosani depressions. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:171-201. Ref. 1965. 49.9 R86L
- 36355 A. Petrescu, C. Constantinescu, A. Rosa, G. Banica, and V. Angelescu, joint authors. English summary.
- 36356 ELMER, L. Breeding spotlights and foundations. (Ge) *Rund 94(41):1486-1489.* Oct. 14, 1966. 17 Sch9
- 36357 Cattle in Switzerland.
- 36358 FARTHING, B. R., and STEELE, J. R. Biased estimates of heritability resulting from incorrect methods of estimating components of variance. *J. Dairy Sci.* 50(1):105-107. Jan. 1967. 44.8 J822
- 36359 Analysis of data such as milk yield.
- 36360 FEREDean, T., and BRAGARU, F. PH influence on the respiration and motility of the bull sperms in vitro. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:435-443. 1965. 49.9 R86L
- 36361 English summary.
- 36362 FLORESCU, S., TACU, A., and BILBIE, T. Dynamics of some blood physiological state of Brown breed cows. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:245-272. Ref. 1965. 49.9 R86L
- 36363 English summary.
- 36364 FLORESCU, S., and others. Physiological peculiarities of Dobrujan Red cow breed related to milk production and feeding. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:225-243. Ref. 1965. 49.9 R86L
- 36365 A. Tacu, D. Petcu, and V. Nedelnicu, joint authors. English summary.
- 36366 FODY, S. The period between two calvings and milk, meat production. (Hu) *Magyar Mezőgazdaság* 21(52):18-19. Dec. 28, 1966. 19 M27
- 36367 GILL, R. S., and others. Plasma protein-bound-iodine level in Zebu and cross-bred animals. *Indian J. Dairy Sci.* 19(1):42-44. Mar. 1966. 44.8 In28
- 36368 P. J. S. Rattan, R. Singh, and C. P. Ananakraishnan, joint authors.
- 36369 GINTHER, O. J., and others. Effect of an intra-uterine plastic coil on the oestrous cycle of the heifer. *J. Reprod. Fertil.* 12(1):193-198. Ref. Aug. 1966. 44.8 J8222
- 36370 C. O. Woody, K. Janakiram, and L. E. Casida, joint authors.
- 36371 GONDOS, G., and others. Correlation between the production of milk, contents of fats and protein substances in the Rumanian Spotted, Rumanian Brown and Rumanian Red cattle breeds. (Rum) Bucharest. *Inst. Cercet. Zooteh. Lucrarile Stiint.* 24:145-157. Ref. 1966. 49.9 R86L
- 36372 A. Gheorghiu, F. Saghin, G. Ionescu, and V. Cristea, joint authors. English summary.

- 36352 GRANTU, I., and others. Genetical analysis of some bulls employed in two experimental stations. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:379-403. Ref. 1965. 49.9 R86L
I. Gavrillet, S. Marandici, I. Popa, C. Constantinescu, and T. Pirela, joint authors.
English summary.
A. I. bulls.
- 36353 GRAY, H. G. Repeatability and heritability of forage DM intake and efficiency of feed utilization in dairy cattle. Diss. Abstr., Sect. B, 27 (5):1343B-1344B. Nov. 1966. Z5055.U49D53
- 36354 GRAVES, C. N., and SALISBURY, G. W. The metabolism of carbohydrates and other compounds by epididymal-like bovine spermatozoa. J. Reprod. Fertil. 12(1):213-215. Aug. 1966. 442.8 J8222
- 36355 HAWKINS, C. Training the A.I. technician. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:178-182. 1966. 43.9 N212
For cattle.
- 36356 HIRTH, R. S., PLASTRIDGE, W. N., and TOURTELLOTT, M. E. Survival of a Mycoplasma [agalactiae bovis] in frozen bovine semen. Amer. J. Vet. Res. 26(122):97-99. Jan. 1967. 41.3 Am3A
- 36357 HOPPE, R. Problems of vibriosis in bulls. (Pol) Med. Weter. 22(11):641-644. Ref. Nov. 1966. 41.8 M463
- 36359 HORNIOU, M., and others. Substitution of oats by maize in the feed of young male cattle and breeding bulls. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:361-378. 1965. 49.9 R86L
V. Otel, S. Rusu, I. Matei, and F. Saghin, joint authors.
English summary.
- 36359 HUSTIU, C., and others. Jersey breed used to increase the milk fat content of Brown and Red breeds. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:157-170. Ref. 1965. 49.9 R86L
D. Petcu, I. Fisteag, A. Calotiu, and I. Popa, joint authors.
English summary.
- 36360 ICHHPONANI, J. S., and SIDHU, G. S. Relative performance of Zebu cattle and the [Murrah] buffalo on urea and non-urea rations. Indian J. Dairy Sci. 19(1):33-38. Ref. Mar. 1966. 44.8 In28
- 36361 IL'INSKAYA, T. P. Changes in testicles of bulls of various ages. (Rus) Veterinariya 9: 67-69. Sept. 1966. 41.8 V8426
- 36362 JANER, C. O. Charolais - the most popular beef breed. (Sw) Lantmannen 76(24):4-6, map. Nov. 27, 1965. 11 L234
Observations in France.
- 36363 JURCO, V., and SUCHANEK, B. The comparing of milkability tests in cows of the breeds kept in Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(8):575-586. Ref. Aug. 1966. 49.9 C33
English summary.
- 36364 JURCO, V. Would the consolidation of cattle breeds in Slovakia be justified? (Cz) Pol'no-hospodarstvo 12(10):747-755, map. Ref. 1966. 49.5 P752
- 36365 KERESKE, GY. Some economic aspects in the fattening of young bulls. (Hu) Allattenyesztes 15(4):327-332. Dec. 1966. 49 AL57
English summary.
- 36366 KHAN, A. W. Calving interval and its components in Dajal cattle as influenced by various management factors. Agr. Pakistan 16(2):183-195. Ref. June 1965. 22 Ag832
- 36367 KODAGALI, S. B. Study of supernumerary teats in Gir breed. Gosamvardhana 14(6):26-27. Sept. 1966. 43.8 G69
- 36368 LUCIANA, V. Good results obtained in Great Britain by crossing with Charolais cattle. (It) Allevatore 22(3):3. Jan. 16, 1966. 49 AL55
Crossing with dairy breeds for meat.
- 36369 LUNCA, N., and FERDEAN, T. Contributions to the study of bovine semen preservation methods through freezing and at the room temperature. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:405-418. Ref. 1965. 49.9 R86L
English summary.
- 36370 MAHADEVAN, P. Breeding for milk production in tropical cattle. Commonwealth Bur. Anim. Breeding Genet. Tech. Commun. 17, 154 p. 1966. 49.9 Im7
Bibliography, p.141-154.
- 36371 MARKOVIC, P. Zootechnical and economical aspects of the utilization of minimum whole and skimmed milk rations for young bulls fattened to slaughter weight of 500 kg. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(8): 553-562. Ref. Aug. 1966. 49.9 C33
English summary.
Of the Red Spotted breed.
- 36372 MATTNER, P. E. Formation and retention of the spermatozoan reservoir in the cervix of the ruminant. Nature 212(5069):1479-1480. Dec. 24, 1966. 472 N21
In cattle and goat.
- 36373 MAULE, J. P. New freezing technique boosts A. I. for cattle. New Zeal. J. Agr. 112(6):28-29. June 1966. 23 N463
Semen storage.
- 36374 MESZAROS, I., and CZAKO, J. Contributions to the question of difficult calving in Hungarian Spotted cattle. (Hu) Allattenyesztes 15(4):295-301. Ref. Dec. 1966. 49 AL57
English summary.
- 36375 MOORHOUSE, S. Our ancient white cattle. Mod. Farmer 5(1):22. Jan./Feb. 1967. 10 M723
British White.
- 36376 MUDGE, J. W. The inheritance of grayling and related coat color characteristics of Holstein-Friesian cattle. Diss. Abstr., Sect. B, 27(5): 1344B-1345B. Nov. 1966. Z5055.U49D53
- 36377 NATIONAL ASSOCIATION OF ANIMAL BREEDERS. Proceedings of nineteenth annual convention, of "Better Cattle for Better Living," Denver, Colorado, August 21-24, 1966. n.p., 1966. 205 p. 43.9 N212
Chiefly artificial insemination of cattle.
- 36379 NATIONAL ASSOCIATION OF ANIMAL BREEDERS. ARTIFICIAL INSEMINATION COMMITTEE. Report. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:96-111. Ref. 1966. 43.9 N212
Includes abstracts of papers, in artificial insemination of cattle.
- 36379 NOVAK, M. A contribution to the study of the effect of additions of L-lysine and DL-methionine to the feed rations on the volume and quality of semen of bulls for breeding. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provodne Ekon. 2:135-144. Ref. 1966. HD1940.C95A1
English summary.
- 36380 NUTI, C. The Chiana breed in full review. (It) Allevatore 22(27):3. July 3, 1966. 49 AL55
- 36381 PARASCHIVESCU, M., and others. Contribution to the differentiation of cow sterility control treatments. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:471-482. Ref. 1965. 49.9 R86L
V. Otel, G. Paraschivescu, and V. Butnaru, joint authors.
English summary.
- 36382 PARASCHIVESCU, M., and others. Method of calculation and analysis of the cows' artificial insemination cost. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:457-470. 1965. 49.9 R86L
I. Barbolescu, E. Slavescu, G. Mitroi, F. Ciocoiu, and E. Murafa, joint authors.
English summary.
- 36383 PASSAMONTI, G. Rates table for a breeding bull. (It) Inform. Zootec. 13(21):897-902. Nov. 15, 1966. 49 In3

- 36384 PETKOV, K. Studies on the rate of infertility in cows and its dependence on certain seasonal and organisational factors. (Bu) Vet. Med. Nauk. 3(7):721-729. Ref. 1966. 41.8 V6468 English summary.
- 36385 PICCOLI, G. The Red Pied Friuli breed of [cattle] in Italy. (It) Riv. Zootec. 39(10):526-535. Oct.1966. 49 R52
- 36386 PICKETT, B. W. Quality control and laboratory procedures. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:48-50. 1966. 43.9 N212
Of cattle semen in artificial insemination.
- 36387 POPA, I., and others. Study on the raising and productivity of the red cattle breeds imported from the USSR under conditions of Rumania. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:105-117. Ref. 1966. 49.9 R86L
A. Rosa, G. Georgescu, D. Petcu, L. Ionescu, A. Calotiu, and I. Beris, joint authors.
English summary.
Estonia Red, Lithuania Red and Red Steppe; includes meat and milk production.
- 36388 POPESCU, C., and GURAU, L. Histological structure of thyroid and adrenal glands of several cattle breeds related to their body constitution and fattening ability. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:347-359. 1965. 49.9 R86L
English summary.
- 36389 PUNG, A., and TEINBERG, R. Some factors affecting fat and protein content of cow milk in the Estonian S.S.R. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:614-627. Ref. 1965. 44.2.9 Ak18
English summary.
Breeding and feeding.
- 36390 RAIMONDI, R. Indirect evaluation of the yield of meat and bone of carcasses of Piedmont cows. (It) Veterinaria [Milano] 15(4):198-204. July/Aug.1966. 41.8 V6499
- 36391 RAO, A. R. Causes of reproductive failure in cows. Gosamvardhana 14(6):23-24. Sept. 1966. 43.8 G69
In India.
- 36392 RINDERLE, L. Problems of an up-to-date breeding goal in cattle. (Ge) Bayer. Landwirt. Jahrbuch 43(spec.no.1):20-42. 1966. 18 L24
- 36393 ROB, O. Histopathological and spermiological pattern and fertility of bulls affected with degenerative processes in the generative epithelium. (Cz) Czech. Min. Zemedel. Lesního Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 39(7):437-444. Ref. July 1966. 41.9 C333
English summary.
- 36394 ROUGET, G. Expansion de la race bovine Charolaise [Expansion of the Charollais breed]. Alfort. Ecole Nat. Vet. These 32,70 p. Ref. 1966. 41.2 AL23
- 36395 ROUMY, B. An enzootic of bovine tuberculosis transmitted by artificial insemination. (Fr) Rec. Med. Vet. 142(8):729-741. Aug.1966. 41.8 R24
English summary.
By infected semen.
- 36396 ROUX, G. Evolution et avenir de l'elevage bovin dans les Alpes du Nord [Development and future of cattle raising in the northern Alps]. Alfort. Ecole Nat. Vet. These 65,76 p.,map. Ref. 1966. 41.2 AL23
Especially Abundance, Montbeliard, and Tarentaise breeds.
- 36397 RUMLER, R. H. The new look in herd type classification. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:46-47. 1966. 43.9 N212
In Holstein-Friesian.
- 36398 SCIUCHETTI, A. Swiss livestock breeding "today and tomorrow." (Ge) Agrarpolit Rev. 23(1/2):7-10. Sept./Oct.1966. 281.8 Ag824 Cattle.
- 36399 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND. Dairy Shorthorn year book for 1965. London, 1965. 123 p. 43.9 D14
- 36400 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND. Shorthorn Society's grading register for Dairy Shorthorn cattle. Volume 48, 1965. London, 1965. 58 p. 43.9 Sh8G
- 36401 SINHA, R. C., GUPTA, B. P. S., and ROY, A. Climatic environment and reproductive behaviour of buffaloes. IV. Indian J. Dairy Sci. 19(1):18-24. Ref. Mar.1966. 44.8 In28
- 36402 STAPLETON, J. H. Ratings are real. Dairy-farming Digest. 13(5):31-33. Sept./Oct.1966. 44.8 D1443
Of bulls.
- 36403 STONAKER, H. H. The scientific approach in beef cattle improvement. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:115-122. 1966. 43.9 N212
- 36404 STUBBS, W., and MAYER, B. British breeds or Brahman? Queensland Agr. J. 92(10):580-583. Oct.1966. 23 Q33
Polled Herefords as the British breed.
- 36405 STUBBS, W., and MAYER, B. Mating beef herds for more calves. Queensland Agr. J. 92(11):668-670. Nov.1966. 23 Q33
- 36406 TACHIKAWA, M. Nikugyu shiku no gijutsu to keiei [Techniques and management of beef cattle breeding]. Tokyo, Nogyo Tosho, 1966. 207 p. SF207.T3
- 36407 TACU, A., and others. Study of the productive characteristics and their correlations to microstructural peculiarities of Dobrujan Red cow's skin. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:317-346. Ref. 1965. 49.9 R86L
I. Fisteag, G. Jurenkova, and D. Petcu, joint authors.
English summary.
In milk production.
- 36408 TOMAR, N. S. Effect of the season of insemination on conception rates in Harijana cows and Murrah buffaloes. Indian J. Dairy Sci. 19(1):14-17. Mar.1966. 44.8 In28
- 36409 UBALDI, L. Beef cattle and crossbreeding. (It) Inform. Zootec. 13(22):939-940. Nov.30, 1966. 49 In3
- 36410 VACHAL, J., and BIEDERMANN, L. A study of genetic causes of a substantial increase of the milk production in the herd of the Red-Spotted cows. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(8):543-552. Ref. Aug. 1966. 49.9 C33
English summary.
- 36411 VAN VLECK, L. D. Repeatability and real producing ability; computing relationships of one animal's records. Dairy Herd Manage. 3(1):22-23. Jan.1967. SF191.D3
Genetics.
- 36412 VENKAYYA, D., and ANANTAKRISHNAN, C. P. Effect of season of calving on the length of service period in Murrah buffaloes. Indian J. Dairy Sci. 19(1):1-3. Mar.1966. 44.8 In28
- 36413 VUYST, A. DE, HENRIET, L., and MOREELS, A. Evaluation of the economical losses caused by sterility in Belgium. (Fr) Econ. Med. Anim. 7(5):293-297. Sept./Oct.1966. 41.8 Ec7
Chiefly in cattle.
- 36414 WAHID, A. Red Sindhi cattle. Karachi, Manager of Publications, 1966. 104 p. Ref. SF199.R42W3
- 36415 WALES, R. G., WALLACE, J. C., and WHITE, I. G. Composition of bull epididymal and testicular fluid. J. Reprod. Fertil. 12(1):139-144. Ref. Aug.1966. 44.2.8 J5222
- 36416 WHYTE, R. O., and MATHUR, M. L. Animal breeding for milk production. Indian Dairyman 18(6):211-221. June 1966. 44.8 In282
- 36417 WILTANK, J. K. Improving reproductive performance in a beef cow herd. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:54-63. 1966. 43.9 N212

- YEATES, N. T. M., and MURRAY, D. M. Walking trials with cattle. I. A breed comparison in moderate heat. *J. Agr. Sci. [London]* 67(3):353-358. Dec.1966. 10 J822
Hereford and Santa Gertrudis breeds in Australia.
- Feeds and Feeding
- ACCARDI, F. Digestibility of concentrates by weaned calves. (It) *Inform. Zootec.* 13(19): 805-808. Ref. Oct.15,1966. 49 In3
- ALA-UD-DIN, SIAL, M. B., and SCHNEIDER, B. H. Fattening of cattle; the effect of substituting guar meal for cottonseed cake as a protein supplement. *Agr. Pakistan* 16(1):67-74. Ref. Mar.1965. 22 Ag832
- BEATTY, D. W. J. Another look at single suckling. *Farmers' J. (N.S.)* 5(5):41. Dec.1965. 10 F2234
Beef cattle feeding in Northern Ireland.
- BERGMAN, R. Feed concentrates during the summer. (Sw) *Lantbruksvetenskap, Jämtland Härjedalen* 19(2):13,15. 1966. 11 L293
Supplementary feeding of dairy cattle on pasture.
- BERKE, P., and BEDO, S. Effect of feeding of various whole and skim milk rations on growth of Hungarian Spotted heifers. (Hu) *Allattenyesztes* 15(4):319-326. Dec.1966. 49 AL57
English summary.
- BISHOP, S. E., and BATH, D. L. Low vs. high level protein concentrate for dairy cows. *Feedstuffs* 39(3):43-44. Jan.21,1967. 286.61 F322
- BLIXT, B. Hay wafers. (Sw) *Hallands Lans Hushållningssällsk. Tidskr.* 9(5):5-28. Oct. 1966. 11 H152
Manufacture and cattle feeding.
- BORA, L. C. Quality hay; means more nutrients to cattle. *Gosamvardhana* 14(7/8):32-34. Oct./Nov.1966. 43.8 G69
In India.
- BRITZMAN, D. G. High corn silage rations cut feed costs per pound of gain. *GTA (Grain Terminal Ass.) Dig.* 26(9):27-31. Nov.1966. 280.38 G11
Steer feeding.
- BROWNING, C. B., and LUSK, J. W. Effect of stage of maturity at harvest on nutritive value of combine-type grain sorghum silage. *J. Dairy Sci.* 50(1):81-85. Ref. Jan.1967. 44.8 J822
Lactation studies with cattle.
- CAIRNIE, A. G. Digestibilidad del pasto natural seco en pie determinada por medio de indicadores utilizando vacunos de carne [Digestibility of dry weathered range grass by beef cattle as determined by indicator methods]. *Rev. Invest. Agropecuaria. Ser. 1. Biol. Prod. Anim.* 3(2):11-39. Ref. 1966. 49 R329
English summary.
Thesis (M.S.)—Oklahoma State University.
Chromic oxide and lignin as indicators; includes supplemental feeding.
- CALOTOIU, A., and PETGU, D. Experimental data concerning calves nourished on various milk rations. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:509-520. 1965. 49.9 R86L
English summary.
- CARRAZZONI, J. A. Nutritive requirements of beef cattle and pastures as feed. (Sp) *Gac. Vet.* 27(185):523-532. Ref. Dec.1965. 41.8 G112
- CHAUDHRY, H. M., SIAL, M. B., and SCHNEIDER, B. H. Fattening of cattle; the effect of levels of green feed [sorghum] and diethylstilbestrol implantation on fattening old bullocks. *Agr. Pakistan* 16(1):61-66. Ref. Mar.1965. 22 Ag832
- COPPOCK, C. E. Maximum utilization of urea. *Dairymen's League News* 51(3):6,23. Feb.1, 1967. 44.8 D1432
In cattle feeding.
- CZAJKOWSKI, Z., and DZIEMBOWSKA, T., and JEDRZEJOWSKI, A. Preliminary experiments in feeding cattle cobalt salts in the form of heavy granules. (Pol) *Med. Veter.* 22(10): 618-620. Oct.1966. 41.8 M463
- DALY, J. J. Full hand feeding of cattle for survival. *Queensland Agr. J.* 92(10):608-615. Oct.1966. 23 Q33
Beef cattle in time of drought.
- DEDECKOVA-SALOVA, J. The digestibility and utilization of crude protein at a higher nutrition level of heifers in the period from 6 to 12 months of age after a preceding period of a reduced nutrition level to an age of 6 months. (Cz) *Czech. Min. Zemedel. Ziv. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(8):563-574. Ref. Aug.1966. 49.9 C33
English summary.
- DEESE, R. E. Winter feeding "out-of-pocket" items make it costliest time of the year. *Livestock Breeder J.* 10(1):24. Jan.1967. 49 L758
Beef cattle.
- DERMINE, P., KNUTTI, H. J., and CHARETTE, L. A. Herbage and beef productivity of fertilized pastures in northern Ontario. *Brit. Grassland Soc. J.* 21(4):276-283. Ref. Dec. 1966. 60.19 B773
- DUNKLEY, W. L., and others. Intermittent administration of tocopherol to cows as an approach to increasing oxidative stability of milk. *J. Dairy Sci.* 50(1):100-102. Ref. Jan. 1967. 44.8 J822
A. A. Franke, M. Ronning, and J. Robb, joint authors.
- EKELUND, S., and WALLIN, O. Feed quality for dairy cattle. (Sw) *Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan* 1965:133-147. 11 Sw34
- ELLIOTT, R. C., MILLS, W. R., and REED, W. D. C. Survival feeding of Africaner cows. *Rhodesia Zambia Malawi J. Agr. Res.* 4(2): 69-75. Ref. July 1966. 24 R3472
In times of drought in Southern Rhodesia.
- GANPATHY, C. N. Calcium and phosphorus in the nutrition of cattle. *Indian Dairyman* 18 (9):321-323. Ref. Sept.1966. 44.8 In282
- GEROV, K., CHUSHKOV, P., and GEORGIEVA, R. On the application and action of colostrum serum (lactoplasmine) in calves. (Bu) *Vet. Med. Nauk.* 3(8):855-864. Ref. 1966. 41.8 V6468
English summary.
- GONDOS, G., and GHEORGHIEU, A. Cow-milk production and quality as influenced by feeding on kohlrabi, compared to sugar beet and ensiled maize. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 22:295-315. Ref. 1965. 49.9 R86L
English summary.
- GOODRICH, R. D., and MEISKE, J. C., and JACOBS, R. E. Meeting the mineral requirements of cattle and sheep. *Minn. Univ. Ext. Bull.* 335.4, p. Aug.1966. 275.29 M66S
- GOODRICH, R. D., MEISKE, J. C., and JACOBS, R. E. Urea and other nonprotein nitrogen compounds for cattle and sheep. *Minn. Univ. Ext. Bull.* 333.4, p. Aug.1966. 275.29 M66S
- GOODRICH, R. D., MEISKE, J. C., and JACOBS, R. E. Vitamin A and carotene for cattle and sheep. *Minn. Univ. Ext. Bull.* 334, 3 p. Aug.1966. 275.29 M66S
- HAINES, C. E., and ALLEN, R. J. Grazing trial results, 1964-1965. *Fla. Everglades Exp. Sta. Mimeo Rep.* EE566-6,4 p. Nov.1965. 100 F663
Nutritive value of forage for yearling steers.
- HALE, W. H. Basic concepts in ruminant nutrition. *Cattleman* 53(8):39. Jan.1967. 49 C29
Cattle.
- HAWKINS, G. E., and LITTLE, J. A. Combined effects of type of forage fed, of concentrate ingredients, and of pelleting concentrates on rumen fermentations, milk yield, and milk composition of dairy cattle. *J. Dairy Sci.* 50 (1):62-67. Ref. Jan.1967. 44.8 J822

- 36451 HELIN, K. Forage plants—hay wafers—feed. (Sw) Svensk Valltidskr. 4(6):168-171. 1965. 60.8 Sv22
Includes dairy cattle feeding.
- 36452 HILLERSTIG, A. Various ways of solving summer feeding. (Sw) Lantbrukstidskr. Jamtland Harjedalen 19(2):11-12. 1966. 11 L293
Dairy cattle on pastures.
- 36453 HOGAN, M. R., and others. Effect of level of intake and other factors on digestibility of Climax timothy hay. J. Dairy Sci. 50(1):86-89. Jan.1967. 44.8 J822
B. W. Henderson, E. R. Berousek, R. C. Wakefield, and R. W. Gilbert, joint authors.
Fed to cattle.
- 36454 ICHHPONANI, J. S., and SIDHU, G. S. Effect of urea on the voluntary intake of wheat straw in Zebu cattle and the buffalo. Indian Vet. J. 43(10):880-886. Ref. Oct.1966. 41.8 In2
- 36455 JOHANSSON, G. Experiments in intensive feeding and readiness for slaughter of young cattle. (Sw) Skaraborgs Lans Hushallnings-sallsk. Tidsn. 5:81-83,86. Oct.1966. 11 S61
- 36456 JOHANSSON, O. A more insistent form of advisory service for feeding. (Sw) Kalmars Lans Hushallningsallsk. Tidskr. 1:14-15. Feb.1966. 11 K123
Dairy cattle.
- 36457 JOHRI, P. N. Effect of high ingestion of phytic acid phosphorus on the metabolism of calcium and phosphorus in the presence and absence of oxalic acid. Indian J. Dairy Sci. 19(1):10-13. Mar.1966. 44.8 In28
Fed to cattle.
- 36458 JONSSON, G. Calcium in the cow rations during late pregnancy. (Sw) Svensk Husdjurskotsel Ladugard. 2:41-42. Feb.1966. 44.8 L12
For prevention of milk fever.
- 36459 JOURNET, M. The utilization of conserved forages by dairy cows. (Fr) Rev. Elevage 21 (spec.no.40):131-132,135-137. 1966. 49 B462
Milk production from feeding hay and silage.
- 36460 JUCKER, H. The feed utilization of ruminants with feeding of abundant silage. (Ge) Grune 94(47):1717-1722. Nov.25,1966. 17 Sch9
Cattle in Switzerland.
- 36461 KECSKES, S., and BALIKAI, S. Effect of feeding of different intensity on first lactation output of Hungarian Spotted cows. (Hu) Allatten-yesztes 15(4):281-292. Ref. Dec.1966. 49 AL57
English summary.
- 36462 KRELOWSKA, M. Effect of cobalt, phosphoric acid, terramycin, lactic acid and vitamin A added to fodder on the digestibility of nutrients as determined by the classical and indicator methods. (Pol) Acta Agr. Silvestria.Ser. Zootech. 6(1):18-32. Ref. 1966. 49 Ac8
English summary.
Study with cattle; includes chromic oxide technique.
- 36463 KRELOWSKA, M. Effect of cobalt, phosphoric acid, terramycin, lactic acid and vitamin A added to fodder on the level of volatile fatty acids in the rumen content of cows and on the digestibility of fibre. (Pol) Acta Agr. Silvestria. Ser. Zootech. 6(1):3-17. Ref. 1966. 49 Ac8
English summary.
- 36464 LINGONBLAD, F. O. Get rid of the feed flavor. (Sw) Tidskr. Lantman Andelsfolk 18:413. Sept.30,1965. 20 T43
Milk.
- 36465 LOGAN, S. H., and KING, G. A. A study of structural aspects: beef cattle feeding and slaughtering in California. Calif. Agr. Exp. Sta. Bull. 826,47 p.,map. Ref. Aug.1966. 100 C12S
Feedlot.
- 36466 LOMBARD, J. H., and RETIEF, J. S. The economical finishing of beef cattle. 2. Meat Indus. [Pretoria] 15(4):35-37,39-40. Oct./Dec.1966. 50.8 M466
- 36467 MATTAREI, A. Customs and traditions of the mountain valleys. (It) Terra Trentina 12(7/8): 271-273. July/Aug.1963. 15 T277
Cattle fattening on mountain pastures.
- 36468 MONTI, H., and TELLECHEA, H. Concentrados como suplemento de las pasturas en la alimentacion de vacas lecheras en produccion [Concentrates as supplement of pasture in the feeding of lactating dairy cows]. Rev. Invest. Agropecuar. Ser. I. Biol. Prod. Anim. 3(1), 10 p. Ref. 1966. 49 R329
English summary.
Grain as supplement.
- 36469 MORRIS, J. G. Supplementation of ruminants with protein and non-protein nitrogen under northern Australian conditions. Australian Inst. Agr. Sci. J. 32(3):185-195. Ref. Sept. 1966. 23 Au74
Cattle and sheep.
- 36470 MUDGAL, V. D., SIDHU, K. S., and RAY, S. N. Studies on the associative effect of feeds on the utilization of nutrients from roughages. Indian J. Dairy Sci. 19(1):4-9. Ref. Mar.1966. 44.8 In28
- 36471 MURDOCK, F. R., and HODGSON, A. S. Milk production response of dairy cows fed high-moisture grass silage. I. Effect of varying levels of hay and concentrate. J. Dairy Sci. 50(1):57-61. Jan.1967. 44.8 J822
- 36472 MUTCH, C. B. Handy urea-molasses lick feeder. Queensland Agr. J. 92(10):630-632. Oct.1966. 23 Q33
Cattle.
- 36473 MYERS, G. S. Effects of roughage levels, heated concentrates and bicarbonate on digestion and milk yield and composition. Diss. Abstr., Sect. B, 27(5):1345B. Nov.1966. Z5055.U49D53
- 36474 NATH, K., AGARWALA, O. N., and MAHADEVAN, V. Spent aniseed (Pimpinella anisum) as a cattle feed. Indian Vet. J. 43(10):908-912. Oct.1966. 41.8 In2
- 36475 NEDELNIUC, V., and others. Contributions to the study of physiological bases of employing molasses and cobalt in rearing suckling calves. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrare Stint. 22:521-550. Ref. 1965. 49.9 R86L
P. Stavar, G. Jurenkova, D. Popovici, C. Popescu, L. Gurau, E. Petrache, and A. Rosa, joint authors.
English summary.
- 36476 NOONAN, J. B. Grasses and clovers for winter pastures. Dairy Top. 10(7):21-23. Jan./Feb. 1966. 44.8 D1444
In Australia.
- 36477 NOTTORG, A. What's wrong with our grass? Mo. Ruralist, Oct.9,1965:6-17. 6 R8891
Beef cattle pasturing.
- 36478 OGER, Y. Dangers from pasturing: how to avoid them. (Fr) Potasse 39(330):219-223. Dec.1965. 57.8 P84
Digestive disturbances of cattle.
- 36479 O'NEIL, M. J. Self feeding silage. Dairyfarming Dig. 13(5):9-12. Sept./Oct.1966. 44.8 D1443
In Australia.
- 36480 PALAMARU, E., and others. Feeding of milk-cows and fattening of cattle and pigs on sugar beet. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrare Stint. 22:5-32. Ref. 1965. 49.9 R86L
S. Nicoliciu, T. Pirlea, D. Petcu, S. Rusu, M. Sirbu, I. Hagea, M. Bica, M. Tomus, F. Saghin, and V. Tascenko, joint authors.
English summary.
- 36481 PIATKOWSKI, H. More high quality meat through production of young beef cattle. (Ge) Fleischermeister 20(10):264-265. Oct.1966. 50.8 F622
Meat production of milk-fed calves.
- 36482 PICCIONI, M. Colostral milk for calves. (It) Esso Agr. 15(6):22-23. Dec.1966. 58.8 Es7
- 36483 PICCIONI, M. Feeding of cattle with rice by-products. (It) Esso Agr. 15(5):14-15. Oct. 1966. 58.8 Es7
- 36484 PETERSE, P. J. S., and BUTLER, R. A new system for the finishing of store oxen. Farming S. Afr. 42(8):11,13,17. Nov.1966. 24 So842

- 36485 PONTAILLER, S. Spring forage; is it dangerous? (Fr) Potasse 39(330):225-228. Dec. 1965. 57.8 P84
Digestive disturbances of cattle.
- 36486 RADULESCU, I., and others. Optimum quantities of ensiled maize in cows' and ewes' feed. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrările Stiint. 22:77-101. Ref. 1965. 49.9 R86L
G. Marinescu, D. Georgescu, L. Ionescu, V. Micusan, S. Berindei, L. Raicu, and N. Rosca, joint authors.
English summary.
- 36487 RAICU, E., and others. Fattening of young cattle on green feed. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrările Stiint. 22:567-577. Ref. 1965. 49.9 R86L
M. Bica, D. Chigea, and N. Rosca, joint authors.
English summary.
- 36488 RAIGU, E., and others. Establishment of the optimum duration of fattening young cattle. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrările Stiint. 22:551-565. Ref. 1965. 49.9 R86L
M. Bica, D. Georgescu, G. Popescu, and N. Rosca, joint authors.
English summary.
- 36489 RAZDAN, M. N., and others. Effect of feed & water, & different environmental conditions on the distribution of extracellular water in Tharparkar cattle. Indian J. Exp. Biol. 4(2):106-108. Ref. Apr. 1966. 44.8 In2
M. C. Ganguli, K. C. Mukherji, and S. N. Ray, joint authors.
- 36490 REDDY, M. C., and others. Effects of feeding poloxalene on milk flavor. J. Dairy Sci. 50(1):35-39. Jan. 1967. 44.8 J822
R. Bassette, G. Ward, J. R. Dunham, and E. E. Bartley, joint authors.
Used for blood prevention.
- 36491 REED, W. D. C., ELLIOTT, R. C., and TOPPS, J. H. Digestibility and rate of passage of high-concentrate diets through the digestive tract of young steers, Rhodesia Zambia Malawi J. Agr. Res. 4(2):77-80. July 1966. 24 R3472
Africander steers in Southern Rhodesia.
- 36492 RIONI, M., and BINI, R. P. Feeding steers with high doses of concentrates. (It) Riv. Zootech. 39(11):562-577. Ref. Nov. 1966. 49 R52
English summary.
Concentrates supplementing hay.
- 36493 RIONI, M. Results of a fattening test with purebred cattle. (It) Agr. Venez. 20(10):485-492. Oct. 1966. 16 Ag826
- 36494 ROTTGERMANN, P. Vollmilcharme Kalbermast unter besonderer Berücksichtigung des Fettproblems; Literatur studie und Ergebnisse eigener Untersuchungen [Low whole milk fattening of calves with special attention to the fat problem: literature survey and results of some investigations]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 17,178 p. Ref. 1965. 105.8 B644
- 36495 SANNE, S. Can cattle utilize nitrogen from heavily nitrogen fertilized forage plants? (Sw) Lantmannen 77(2):6-7. Jan. 22, 1966. 11 L234
Hay and silage.
- 36496 SANNE, S. Meadow forage in dairy cattle feeding. (Sw) Lantmannen 77(2):4-6. Jan. 22, 1966. 11 L234
Hay and silage.
- 36497 SANNE, S. Pasture and dairy cows. (Sw) Var Naring 43(3):86-87. 1966. 44.8 M692
Feeding.
- 36498 SCHAFFNER, M., WUST, E., and SCHNEEBERGER, H. Research on the influence of varying amounts of feed concentrates in cattle fattening. (Ge) Schweiz. Landwirt. Monatsh. 44(11):341-365. Nov. 1966. 17 Sch93
Includes costs.
- 36499 SCHMEKEL, J. Hay wafers as feed. (Sw) Svensk Vallidskr. 5(1):9-11. 1966. 60.8 Sv22
Cattle.
- 36500 SMITH, K. H. Milk fever and feeding. (Sw) Svensk Husdjurskotsel Ladugard. 2:43-44. Feb. 1966. 44.8 L12
Prevention in cattle.
- 36501 SONDEREGGER, H. Feeding of cattle for production. (Ge) Grune 94(45):1645-1651. Nov. 11, 1966. 17 Sch9
For milk and meat production in Switzerland.
- 36502 SPASOVA, S. Fattening of Red Sadovo cattle and its hybrids. (Bu) Viss. Sel'skokopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):343-352. Ref. 1965. 106.3 P72
German summary.
- 36503 TIECCO, G. Meat meal, dried milk and plant meal as sources of infection for young animals. (It) Nuovo Prog. Vet. 21(23):1088, 1090-1092. Dec. 15, 1966. 41.8 P42
Salmonella contamination of calf feeds.
- 36504 TISSERAND, J. L. Conserved forages and beef production of cattle. (Fr) Rev. Elevage 21(spec.no.40):139-140, 143-144. 1966. 49 B462
Quality of hay and silage and use of concentrates.
- 36505 UBALDI, L. Feeding requirements and rationing for young cattle. (It) Inform. Zootec. 13(17):699-704. Sept. 15, 1966. 49 In3
- 36506 URBANYI, L. Effect of various feeding on blood composition and on certain tissues and ash content of the femur in white meat calves. (Hu) Allattenyesztes 15(4):315-318. Dec. 1966. 49 AL57
English summary.
Roughage or hay substitution of milk powder.
- 36507 VALLENTINE, J. F. Consumption of range forage. Nebr. Cattleman 23(5):20-21. Jan. 1967. 43.8 N27
- 36508 VENTURA, P. G. Program of feeding also important for cattle. (It) Terra Trentina 12(9):295-297. Sept. 1966. 16 T277
- 36509 WIKTORSSON, H. Experiments with varying amounts of roughage for milk cows. (Sw) Lantbrukslidskr. Jämtland Härjedalen 19(1):18-19. 1966. 11 L293
- 36510 WING, J. M. Modern forages easily, rapidly digested. Dairy Herd Manage. 3(1):34. Jan. 1967. SF191.D3
- 36511 WISE, W. E., and SCHEIDENHELM, E. C. Precautions in using feed additives for dairy animals. Ky. Univ. Ext. Leaf. 294.6 p.-folder. Oct. 1966. 275.29 K415Le
- 36512 WISNIEWSKI, J. Clinical observation on hypovitaminosis of cattle. (Pol) Med. Weter. 22(10):592-595. Oct. 1966. 41.8 M463
- 36513 ZELTER, S. Z. Ruminants and conserved forages. (Fr) Rev. Elevage 21(spec.no.40):111-112, 115, 117, 119-122, 125, 127-128. 1966. 49 B462
Nutritive value of hay and silage for cattle.

Veterinary Medicine

- 36514 ADAMOVICH, V. L., and others. Observations on the status of epizootic intensity in natural tularemia foci by determining agglutinins in the blood of livestock. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 10:35-40. Oct. 1966. 44.8 Z4
A. A. Dozortseva, N. N. Dieva, V. M. Strutinskii, M. F. Lipatnikova, L. S. Dynkevich, and L. N. Zhigunova, joint authors.
English summary.
Cattle.
- 36515 ADMONT, P. H. Disinfection of pastures with calcium cyanamide. (Fr) Bull. Engrais 489:91-94. Apr. 1966. 57.8 B87
For the control of lungworm and liver flukes in cattle.
- 36516 ADMONT, and NAUDIN. Enquiry on springtime grass tetany in the North and Pas-de-Calais in 1965. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(12):902-915. June 29, 1966. 14 P215Bc
Cattle.
Includes discussion.
- 36517 AKHTAR, A. S. Virus diarrhoeas and some enteric viruses recently isolated from cattle. Agr. Pakistan 16(1):79-84. Ref. Mar. 1965. 22 Ag832

- 36518 BABAEVA, R. I. Seasonal effect on survival time of cattle tapeworm oncospheres on surface soil in Samarkand. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):557-559. Sept./Oct. 1966. 448.8 M469
English summary.
- 36519 BAILEY, C. B. Siliceous urinary calculi in calves: prevention by addition of sodium chloride to the diet. Science 155(3763):696-697. Feb.10,1967. 470 Sci2
- 36520 BARTIETT, D. E., and IARSON, L. L. Preventing losses from trichomoniasis. Cattleman 53(8):42-43, map. Jan.1967. 49 C29
- 36521 BARYA, M. A. The serologic characteristics of several bovine enteroviruses. Diss. Abstr., Sect. B, 27(1):29B. July 1966. Z5055.U49D53
- 36522 BEADLE, G. G. Mortality in older calves can be avoided. New Zeal. J. Agr. 112(6):47. June 1966. 23 N46J
- 36523 BHANDARI, R. M., VELHANKAR, D. P., and SANE, C. R. Preliminary studies on affections of cervix in Murrah buffaloes with regard to etiology, classification and incidence. Indian Vet. J. 43(10):859-864. Ref. Oct.1966. 41.8 In2
Cervix uteri.
- 36524 BOCCALARI, F. Considerations and experimental investigations on the adaptability of dairy cattle to mechanical milking. (It) Bull. Agr. [Milano] 99(21):1-4. (Cont.) Oct.29,1965. 16 B87
Udder conformation.
- 36525 BOGART, R. Synchronization of estrus in cattle. Nat. Ass. Anim. Breeders. Proc. 19th Annu. Conv.:152-158. 1966. 43.9 N212
- 36526 BORNAREL, P., and others. Preliminary study on an isolated virus during a European epidemic of foot-and-mouth disease type O. (Fr) Rec. Med. Vet. 142(10):921-934. Oct.1966. 41.8 R24
J. Fontaine, J. Terre, C. Dubouclard, and M. Roumainzeff, joint authors.
English summary.
Includes preparation of vaccine for the control of the disease in cattle.
- 36527 BREMNER, K. C. The reticulocyte response in calves made anaemic by phlebotomy. Australian J. Exp. Biol. Med. Sci. 44(3):251-258. Ref. June 1966. 442.8 Au7
- 36528 BREMNER, K. C. Variations with age in the plasma iron and total iron-binding capacity in dairy calves. Australian J. Exp. Biol. Med. Sci. 44(3):259-270. Ref. June 1966. 442.8 Au7
- 36529 BRION, A. Control of cattle brucellosis. (Fr) Rev. Elevage 21(10):81-82,85-86,89. Oct.1966. 49 B462
- 36530 BROOKBANKS, E. O. The relationship of mastitis to milking techniques. New Zeal. J. Agr. 112(6):14-15. (Concl.) June 1966. 23 N48J
In cows.
- 36531 CALCINARDI, C. Treatment of cattle in the Valtellina region for tuberculosis and brucellosis. (It) Nuovo Prog. Vet. 21(22):1007-1008, 1010. Nov.30,1966. 41.8 P942
Control program.
- 36532 CALEY, H. K. Infectious bovine rhinotracheitis in cattle (red nose). Kans. State Univ. Agr. Ext. L-131, rev., 6 p.-folder. Oct.1966. 275.29 K13Le
- 36533 CENA, K. Investigations on the absorption of solar radiation in cows and horses of various colours. (Pol) Acta Agr. Silvestria. Ser. Zootech. 6(1):93-138. Ref. 1966. 49 Ac8
English summary.
- 36534 CHARMILLOT, B. Injuries due to cortico therapy. (Fr) Schweiz. Arch. Tierheilk. 108 (9):486-489. Sept.1966. 41.8 Sch9
English summary.
Harmful effects of corticosteroids on cattle.
- 36535 CHECHNEV, I., and others. Diatelic immunization against foot-and-mouth disease. (Rus) Veterinariya 9:28-29. Sept.1966. 41.8 V6426
V. Anchev, R. Cholokova, and I. Shopov, joint authors.
Through mammary gland of cattle.
- 36536 CHERNENKO, I. S., and GORKOV, M. P. Ru-
menotomy with application of a new fixator. (Rus) Veterinariya 9:57-59. Sept.1966. 41.8 V6426
Cattle.
- 36537 CHOUDARY, J. B. Cyclic changes in bovine graafian follicles. Diss. Abstr., Sect. B, 27(5): 1598B-1599B. Nov.1966. Z5055.U49D53
- 36538 CINQ-FRAIS, R. Essais sur l'épizootologie des infections neorickettsiennes animales; enquête sérologique chez les bovins [Tests on the epizootiology of animal neorickettsial infections; serological investigation in cattle]. Alfort. Ecole Nat. Vet. These 16,46 p. Ref. 1966. 41.2 AL23
- 36539 CLARK, J. G., MACKEY, D. R., and SCHEEL, E. H. Evaluation of sustained-release sulfamethazine in infectious diseases of cattle. Vet. Med./Small Anim. Clin. 61(11):1103-1105. Nov.1966. 41.8 M69
- 36540 CLERC, B. Etude clinique de quelques affections de l'appareil urinaire chez les femelles de l'espèce bovine [Clinical study of some diseases of the urogenital system of the female bovine species]. Alfort. Ecole Nat. Vet. These 18,46 p. 1966. 41.2 AL23
- 36541 CRAWFORD, R. Brucellosis eradication. New Zeal. Meat Prod. 11(3):40. Dec.1,1966. 50.8 N48
In cattle.
- 36542 CUTLIP, R. C. Experimental nitrogen dioxide poisoning in cattle. Pathol. Vet. 3(5):474-485. Ref. 1966. 41.8 P27
- 36543 DAGNINO, V. A problem as important as troublesome; hygiene of cattle feet. (It) Inform. Zootec. 13(23):993-997. Dec.15,1966. 49 In3
- 36544 DASTOLI, F. R., and PRICE, S. Sweet-sensitive protein from bovine taste buds, isolation and assay. Science 154(3751):905-907. Ref. Nov.18,1966. 470 Sci2
- 36545 DAWSON, P. S., and PATTERSON, D. S. P. Neuraminidase activity of a bovine strain of parainfluenza 3 virus. Nature 213(5072):185-186. Ref. Jan.14,1967. 472 N21
- 36546 DERIVAUX, J., and DEWALQUE, J. Dilatation and torsion of the abomasum of the cattle. (Fr) Econ. Med. Anim. 7(5):306-316. Ref. Sept./Oct.1966. 41.8 Ec7
- 36547 DERLOGEA, V., and others. Observations on a new case of congenital abnormality in the cattle of our country, a total alopecia. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 22:483-490. 1965. 49.9 R86L
T. Pirlea, S. Ilea, and V. Catargiu, joint authors.
English summary.
- 36548 DIETZ, O., and NAGEL, E. A clinical contribution to abomasitis. (Ge) Schweiz. Arch. Tierheilk. 108(10):542-555. Ref. Oct.1966. 41.8 Sch9
English summary.
Cattle.
- 36549 DIRKSEN, G., and KAUFMANN, W. Acetonemia and feeding. (Ge) Tierarztl. Umsch. 21(10): 514-516,521-522. Ref. Oct.1,1966. 41.8 T445
Cattle.
- 36550 DOICHEV, S., ZAGORSKI, D., and SERTEV, M. Course of the dermo-adrenalin test according to the functional state of the genital apparatus in cows. (Bu) Vet. Med. Nauk. 3(7): 691-708. Ref. 1966. 41.8 V6468
English summary.
- 36551 DOMMERT, A. R. Fatty acid analyses of bovine erythrocytes during anaplasmosis and eperythrozoonosis. Diss. Abstr., Sect. B, 27 (5):1360B-1361B. Nov.1966. Z5055.U49D53
- 36552 DONGEN, C. G. VAN, and HAYS, R. L. Oxytocic activity in unextracted blood plasma during calving. J. Reprod. Fertil. 11(3):317-323. Ref. June 1966. 442.8 J8222
- 36553 DUTT, B. Milk tetany in cows' calves. Gosam-
vardhana 14(3):3-5. June 1966. 43.8 G69

- 36554 DZIALOSZYNSKI, L., and others. Level of protein fractions in the blood serum of cows with tuberculosis. (Pol) Poznan, Wyzsza Szkola Roln. Roczn. 22:49-54. Ref. 1965. 106.2 P872
T. Kotik, U. Prusiewicz-Witaszek, and I. Hewanska, joint authors.
English summary.
- 36555 ERICKSON, B. H. Development and radio-response of the prenatal bovine ovary. J. Reprod. Fert. 11(1):97-105. Ref. Feb. 1966. 442.8 J8222
- 36556 FARHAN, S. M. A. Factors affecting appetite in dairy calves. Diss. Abstr., Sect. B, 27(1): 8B. July 1966. Z5055.U49D53
Relationship of blood composition to feed intake.
- 36557 FISHER, L. J., ELLIOT, J. M., and CORSE, D. A. Fatty acid composition of bovine milk fat as influenced by intravenous infusion of propionate or glucose. J. Dairy Sci. 50(1):53-56. Ref. Jan. 1967. 44.8 J822
- 36558 FLEISCHER, S., and MCCONNELL, D. G. Preliminary observations on the lipids of bovine retinal outer segment disks. Nature 212(5068): 1366-1367. Dec. 17, 1966. 472 N21
- 36559 FLYNN, K. E. Anti-foaming agents control bloom. Dairyfarming Fact. 13(5):6-8. Sept./Oct. 1966. 44.8 D1443
- 36560 FOSTER, J. W., and EDENS, J. D. Early trials with new agent for Bang's control promising. Livestock Breeder J. 10(1):66-B. Jan. 1967. 49 L758
Immunizing agent for cattle and swine.
- 36561 FUJIMOTO, Y., and OLSON, C. The fine structure of the bovine wart. Pathol. Vet. 3(6): 659-684. Ref. 1966. 41.8 P27
- 36562 FUNK, C. D., SCHULTZ, L. H., and BARR, G. R. Investigations on possible use of mastitis-screening tests in Dairy Herd Improvement Association central laboratories. J. Dairy Sci. 50(1):47-52. Ref. Jan. 1967. 44.8 J822
- 36563 GARTNER, R. J. W., and ALEXANDER, G. I. Hepatic vitamin A reserves in drought-stricken cattle. Queensland J. Agr. Anim. Sci. 23(1): 93-95. Mar. 1966. 23 Q87
- 36564 GIANTURCO, R. Brachial plexus block in a cow. Mod. Vet. Pract. 48(2):53-54. Feb. 1967. 41.8 N812
Anesthetic technique.
- 36565 GIORGETTI, A. Enucleation of corpus luteum in the anovulatory cycles of cattle. (It) Veterinaria [Milano] 15(2):74-76. Mar./Apr. 1966. 41.8 V6499
- 36566 GORANOV, KH., and TSVETKOV, A. Effects of ultrasound on the calf's abomasum secretion. (Bu) Vet. Med. Nauk. 3(8):873-878. Ref. 1966. 41.8 V6468
English summary.
- 36567 GRAY, A. P. Clinicopathologic observations of experimental infectious bovine keratoconjunctivitis. Diss. Abstr., Sect. B, 27(5):1527B. Nov. 1966. Z5055.U49D53
- 36568 HAINES, C. E. The value of thiabendazole to steers on pasture. Fla. Everglades Exp. Sta. Mimeo Rep. EE567-5, 5 p. Oct. 1966. 100 F663
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 36569 HANSEN, R. P. Phytanic acid and other branched-chain fatty acid constituents of bovine rumen bacteria. J. Dairy Res. 33(3):333-342. Ref. Oct. 1966. 44.8 J823
- 36570 HARTMANN, P. E. The uptake of l-lactate and d-glucose by the mammary gland of the cow. Australian J. Biol. Sci. 19(3):495-497. Ref. June 1966. 442.8 Au72
- 36571 HAUPTMAN, B., and KAMINSKI, K. Ringworm therapy in cattle. (Pol) Med. Weter. 22(11): 685-687. Ref. Nov. 1966. 41.8 M463
- 36572 HAYMAN, R. H., and others. Skin thickness in Sahiwal and Jersey cattle and its measurements. J. Agr. Sci. [London] 67(3):345-351. Dec. 1966. 10 J822
J. W. U. Beeston, T. E. Allen, and T. Nay, joint authors.
- 36573 HELLSTROM, P. How early can we make the calving age of heifers? (Sw) Lantmannen 77(7):9-10. Apr. 2, 1966. 11 L234
Comments by Ivar Johansson, p. 10.
- 36574 HERLICH, H. Effects of Cooperia pectinata on calves: two levels of repeated oral inoculation. Amer. J. Vet. Res. 28(122):71-77. Ref. Jan. 1967. 41.8 Am3A
- 36575 HIDALGO, R. J., and DIMOPOULLOS, G. T. Complement-fixation microprocedures for anaplasmosis. Amer. J. Vet. Res. 28(122): 245-251. Jan. 1967. 41.8 Am3A
In cattle.
- 36576 HIDALGO, R., and DIMOPOULLOS, G. T. Preservation of serums to be tested for anaplasmosis by the complement-fixation test. Amer. J. Vet. Res. 28(122):253-258. Jan. 1967. 41.8 Am3A
From cattle infected with Anaplasma marginale.
- 36577 HIGNETT, P. G., and NAGY, L. K. Bovine brucellosis: a study of an adult-vaccinated, Brucella-infected herd. I. The effect of Brucella abortus infection on fertility. Vet. Rec. 79(27):886-887. Dec. 31, 1966. 41.8 V641
- 36578 HINZE, P. Trichomoniasis in cattle and its control. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:85-93. 1966. 43.9 N212
- 36579 HOARD'S Dairyman round table: how to prevent calf scours. Hoard's Dairyman 112(2):72-73, 96-97. Jan. 25, 1967. 44.8 H65
- 36580 HOERLEIN, A. B. Vibriosis in cattle and vaccine research. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:81-85. 1966. 43.9 N212
- 36581 HOLMBERG, O. Foot-and-mouth disease in Europe. (Sw) Skand. Kreatursförsäkrings-bolaget. Manadsl. 44(1/2):4-6. 1966. 49.9 Sk1
Cattle.
- 36582 JAINUDEEN, M. R., HAFEZ, E. S. E., and LINEWEAVER, J. A. Superovulation in the calf. J. Reprod. Fert. 12(1):149-153. Aug. 1966. 442.8 J8222
Using pregnant mare's serum.
- 36583 JATKER, P. R., and KREIER, J. P. Relationship between severity of anemia and plasma erythropoietin titer in Anaplasma-infected calves and sheep. Amer. J. Vet. Res. 28(122): 107-113. Ref. Jan. 1967. 41.8 Am3A
- 36584 JENKINS, E. L., and HIRST, G. G. Mortality in beef cattle in north-west Queensland. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(3):134-151, map. July 1966. 281.9 Au73
- 36585 JOHNSON, L. J. Relation of certain physiological measures to performance in growing beef cattle. Diss. Abstr., Sect. B, 27(1):9B. July 1966. Z5055.U49D53
- 36586 JOHNSTON, K. G., and SHOREY, C. D. Pseudocowpox in Australia. Vet. Rec. 80(2):74-75. Ref. Jan. 14, 1967. 41.8 V641
- 36587 JURENKOVA, G., and POPOVICI, D. Concentration dynamics of some blood mineral constituents in cows before and after calving and in calves while nourished on colostrum. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:285-293. 1965. 49.9 R86L
English summary.
- 36588 JURENKOVA, G., POPOVICI, D., and RAITARU, M. Relation between protein fractions in the blood of cattle and in the milk during pregnancy and lactation. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:159-172. Ref. 1966. 49.9 R86L
English summary.
- 36589 JURENKOVA, G., and POPOVICI, D. Variations in the total and fractional content of proteins in the blood serum of calves. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:173-190. Ref. 1966. 49.9 R86L
English summary.

- 36590 KADZHISKI, D. The accuracy of certain methods of early diagnosis of pregnancy in cows. (Bu) Vet. Med. Nauk. 3(8):893-900. Ref. 1966. 41.8 V6468
English summary.
- 36591 KALTENBOCK, K. Causes of bloat of cattle and its treatment. (Ge) Tierarztl. Umsch. 21 (10):522-524,527-528,531-532. Oct. 1, 1966. 41.8 T445
With a circular catheter and fermentin.
- 36592 KHAJURIA, R. R., and RAZDAN, M. N. Hematological studies in dairy cattle. II. Leucocytic picture under different physiological states. Indian Vet. J. 43(10):886-892. Ref. Oct. 1966. 41.8 In2
- 36593 KHAN, A. W. Gestation period in Dajal cattle. Agr. Pakistan 16(3):331-339. Ref. Sept. 1965. 22 Ag832
- 36594 KHL'KEVICH, N. M. Etiology and treatment of mastitis in cows with antibiotics. (Rus) Veterinariya 9:71-73. Sept. 1966. 41.8 V6426
- 36595 KIMATA, H. Methods of collection and examination of rumen juice. (Ja) Jap. Vet. Med. Ass. J. 19(8):349-351. Aug. 1966. 41.9 J275
From cattle; includes pH analysis.
- 36596 KNAPPEN, F. Continuous analysis of rumen fluid in vivo. I. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(5):318-326. Sept. 1966. 389.78 Z3
English summary.
Cattle.
- 36597 KORGER, K., and SVOZIL, B. A contribution to the study of the activity of thyroid gland of cattle during forty days after the birth. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:145-149. Ref. 1966. HD1940.C95A1
English summary.
- 36598 KORSUN, L. L., and FIGUR, R. I. Preservation of convalescent blood and tissue biostimulants with formaldehyde. (Rus) Veterinariya 9:92-93. Sept. 1966. 41.8 V6426
Cattle, following foot-and-mouth disease.
- 36599 KREILIS, M. L. Secretion of milk from the alveolar to cisternal part of udder during milking. (Rus) Zhur. Obsch. Biol. 26(3):380-382. May/June 1965. 442.8 Z6
- 36600 KROGER, D., and JASPER, D. E. Correlation between California mastitis and Wisconsin mastitis test reagents as used in the Wisconsin mastitis test. J. Dairy Sci. 50(1):103-104. Jan. 1967. 44.8 J822
- 36601 KROMANN, R. P., MEYER, J. H., and STIELAU, W. J. Steam distillation of volatile fatty acids in rumen ingesta. J. Dairy Sci. 50(1):73-76. Jan. 1967. 44.8 J822
- 36602 KUNDU, P. B., GHOSAL, S. B., and PANDIT, R. V. A case of abomasal hernia in a bullock. Indian Vet. J. 43(10):919-923. Oct. 1966. 41.8 In2
- 36603 LAZAREV, P. S., AMELIN, I. P., and ZASLO-NOV, M. S. Immunizing properties of goal-formol vaccine and GNKI [Gosudarstvennyi Nauchno Kontrolnyi Institut Veterinarnykh Preparatov] dry virus vaccine for controlling foot-and-mouth disease. (Rus) Veterinariya 9:30-31. Sept. 1966. 41.8 V6426
Cattle.
- 36604 LE BARS, H. Physiology of reproduction in the cow (excluding gestation). (Fr) Rec. Med. Vet. 142(11):1005-1028. Ref. Nov. 1966. 41.8 R24
English summary.
- 36605 LENT, R., and FRANZBLAU, C. Studies on the reduction of bovine elastin: evidence for the presence of α_1 , α_2 , α_3 dehydrolysinonorleucine. Biochem. Biophys. Res. Commun. 26(1):43-50. Ref. Jan. 10, 1967. 442.8 B5236
- 36606 LINDHE, B. Are stillbirths preordained? (Sw) Lantmannen 76(19):8,10. Sept. 17, 1966. 11 L234
Calves.
- 36607 LIPCZYNSKI, A. A case of diaphragmatic hernia in cattle. (Pol) Med. Water. 22(11):692. Nov. 1966. 41.8 M463
- 36608 LLAHI, A., and AFZAL, H. Some observations on chemotherapy of haemorrhagic septicaemia. West Pakistan J. Agr. Res. 3(4):207-224. Dec. 1965. 22 W52
Buffaloes and Zebu calves.
- 36609 LOVE, J. N., VALENTINE, B. L., and SCALES, J. W. Effects of temperature and time on the infectivity of *Anaplasma marginale* after treatment with protective additives. Amer. J. Vet. Res. 28(122):51-54. Ref. Jan. 1967. 41.8 Am3A
Experiments with calves.
- 36610 LUEDECKE, L. O. Mastitis screening tests. Wash. State Univ. Inst. Dairying. Proc., 33d Inst. 9-11. 1966. 44.9 W27
- 36611 LUPKE, H. Further examinations of morbidity phenomena in calves during the first days of life. (Ge) Schweiz. Arch. Tierheilk. 108(10):527-536. Ref. Oct. 1966. 41.8 Sch9
English summary.
- 36612 MANUNTA, G. Old and new acquisitions on the physiology of lactation; colostrum. (It) Veterinaria [Milano] 14(2):157-164. (Cont.) Mar./Apr. 1965. 41.8 V6499
Review of the literature.
Chiefly cattle.
- 36613 MATTSON, D. E. The physical-chemical characteristics of a bovine enterovirus prototype. Diss. Abstr., Sect. B, 27(1):35B. July 1966. Z5055.U49D53
- 36614 MAYER, G. P., MARSHAK, R. R., and KRONFELD, D. S. Parathyroid effects on renal phosphorus excretion in the cow. Amer. J. Physiol. 211(6):1366-1370. Ref. Dec. 1966. 447.8 Am3
- 36615 MAZURIN, N. D., and ANOKHIN, I. I. The role of leptos in the formation of foci of non-infective leptospirosis in the Amur Region. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 8:147. Aug. 1966. 448.3 Z4
- 36616 MIKHNYUK, S. P. Keratoconjunctivitis of unspecified etiology in cattle. (Rus) Veterinariya 9:37. Sept. 1966. 41.8 V6426
- 36617 MILLER, J. K., and SWANSON, E. W. Performance and iodine metabolism of dairy cattle with iodine¹³¹ injury. J. Dairy Sci. 50(1):90-95. Ref. Jan. 1967. 44.8 J822
- 36618 MILLER, W. J. Evidence for two new systems of blood groups in cattle. Genetics 54(1,pt.1):151-158. Ref. July 1966. 442.8 G28
- 36619 MINCHEV, P., and others. On the sexual cycle disorders of cows, affected with the syndrome of ovarian cysts. (Bu) Vet. Med. Nauk. 3(8):847-853. 1966. 41.8 V6468
G. Dzhambazov, K. Nedyalkov, S. Geshev, and S. Iordanov, joint authors.
English summary.
- 36620 MINCHEV, P., and others. Study of the sexual maturity of heifers. (Bu) Vet. Med. Nauk. 3(7):709-719. Ref. 1966. 41.8 V6468
S. Doichev, R. Prakhov, G. Dzhambazov, K. Nedyalkov, and S. Georgiev, joint authors.
English summary.
- 36621 MOHAN, K., and HADIS, S. M. An experimental study on combined vaccine against haemorrhagic septicaemia and black quarter in cattle. Ceylon Vet. J. 14(3):52-58. Ref. Sept. 1966. 41.8 C33
- 36622 MOIR, K. W. Diagnosis of phosphorus deficiency in grazing beef cattle. Queensland J. Agr. Anim. Sci. 23(1):97-100. Mar. 1966. 23 Q37
- 36623 MORROW, D. A., and others. Postpartum ovarian activity and uterine involution in dairy cattle. Amer. Vet. Med. Ass. J. 149(12):1598-1609. Ref. Dec. 15, 1966. 41.8 Am3
S. J. Roberts, K. McEntee, and H. G. Gray, joint authors.
- 36624 NATZKE, R. P., and SCHULTZ, L. H. Effect of oxytocin injections on mastitis-screening tests and milk composition. J. Dairy Sci. 50(1):43-46. Ref. Jan. 1967. 44.8 J822
- 36625 NORDSTOGA, K. Carotid body tumor in a cow. Pathol. Vet. 3(5):412-420. Ref. 1966. 41.8 P27

- 36626 NYSTROM, C. G. The mastitis problem. (Sw) Sodermanlands Lans Hushallningssallsk. Ars-bok 1965:69-70. 11 SoLA
Chiefly on mechanical milking and mastitis.
- 36627 OCHS, B. O. Studies on the metabolism of calcium in cattle and guinea pigs at parturition. Diss. Abstr., Sect. B, 27(1):82B-83B. July 1966. Z5055.U49D53
- 36628 OTEL, V., and FLORESCU, S. Contributions to the study on uterine motility in cows. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:445-455. 1965. 49.9 R86L
English summary.
- 36629 OWSIEJCZUK, W., WILCZYNSKI, M., and OLSZEWSKI, A. Feed poisoning in cows caused by excessive feeding of a grain decoction. (Pol) Med. Weter. 22(11):690-691. Nov. 1966. 41.8 M463
- 36630 PANEL Discussion: Estrus cycle synchronization. Nat. Ass. Anim. Breeders. Proc., 19th Annu. Conv.:159-172. 1966. 43.9 N212
Moderator: L. Faulkner; members: B. Zimbelman, J. Wiltbank, and G. Nimick.
Use of progesterone compounds.
- 36631 PANKO, I. S. Treatment of complications in cattle following foot-and-mouth-disease. (Rus) Veterinariya 9:59-60. Sept.1966. 41.8 V6426
- 36632 PEARSE, A. G. E., and MCCONNELL, D. G. Cytochemical localization of redox compounds in isolated bovine retinal outer segment disks. Nature 212(5068):1367-1368. Dec.17, 1966. 472 N21
- 36633 PIETZ, D. E., and others. A modified Brucella ring test of cream. Amer. J. Vet. Res. 28(122):39-44. Jan.1967. 41.8 Am3A
R. K. Anderson, D. F. Werring, A. J. Kenyon, and R. Jenness, joint authors.
- 36634 PILARSKI, W., and WEGRZYN, M. A case of atypical unilateral jugular veins in a cow. (Pol) Med. Weter. 22(10):599-601. Ref. Oct. 1966. 41.8 M463
- 36635 PINE, L., and OVERMAN, J. R. Differentiation of capsules and hyphae in clubs of bovine sulphur granules. Sabouraudia 5(2):141-143. Oct.1966. 450 Sa8
Actinomyces bovis.
- 36636 POLUKHIN, F. S. Alkaline reaction in blood during various stages of ketosis in cows. (Rus) Veterinariya 9:53-55. Sept.1966. 41.8 V6426
- 36637 POPOV, A., and others. Attempts at treating paramphistomiasis. (Bu) Vet. Med. Nauk. 3(8):813-818. 1966. 41.8 V6468
D. Bankov, I. Denev, B. Georgiev, V. Bratanov, and M. Monov, joint authors.
English summary.
In cattle and sheep.
- 36638 POPOVICI, D. Physiological mechanism of milk ejection during milking. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:273-284. Ref. 1965. 49.9 R86L
English summary.
Research on cows and goats.
- 36639 POPOVICI, D. Physiological mechanism preventing output of milk during milking. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:119-135. Ref. 1966. 49.9 R86L
English summary.
Cattle and goats.
- 36640 POPOVICI, D., VERMESAN, N., and JURENKOVA, G. Biological value of colostrum and its influence on calves' development during the first month after birth. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:491-507. Ref. 1965. 49.9 R86L
English summary.
- 36641 PROY, J. C. Bloat of ruminants. (Fr) Pottasse 39(330):229-234. Dec.1965. 57.8 P84
Cattle.
- 36642 PRYOR, W. J. Some techniques for determining fecal output and digestibility of range forage by cattle. Diss. Abstr., Sect. B, 27(1):12B. July 1966. Z5055.U49D53
- 36643 RADLOFF, H. D., and SCHULTZ, L. H. Blood and rumen changes in cows in early stages of ketosis. J. Dairy Sci. 50(1):68-72. Ref. Jan. 1967. 44.8 J822
- 36644 RATNER, L. S., BYKOV, I. A., and KRUGLOV, N. E. Use of plastic sacks for collection of convalescent blood. (Rus) Veterinariya 9:93-94. Sept.1966. 41.8 V6426
Cattle.
- 36645 RIEGLE, G. D., and NELLOR, J. E. Changes in adrenocortical function during aging in cattle. J. Gerontol. 22(1):83-87. Ref. Jan.1967. 447.8 J824
- 36646 RISTIC, M. Anaplasmosis. XX. Electron microscopy of the causative agent stained by the negative contrast technique. Amer. J. Vet. Res. 28(122):63-70. Ref. Jan.1967. 41.8 Am3A
Cattle infected by Anaplasma marginale.
- 36647 ROBERTSON, L., and FARRELL, I. D. Brucella abortus (biotype 5) infection in a milk tanker driver; a study of 23 farms. Vet. Rec. 80(2):36-39. Ref. Jan.14, 1967. 41.8 V641
Ring test used for the diagnosis of the infection in Great Britain.
- 36648 RODRIGUEZ REBOLLO, M. Investigation of the Enterobacteriaceae in the biliary vesicles of cattle in slaughterhouses. (Sp) Spain. Patronato Biol. Anim. Rev. 10(2):125-141. Ref. Sept.1966. 49.9 Sp16
English summary.
- 36649 ROLLER, M. H. The effects of acute ammonia toxicity on certain blood parameters in cattle. Diss. Abstr., Sect. B, 27(5):1603B-1604B. Nov. 1966. Z5055.U49D53
- 36650 ROSS, J. G. Experimental infections of cattle with Fasciola hepatica; challenge infections. Nature 212(5069):1464-1465. Dec.24, 1966. 472 N21
- 36651 ROSE, J. H. Investigations into the free-living phase of the life-cycle of Nematodirus helveticus. Parasitology 56(4):679-691. Ref. Nov. 1966. 448.8 P21
From calves and lambs.
- 36652 RYU, E., and LIU, C. K. The viability of lepto-spires in the summer paddy water. Jap. J. Microbiol. 10(1):51-57. Apr.1966. 448.8 J273
In relation to water buffalo transmission.
- 36653 SALNIKOV, G. S. Comparative evaluation of some diagnostic methods of cow pregnancy. (Rus) Veterinariya 9:66-67. Sept.1966. 41.8 V6426
- 36654 SATTAR, S. A., and others. In utero infection of bovine fetuses with Myxovirus parainfluenza-3. Amer. J. Vet. Res. 28(122):45-49. Jan.1967. 41.8 Am3A
E. H. Bohl, A. L. Trapp, and A. H. Hamdy, joint authors.
- 36655 SCHIPPER, I. A. A new look at mastitis. Mod. Vet. Pract. 47(12):10,12-16,19-32. Oct.15, 1966. 41.8 N812
In cattle.
- 36656 SETTERGREN, I., and SODERLIND, O. Investigations on infectious infertility diseases in bovines, especially vibriosis and trichomoniasis, in India. Indian Vet. J. 43(10):851-858. Ref. Oct.1966. 41.8 In2
- 36657 SIMONOV, I. N., and MUSHINSKII, N. S. Probing of abomasum in calves. (Rus) Veterinariya 9:55-56. Sept.1966. 41.8 V6426
- 36658 SLONIM, D., and HULENOVA, M. Titration of the infectious activity of the vaccinia virus in primary tube cultures of chick embryo fibroblasts. J. Hyg. Epidemiol. Microbiol. Immunol. 10(3):296-304. Ref. 1966. 448.8 J826
- 36659 SMITH, J. E., and BEUTLER, E. Reduced di-phosphopyridine nucleotide-dependent diaphorase in foetal, newborn and adult cattle. Nature [London] 211(5050):756-757. Aug.13, 1966. 472 N21
- 36660 SOLIMAN, M. K., and SELIM, R. Blood picture of buffaloes at the various reproductive phases. Indian J. Dairy Sci. 19(1):29-32. Ref. Mar. 1966. 44.8 In28

- 36661 STEVENS, M. A., and WALLEY, J. K. Tissue and milk residues arising from the ingestion of single doses of diquat and paraquat by cattle. *J. Sci. Food Agr.* 17(10):472-475. Ref. Oct. 1966. 382 Sol2
- 36662 STRAFUSS, A. C., and SAUTTER, J. H. Clinical and general pathologic findings of aplastic anemia associated with S-(dichlorovinyl)-L-cysteine in calves. *Amer. J. Vet. Res.* 28(122):25-37. Ref. Jan. 1967. 41.8 Am3A
- 36663 SUTMOLLER, P., and others. Infectivity for cattle and pigs of three strains of foot-and-mouth disease virus isolated from carrier cattle. *Amer. J. Vet. Res.* 28(122):101-105. Jan. 1967. 41.8 Am3A
- P. A. de Mello, M. N. Honigman, and K. E. Federer, joint authors.
- 36664 SYMPOSIUM ON BOVINE VIBRIOSIS. [Papers]. *Amer. Vet. Med. Ass. J.* 149(12):1634-1646. Ref. Dec. 15, 1966. 41.8 Am3
- Dihydrostreptomycin for treatment of genital vibriosis in the bull, by C. L. Seger, R. B. Lank, H. E. Levy; Bacterins for immunization against bovine vibriosis, by B. D. Firehammer, R. L. Berg; Results of field trials and controlled laboratory studies on bovine vibriosis bacterins, by J. H. Newhall.
- 36665 TACU, A., and others. Utilization of rummizers in the fattening of young cattle. (Roum.) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 24:191-206. Ref. 1966. 49.9 R86L
- S. Florescu, R. Cosoroaba, N. Vermesan, and M. Bica, joint authors.
- English summary.
- 36666 THOMPSON, G. E. Poisoning of cattle following accidental spraying with Thiodan. *S. Afr. Vet. Med. Ass. J.* 37(1):81-83. Mar. 1966. 41.8 So8
- 36667 VARENIKA, D., KHAMAMDZHICH, M., and TSENICH, S. Dynamics of the changes in the blood and in the urinary bladder in the initial stages of chronic vesical haematuria after the introduction of healthy cattle in a haematogenous area. (Bu) *Vet. Med. Nauk.* 3(7):785-789. Ref. 1966. 41.8 V64B
- 36668 VESELOVA, T. P., and DOROSHINA, M. V. Testing hexachloro-p-xytol on liver fluke infestation in cattle. (Rus) *Veterinariya* 9:41-42. Sept. 1966. 41.8 V6426
- 36669 VINOGRADOV, S. P. Specially designed table for operation of cattle. (Rus) *Veterinariya* 9:61-62. Sept. 1966. 41.8 V6426
- 36670 VOS, M. P. M., KOSTER, K., and VOS, H. Some influences on birth weight and gestation period of Friesian calves. (Du) *Landbouwkundig Tijdschr.* 78(12):413-417. Ref. Dec. 1966. 105.2 Or3
- English summary.
- 36671 WALLACE, W. R. Loss of erythrocytic acetylcholinesterase activity and its relationship to osmotic fragility of erythrocytes in bovine anaplasmosis. *Amer. J. Vet. Res.* 28(122):55-61. Ref. Jan. 1967. 41.8 Am3A
- 36672 WALTON, J. R. Infectious drug resistance in *Escherichia coli* isolated from healthy farm animals. *Lancet* 2(7476):1300-1302. Dec. 10, 1966. 448.8 L22
- Chiefly antibiotics against scour in calves and swine.
- 36673 WHITE, W. Contagious pleuro-pneumonia of cattle. *J. Agr. [Melbourne]* 64(9):395-398. Sept. 1966. 23 V66J
- 36674 YAMADA, K., and others. Results of a survey on a farm with bovine tuberculosis prevailing and countermeasures. (Ja) *Jap. Vet. Med. Ass. J.* 19(8):335-339. Aug. 1966. 41.9 J275
- T. Udagawa, M. Koga, S. Motegi, K. Osu, and Y. Furuya, joint authors.
- English summary.
- 36675 ZABOLICK, K. Observations on the treatment of acute inflammatory states of the udders (mastitis) with the helpful action of hypophysis. (Pol) *Med. Weter.* 22(10):613-616. Ref. Oct. 1966. 41.8 M463
- Cattle.
- 36676 ZARNOWSKI, E., and others. Investigations on the fluke therapy of cattle. (Pol) *Med. Weter.* 22(10):577-579. Oct. 1966. 41.8 M463
- W. Chowaniec, J. Darski, A. Malczewski, C. Maranski, D. Zebrowska, and M. Janeczek, joint authors.

Miscellaneous

- ADAMS, R. S. Big herd can mean more (and bigger) problems, and the innovator often gets hit hardest. *Dairy Herd Manage.* 3(1):12-13. Jan. 1967. SF191.D3
- BAH, I. L'levage bovin a travers l'histoire, la civilisation et la societe Peule sedentarisee au Foutah-Djallon [Cattle raising through the history, civilization, and the sedentary Fulani society at Foutah-Djallon]. Alfort, Ecole Nat. Vet. These 68,107 p.,map. Ref. 1966. 41.2 AL23
- BERNARDELLI, O. Mantova realized a progress in livestock care. (It) *Inform. Zootec.* 13(21):905-908. Nov. 15, 1966. 49 In3
- Chiefly cattle.
- 36680 BETTENAY, R. Identification of cows under pure bred test. *Dairy Notes* 3(3):3. July 1966. 44.8 D1439
- 36681 BETTENAY, R. A. Grade herd recording. *Dairy Notes* 3(3):8-9. July 1966. 44.8 D1439
- Of cattle.
- 36682 BONINI, P. Technical and economic results of marginal raising of imported steers on the farm. (It) *Nuovo Prog. Vet.* 21(22):1034,1036, 1038,1040,1042. Nov. 30, 1966. 41.8 P942
- 36683 BRANNANG, E. Composition of beef cattle carcasses. (Sw) *Jord - Groda - Djur* 23:44-54. 1966. 11 J763
- 36684 DREWRY, G. H. The total program approach to herd health management. *Mod. Vet. Pract.* 48(2):35,38-40. Feb. 1967. 41.8 N812
- Of dairy cattle.
- 36685 EASTWOOD, B. R. Is the herd-average conflict resolved? *Hoards' Dairyman* 112(2):74,94. Jan. 25, 1967. 44.8 H65
- 36686 EDGOOSE, H. P. Fast milker—slow milker— which are you? *Dairyfarming Dig.* 13(5):3-5. Sept./Oct. 1966. 44.8 D1443
- 36687 FARKAS, MRS. P. Developing cattle husbandry. (Hu) *Magyar Mezogazdasag* 22(1):18-19. Jan. 4, 1967. 19 M27
- 36688 GUARDASONI, M. Drying period of cows. (It) *Inform. Zootec.* 13(22):941-942. Nov. 30, 1966. 49 In3
- 36689 HILDEBRANDT, H. H. Dairy cattle raising system—production comparison. (Ge) *Betriebswirtsch. Mitt. Wirtschaftsbereiter* 144:17-19. Oct. 15, 1966. 281.8 B462
- Milk production in the stanchion versus the loafing barn.
- 36690 HORSTA, A. The milk recording work in the Province, 1964/65. (Sw) *Kalmar Lant. Hushallningssallsk. Tidskr.* 6:5-6. Dec. 1965. 11 K123
- 36691 HUMPHRIES, A. J. Beef production from dairy cattle. *J. Agr. [Melbourne]* 64(9):383-386. Sept. 1966. 23 V66J
- 36692 HUOT, P. H. Bases et facteurs de l'evolution de l'levage bovin dans le Departement de l'Yonne [Foundations and factors in the development of raising cattle in the Department of Yonne]. Alfort, Ecole Nat. Vet. These 69, 126 p.,map. Ref. 1966. 41.2 AL23
- 36693 LENCSEPETI, J., and VAGVOLGYI, O. Grading of cattle for slaughter. (Hu) *Huspar* 15(6):259-266. Ref. Nov./Dec. 1966. 50.8 H95
- English summary.
- 36694 LINDBERG, A. Production of quality milk. (Sw) *Jord - Groda - Djur* 23:75-95. 1966. 11 J763
- Especially sanitation.
- 36695 LUDTKE, F. The milk recording work. (Sw) *Sodermanlands Lans Hushallningssallsk. Ars-bok* 1965:65-66. 11 So1A

DOGS AND CATS

Breeds and Breeding

- 36696 MIKECZ, I. Contributions to the use of crib block in the mid-stall cow-shed. (Hu) Allat-teneszes 15(4):303-313. Ref. Dec. 1966. 49 AL57
English summary.
Sanitation measure.
- 36697 NIBLER, C. W. Things to consider when culling. Hoard's Dairyman 112(2):108. Jan. 25, 1967. 44.8 H65
- 36698 PAGANI, A. Does it cost too much to produce milk in Italy? (It) Inform. Zootec. 13(19):787-788. Oct. 15, 1966. 49 In3
- 36699 PIROCCI, G. Organization of cattle raising. (It) Allevatore 22(1):3. Jan. 2, 1966. 49 AL55
- 36700 QUINN, J. Scientists will puzzle animals for a purpose. New Zeal. J. Agr. 113(6):70-71. Dec. 1966. 23 N48J
Cattle behavior.
- 36701 RITTER, W. Influence of management and feeding of cows on the vitamin content of milk. (Fr) Schweiz. Milchzeitung 92(101):807-809. (Concl.) Dec. 20, 1966. 44.8 Sch92
- 36702 ROBINSON, R. A. Isolation and hygiene vital in rearing young calves. New Zeal. J. Agr. 113(1):35, 37. July 1966. 23 N48J
- 36703 ROOS, A. Milk recording 1964-1965. (Sw) Svensk Husdjursktsel Ladugard. 2:46-48. Feb. 1966. 44.8 L12
- 36704 RUSSO, V. Herd behavior of cattle in an open stable. (It) Inform. Zootec. 13(17):695-697. Sept. 15, 1966. 49 In3
- 36705 SANNE, S. Milk production in Great Britain. (Sw) Var Naring 43(3):83, map. 1966. 44.8 M692
- 36706 SCHUMANN, H. Milk production testing in Bavaria, the possibilities of using it for the farm and breeding operations. (Ge) Bayer. Landwirt. Jahrbuch 43(5):585-599. 1966. 18 L24
- 36707 SERENA, G. Improvement of cattle by aptitude in mechanical milking. (It) Inform. Zootec. 13(19):797-802. Oct. 15, 1966. 49 In3
- 36708 SINGH, C. B. Application of extension methods to dairy [cattle] development. Gosamvardhana 14(6):11-15. (Concl.) Sept. 1966. 43.8 G69
- 36709 SOUTHERN RHODESIA. MINISTRY OF AGRICULTURE. Herd averages, 1964-65. Rhodesia Agr. J. 63(4 sup), 15 p., following p. 86. July/Aug. 1966. 24 R34
Dairy cattle records.
- 36710 STICHTING CENTRALE MELKCONTROLE DIENST. Jaarverslag [Annual report of the Foundation for the Central Milk Recording Service], 1965. Arnhem, 1966. 118 p. 43.9 St5
English summary.
- 36711 STOCKHOLMS LANS KONTROLLFORENING. Report on the milk recording activity in Stockholm Province and City, 1965, by Sven Olaf Svennerjog and Sven Andersson. (Sw) Lantbrukstidskr. Stockholms Lan Stad. 16(1):1-34, map. 1966. 12 L29
- 36712 TREFFL, V. Mechanization of records of dairy cattle. (Cz) Statni Statky 9(7):108-110. 1966. 19.5 St2
Data processing equipment.
- 36713 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Improving your dairy herd through the National Cooperative Dairy Herd Improvement Program. U. S. D. A. Farmers' Bull. 2132, rev., 10 p. Jan. 1967. 1 Ag84F
Record keeping.
- 36714 VAISSAIRE, M. Facility and speed in milking. (Fr) Tech. Lait. 528/529:11-13. Aug. 20/Sept. 5, 1966. 44.8 Of2
- 36715 VENINO, C., MONDINI, and GROPELLI. Dairy cattle in Lombardy; an interesting discussion on TV. (It) Allevatore 22(4):1-2. Jan. 23, 1966. 49 AL55
- 36716 WANDER, J. F. Methods and results of applied behavioral research in the raising of domestic animals. (Ge) Landbauforsch. Volkenrode 15(2):145-152. Ref. Dec. 1965. 18 L2353
Cattle and swine.
- 36717 ASSOCIATION OF MASTERS OF HARRIES AND BEAGLES. Kennel stud book, 1966. Sheffield, 1966. 54 p. 48.9 As7
- 36718 BURNS, M., and FRASER, M. N. Genetics of the dog; the basis of successful breeding. Ed. 2. Edinburgh, Oliver and Boyd, 1966. 230 p. SF427.B8
Bibliography, p. 197-217.
Includes abnormalities and behavior.
- 36719 HADI, M. A., and SANE, C. R. A record of an overseas conception of a bitch by artificial insemination with preserved semen transported to India from Great Britain. Indian Vet. J. 43(10):930-931. Oct. 1966. 41.8 In2
- 36720 HAMMOND, J. Raising the dog breed in Great Britain. (It) Inform. Zootec. 13(21):895-896. Nov. 15, 1966. 49 In3
Beagles.
- 36721 HOWELL, J. M., and SIEGEL, P. B. Morphological effects of the Manx factor in cats. J. Hered. 57(3):100-104. Ref. May/June 1966. 44.2.8 Am3
- 36722 WALES, R. G. Effects of ions and of washing on the aerobic metabolism of dog spermatozoa. J. Reprod. Fertil. 10(3):369-377. Ref. Dec. 1965. 44.2.8 J8222

Feeds and Feeding

- 36723 FILKINS, M. E., and GILLETTE, D. D. Initial dietary influences on antibody absorption in newborn puppies. Soc. Exp. Biol. Med. Proc. 122(3):686-688. July 1966. 44.2.9 Sol

Veterinary Medicine

- 36724 AVMA-AKC SYMPOSIUM ON CANINE DISTEMPER, 1966. Proceedings. Amer. Vet. Med. Ass. J. 149(5, pt. 2):601-718. Ref. Sept. 1, 1966. 41.8 Am3
Joint symposium of the American Veterinary Medical Association and the American Kennel Club.
Papers, chiefly concerned with immunization and vaccines, by W. Buckley, R. L. Ott, J. R. Gorham, J. H. Gillespie, S. E. Piercy, R. B. McClelland, G. V. Peacock, T. W. Tanoglia, D. L. Croghan, V. J. Cabasso, G. L. Ott, C. J. York, J. A. Baker, A. F. North, D. S. Robson, G. W. Thornton, B. E. Sheffy, R. W. Kirk, and J. H. Gillespie.
Includes discussion.
- 36725 AZABU VETERINARY COLLEGE HOSPITAL. A canine case of urethral calculosis possibly induced by cystitis. (Ja) Jap. Vet. Med. Ass. J. 19(7):294-297. July 1966. 41.9 J275
- 36726 AZARNOFF, D. L., GRADY, H. J., and SVOBODA, D. J. The effect of DDD on barbiturate and steroid-induced hypnosis in the dog and rat. Biochem. Pharmacol. 15(12):1965-1993. Ref. Dec. 1966. 396.8 B52
- 36727 BADINAND, F. Polyarthritides des carnivores; essai de comparaison avec les polyarthritides de l'homme [Polyarthritides of Carnivora; trials of comparison with human polyarthritides]. Alfort. Ecole Nat. Vet. These 31,61 p. Ref. 1966. 41.2 AL23
Includes dogs and cats.
- 36728 BARDENS, J. W. Glycogen storage disease in puppies. Vet. Med./Small Anim. Clin. 61(12):1174-1176. Dec. 1966. 41.8 M69
- 36729 BILD, C. E. Relationship of clinical hematology to fluid balance. Southern Vet. 4(2):7-10. Feb. 1967. 41.8 So83
In the dog.
- 36730 BOHN, F. K. Hydrochlorothiazide and cardiac glycoside for treatment of congestive insufficiency of dog. (Ge) Prakt. Tierarzt 47(11):553-554. (Cont.) Nov. 1, 1966. 41.8 P882

- 36731 BOTELHO, S. Y., and others. Electromyography in dogs with congenital spinal cord lesions. *Amer. J. Vet. Res.* 28(122):205-212. Ref. Jan. 1967. 41.8 Am3A
S. A. Steinberg, J. T. McGrath, and J. Zislin, joint authors.
- 36732 BROWN, R. C., and others. Pattern of DNA replication in chromosomes of the dog. *Cytogenetics* 5(3/4):206-222. Ref. 1966. 442.8 C992
W. L. K. Castle, W. H. Huffines, and J. B. Graham, joint authors.
- 36733 COLLINS, D. R. Allergy: a review for the practitioner. *I. Vet. Med./Small Anim. Clin.* 61(7):679-683. July 1966. 41.8 M69
For dogs and cats.
- 36734 DONOVAN, E. F. Nebulization therapy for canine cough. *Mod. Vet. Pract.* 48(1):40-41. Jan. 1967. 41.8 N812
- 36735 FERNANDO, S. D. A. Certain histopathologic features of the external auditory meatus of the cat and dog with otitis externa. *Amer. J. Vet. Res.* 28(122):278-282. Jan. 1967. 41.8 Am3A
- 36736 FISHER, W., and OTT, G. L. Experimental immunization of cats against a chronic respiratory virus. *Vet. Med./Small Anim. Clin.* 61(12):1182-1184, 1189. Dec. 1966. 41.8 M69
- 36737 FUJII, I., and others. A case of functional failure of closure of the mitral valve in the dog. (*Ja*) *Jap. Vet. Med. Ass. J.* 19(8):324-327. Ref. Aug. 1966. 41.9 J275
M. Takahashi, T. Suzuki, and T. Kita, joint authors.
English summary.
- 36738 GIRAUD, C. Contribution à l'étude de l'anesthésie mixte pharmacodynamique et électrique chez le chat [Contribution to the study of mixed pharmacodynamic and electric anesthesia in the cat]. *Alfort. Ecole Nat. Vet. These* 33, 51 p. Ref. 1966. 41.2 AL23
- 36739 GRIES, F. Untersuchungen über die renale Extraktrationsrate der p-amino-Hippursäure (EPAH) nach temporärer Ischämie der Nierenarterien [Investigations on the renal extraction rate of p-amino-hippuric acid (EPAH) following temporary ischemia of the renal arteries]. *Giessen. Justus-Liebig-Universität, Veterinarmed. Fak. [Inaug.-Diss.]* 2, 42 p. Ref. 1966. 41.2 G3642
Studied on dogs.
- 36740 GUDOSHNIK, A., and others. Dogs as possible carriers of infectious zoonoses. (*Rus*) *Veterinariya* 9:38-40. Sept. 1966. 41.8 V6426
L. S. Egorova, N. V. Voshchakina, and I. K. Chulovskii, joint authors.
- 36741 HAMLIN, R. L., and SMITH, C. R. Characteristics of respiration in healthy dogs anesthetized with sodium pentobarbital. *Amer. J. Vet. Res.* 28(122):173-178. Jan. 1967. 41.8 Am3A
- 36742 HENNAU, A., and ESSCHE, R. VAN. Laparoscopes in the dog. (*Fr*) *Econ. Med. Anim.* 7(5):327-334. Sept./Oct. 1966. 41.8 Ec7
English summary.
- 36743 HERZOG, H. Erkrankungen des gesamten Verdauungstraktes des Hundes an Hand von Sektionsergebnissen und Einsendungen an das Veterinar-Pathologische Institut der Justus Liebig-Universität zu Giessen aus den Jahren 1952-1964 [Diseases of the digestive tract of dogs on hand from findings of sections and from those sent in to the Veterinary-Pathological Institute of the Justus Liebig University of Giessen in the years 1952-1964]. *Giessen. Justus-Liebig-Universität, Veterinarmed. Fak. [Inaug.-Diss.]* 4, 166 p. 1965/1966. 41.2 G3642
Bibliography, p. 144-166.
- 36744 ICHIKI, H., and others. Blood level of mixed sulfonamides in dogs. (*Ja*) *Jap. Vet. Med. Ass. J.* 19(7):289-293. Ref. July 1966. 41.9 J275
S. Nakatsu, M. Nakamura, A. Yamane, and S. Murakawa, joint authors.
English summary.
- 36745 KOMAR, J., and KOMAR, GY. Comparative clinical and pathological observations on patients with periodic ataxia. (*Ge*) *Schweiz. Arch. Tierheilk.* 108(9):490-497. Sept. 1966. 41.8 Sch9
English summary.
Cat and man.
- 36746 LAUDE, M., and LIBERSA, C. Venous anastomosis of the hilus of the spleen in the dog. (*Fr*) *Rec. Med. Vet.* 142(11):1029-1039. Nov. 1966. 41.8 R24
English summary.
- 36747 MANTOVANI, A., and KAGAN, I. G. Fractionated *Dirofilaria immitis* antigens for the differential diagnosis of canine filariasis. *Amer. J. Vet. Res.* 28(122):213-217. Jan. 1967. 41.8 Am3A
- 36748 MARKIEWICZ, Z. Glycol poisoning by antifreeze for automobiles. (*Pol*) *Med. Weter.* 22(11):690. Nov. 1966. 41.8 M463
Ethylene glycol and tri-o-cresyl phosphate mixture poisoning of dog.
- 36749 MCCANCE, I., PHILLIS, J. W., and WRIGHT, B. The seriatim removal of foetal kittens. *J. Reprod. Fertil.* 12(1):229-232. Aug. 1966. 442.8 J8222
- 36750 MICKWITZ, C. U. VON. Inclusion bodies in the ganglia cells of Ammon's horn and the thalamus of domestic and zoo cats. (*Ge*) *Pathol. Vet.* 3(6):569-587. Ref. 1966. 41.8 P27
English summary.
- 36751 MILLER, T. A. Blood loss during hookworm infection, determined by erythrocyte labeling with radioactive chromium. I-II. *J. Parasitol.* 52(5):844-865. Ref. Oct. 1966. 448.8 J824
- 36752 MILLER, T. A. Preparation of a pure culture of *Ancylostoma braziliense* from a mixed infection of this species and *Ancylostoma caninum*, by single passage in kittens. *J. Parasitol.* 52(5):1032-1033. Oct. 1966. 448.8 J824
- 36753 MISAKA, T., and others. Clinical experience on surgical treatment of canine filariasis. (*Ja*) *Jap. Vet. Med. Ass. J.* 19(9):488-491. Sept. 1966. 41.9 J275
R. Kumagai, T. Mochinaga, and Y. Naoi, joint authors.
English summary.
- 36754 MISAKA, T., and others. Congenital stenosis and dilatation of the esophagus in dogs. (*Ja*) *Jap. Vet. Med. J.* 19(8):320-323. Aug. 1966. 41.9 J275
R. Kumagai, T. Mochinaga, and Y. Naoi, joint authors.
English summary.
- 36755 MODERN VETERINARY PRACTICE. Our panel reports: what dosage of canine distemper antiserum or globulin do you use prophylactically in puppies? Is this varied for exposed puppies or puppies which exhibit early signs of distemper? What are your results? *Mod. Vet. Pract.* 48(2):43-46. Feb. 1967. 41.8 N812
Members: M. G. Carbone, R. G. Vernon, M. A. Custer, F. P. Sattler, N. T. Freid, F. Gruesser, N. Sax, L. N. Atkinson, J. L. Putnam, E. G. Boone, L. Schreiber, and M. L. Willen.
- 36756 NAVA, G. A. Hydronephrosis due to compression of the ureter in a case of fibroma of the vagina in the bitch. (*It*) *Veterinaria [Milano]* 14(2):133-135. Ref. Mar./Apr. 1965. 41.8 V6499
- 36757 NEWBERNE, P. M. Overnutrition on resistance of dogs to distemper virus. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(6, pt. 1):1701-1710. Ref. Nov./Dec. 1966. 442.9 F31P
Obesity.
- 36758 NORTHWAY, R. B. Fusion of the lumbar vertebrae in the dog. *Vet. Med./Small Anim. Clin.* 61(12):1190-1191. Dec. 1966. 41.8 M69
- 36759 OPITZ, M. Nephrotic syndrome in the dog. (*Ge*) *Berliner Munchener Tierarztl. Wochenschr.* 79(21):417-419. (Cont.) Nov. 1, 1966. 41.8 B45
- 36760 O'SHEA, J. D. Histochemical observations on mucin secretion by subsurface epithelial structures in the canine ovary. *J. Morphol.* 120(4):347-358. Ref. Dec. 1966. 444.8 J826

- 36761 PARRIS, L. S., and PARRIS, R. G. Liothyronine in the diagnosis and management of hypothyroid dogs. *Vet. Med./Small Anim. Clin.* 61 (11):1080-1082. Nov. 1966. 41.8 M69
- 36762 PRIER, J. E., and others. In vivo effects of canine lymphosarcoma deoxyribonucleic acid. *Amer. J. Vet. Res.* 28(122):183-189. Ref. Jan. 1967. 41.8 Am3A
J. Roszel, P. H. Craig, and D. F. Cain, joint authors.
- 36763 PUISSEGUR, J. A. Observations on therapeutics; dogs and horses diseases. (*Sp*) *Gac. Vet.* 27(184):492-500. Nov. 1965. 41.8 G112
- 36764 QUIDET, J. P. Contribution à l'étude du cancer pulmonaire primitif chez les carnivores domestiques [Contribution to the study of primary lung cancer in domestic carnivores]. Alfort, Ecole Nat. Vet. These 46,67 p. Ref. 1966. 41.2 AL23
Dogs and cats.
- 36765 QUINLAN, W., and MICHAELSON, S. M. Iodine-131 uptake and protein-bound iodine in normal adult Beagles. *Amer. J. Vet. Res.* 28(122):179-182. Jan. 1967. 41.8 Am3A
- 36766 RATAUD, J. Contribution à l'étude de l'urographie descendante chez le chien [Contribution to the study of descending urography in the dog]. Alfort, Ecole Nat. Vet. These 34,46 p. Ref. 1966. 41.2 AL23
- 36767 REDEMANN, C. T., and others. Nutrient conserving agent: the excretion of N-(6-chlorophenyl)-glycine by the dog fed 2-chloro-6-(trichloromethyl) pyridine. *J. Agr. Food Chem.* 14(5):530-532. Sept./Oct. 1966. 381 J8223
E. A. Williams, H. W. Clark, and J. T. Kaku, joint authors.
Feed labeled with radioactive carbon and fed to a dog.
- 36768 RESNICK, S. Role of the lymph node in tissue repair in the dog. *Amer. J. Vet. Res.* 28(122):283-286. Ref. Jan. 1967. 41.8 Am3A
- 36769 ROBERTS, S. R. Three inherited ocular defects in the dog. *Mod. Vet. Pract.* 48(2):30-34. Feb. 1967. 41.8 N812
- 36770 SAWA, T. R., GAUTHIER, P., and KENYON, A. J. Canine mastocytoma: microheterogeneity of heparins. *Amer. J. Vet. Res.* 28(122):199-204. Ref. Jan. 1967. 41.8 Am3A
- 36771 SCHIFFO, H. P., and DIAZ, B. E. Multiple tumors in the dog; cancer of the bladder and adenoma of the parathyroid gland. (*Sp*) *Gac. Vet.* 28(188):111-114. Mar. 1966. 41.8 G112
- 36772 SCHWARTZ, W. L., and MARTIN, W. D. Canine herpesvirus infection of puppies. *Vet. Med./Small Anim. Clin.* 61(12):1171-1173. Dec. 1966. 41.8 M69
- 36773 SIEGEL, E. T. Urinary excretion of sex steroid catabolites in the dog. *Amer. J. Vet. Res.* 28(122):287-289. Ref. Jan. 1967. 41.8 Am3A
Radioactive progesterone, testosterone, and estradiol injected into the dog.
- 36774 SMALL, E. Differential diagnosis in canine pediatrics. *Mod. Vet. Pract.* 48(1):42-46. Jan. 1967. 41.8 N812
By the use of X-rays.
- 36775 SMYTH, J. D., and HOWKINS, A. B. An in vitro technique for the production of eggs of *Echinococcus granulosus* by maturation of partly developed strobila. *Parasitology* 56(4):763-766. Nov. 1966. 44.8 P21
Of dogs.
- 36776 SOMA, L. R., and KENNY, R. Respiratory, cardiovascular, metabolic, and electroencephalographic effects of doxapram hydrochloride in the dog. *Amer. J. Vet. Res.* 28(122):191-198. Ref. Jan. 1967. 41.8 Am3A
- 36777 SYMPOSIUM ON ALLERGIC AND ENDOCRINE DERMATOSES IN THE DOG AND CAT. [Persons.], I-III. *J. Small Anim. Pract.* 7(12):749-780. Ref. Dec. 1966. 41.8 J8292
Allergic dermatoses of the dog and cat, by C. S. Walton; Hormones and skin, by E. C. Amoroso and F. J. Ebling; Endocrine disorders and hair loss in the dog, by L. R. Thomsett.
- 36778 SZCZUDLOWSKA, M. Eye diseases and overfeeding. (*Pol*) *Med. Weter.* 22(10):590-592. Oct. 1966. 41.8 M463
English summary.
Studied chiefly on dogs.
- 36779 TEETER, S. M., and COLLINS, D. R. Intragastric intubation of small animals. *Vet. Med./Small Anim. Clin.* 61(11):1067-1076. Nov. 1966. 41.8 M69
Dogs and cats.
- 36780 TRADATI, F., and AGOSTI, M. Research on the composition of the secretion of sebaceous glands in healthy dogs and affected with dermatopathy. (*It*) *Veterinaria [Milano]* 15(3):171-173. May/June 1966. 41.8 V6499
- 36781 TREVINO, G. S. Canine blastomycosis with ocular involvement. *Pathol. Vet.* 3(6):652-658. Ref. 1966. 41.8 P27
- 36782 UBERREITER, O. The influence of pregnancy and apparent pregnancy on the occurrence of mammary tumors in bitches. (*Ge*) *Berliner Munchener Tierarztl. Wochenschr.* 79(23):451-456. Ref. Dec. 1, 1966. 41.8 B45
English summary.
- 36783 ZWILLENBERG, L. O., and BURKI, F. On the capsid structure of some small feline and bovine RNA viruses. *Arch. Gesamte Virusforsch.* 19(4):372-384. Ref. 1966. 44.8 3 Ar23

Miscellaneous

- 36784 STRINGER, W. L. Dog is a devoted friend, who deserves every care. *New Zeal. J. Agr.* 113(1):16-17. July 1966. 23 N48J

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 36785 BUS'KO, A. T. Effect of multiple pairing on fertility of minks. (*Rus*) *Nauch. Dok. Vyssh. Shkoly. Biol. Nauk.* 2:190-192. 1965. 44.2.8 N22

Feeds and Feeding

- 36786 AULERICH, R., and SCHAIBLE, P. J. Simple method of processing "spent" chickens for mink feed. *Amer. Fur Breeder* 40(1):15,46,48. Jan. 1967. 41.0 Am33
- 36787 GORHAM, J. Starvation in mink. *Nat. Fur News* 38(12):45. Jan. 1967. 41.2.628 R59
- 36788 LEOSCHKE, W. L. Vitamin B-6 deficiency, does it happen often? *Amer. Fur Breeder* 40(1):32,35. Jan. 1967. 41.0 Am33
Minks.

Veterinary Medicine

- 36789 GRAHAM, D. L., DUNLOP, R. H., and TRAVIS, H. F. Barbiturate anesthesia in ranch mink (*Mustela vison*). *Amer. J. Vet. Res.* 28(122):293-296. Jan. 1967. 41.8 Am3A
- 36790 HAENICHEN, T., BIBRACK, B., and SCHEFS, H. Focal purulent nephritis in chinchilla. (*Ge*) *Berliner Munchener Tierarztl. Wochenschr.* 79(18):356-358. Ref. Sept. 15, 1966. 41.8 B45
English summary.
- 36791 OYRZANOWSKA, J., and KITA, J. Investigation on the path of infection with Aujeszky's disease virus in fur-bearing animals. (*Pol*) *Med. Weter.* 22(10):579-581. Ref. Oct. 1966. 41.8 M463
English summary.
- 36792 PRIDHAM, T. J. No proof that DDT caused mink losses on Ontario ranches. *U. S. Fur Rancher* 45(6):3,6,23. July 1966. 41.2.629 Am3M
By feeding contaminated fish.
- 36793 PTAK, W. Histological pattern of skin structure in nutria (*Myocastor coypus* Mol.). I-II. (*Pol*) *Acta Agr. Silvestria. Ser. Zootech.* 6(1):33-91. Ref. 1966. 49 Ac8
English summary.
Includes hair composition.

- 36734 TAGI-ZADE, T. A., and BORISOVA, L. P. Leptosira carrier among Myocastor coypus Moll. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 8:146-147. Aug. 1966. 448.3 Z4
- 36735 THOROGOOD, H. R. The veterinary aspect of chinchilla ranching. III. Rhodesia Agr. J. 63 (4):72-74. July/Aug. 1966. 24 R34
Includes diseases.
- 36736 TRAUTWEIN, G., and KRUGER, A. A case of reticulosis in mink. (Ge) Pathol. Vet. 3(5): 486-491. 1966. 41.8 P27
English summary.

HORSES AND MULES

Breeds and Breeding

- 36737 AMMANN, E. Production tests for breeding stallions, spring 1966. (Ge) Grune 94(43): 1575-1581. Oct. 28, 1966. 17 Sch9
Switzerland.
- 36738 KOMAREK, R. J., and others. Composition of lipids in stallion semen. J. Reprod. Fertil. 10 (3):337-342. Ref. Dec. 1965. 442.8 R222
B. W. Pickett, E. W. Gibson, and R. N. Lanz, joint authors.
- 36739 SASIMOWSKI, E., and BUDZYNSKI, M. Measurement standards of horses of the Wielkopolski type on an example of material qualified for the first volume of the studbook. (Pol) Roczn. Nauk Roln. 86-B-1:117-131. Ref. 1965. 20.5 R59
English summary.
- 36800 SAVITT, S. America's horses. Garden City, New York, Doubleday, 1966. 93 p. SF291.S3
Breeds; includes history.
- 36801 SINGLETON, W. R., and BOND, Q. C. A allele necessary for dilute coat color in horses. J. Hered. 57(3):74-77. May/June 1966. 442.8 Am3
An Arabian mare bred with a Quarter Horse stallion.
- 36802 SKORKOWSKI, E. Morphological and physiological characters of the Masurian horse population. (Pol) Acta Agr. Silvestria. Ser. Zootech. 6(1):139-148. 1966. 49 Ac8
English summary.

Feeds and Feeding

- 36803 MARCENAC, N. Feeding of the Thoroughbred horse. (Fr) Rev. Elevage 21(10):91-92, 95-97. (Cont.) Oct. 1966. 49 B462
Veterinary Medicine
- 36804 AMERICAN ASSOCIATION OF EQUINE PRACTITIONERS. Program highlights. Mod. Vet. Pract. 48(1):34-39. Jan. 1967. 41.8 N812
Includes papers.
- 36805 BRION, A., FONTAINE, M., and MORAILLON, R. Rhinopneumonitis of the horse. (Fr) Rec. Med. Vet. 142(10):885-901. Ref. Oct. 1966. 41.8 R24
English summary.
- 36806 BRYANS, J. T., and others. Epizootologic features of disease caused by Myxovirus influenzae A equine. Amer. J. Vet. Res. 28(122): 9-17. Ref. Jan. 1967. 41.8 Am3A
E. R. Doll, J. C. Wilson, and W. W. Zent, joint authors.
- 36807 BRYANS, J. T., and others. 1-Adamantanamine hydrochloride prophylaxis for experimentally induced A/equine 2 influenza virus infection. Nature 212(5070):1542-1544. Dec. 31, 1966. 472 N21
-W. W. Zent, R. R. Grunert, and D. C. Broughton, joint authors.
- 36808 BURKI, F., and GERBER, H. A virologically certified large-scale outbreak of equine arteritis. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(20):391-395. Ref. Oct. 15, 1966. 41.8 B45
English summary.

- 36809 BURTON, A. N., MCLINTOCK, J., and REMPEL, J. G. Western equine encephalitis virus in Saskatchewan garter snakes and leopard frogs. Science 154(3752):1029-1031. Nov. 25, 1966. 470 Sc12
- 36810 CONWAY, D. A., and MCCANN, P. G. A teratoma of the undescended testicle in a horse. Irish Vet. J. (n.s.) 20(12):226-228. Dec. 1966. 41.8 Ir4
- 36811 DEORANI, V. P. S. Studies on pathological lesions due to Strongylus vulgaris infection in an Indian pony. Indian Vet. J. 43(10):865-867. Ref. Oct. 1966. 41.8 In2
- 36812 DUCOS, A. Les coliques du cheval: essai de traitement par un spasmolytique de synthese, la mebeverine [Colic in the horse: an attempt at treatment with a synthetic spasmolytic, mebeverine]. Alfort. Ecole Nat. Vet. These 12, 52 p. Ref. 1966. 41.2 AL23
- 36813 FISCHMAN, O., SANTIAGO, M., and RAMOS, C. D. Ringworm infection by Microsporon canis in a horse. Mycopathol. Mycol. Appl. 30 (3/4):273-275. Dec. 1, 1966. 450 M994
- 36814 FRASER, A. C. Restraint in the horse. Vet. Rec. 80(2):56-64. Jan. 14, 1967. 41.8 V641
Includes sedation.
Includes discussion.
- 36815 GOLDSMIT, L. Growth characteristics of six neurotropic and one viscerotropic African horses-sickness virus strains in fertilized eggs. Amer. J. Vet. Res. 28(122):19-24. Ref. Jan. 1967. 41.8 Am3A
- 36816 GRIES, C. L. Mechanisms of bone resorption in nutritional secondary hyperparathyroidism. Diss. Abstr., Sect. B, 27(5):1527B-1528B. Nov. 1966. Z5055.U49D53
In horses by means of high phosphorus-optimal calcium diets.
- 36817 GROSS, D. R. Apparent spontaneous recovery of a mare with a perforated or ruptured intestine. Vet. Med./Small Anim. Clin. 61(7):656. July 1966. 41.8 M69
- 36818 HEINZE, C. D. Equine orthopedic surgery. Mod. Vet. Pract. 47(12):63-69. Oct. 15, 1966. 41.8 N812
- 36819 LACOSTE, J. C. Contribution a l'etude telemetrique de l'electrocardiogramme du cheval de sport [Contribution to the study of the electrocardiogram telemetry of the race horse]. Alfort. Ecole Nat. Vet. These 66, 67 p. Ref. 1966. 41.2 AL23
- 36820 LANGER, P. H. Equine influenza: development of a new combination vaccine. Vet. Med./Small Anim. Clin. 61(7):662-668. July 1966. 41.8 M69
- 36821 MENEZ, P. Sur un syndrome paretique aigu des juments en Bretagne [On an acute paretic syndrome of mares in Brittany]. Alfort. Ecole Nat. Vet. These 13, 45 p. Ref. 1966. 41.2 AL23
Comparison with grass tetany.
- 36822 MILLER, R. M., KIND, R. E., and RICH, R. W. Congenital anomalies of the abdominal musculature and urogenital tract in a foal. Vet. Med./Small Anim. Clin. 61(7):652-655. July 1966. 41.8 M69
- 36823 PRADIP, I. S. Growth and chromogenesis of Corynebacterium equi and C. hoagii. Diss. Abstr., Sect. B, 27(5):1363B. Nov. 1966. Z5055.U49D53
- 36824 PUISSEGUR, J. A. Vesical spasm and its sphincter in the horse and its treatment. (Sp) Gac. Vet. 28(189):152-153. Apr. 1966. 41.8 G112
- 36825 PUSTIGLIONE NETTO, L. Equine stomatitis. (Por) Biologico 32(5):108. May 1966. 442.8 B529
Vesicular stomatitis.
- 36826 SAMUSHENOK, V. I., and KHEGAI, T. A. Method of obtaining defibrinated blood from mares convalescing from foot-and-mouth disease. (Rus) Veterinariya 9:91-92. Sept. 1966. 41.8 V6426

- 36827 SANDOR, G., and KORACH, S. A new protein chemical species of horse serum: a 7S globulin immunologically identical to IgM. (Fr) Inst. Pasteur, Ann. 111(5):7-27. Ref. Nov.1966. 448.3 An75
English summary.
- 36829 SIMPSON, J. G. A case of chromoblastomycosis in a horse. Vet. Med./Small Anim. Clin. 61(12):1207-1209. Dec.1966. 41.8 M69
- 36829 SMITH, A. P. Corrective shoeing for bowed tendons. Mod. Vet. Pract. 48(2):53. Feb.1967. 41.8 N812
- 36830 SMITH, J. M. B. An unusual dermatophyte from horses in New Zealand. Sabouraudia 5(2): 124-125. Oct.1966. 450 Sa8
Trichophyton equinum caused ringworm.
- 36831 TOBLER, E. E., and MILLER, D. E. A method for determining total and differential WBC counts of equine uterine fluid. Vet. Med./Small Anim. Clin. 61(11):1087-1091. Nov.1966. 41.8 M69
- 36832 TRITSCHLER, L. G., and MILES, D. An outbreak of myoglobinuria. Vet. Med./Small Anim. Clin. 61(7):649-651. July 1966. 41.8 M69
In horses.
- 36833 TRUJILLO, J. M., and others. Inheritance and sub-unit composition of haemoglobin in the horse, donkey and their hybrids. Nature 213 (5071):88-90. Ref. Jan.7,1967. 472 N21
B. Walden, P. O'Neill, and H. B. Anstall, joint authors.

Miscellaneous

- 36834 PONCINS, J. DE. For the production of foals for meat. (Fr) Agriculture [Paris] 29(294): 349-351. Nov.1966. 14 Ag823
Includes care, in France.

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 36835 DOMINIC, C. J. The origin of the phenomones causing pregnancy block in mice. J. Reprod. Fertil. 10(3):469-472. Dec.1965. 442.8 J8222

Feeds and Feeding

- 36836 BOND, J. S. Studies of cathepsins in relation to vitamin E-deficiency in guinea pigs. Diss. Abstr., Sect. B, 27(5):1598B. Nov.1966. Z5055.U49D53
- 36837 BOZA, J. Influence of light and sex on the digestibility and efficiency coefficient in rat growth. (Sp) An. Bromatol. 18(2/3):111-148. Ref. 1966. 389.8 An1
English summary.
- 36838 MERTZ, E. T. Growth of rats on opaque-2 maize. High Lysine Corn Conf. Proc. 1966: 12-18. QK866.M3H5
Study of nutritive value of high lysine content. Discussion, p.26-29.
- 36839 TKU, J. L., and RAZDAN, M. N. Oestrogenic activity of some common fodders—a preliminary study. Indian J. Dairy Sci. 19(1):48-51. Ref. Mar.1966. 44.8 In25
Experiments with mice.
- 36840 VARELA, G., and VIDAL, C. Digestive stress with sudden change of protein type in the diet. (Sp) An. Bromatol. 18(2/3):237-293. 1966. 389.8 An1
English summary.
Bibliography, p.288-293.
Tests with rats.
- 36841 WEBER, C. W. Fluoride in the nutrition and metabolism of experimental animals. Diss. Abstr., Sect. B, 27(5):1404B. Nov.1966. Z5055.U49D53
Mice and chicks.

Veterinary Medicine

- 36842 CALDWELL, B. V., PAWLING, R. S., and WRIGHT, P. A. Reestablishment of ovarian periodicity after transplantation to the Syrian hamster cheek pouch. Soc. Exp. Biol. Med. Proc. 123(2):551-553. Nov.1966. 442.9 S61
- 36843 CHAJKOWSKI, M., and MATRAS, J. The use of fluorescent antibodies in the diagnosis of anthrax infection. (Pol) Med. Veter. 22(10):581-584. Ref. Oct.1966. 41.8 M463
English summary.
Studied on mice.
- 36844 DEANESLY, R. Pro-oestrus in the guinea-pig: hormonal stimulation of the vaginal epithelium. J. Reprod. Fertil. 12(1):205-212. Ref. Aug.1966. 442.8 J8222
- 36845 DENHAM, D. A. Immunity to Trichinella spiralis. II. Immunity produced by the adult worm in mice. Parasitology 56(4):745-751. Ref. Nov.1966. 448.8 P21
- 36846 DRUM, F. L. Relationships of Trichuris muris and Trichuris vulpis to the host tissue. Diss. Abstr., Sect. B, 27(5):1652B-1653B. Nov. 1966. Z5055.U49D53
Whipworms of mice and dogs.
- 36847 FAVATI, V. Experimental infection with Ascaris suum eggs in guinea pigs. Influence of treatment with prednisolone and betamethasone on larval growth and migration. (It) Pisa. Univ. Stud. Fac. Med. Vet. Ann. 18:70-84. Ref. 1965,pub.1966. 41.9 P67
English summary.
- 36848 FEDINEC, A. A. Studies on the mode of the spread of tetanus toxin in experimental animals. In Raudonat, H. W., and Vaneeck, J., ed. Recent advances in the pharmacology of toxins, v.9,p.125-138. Ref. QP941.R3
- 36849 GEAR, J. H. S., DAVIS, D. H. S., and PITCHFORD, R. J. The susceptibility of rodents to schistosoma infection, with special reference to Schistosoma haematobium. World Health Organ. Bull. 35(2):213-221. 1966. 449.9 W892B
In laboratory animals.
- 36850 GILMOUR, N. J. L. Studies on the effect of the rimino phenazine B663 (G. 30320) on Mycobacterium johnel. Brit. Vet. J. 122(12):517-521. Dec.1966. 41.8 V643
-In mice and sheep, in Great Britain.
- 36851 GWATKIN, R. B. L. Amino acid requirements for attachment and outgrowth of the mouse blastocyst in vitro. J. Cell. Physiol. 68(3):335-343. Ref. Dec.1966. 444.8 J822
- 36852 HLOZANEK, I., DONNER, L., and SVOBODA, J. Malignant transformation in vitro of Chinese hamster embryonic fibroblasts with the Schmidt-Ruppin strain of Rous sarcoma virus and karyological analysis of this process. J. Cell. Physiol. 68(3):221-235. Ref. Dec.1966. 444.8 J822
- 36853 INO, T. Key points in the use of laboratory animals in medical and veterinary research. (Ja) Jap. Vet. Med. Ass. J. 19(8):315-319. Ref. Aug.1966. 41.9 J275
- 36854 ISHIBASHI, T., and others. Effect of pineal-ectomy and melatonin on feed consumption and thyroid hormone secretion rate. Soc. Exp. Biol. Med. Proc. 122(3):644-647. July 1966. 442.9 S61
D. W. Hahn, L. Srivastava, P. Kumaresan, and C. W. Turner, joint authors.
Rats.
- 36855 KAMYSZEK, F. Mycodermin in the treatment of fungus diseases in guinea-pigs. (Pol) Med. Veter. 22(11):683-685. Nov.1966. 41.8 M463
English summary.
Trichophyton infections.
- 36856 KASSAI, T., FITZPATRICK, B., and MULLIGAN, W. Variables in the radiation-attenuation of helminth larvae, the effect of differences in quality of radiation. Parasitology 56 (4):651-656. Nov.1966. 448.8 P21
On Nippostrongylus brasiliensis in rats.

- 36857 KINOSHITA, F. K., FRAWLEY, J. P., and DU-BOIS, K. P. Quantitative measurement of induction of hepatic microsomal enzymes by various dietary levels of DDT and toxaphene in rats. *Toxicol. Appl. Pharmacol.* 9(3):505-513. Nov. 1966. 391.8 T662
- 36858 KIRACOFÉ, G. H., and SPIES, H. G. Effect of parabiosis or uterine extracts on pseudopregnancy in hysterectomized rats. *J. Reprod. Fertil.* 12(1):217-219. Aug. 1966. 442.8 J6222
- 36859 KIRBY, D. R. S. A small animal operating board with magnetically attached fasteners and retractors. *J. Reprod. Fertil.* 10(3):467-468. Dec. 1965. 442.8 J6222
- 36860 KUMARESAN, P., ANDERSON, R. R., and TURNER, C. W. Effect of graded levels of lactogenic hormone upon mammary gland growth and lactation in rats. *Soc. Exp. Biol. Med. Proc.* 123(2):581-584. Ref. Nov. 1966. 442.9 S01
- 36861 MAEJIMA, K., MAEJIMA, F., and TAJIMA, Y. Enteric bacteria-free mice. *Jap. J. Exp. Med.* 36(5):543-549. Ref. Oct. 1966. 448.8 J272
- 36862 MCDANIEL, J. W., DUBY, R. T., and BLACK, D. L. Influence of multiple anterior pituitary allografts on the oestrous cycle of the Syrian hamster. *Nature* 213(5072):195-198. Ref. Jan. 14, 1967. 472 N21
- 36863 MILLER, N. G., and WILSON, R. B. Electron microscopic study of the relationship of Leptospira pomona to the renal tubules of the hamster during acute and chronic leptospirosis. *Amer. J. Vet. Res.* 28(122):225-235. Ref. Jan. 1967. 41.8 Am3A
- 36864 SAMUEL, I., and others. The action of deoxyribonucleic acid (DNA) extracted from a tumor produced by AE2 [adenocarcinoma-Ehrlich] virus in the Golden hamster. *Rev. Roumaine Inframicrobiol.* 2(2):141-148. Ref. 1965. 448.3 R323
- 36865 SARATEANU, D., SURDAN, C., and SORODOC, G. Investigations on active antinotriosis immunization. *Rev. Roumaine Inframicrobiol.* 2(2):149-159. Ref. 1965. 448.3 R323
- 36866 SHANK, R. C., and WOGAN, G. N. Acute effects of aflatoxin B₁ on liver composition and metabolism in the rat and duckling. *Toxicol. Appl. Pharmacol.* 9(3):468-476. Ref. Nov. 1966. 391.8 T662
- 36867 SMITH, C. D., and others. A comparison of the relative susceptibilities of laboratory animals to infection with the mycelial phase of *Blastomyces dermatitidis*. *Sabouraudia* 5(2):126-131. Ref. Oct. 1966. 450 S48
- 36868 SYMPOSIUM ON THE IMPLICATIONS OF THE RISING IMPORTANCE OF LABORATORY ANIMALS FOR THE VETERINARY PROFESSION. (Papers.) I-III. *Vet. Rec.* 79(27):864-886. Ref. Dec. 31, 1966. 41.8 V641
- 36869 TAKAGAKI, Y., and others. Experimental Tyzzer's disease in different species of laboratory animals. *Jap. J. Exp. Med.* 36(5):519-534. Ref. Oct. 1966. 448.8 J272
- 36870 WILLIAMS, C. H., and JACOBSON, K. H. An acylamidase in mammalian liver hydrolyzing the herbicide 3,4-dichloropropionanilide. *Toxicol. Appl. Pharmacol.* 9(3):495-500. Nov. 1966. 391.8 T662
- 36871 Tested on rats.

POULTRY

Breeds and Breeding

- 36872 ALMINE, M. Evolving of specialized chicken strains and their peculiarities. *World's Poultry Congr. Proc.*, 13th Congr.:84-85. 1966. SF481.W6
- 36873 Includes linebreeding and crossbreeding of White Leghorn, New Hampshire and Australorp breeds.
- 36874 ASH, W. J. Micromelia—a lethal mutation in white Pekin ducks. *J. Hered.* 57(4):137-141. July/Aug. 1966. 442.8 Am3
- 36875 BAYER, B. Our new export-item "slaughter pigeon."¹ (Hu) Baromfitenyesztes 10(10):19. Oct. 1966. 47.8 B262
- 36876 BESSELIEVRE, J. Poules naines et coqs nains [Bantam chickens and cocks]. Paris, Flammarion, 1966. 188 p. (La Terre) SF489.A1B4
- 36877 Chiefly standards for the breeds.
- 36878 BIELINSKI, K., and SLABON, W. Evaluation of White Italian geese's ability for production of fatty livers. (Pol) Poznan. Cent. Lab. Przemyslu Jajczarsko-Drobiarskiego. *Biul. Inform.* 7(2):70-76. June 1965. 47.9 P87
- 36879 English summary.
- 36880 BOGRE, J. Goose breeding in Yugoslavia. (Hu) Baromfitenyesztes 10(7):10-11. July 1966. 47.8 B262
- 36881 BUSS, E. G. Is natural mating out of style? *Poultry Meat* 3(10):A51-A54. Oct. 1966. 47.8 P8656
- 36882 Turkeys.
- 36883 CALOTOU, E., and MARANDICI, A. Production of poultry for meat production by commercial hybridization of Cornish poultry breed with the Plymouth one. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 23:439-448. 1966. 49.9 R86L
- 36884 English summary.
- 36885 ERDEI, M. The effect of the weight of eggs on the indices of incubation of the Leghorn, Rhode Island and Bontida silver type. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 23:387-398. 1966. 49.9 R86L
- 36886 English summary.
- 36887 ERICKSON, C. J. A study of the courtship behavior of male ring doves and its relationship to ovarian activity of females. *Diss. Abstr.*, Sect. B, 27(1):329B-330B. July 1966. Z5055.U49D53
- 36888 FONSECA, M. Reproduction care for turkeys. (Sp) *Avicult. Tec.* 17(4):193-194. Apr. 1966. 47.8 Av57
- 36889 FRACANZANI, C. L. Production of pigeons for meat. (It) *Riv. Zootec.* 39(10):536-540. Oct. 1966. 49 R52
- 36890 Includes various breeds.
- 36891 FRANCIS, P. R. Zambia develops strong breeding industry. *Poultry Internat.* 6(1):52, 54, map. Jan. 1967. 47.8 P8698
- 36892 GIBSON, W. R., and NALBANDOV, A. V. Lipid mobilization in obese hypophysectomized cockerels. *Amer. J. Physiol.* 211(6):1345-1351. Ref. Dec. 1966. 447.8 Am3
- 36893 GIBSON, W. R., and NALBANDOV, A. V. Lipolysis and lipogenesis in liver and adipose tissue of hypophysectomized cockerels. *Amer. J. Physiol.* 211(6):1352-1356. Ref. Dec. 1966. 447.8 Am3
- 36894 GOLOVACHEV, G. D. Data on the analysis of inheritance of motor neuron fiber excitability. (Rus) *Issled. po Genetike* 2:3-7. 1964. Not in Libr.
- 36895 In Leghorn and Australorp poultry. Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 58, *Zhivotnovod. Vet.* 15:15. Aug. 1965. Film S-205
- 36896 GOZZI, W. B., and others. Breeder previews for 1967. *Poultry Meat* 3(10):A16, A18-A20, A22, A24, A26. Oct. 1966. 47.8 P8656
- 36897 Turkeys.

- 36889 GRUEV, V., TSONKOV, TS., and NOZHICHEV, S. Study of correlation between laying age and some other properties of Stara Zagora Red breed. (Bu) Vissch Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):383-390. Ref. 1965. 106.3 P72
German summary.
Chiefly weight.
- 36890 IMAMURA, F., SEKIDERA, S., and KIMURA, T., ed. Shin yokei koza [New lectures on poultry breeding] Vol. 1. Tokyo, Asakura Shoten, 1965. 187 p. SF488.J314
- 36891 KOMISARUK, B. R. Localization in brain of reproductive behavior responses to prostere-one in ring doves. Diss. Abstr., Sect. B, 27(1): 293B-294B. July 1966. Z5055.U49D53
- 36892 KOPLIK, MRS. K. E. Investigation on the artificial insemination of geese. (Hu) Allatteny-szes 15(4):375-383. Dec. 1966. 49 AL57
English summary.
- 36893 KOPLIK, MRS. K. E. Turkey breeding experi-ences in France. (Hu) Baromifitenyesztes 10(5):12-14. May 1966. 47.8 B262
Includes rearing.
- 36894 KORPA, K. Situation in our stock turkey breeding. (Hu) Baromifitenyesztes 10(8):15. Aug. 1966. 47.8 B262
- 36895 MERCIER, C., and others. Effect of corn sub-mitted to treatment on the starch degradation in the crop of the cock. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(25):2033-2036. Dec. 19, 1966. 505 P21
O. Ivorec-Szyllit, A. Guilbot, and C. Calet, joint authors.
- 36896 MILLAR, P. G., and GARWOOD, F. E. Semen extenders catch on in Britain. Poultry Meat 3(6):A32-A33. June 1966. 47.8 P8656
Dilution, in turkey breeding.
- 36897 PERKES, J. Number please? Farmers' J. (n.s.) 5(4):51. Nov. 1, 1965. 10 F2234
Poultry breeding in Northern Ireland.
- 36898 PERKINS, R. A trip to California and Colorado to observe the West's Large White turkeys. (It) G. Pollicoltori 15(11):27-34. Nov. 1965. 47.8 G43
- 36899 PETOHAZI, G. Performances of broiler and layer hybrids in Godollo. (Hu) Baromifiteny-szes 10(11):6-7. Nov. 1966. 47.8 B262
- 36900 PETROV, N. Egg production of Black Shumen poultry and their hybrids. (Bu) Vissch Selsko-stopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):375-382. 1965. 106.3 P72
German summary.
- 36901 POP, M., PARASCHIVESCU, M., and MARAN-DICI, A. Application of the artificial insemina-tion in the breeding of poultry. (Rum) Bucha-rest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:499-507. 1966. 49.9 R86L
English summary.
- 36902 PORA, A. E., and others. Physiological in-dices of the blood of the poultry Bonitida silver type compared with those of its parents. (Rum) Bucharest. Inst. Cercet. Zootec. Lu-crarle Stiint. 23:399-410. 1966. 49.9 R86L
D. I. Rosca, D. Rusdea-Suteu, F. Stoicovici, N. Fabian, I. Oros, V. Toma, C. Wittenberger, M. Pop, Z. Kiss, I. Madar, and G. Diacine, joint authors.
English summary.
- 36903 RAMIREZ MEDINA, A. Programming of biomathematical techniques for genetical im-provement in poultry by the electronic com-puter IBM 1620. (Sp) Arch. Zootec. 15(59):230-321. Ref. July/Sept. 1966. 49 Ar22
English summary.
- 36904 ROUVIER, R. The analysis of principal com-ponents: its utilization in genetics and its re-lations with discrimination analysis. (Fr) Biometrics 22(2):343-357. June 1966. 442.8 B5224
English summary.
Includes poultry.
- 36905 SCOTT, M. L. Toms lead in '65 growth rate, feed conversion. Poultry Meat 3(1):T70,T74, T76,T78,T80. Jan. 1966. 47.8 P8656
- 36906 SCROGGINS, G. How to schedule egg supply. Poultry Meat 3(10):A32,A34. Oct. 1966. 47.8 P8656
Turkeys, effects of breeding.
- 36907 SMITH, A. H., OGASAWARA, F. X., and WIN-GET, C. M. Independent influence of chronic hypoxia and sexual development upon circulat-ing erythrocyte concentration in male chick-ens. Soc. Exp. Biol. Med. Proc. 122(4):1085-1088. Ref. Aug./Sept. 1966. 442.9 S01
- 36908 TEKLIŃSKA, M. Disturbances in poultry fer-tility. (Pol) Drobniarstwo 13(12):13-14. Dec. 1965. 47.8 P953
- 36909 VANCHEV, T. G. Study on quality of eggs from the New Hampshire and Sussex utility breeds. World's Poultry Congr. Proc., 13th Congr.:565-567. 1966. SF481.W6
- 36910 VARADARAJULU, P. Effect of sex, strain and season on the body weight of chicks. Indian Vet. J. 43(10):897-902. Ref. Oct. 1966. 41.8 In2
Of White Leghorn.

Feeds and Feeding

- 36911 AGHINA, C. Nutrition program for egg-pro-ducting hens and the recording of the conversion index. (It) G. Pollicoltori 15(9):52-54, 56. Sept. 1965. 47.8 G43
- 36912 ANGELO, G. D'. Fishmeal for poultry and tur-keys. (It) Avicoltura 35(1):71-73. Jan. 1966. 47.8 R523
French summary, p. 67.
- 36913 AUSTIC, R. E., GRAU, C. R., and MATTESON, G. C. Requirements for glucose and amino acids in defined media for chick embryos. J. Nutr. 90(2):175-182. Oct. 1966. 389.8 J82
Studies of survival.
- 36914 BALLOUN, S. L. You can sharpen up on poult nutrition. Poultry Meat 3(3):A16,A54-A55. Mar. 1966. 47.8 P8656
- 36915 BINI, R. P. Rations for poultry without fish flour. (It) Riv. Zootec. 39(10):510-518. Oct. 1966. 49 R52
- 36916 BRAGG, D. B. Factors affecting the transfer of calcium from the hen's diet to the egg shell. Diss. Abstr., Sect. E, 27(5):1342B-1343B. Nov. 1966. Z5055.U49D53
- 36917 CARDINALI, M. Algae and feeding. (It) Avi-coltura 35(1):85-88. Jan. 1966. 47.8 R523
French summary, p. 68.
- 36918 CARLSON, C. W. A fresh look at protein re-quirements. Poultry Meat 3(11):A58-A59. Nov. 1966. 47.8 P8656
Turkeys.
- 36919 DEDECKOVA, H., and ABRAHAMOVA. Linear programming in the composition of feed con-centrates for the egg laying poultry. (Cz) Prague. Vyskoe Sk. Zemedel. Sb. 1966:73-87. 19.5 P883
German summary.
- 36920 DIFFIDENTI, G. A. K.O. the scratching about chicken. (It) Avicoltura 35(1):89-91. Jan. 1966. 47.8 R523
French summary, p. 68.
Modern care by proper feeding.
- 36921 DVINSKAYA, L. M., and GAZDAROV, V. M. How to provide poultry with vitamin A. (Rus) Khim. Sel'skom Khoz. 4(10):53-56. Oct. 1966. 385 K524
Use of ethoxyquin as feed supplement.
- 36922 ERDEL, M. The effect of rations with different levels of proteins on the production of poultry. (Rum) Bucharest. Inst. Cercet. Zootec. Lucra-rile Stiint. 24:421-440. Ref. 1966. 49.9 R86L
English summary.
Egg and meat production.
- 36923 ERDEL, M. The effect of rations with proteins of different origin on the production of poultry. (Rum) Bucharest. Inst. Cercet. Zootec. Lucra-rile Stiint. 24:441-457. 1966. 49.9 R86L
English summary.
Includes egg production and weight.

- 36324 FROLICH, A. Some requirements for poultry feed mixtures. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1965:45-52. 11 Sw34
- 36325 GONDOS, M., and others. The effect of some essential synthetic amino acids on the production of poultry. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:397-419. Ref. 1966. 49.9 R86L
E. Palamaru, M. Sirbu, I. Saghin, M. Erdei, J. Stavri, and V. Maxim, joint authors.
English summary.
Effect of L-lysine and DL-methionine on the egg and meat production.
- 36326 GONDOS, M., and others. The effect of some stimulants administered in the feed for chicks. (Rus) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:449-466. 1966. 49.9 R86L
E. Palamaru, M. Sirbu, S. Nicoliciu, and V. Maxim, joint authors.
English summary.
Gains from vitamins and antibiotics.
- 36327 GONDOS, M., and others. The effect of stimulants in the nutrition of poultry for egg production. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:363-370. 1966. 49.9 R86L
E. Palamaru, I. Saghin, M. Sirbu, and V. Maxim, joint authors.
English summary.
Vitamins and antibiotics added to feed.
- 36328 GONDOS, M., and others. Utilization of wheat waste in the nutrition of poultry. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:371-386. Ref. 1966. 49.9 R86L
M. Sirbu, I. Saghin, F. Saghin, C. Petrescu, E. Calotiu, and V. Maxim, joint authors.
English summary.
- 36329 HOWES, J. R., and BEANE, W. L. The nutrition of pheasants, bobwhite and coturnix quail. Feedstuffs 38(50):18-20, 22. Dec.17,1966. 286.81 F322
Review of the literature.
- 36330 KOBAYASHI, K., NAGATOMI, T., and IWATA, H. Nutritional effect of lysine supplementation. 1. (Ja) Jap. Soc. Food Nutr. J. 18(6): 426-429. Ref. Mar.1966. 389.9 J27
English summary.
Chick feeding.
- 36331 LANGE, E., and RIZZI, S. Traditional and rational feeding of pheasants. (It) Riv. Zootec. 39(11):578-592. Ref. Nov.1966. 49 R52
French and German summaries.
Response of breeders to different feeding; includes formulas.
- 36332 LIPINSKA, H. Silage as feed. (Pol) Drobniarstwo 13(12):5. Dec.1965. 47.8 P953
Winter feed for laying hens.
- 36333 MAKNEV, K., and PETROV, N. Chickpeas as protein feed for chicks. (Bu) Viss Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1): 391-397. 1965. 106.3 P72
German summary.
Effect on growth.
- 36334 MARANDICI, A., and CALOTIU, E. The effect of fat and protein supplements in the rations on the fattening of the Bronze Broad Breasted turkey breed. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:459-469. 1966. 49.9 R86L
English summary.
- 36335 MARSH, G. A. How to prevent poult starveouts. Poultry Meat 3(1):T18-T20. Jan.1966. 47.8 P856
Causing mortality.
- 36336 MILLER, D. L. Nutritional and physiological effects of folacin deficiency in turkey breeder hens. Diss. Abstr., Sect. B, 27(1):10B-11B. July 1966. Z5055.U49D53
- 36337 MUKHERJEE, R., PAL, K. K., and SAXENA, V. P. An investigation on the determination of the optimum level of berseem leaf meal supplementation in the ration of growing chickens. Indian Vet. J. 43(10):902-907. Oct.1966. 41.8 In2
--
- 36338 PERDOMO, J. T., HARMS, R. H., and AR-RINGTON, L. R. Effect of dietary iodine upon egg production, fertility and hatchability. Soc. Exp. Biol. Med. Proc. 122(3):758-760. July 1966. 442.9 S01
- 36339 PEROTTI, A. Xanthophyll integrated for broilers and layers. (It) Avicoltura 35(1):75-79. Jan.1966. 47.8 R523
French summary, p.67.
- 36340 QURESHI, M. S., and SCHNEIDER, B. H. Level of rice bran in baby chicks ration. West Pakistan J. Agr. Res. 3(4):201-206. Ref. Dec. 1965. 22 W52
- 36341 RACHAPAETAYAKOM, P. Development and evaluation of essential amino acid mixtures in broiler and layer rations formulated manually or by linear programming. Diss. Abstr., Sect. B, 27(1):12B-13B. July 1966. Z5055.U49D53
- 36342 RAICU, E. The effect of rations with different calories and proteins ratio on the growth and the quality of carcasses of poultry for meat production. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:471-483. Ref. 1966. 49.9 R86L
English summary.
- 36343 RENNER, P. A. Early feeding reduces poult starveouts. Poultry Meat 3(4):A51. Apr.1966. 47.8 P856
- 36344 ROGNER, J. C. A comparison of opaque-2 and normal corn for the chick. High Lysine Corn Conf. Proc. 1966:23-25. QK866.M3H5
Discussion, p.26-29.
- 36345 SINGSEN, E. How should you restrict heavy breeders? Poultry Meat 3(4):26,28,30. Apr. 1966. 47.8 P856
Feeding.
- 36346 SOLUN, A. S., and NGI, N. Increasing the efficiency of vegetable feed rations in raising chicks. World's Poultry Congr. Proc., 13th Congr.:174-176. 1966. SF481.W6
- 36347 STEFANESCU, M., MARTINA, C., and VIZITU, V. Early fattening of poults. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:467-482. 1966. 49.9 R86L
English summary.
- 36348 STEMPE, A. R. The effect of ration and cooking treatment on the retention of chlorinated insecticides in edible chicken tissue. Diss. Abstr., Sect. B, 27(1):204B-205B. July 1966. Z5055.U49D53
- 36349 TAMIMIE, H. S. Quantitative and periodic restriction of feed and its relationship to the feeding of chicks a 2% L-phenylalanine supplemented diet. Life Sci. 5(16):1447-1457. Ref. Aug.1966. 442.8 L62
- 36350 THOMAS, O. P. New approaches for expressing amino acid requirements for chicks and laying hens. Feedstuffs 39(1):19. Jan.7, 1967. 286.81 F322
- 36351 THUMIM, A., and PASTERNAK, H. Linear programming of least-cost rations for a centrally planned poultry industry of a country. World's Poultry Congr. Proc., 13th Congr.: 604-610. Ref. 1966. SF481.W6
- 36352 TIPTON, H. C. A study of the utilization of methionine by the chick. Diss. Abstr., Sect. B, 27(5):1345B-1346B. Nov.1966. Z5055.U49D53
- 36353 TONKINSON, L. V. Predicting nutrient intake and production responses of laying hens. Diss. Abstr., Sect. B, 27(1):14B. July 1966. Z5055.U49D53
- 36354 UGO, I. Nutrition program for meat poultry and the recording of the conversion index. (It) G. Pollicoltori 15(9):59-61,64-65. Sept.1965. 47.8 G43
- 36355 UZIEBLO, L. Effect of temperature on feed utilization by laying hens. (Pol) Drobniarstwo 13(12):4-5. Dec.1965. 47.8 P953
- 36356 WAIBEL, P. What's new in breeder feeds? Poultry Meat 3(1):T96. Jan.1966. 47.8 P856
Turkeys.
- 36357 WEINDEL, R. L. A new health protection feeding program for layers. Agway Coop. 3(1):8-9. Jan./Feb.1967. 280.28 Ag9
Drugs mixed in feed.

- 36958 WEISS, J. F. Studies on the effect of dietary factors and drugs on cholesterol metabolism in the hen. *Diss. Abstr.*, Sect. B, 27(5):1404B. Nov.1966. Z5055.U49D53
Veterinary Medicine
- 36959 ADEMOSUN, A. A., and NIKOLAICZUK, N. Calcium and phosphorus metabolism in the laying hen. *World's Poultry Congr. Proc.*, 13th Congr.:320-323. Ref. 1966. SF481.W6
- 36960 AHMAD, M., and MAJEED, M. A. Some observations on the treatment of Ranikhet disease. *West Pakistan J. Agr. Res.* 3(4):193-200. Ref. Dec.1965. 22 W52
- 36961 AINSON, H. Sugar content in blood and lymph of poultry and its dependence on the age, sex and breed. (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4:485-488. Ref. 1965. 442.9 AK18
English summary.
- 36962 ANSARI, M. N. A., and others. Turnover rate and distribution pattern of radiostromium in the skeleton of the laying hen. *Soc. Exp. Biol. Med. Proc.* 123(2):609-612. Nov.1966. 442.9 S01
C. R. Creger, L. B. Colvin, W. S. Allen, and J. R. Couch, joint authors.
- 36963 ASHMORE, C. R., and SOMES, R. G. Delay of hereditary muscular dystrophy of the chicken by oxygen therapy. *Soc. Exp. Biol. Med. Proc.* 122(4):1100-1103. Ref. Aug./Sept.1966. 442.9 S01
- 36964 ASHMORE, C. R., SOMES, R. G., and VASINGTON, F. D. Relative distributions of myoglobin derivatives in breast muscle of chickens with hereditary muscular dystrophy. *Soc. Exp. Biol. Med. Proc.* 122(4):1104-1107. Ref. Aug./Sept.1966. 442.9 S01
- 36965 BALLARINI, G. Observations and remarks on the use of micromethod in the determination of total erythrocyte volume in birds. (It) *Veterinaria (Milano)* 15(2):98-105. Ref. Mar./Apr. 1966. 41.8 V6499
English summary.
- 36966 BALNAVE, D. Effect of gonadal hormones and biotin deficiency on growth and lipid composition of liver and tissue in the immature female chick. *World's Poultry Congr. Proc.*, 13th Congr.:213-218. Ref. 1966. SF481.W6
Hormones were estradiol and testosterone.
- 36967 BARABAS, I. Results of fowl cholera control measures in state farms. (Hu) *Baromifenyesztes* 10(9):8-9. Sept.1966. 47.8 B262
- 36968 BARON, R. R. Blackhead can be controlled. *Poultry Meat* 3(6):A52-A53. June 1966. 47.8 P8656
In turkeys.
- 36969 BAUMAN, V. K. Role of blood serum phosphoprotein of laying hens in egg shell formation. *World's Poultry Congr. Proc.*, 13th Congr.:324-327. Ref. 1966. SF481.W6
- 36970 BECKMAN, J. R. Wild birds and animals can be carriers of poultry disease. *Poultry Trib.* 73(1):33,84. Jan.1967. 47.8 P8642
Rodents and free-flying birds.
- 36971 BERGDOLL, J. F. More problems with mold. *Poultry Meat* 3(3):A14,A28. Mar.1966. 47.8 P8656
Chiefly with turkeys from feed and unsanitary housing; includes prevention.
- 36972 BESCH, E. L. Respiratory activity of avian blood cells. *J. Cell. Physiol.* 67(2):301-306. Ref. Apr.1966. 444.8 J822
- 36973 BIELINSKI, K. Relationship between the size of geese and the weight of their livers. (Pol) *Drobiastwo* 13(12):12-13. Dec.1965. 47.8 P953
- 36974 BIRD, D. W., SAVAGE, J. E., and O'DELL, B. L. Effect of copper deficiency and inhibitors on the amine oxidase activity of chick tissues. *Soc. Exp. Biol. Med. Proc.* 123(1):250-254. Ref. Oct.1966. 442.9 S01
Beta-aminopropionitrile as the inhibitor.
- 36975 BOCH, J., and others. Experimental Toxoplasma infection of laying hens. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(18):352-356. Ref. Sept.15,1966. 41.8 B45
M. Rommel, G. Weiland, K. Janitschke, and R. Sommer, joint authors.
English summary.
- 36976 BOYADZHEV, S., and STOILOVA, N. Effect of the quantity of antigen and the number of injections on immunogenesis in fowl, affected with the Newcastle disease. (Bu) *Vet. Med. Nauk.* 3(7):779-784. Ref. 1966. 41.8 V6468
English summary.
- 36977 BRATANOV, V. Combined application of piperazine and hexachlorophene against ascariasis and railletiniasis in fowl. (Bu) *Vet. Med. Nauk.* 3(8):841-845. 1966. 41.8 V6468
English summary.
- 36978 CARNAGHAN, R. B. A., and others. Biochemical and pathological aspects of groundnut poisoning in chickens. *Pathol. Vet.* 3(6):601-615. Ref. 1966. 41.8 P27
G. Lewis, D. S. P. Patterson, and R. Allcroft, joint authors.
- 36979 CHALLEY, J. R. Changes in adrenal constituents and their relationship to corticosterone secretion in chickens selected for genetic resistance and susceptibility to cecal coccidiosis. *J. Parasitol.* 52(5):967-974. Ref. Oct.1966. 448.8 J824
Infected with *Elmeria tenella*.
- 36980 COHEN, J. Feathers and patterns. *Advance. Morphogenesis* 5:1-38. Ref. 1966. 450 A49
Review of the literature.
- 36981 COLVIN, L. B., and others. Effects of hydrobiotics on Sr⁹⁰ absorption and deposition in chicks. *Soc. Exp. Biol. Med. Proc.* 122(4):1262-1264. Aug./Sept.1966. 442.9 S01
C. R. Creger, J. R. Couch, and M. N. A. Ansari, joint authors.
- 36982 COLVIN, L. B., and others. A simplified method for separation of urine and feces in the immature fowl. *Soc. Exp. Biol. Med. Proc.* 123(2):415-417. Nov.1966. 442.9 S01
C. R. Creger, J. R. Couch, T. M. Ferguson, and M. N. A. Ansari, joint authors.
- 36983 CROMPTON, D. W. T. Measurements of glucose and amino acid concentrations, temperature and pH in the habitat of *Polymorphus minus* (Acanthocephala) in the intestine of domestic ducks. *J. Exp. Biol.* 45(2):279-284. Ref. Oct.1966. 442.8 B77
- 36984 DELFORGE, J. P., and SCHIPPERS, M. Enzymatic activity in the outline of two female gonads of *Gallus domesticus* during the ontogenesis and after hatching. (Fr) *Acta Anat.* 61(3):355-378. Ref. 1965. 444.8 Ac82
English summary.
- 36985 DRAPER, M. H. The transport of minerals to the white of the hen's egg. *World's Poultry Congr. Proc.*, 13th Congr.:333-336. 1966. SF481.W6
In eggs for hatching.
- 36986 DUTTA, S. K., and POMEROY, B. S. Electron microscopic studies of quail bronchitis virus. *Amer. J. Vet. Res.* 28(122):296-299. Jan.1967. 41.8 M3A
- 36987 DZIEKONSKI, J. Encephalomalacia of chicken evoked through vitamin E deficiency. (Pol) *Med. Weter.* 22(10):596-599. Oct.1966. 41.8 M463
English summary.
- 36988 EDGAR, S. A. Don't live with barebacks. *Poultry Meat* 3(9):94. Sept.1966. 47.8 P8656
Deficiency in feathering.
- 36989 ELAM, F. L. Control wild birds with poisons & traps. *Poultry Meat* 3(5):A28-A27. May 1966. 47.8 P8656
To prevent spread of diseases and external parasites in turkeys.
- 36990 FARRELL, P. M., EYERMAN, E. L., and TUREN, L. L. Comparison of plasma creatine phosphokinase changes in nutritional and genetic muscular dystrophy in the chickens. *N. Y. Acad. Sci. Ann.* 138(1):102-112. Ref. Sept.1,1966. 500 N484
Includes discussion.

- 36991 FEBVRE, H., TEYSSIE, A., and ROTHSCCHILD, I. Problems posed by conversion of normal cells of mammals into malignant cells under the influence of Rous sarcoma-virus of poultry. (Fr) Paris. Soc. Biol. Compt. Rend. 160(1): 42-45. 1966. 442.9 P21
- 36992 FRIEDMAN, M. C. Physiological conditions for the stimulation of prolactin secretion by external stimuli in the ring dove. Diss. Abstr., Sect. B, 27(1):312B-313B. July 1966. Z5055.049D53
- 36993 FURWICZ, A., and STEFFEN, J. An attempt to identify strains of *Pasteurella pseudotuberculosis* isolated from animals in the Katowice province. (Pol) Med. Weter. 22(11):660-663. Ref. Nov. 1966. 41.8 M463
English summary.
Includes turkeys.
- 36994 FUSSELL, M. H. Observations on the intestinal absorption and urinary excretion of calcium and phosphorus in the hen. World's Poultry Congr. Proc., 13th Congr.:309-313. Ref. 1966. SF481.W6
- 36995 GERTNER, M. Radiological examination of the uterovaginal oviduct section of layer geese, with particular respect to artificial insemination aspects. World's Poultry Congr. Proc., 13th Congr.:268-274. Ref. 1966. SF481.W6
- 36996 GLEAVES, E. W. The action and interaction of physiological food intake regulators in the laying hen. Diss. Abstr. Sect. B, 27(1):8B. July 1966. Z5055.049D53
- 36997 CLICK, B. Growth, livability, immune response, and reproductive efficiency of birds hatched from eggs dipped in solutions containing testosterone propionate. World's Poultry Congr. Proc., 13th Congr.:303-306. Ref. 1966. SF481.W6
- 36998 GOODRIDGE, A. G., and BALL, E. G. Lipogenesis in the pigeon: in vitro studies. Amer. J. Physiol. 211(3):803-808. Ref. Sept. 1966. 447.8 Am3
- 36999 GREENFIELD, M. L. The oocyte of the domestic chicken shortly after hatching, studied by electron microscopy. J. Embryol. Exp. Morphol. 15(3):297-316. Ref. June 1966. 442.8 J629
- 37000 GRUNFELDER, L. Intensive poultry rearing and debeaking. (Hu) Baromifenyesztes 10(4): 4-5. May 1966. 47.8 B262
Chiefly on debeaking to prevent cannibalism.
- 37001 GUNTHER, O. Non-occurrence of antibodies and biological individuality. (Ge) Umschau 66 (4):105-108. Feb. 15, 1966. 474 Um7
Includes poultry.
- 37002 GYLSTORFF, I. The use of medicaments and vaccines for poultry. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(21):405-409. Nov. 1, 1966. 41.8 B45
English summary.
- 37003 HADERER, G. Les troubles du transit digestif chez le poulet [Troubles of digestion in the chicken]. Alfort. Ecole Nat. Vet. These 14, 93 p. Ref. 1966. 41.2 AL23
- 37004 HAMBURGER, V., WENGER, E., and OPPENHEIM, R. Motility in the chick embryo in the absence of sensory input. J. Exp. Zool. 162 (2):133-159. Ref. July 1966. 41.0 J825
- 37005 HANSON, B. S. Health and intensive poultry production. Great Brit. Min. Agr. Fish. Food. Agr. 73(11):530-533. Nov. 1966. 10 G79J
Diseases.
- 37006 HARTWICK, H. "Cage fatigue" or "cage paralysis" of laying hens, a new syndrome of chicken kept in cages. (Ge) Deut. Tierarztl. Wochenschr. 73(12):277-279. July 15, 1966. 41.8 D482
English summary.
- 37007 HARTWICK, H., and FEHLBERG, J. Experimental infection of broiler chicks and young Leghorn cocks with small doses of *Eimeria* (E.) *acervulina*. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(14):261-263. July 15, 1966. 41.8 B45
English summary.
- 37008 HASHIMOTO, K., and WILT, F. H. The heterogeneity of chicken hemoglobin. Nat. Acad. Sci. Proc. 56(5):1477-1483. Ref. Nov. 1966. 500 N21P
- 37009 HEALEY, J. S. Cage layer fatigue. New S. Wales. Dep. Agr. Poultry Notes, July 1965:2-4. 47.9 N472
- 37010 HEFFERNAN, B. E. Are poult injections worthwhile? Poultry Meat 3(1):T90-T92. Jan. 1966. 47.8 P8656
With antibiotics, to prevent diseases.
- 37011 HERBERT, J. What's the trend in PPLO control? Poultry Meat 3(3):66-67, 68. Mar. 1966. 47.8 P8656
Mycoplasmosis.
- 37012 HODGES, R. D. Changes in blood pO₂ and pH during the formation of the egg shell in laying hens. World's Poultry Congr. Proc., 13th Congr.:314-319. Ref. 1966. SF481.W6
- 37013 HOHMAN, W., and SCHRAER, H. The intracellular distribution of calcium in the mucosa of the avian shell gland. J. Cell Biol. 30(2): 317-331. Ref. Aug. 1966. 442.8 J828
Poultry.
- 37014 HORTON-SMITH, C., and LONG, P. L. The fate of the sporozoites of *Eimeria acervulina*, *Eimeria maxima* and *Eimeria mitrati* in the caeca of the fowl. Parasitology 56(3):569-574. Aug. 1966. 448.8 P21
- 37015 INOUE, I., and others. Field surveys on respiratory diseases in chickens. I. Effects of inoculation against fowlpox and Newcastle disease upon prevention of respiratory diseases. (Ja) Jap. Vet. Med. Ass. J. 19(8):328-332. Aug. 1966. 41.9 J275
S. Nomoto, F. Watanabe, K. Takazawa, H. Arakawa, and K. Arai, joint authors.
English summary.
- 37016 INOUE, I., and others. Schizogony and gametogony of coccidia in experimentally infected ducks. (Ja) Jap. Vet. Med. Ass. J. 19(7):298-300. July 1966. 41.9 J275
S. Nomoto, F. Watanabe, and K. Tsunoda, joint authors.
English summary.
- 37017 KAWASAKI, M., and others. Outbreak and experiments on prevention and treatment of avian encephalomalacia. (Ja) Jap. Vet. Med. Ass. J. 19(9):492-496, 502. Sept. 1966. 41.9 J275
Y. Takiguchi, T. Katayama, S. Yoshinaga, and Y. Minoge, joint authors.
English summary.
- 37018 KHAIRALLAH, L. H. The fine structure of the tubular glands in the isthmus of the oviduct of the hen. Diss. Abstr., Sect. B, 27(5):1354B. Nov. 1966. Z5055.049D53
- 37019 KHASKIN, V. V. Biochemical mechanisms of temperature adaptation of the chick embryo. World's Poultry Congr. Proc., 13th Congr.: 526-530. Ref. 1966. SF481.W6
- 37020 KING, A. S. Structural and functional aspects of the avian lungs and air sacs. Int. Rev. Gen. Exp. Zool. 2:171-287. Ref. 1966. 41.0 In83
Includes poultry and pigeons.
- 37021 KIRVAITIS, J. S. A radiobiological study of the development of Newcastle disease virus. Diss. Abstr., Sect. B, 27(1):33B-34B. July 1966. Z5055.049D53
- 37022 KOVACS, L. Fowl cholera is eradicated in Ujlörincfalva. (Hu) Baromifenyesztes 10(9): 22. Sept. 1966. 47.8 B262
- 37023 KROK, G. S. Embryohistogenesis and post-embryonic development of subepithelial lymphoid formations in poultry. World's Poultry Congr. Proc., 13th Congr.:552-554. 1966. SF481.W6
- 37024 LEE, H. H. K. Studies on the nature and composition of chick embryo hemoglobins. Diss. Abstr., Sect. B, 27(1):331B-332B. July 1966. Z5055.049D53
- 37025 LOLIGER, H. C., and SCHUBERT, H. J. Transmission experiment with avian myelocytoma (tumor forming chloroleukosis, or chorma). (Ge) Pathol. Vet. 3(5):492-505. Ref. 1966. 41.8 P27
English summary.
Chicks.
- 37026 LONG, P. L. The growth of some species of *Eimeria* in avian embryos. Parasitology 56 (3):575-581. Ref. Aug. 1966. 448.8 P21
Chicks.

- 37027 LUND, E. E., WEHR, E. E., and ELLIS, D. J. Earthworm transmission of *Heterakis* and *Histomonas* to turkeys and chickens. *J. Parasitol.* 52(5):899-902. Oct.1966. 448.8 J824
- 37028 LYABIN, B. Y., and others. Virus conjunctivitis of chicks. *World's Poultry Congr. Proc.*, 13th Congr.:412-415. 1966. SF481.W6
P. P. Pirog, O. V. Vinokhodov, and L. Lyabina, joint authors.
- 37029 MALPOIX, P., and LIMBOSCH, S. Influence of puromycin on the morphogenesis and synthesis of macromolecules in the chicken embryo. (Fr) *J. Embryol. Exp. Morphol.* 16(3):439-453. Ref. Dec.1966. 442.8 J829
English summary.
- 37030 MARCH, B. E., COATES, V., and BIELY, J. Erythropoietic response in chickens with inherited muscular dystrophy. *Soc. Exp. Biol. Med. Proc.* 122(4):1126-1129. Aug./Sept.1966. 442.9 S01
- 37031 MARSH, G. A. How coccidiosis steals your profits. *Poultry Meat* 3(4):A22-A24. Apr. 1966. 47.8 P8656
Turkeys.
- 37032 MARTIN, W. G., and others. Synthesis of taurine from sulfate by the chick. *Soc. Exp. Biol. Med. Proc.* 122(3):841-844. July 1966. 442.9 S01
R. J. Miraglia, D. G. Spaeth, and H. Patrick, joint authors.
- 37033 MARTY, W. G. The intestinal phase of an experimental infection of chicks with *Trichinella spiralis*. *J. Parasitol.* 52(5):903-907. Ref. Oct.1966. 448.8 J824
- 37034 MESZAROS, J. Health situation in our poultry husbandry. (Hu) *Baromfitenyesztes* 10(4):8-10. May 1966. 47.8 B262
Disease control.
- 37035 MIKLOS, MRS. H. E. Period of sexual maturity of geese. (Hu) *Baromfitenyesztes* 10(7):16-17. July 1966. 47.8 B262
- 37036 MINCHEVA, N., and SIERKOV, SH. Attempt at the immunisation of chicks against *Eimeria tenella*. (Bu) *Vet. Med. Nauk.* 3(8):831-836. Ref. 1966. 41.8 V6468
English summary.
- 37037 MOEHRING, J. M. Comparisons between virulent and avirulent strains of avian mycobacterium. *Diss. Abstr.*, Sect. B, 27(1):35B. July 1966. Z5055.U49D53
Mycobacterium avium.
- 37038 MOORE, S. A. National Turkey Improvement Plan summary of records for the past year—all birds free of pullorum and typhoid. *Poultry Meat* 3(10):A65,A68-A69. Oct.1966. 47.8 P8656
- 37039 MORGAN, W. C. Irradiation symptomatology is determined by developmental stage. *World's Poultry Congr. Proc.*, 13th Congr.:531-535. Ref. 1966. SF481.W6
Chick embryos.
- 37040 MYHERS, P. Your birds don't have enteritis. *Poultry Meat* 3(11):A25-A27. Nov.1966. 47.8 P8656
Turkeys; includes causes.
- 37041 NESTOROV, N., and others. Content of blood sugar, glycogen and free sugars in some organs of starved poultry. (Bu) *Vish Selskostopanski Inst. "Vasil Kolarov"* Nauch. Tr. 14(1):405-410. 1965. 106.3 P72
G. Slavchev, G. Uzunov, and N. Bankov, joint authors.
German summary.
- 37042 NESTOROV, N., and others. Starvation and some characteristics of protein metabolism in poultry. (Bu) *Vish Selskostopanski Inst. "Vasil Kolarov"* Nauch. Tr. 14(1):399-404. Ref. 1965. 106.3 P72
G. Slavchev, G. Uzunov, and N. Bankov, joint authors.
German summary.
- 37043 NEUMEISTER, H. Observations on ossification of the embryonal skeleton of the domestic fowl. *World's Poultry Congr. Proc.*, 13th Congr.:555-562. 1966. SF481.W6
- 37044 NISHIDA, S., ARAI, K., and MIZUMA, Y. The effect of alteration in the internal environment of poultry egg on embryonic growth. *World's Poultry Congr. Proc.*, 13th Congr.:536-539. 1966. SF481.W6
- 37045 OLSEN, M. W. Parthenogenesis in eggs of White Leghorn chickens following an outbreak of visceral lymphomatosis. *Soc. Exp. Biol. Med. Proc.* 122(4):977-980. Aug./Sept.1966. 442.9 S01
- 37046 ORLOV, M. V., ZLOCHEVSKAYA, K., and DOLBENEVA, Y. Embryonal and postembryonal development of chickens in relation to the growth of blastodisks on the first day of incubation. *World's Poultry Congr. Proc.*, 13th Congr.:547-551. Ref. 1966. SF481.W6
- 37047 OSZTOTICS, F. Some experiences in fowl cholera control. (Hu) *Baromfitenyesztes* 10(9):15. Sept.1966. 47.8 B262
- 37048 OTRYGANYEV, G. K. Certain constitutional peculiarities of embryonic development of chickens. *World's Poultry Congr. Proc.*, 13th Congr.:542-546. Ref. 1966. SF481.W6
- 37049 PALLEJA FIGUEROA, J. M. Administration of drugs to poultry with water. (Sp) *Avicult. Tec.* 17(11):540,543-544. Nov.1966. 47.8 Av57
- 37050 PANDE, J. K., DWARKNATH, P. K., and PAL, A. K. Exogenous estrogens & alkaline phosphatase activity of chick oviduct. *Indian J. Exp. Biol.* 4(2):104-105. Apr.1966. 442.8 In2
- 37051 PATNAIK, B. Experiments with *Eimeria tenella* Railliet and Lucet, 1891, in chickens by parenteral routes of infection. *Indian Vet. J.* 43(10):868-880. Ref. Oct.1966. 41.8 In2
- 37052 PERENYI, M. Biological factors affecting egg production of turkey. (Hu) *Baromfitenyesztes* 10(7):14. July 1966. 47.8 B262
- 37053 PERESADIN, A. V. Study of toxicity of polymyxin M and its effect on endotoxin of *Salmonella pullorum*. (Rus) *Antibiotiki* 11(7):636-640. Ref. July 1966. 396.8 An84
English summary.
- 37054 PODLEWSKA, D., PTASZEK, J., and WACHNIK, Z. Diathesis urica in New Hampshire chicks and chick embryos. (Pol) *Med. Veter.* 22(11):687-689. Nov.1966. 41.8 M463
English summary.
Possible cause, vitamin A deficiency.
- 37055 POLO JOVER, F. Pathogenic effects of *Escherichia coli*. (Sp) *Avicult. Tec.* 17(11):535-536,539. (Cont.) Nov.1966. 47.8 Av57
-Colibacillosis.
- 37056 PORTER, D. B., and JOHNSON, C. A. Baquinolate—a broad-spectrum coccidiostat. *World's Poultry Congr. Proc.*, 13th Congr.:443-451. 1966. SF481.W6
Ethyl 4-hydroxy-6,7-disubutoxy-3-quinoline-carboxylate (U-1093).
- 37057 POUT, D. D. Villous atrophy and coccidiosis. *Nature* 213(5073):306-307. Ref. Jan.21,1967. 472 N21
Chicks infected with *Eimeria acervulina*, and lambs infected with *E. crandialis*.
- 37058 PRAKHOV, R., NANCHEV, I., and KOSTOV, L. Experiments to increase egg production of hens by treatment with stallion's urine. (Bu) *Vet. Med. Nauk.* 3(7):767-777. 1966. 41.8 V6468
English summary.
- 37059 RICHARDS, W. H. G. Active immunization of chicks against *Plasmodium gallinaceum* by inactivated homologous sporozoites and erythrocytic parasites. *Nature* 212(5069):1492-1494. Dec.24,1966. 472 N21
- 37060 RICHARDS, W. H. G. Antimalarial activity of sulphonamides and a sulphone, singly and in combination with pyrimethamine, against drug resistant and normal strains of laboratory plasmodia. *Nature* 212(5069):1494-1495. Dec.24,1966. 472 N21
Includes *Plasmodium gallinaceum*.
- 37061 ROBERTS, D. H. Neuraminidase-like enzyme present in *Mycoplasma gallisepticum*. *Nature* 213(5071):87-88. Jan.7,1967. 472 N21

- 37062 ROSENBERG, F., ROZENGURT, J. E., and CAPAUL, E. Plasmatic electrolytes: Sodium, potassium and chlorium, in normal poultry. (So) Gac. Vet. 28(189):146-151. Ref. Apr. 1966. 41.8 G112
English summary.
- 37063 ROSENWALD, A. S. Trends in turkey health. Poultry Meat 4(2):A56,A58,A60-A61. Feb. 1967. 47.8 P8656
- 37064 ROTOV, V. I. Chemoprophylaxis of poultry tuberculosis. (Uk) Veternariya 2:21-23. 1964. Not in Libr.
Treatment with para-aminosalicylic acid and phthivazide.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:36. Aug.1965.
Film S-205
- 37065 ROZSA, J. Fowl cholera control methods at Hodmezovasarhely. (Hu) Baromitenyesztes 10(9):23. Sept.1966. 47.8 B262
- 37066 SCHEID, J. P. Contribution a l'etude des alopécies chez les volailles; etude de quelques observations [Contribution to the study of alopecia in poultry; study of some observations]. Alfort. Ecole Nat. Vet. These 6,73 p. Ref. 1966. 41.2 AL23
- 37067 SCHOLTISSEK, C., and ROTT, R. Failure of function of the early protein induced by an influenza virus in cells infected by Newcastle disease virus. Nature 213(5072):186. Jan.14, 1967. 47.2 N21
- 37068 SEVOIAN, M. Leukosis gains toehold in turkeys. Poultry Meat 3(6):A26,A28. June 1966. 47.8 P8656
- 37069 SHEN, I. P., and LUNG, T. P. A new trematode, *Notocotylus hsui* sp. n. (family of Notocotylidae), and a study of the last stages of its life cycle. (Ch) Acta Parasitologica Sinica 2(2):139-150. 1965. Not in Libr.
Parasite of geese.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] Communist Chin. Sci. Abstr. Bio-Med. Sci. 50:36. Mar.9,1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSIT.
- 37070 SIMPSON, C. F., and HARMS, R. H. Aortic ruptures in turkeys induced by diethylstilbestrol and dieneol diacetate. Soc. Exp. Biol. Med. Proc. 123(2):604-606. Nov.1966. 44.2.9 Sol
- 37071 SIMPSON, C. F., and HARMS, R. H. Comparison of parentally and orally administered diethylstilbestrol in production of aortic ruptures in turkeys. Soc. Exp. Biol. Med. Proc. 122(4):1162-1164. Aug./Sept.1966. 44.2.9 Sol
- 37072 SMYSER, C. F., and others. Forty-sixth annual report on pullorum disease eradication in Massachusetts, 1965-1966. Mass. Agr. Exp. Sta. Contr. Ser. Bull. 205,19 p. Aug.1966. 100 M38H
H. Van Roekel, G. H. Snoeyenbos, and D. N. Stern, joint authors.
- 37073 SQUIBB, R. L., and GRUN, J. Effect of nutritional status on resistance to infection in the avian species. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.1):1695-1700. Ref. Nov./Dec.1966. 44.2.9 F31P
Chicks infected with Newcastle disease virus.
- 37074 SRINIVASAN, V. V., and RAO, S. B. V. Studies on the histopathology of avian apirochaetosis. Indian Vet. J. 43(10):916-919. Oct.1966. 41.8 In2
- 37075 STAVAR, P., and others. Changes in eggs during the hatching and development of chicks under the effect of electromagnetic waves. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 23:421-437. Ref. 1966. 49.9 R86L
A. Mauch, N. Vermezen, F. Rosiamu, T. Dinulescu, and A. Maceariu, joint authors.
English summary.
- 37076 STAVAR, P., JURENKOVA, G., and POPOVICI, D. Functional changes in chick embryos and in chicks under the effect of electromagnetic waves. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:485-497. 1966. 49.9 R86L
English summary.
- 37077 STEPKOWSKI, S., and RZEDZICKI, J. Observations on the action of Furazol W [nitrofurazone] in coccidiosis of the intestines in chickens. (Pol) Med. Weter. 22(11):681-682. Nov. 1966. 41.8 M463
English summary.
- 37078 STOYANOV, P., and SHERKOV, SH. Effect of the temperature on the resistance of newly hatched chicks to experimental invasion with *Coccidia*. (Bu) Vet. Med. Nauk. 3(7):751-757. Ref. 1966. 41.8 V6466
English summary.
- 37079 ST. PIERRE, R. L., and ACKERMAN, G. A. Influence of bursa implantation upon lymphocytic nodules and plasma cells in spleens of bursectomized chickens. Soc. Exp. Biol. Med. Proc. 122(4):1280-1284. Ref. Aug./Sept.1966. 44.2.9 Sol
- 37080 STURKIE, P. D. Cardiac output in ducks. Soc. Exp. Biol. Med. Proc. 123(2):487-488. Nov. 1966. 44.2.9 Sol
- 37081 SUGANO, M., CHINEN, I., and WADA, M. Fatty acid specificity of cholesterol esterification in classes of serum lipoproteins of chickens. J. Biochem. 60(4):345-351. Ref. Oct. 1966. 385 J822
- 37082 SZECSENYI, I. Theoretical problem in fowl cholera control. (Hu) Baromitenyesztes 10(9):4-5. Sept.1966. 47.8 B262
- 37083 THOMSON, D. S. Histogenesis of proventricular submucosal glands of the chick as revealed by light and electron microscopy. Diss. Abstr., Sect. B, 27(1):335B-336B. July 1966. Z5055.U49D3
- 37084 TONER, P. G. The fine structure of the glomular leucocyte in the fowl intestine. Acta Anat. 61(3):321-330. Ref. 1965. 44.8 AC82
- 37085 TOVARI, GY. Infectious hepatitis and appendicitis of turkeys. (Hu) Baromitenyesztes 10(7):4-5. July 1966. 47.8 B262
Histomoniasis and heterakidiasis.
- 37086 TSYROV, V. A., and KUZMIN, V. V. Ornithosis in turkeys. (Rus) Veterinariya 9:40. Sept. 1966. 41.8 V6426
- 37087 TUGWELL, R. L. Amino acids may be key to pullorum control. Poultry Meat 3(6):70,72. June 1966. 47.8 P8656
Studies at the University of Tennessee, College of Agriculture and Home Economics.
- 37088 UZUNOV, G. Effect of synthetic oestrogens on the nucleic acids and protein in chick embryos. (Bu) Vet. Med. Nauk. 3(7):759-765. Ref. 1966. 41.8 V6468
English summary.
- 37089 VATNE, R. D. What you should know about worms in turkeys. Poultry Meat 3(5):A18-A20. May 1966. 47.8 P8656
- 37090 VOGT, P. K., and ISHIZAKI, R. Patterns of viral interference in the avian leukosis and sarcoma complex. Virology 30(3):368-374. Ref. Nov.1966. 44.8 V81
- 37091 WATSON, R. C. Ravages of leucosis in poultry flocks can be curbed. New Zeal. J. Agr. 113(1):61,63. July 1966. 23 N48J
- 37092 WATT, J. E. Salmonella infection in poultry. Can. J. Public Health 57(11):522-524. Nov. 1966. 44.9 B964
- 37093 WEINER, I. Results of fowl cholera immunization in large duck farms. (Hu) Baromitenyesztes 10(9):13. Sept.1966. 47.8 B262
- 37094 WILCOX, F. H., and CLOUD, W. S. Alkaline phosphatase in the reproductive system of the hen. J. Reprod. Fertil. 10(3):321-328. Ref. Dec.1965. 44.2.8 J8222
- 37095 WINTERFIELD, R. W. Notable advances made in turkey vaccination. Poultry Meat 3(2):A56, A60-A62,A64. Feb.1966. 47.8 P8656
- 37096 WOOD-GUSH, D. G. M. An investigation into the physiological basis of nesting behaviour of the domestic hen. World's Poultry Congr. Proc., 13th Congr.:501-503. 1966. SF481.W6
- 37097 YODER, H. W. Planned PPLO exposure not recommended for turkeys. Poultry Meat 3(1):T31,T34,T51. Jan.1966. 47.8 P8656
Mycoplasma gallisepticum as the causal agent.

- 37098 ZOLDI, L. Successful control of fowl cholera. (Hu) *Baromifitenyesztes* 10(9):14. Sept. 1966. 47.8 B262
- 37099 ZYLBERBAUM, S. Malignant transformation of diploid cells from human embryo under influence of Rous sarcoma-virus of poultry. (Fr) *Paris, Soc. Biol. Compt. Rend.* 160(1): 31-35. Ref. 1966. 442.9 P21
- Miscellaneous
- 37100 ACSADY, GY. Some health problems in home raising of poultry. (Hu) *Baromifitenyesztes* 10 (10):24. Oct. 1966. 47.8 B262
Sanitation.
- 37101 ALLGOOD, J. G. Should you raise sexed poults? *Poultry Meat* 3(4):A55-A56. Apr. 1966. 47.8 P8656
- 37102 AMOS, B., and others. Do opportunities really exist for poultry graduates? *Poultry Meat* 3 (6):A16-A18. June 1966. 47.8 P8656
- 37103 AUXILIA, M. T., and SAVIO, E. Experiments for raising guinea fowl in batteries and on ground. (It) *Avicoltura* 35(1):187-195. Jan. 1966. 47.8 R523
- 37104 BALOGH, L. Fishpond rearing of ducks. (Hu) *Baromifitenyesztes* 10(9):12. Sept. 1966. 47.8 B262
- 37105 BATESON, P. P. G. The characteristics and context of imprinting. *Cambridge Phil. Soc. Biol. Rev.* 41(2):177-220. Ref. May 1966. 442.9 C14
Includes poultry.
- 37106 BELL, D. The economics of size in egg production. *Poultry Trib.* 73(1):53,56. Jan. 1967. 47.8 P8642
Size of egg production unit.
- 37107 BLAKE, J. B. The production of poultry meat (broilers) in Pakistan. *Agr. Pakistan* 16(3): 353-367. Ref. Sept. 1965. 22 Ag832
- 37108 BROWN, K. I. Does summer egg production pay? *Poultry Meat* 3(5):A30, A63. May 1966. 47.8 P8656
Turkeys.
- 37109 BRUNOLI, A. International poultry dictionary—Italian, French, English, German, Spanish—L to M. (It) *Avicoltura* 35(1):113-128. Jan. 1966. 47.8 R523
- 37110 BRUNOLI, A. International poultry dictionary—Italian, French, English, German, Spanish—M to P. (It) *Avicoltura* 35(2):137-152. Feb. 1966. 47.8 R523
- 37111 BRUNOLI, A. At last the moment of truth for poultry. (It) *Avicoltura* 35(1):97-100. Jan. 1966. 47.8 R523
French summary, p. 69.
Slaughtering.
- 37112 BYKHOVETS, A. U. Periodic cooling of eggs during incubation and increase in viability of poultry. *World's Poultry Congr. Proc.*, 13th Congr.:520-525. 1966. SF481.W6
- 37113 CASELLI, R. Fight against the ambient germs. (It) *Avicoltura* 35(2):101-104. Feb. 1966. 47.8 R523
French summary, p. 68.
- 37114 CASTELLO DE PLANDOLIT, F. Twenty five years from the death of poultry protector [Alfonso XIII]. (Sp) *Avicult. Tec.* 17(4):177-184. Apr. 1966. 47.8 Av57
- 37115 CLAYBAUGH, J. W. Check list for controlled environmental housing. *Poultry Trib.* 73(1):24-25. Jan. 1967. 47.8 P8642
- 37116 CLAYTON, E. S., and SYKES, A. H. The economic consequences of force moulting. *World's Poultry Congr. Proc.*, 13th Congr.: 632-635. 1966. SF481.W6
- 37117 CZARNOWSKA, Z. Advisory services. (Pol) *Drobiarstwo* 13(12):15-16. Dec. 1965. 47.8 P953
Poultry.
- 37118 CZUBA, S. Preparing housing for broilers. (Pol) *Drobiarstwo* 13(12):9-10. Dec. 1965. 47.8 P953
- 37119 DANILOVA, A., and others. Effect of keeping poultry in many-tier cages on the physiological state and productivity. *World's Poultry Congr. Proc.*, 13th Congr.:486-489. 1966. SF481.W6
M. S. Naidensky, Y. I. Plotinsky, and I. Shpits, joint authors.
Chiefly egg production.
- 37120 DRAHOS, L. Sex determination of guinea fowl. (Hu) *Baromifitenyesztes* 10(7):5. July 1966. 47.8 B262
- 37121 DRURY, L. N., and SIEGEL, H. S. Air velocity and heat tolerance of young chickens. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(4):583-585. 1966. 290.9 Am32T
In housing.
- 37122 DUNACHIE, J. F., and FLETCHER, W. W. Effect of some insecticides on the hatching rate of hens' eggs. *Nature* 212(5066):1062-1063. Ref. Dec. 3, 1966. 472 N21
Injected into the yolk.
- 37123 THE ECONOMIC and practical convenience of the various systems of raising guinea fowl. (It) *G. Pollicoltori* 15(12):76-82, 84, 86-88, 91-92, 94, 96-98, 100-102, 104-106. Dec. 1965. 47.8 G43
Panel discussion; Moderator: A. Battaglini; members: P. Tofaletti, A. Chiericati, F. Bel-landi, A. de Stefani, L. Spaziani, C. Fracanzani, and A. Broggi.
- 37124 EDGAR, S. A. Hatchery study reveals causes of poor hatchability and cull chicks. *Poultry Meat* 3(10):24, 26. Oct. 1966. 47.8 P8656
- 37125 ELMSLIE, L. J., JONES, R. H., and KNIGHT, D. W. A general theory describing the effects of varying flock size and stocking density on the performance of caged layers. *World's Poultry Congr. Proc.*, 13th Congr.:490-495. Ref. 1966. SF481.W6
- 37126 ENOS, H. How much shade for turkeys? *Poultry Meat* 3(6):A20-A21, A24. June 1966. 47.8 P8656
- 37127 FULOP, I. Possibilities for increasing egg production according to the method use in Hajduboszormeny. (Hu) *Baromifitenyesztes* 10(9): 20-21. Sept. 1966. 47.8 B262
- 37128 GERENCSE, V. Increasing the layer poultry production period with artificially induced molting. (Hu) *Baromifitenyesztes* 10(8):16-17. Aug. 1966. 47.8 B262
- 37129 HEFFERNAN, B. E. How turkeymen fight predators. *Poultry Meat* 3(7):A14-A16, A34. July 1966. 47.8 P8656
- 37130 HERBERT, J. How to produce good hatching egg. *Poultry Meat* 4(2):10, 12. Feb. 1967. 47.8 P8656
- 37131 HERBERT, J. On-the-farm fumigation cuts hatching egg losses. *Poultry Meat* 3(5):72, 74. May 1966. 47.8 P8656
- 37132 HOLDAS, S. Some data on broiler production in the U.S. (Hu) *Baromifitenyesztes* 10(9):16-17. Sept. 1966. 47.8 B262
- 37133 ITALIAN-French round table on guinea fowl. (It) *G. Pollicoltori* 15(1):92-93, 95-97, 99-100, 102, 104, 106, 108-126, 128-135. Jan. 1965. 47.8 G43
Technique of raising guinea fowl, by C. L. Fracanzani; Nutrition of the guinea fowl, by E. Padoa; Measures and methods for increasing consumption of guinea fowl meat, by L. S. Stecca; The method of selection of guinea fowl in France, by P. Stevens; The guinea fowl, by J. M. Lamblard; Pathology of the guinea fowl in France, by J. C. Cauchard; An experiment on the loss of weight in the guinea fowl egg during incubation, by R. Gruaz; Measures and methods for increasing consumption of guinea fowl meat, by R. Gruaz; Report on an experiment in raising guinea fowl for meat in batteries, by D. Areta.
Includes discussion.
- 37134 JONSSON, E. Quality production of eggs and poultry meat. (Sw) *Jord—Groda—Djur* 23:96-111. 1966. 11 J763
- 37135 KASZONYI, J. New data on the goose from the Rhine region. (Hu) *Baromifitenyesztes* 10(7): 6-7. July 1966. 47.8 B262
Rearing.

- 37136 KENNAMER, E. F. Stop those broiler house thieves! Poultry Meat 3(10):30-32. Oct.1966. 47.8 P8656
-Rats and other predators.
- 37137 KOPLIK, MRS. K. E. Prerequisites of modern turkey rearing. (Hu) Baromfitenyesztes 10(6):7. June 1966. 47.8 B262
- 37138 KOSTRZEWSKI, Z. Hatching of goslings. (Pol) Dziennik 13(12):11. Dec.1965. 47.8 P953
Includes feeding.
- 37139 KRUSTEV, E. On the determination of parathion in hen and rabbit cadavers. (Bu) Vet. Med. Nauk. 2(9):803-807. 1965. 41.8 V6468
English summary.
- 37140 LANG, GY. Egg producing farm at Nagyvenyim. (Hu) Baromfitenyesztes 10(6):12-13. June 1966. 47.8 B262
- 37141 LEACH, R. I. Collegiate poultry education—a different and proven approach. World's Poultry Congr. Proc., 13th Congr.:620-622. 1966. SF481.W6
Of California State Polytechnic College.
- 37142 LONG, J. What's new about lighting programs? Poultry Trib. 73(1):22-23. Jan.1967. 47.8 P8642
Effects on egg production.
- 37143 LOW, E. M. Dynamic programming as an aid in the selection of a stock replacement policy in commercial egg production. World's Poultry Congr. Proc., 13th Congr.:598-603. 1966. SF481.W6
- 37144 MACDOUGALL, A. The chicken or the egg? Mod. Farmer 4(5):22. Sept./Oct.1966. 10 M723
Egg production in Great Britain.
- 37145 MARTINA, C., MAZARINI, C., and TWIK, C. Comparative study of the production of the geese imported from the People's Republic China and People's Republic Hungary and the domestic geese. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:483-499. Ref. 1966. 49.9 R86L
English summary.
- 37146 MAV 64—PADUA, December 5-8. (It) G. Pollicoltori 15(1):29-36,38,40,42-50,52-53,56,60-62,64,66,68-73,78-79,83-86,88-90,92-93,95-97,99-100,102,104,106,108-126,128-135. Jan.1965. 47.8 G43
The Poultry and Rabbit Show (Mostra Avic-nicola); addresses.
- 37147 MONACHON, G. Contribution from the "Domaine Experimental d'Artigueres" to the improving of goose raising. World's Poultry Congr. Proc., 13th Congr.:506-512. 1966. SF481.W6
Chiefly housing and care in France.
- 37148 MUNOZ GARCES, C. Protection of poultry. (Sp) Avicult. Tec. 17(4):197-200. Apr.1966. 47.8 AV57
Humane slaughtering.
- 37149 NEMETH, L. Situation in our goose production. (Hu) Baromfitenyesztes 10(11):3-4. Nov. 1966. 47.8 B262
- 37150 OHIO POULTRY ASSOCIATION. 1965-1966 report of operations for Ohio hatcheries participating in the National Poultry Improvement Plan and the National Turkey Improvement Plan. Columbus, 1966. 7 p. 47.9 Oh3
- 37151 ORBAN, MRS. A. Guiding principles in developing hatching. (Hu) Baromfitenyesztes 10(4):16-17, map. May 1966. 47.8 B262
- 37152 PALMER, D. H. Hatching egg size and broiler quality. Merck Agr. Memo 37:3-4. Nov.1966. 41.8 M53
- 37153 PAPP, GY. Some of the experiences gained from poultry husbandry of Poland. (Hu) Baromfitenyesztes 10(8):10-11. Aug.1966. 47.8 B262
- 37154 PAYNE, C. G. Environmental temperature and the performance of light breed pullets. World's Poultry Congr. Proc., 13th Congr.:480-485. 1966. SF481.W6
Egg production of White Leghorn.
- 37155 PERKES, J. Growing up? Farmers' J. (n.s.) 5(6):48,50. Jan.1966. 10 F2234
Egg laying trials.
- 37156 PERKES, J. Laying down the line. Farmers' J. (n.s.) 5(2):56,58-59. Sept.3,1965. 10 F2234
Poultry care in Northern Ireland.
- 37157 PETERSEN, C. F. Factors which influence the quality of egg shell. (It) Avicoltura 35(2):69-91. Ref. Feb.1966. 47.8 R523
French summary, p.67.
- 37158 PETZENHAUSER, M. How to keep 'em cool. Poultry Meat 3(6):26-28,30. June 1966. 47.8 P8656
Proper ventilation in the poultry house to minimize high temperature stresses during the hot season.
- 37159 POPOV, A. A. Hygienic estimation of hen management systems. World's Poultry Congr. Proc., 13th Congr.:496-499. 1966. SF481.W6
- 37160 RIMLER, K. Home raising of geese, ducks, turkeys, guinea fowls. (Hu) Baromfitenyesztes 10(5):20-21. May 1966. 47.8 B262
- 37161 SIMON, D. L. Economy of laying-hybrids in a second production period. World's Poultry Congr. Proc., 13th Congr.:644. 1966. SF481.W6
- 37162 SMETNEV, S. S. Training of poultry researchers in the U.S.S.R. World's Poultry Congr. Proc., 13th Congr.:615-619. 1966. SF481.W6
- 37163 TARDANI, A. Cycles of production in broilers and layers. (It) Avicoltura 35(2):97-100. Feb.1966. 47.8 R523
French summary, p.67-68.
- 37164 TOTH, M., VALTER, T., and KRUDY, G. Investigation of egg production, hatchability of eggs and viability of the progeny in New Hampshire pullets post-raised in movable pens and in closed poultry-houses. II. (Hu) Allattenyesztes 15(4):367-374. Dec.1966. 49 AL57
English summary.
- 37165 TOTH, S. Performance study. (Hu) Baromfitenyesztes 10(9):10-11. Sept.1966. 47.8 B262
Statistical poultry egg production research method.
- 37166 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. POULTRY RESEARCH BR. 1966 report of egg production tests, United States and Canada; random sample egg production tests, two-year combined summary, 1964-65 and 1965-66, range group rankings, 1965-66. U. S. Agr. Res. Serv. ARS-44-79-7,51 p. Dec.1966. A49.9 R31A
- 37167 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. POULTRY RESEARCH BR. Squab raising. U. S. D. A. Farmers' Bull. 684, rev., 22 p. Nov.1966. 1 Ag84F
- 37168 VARADY, B. Hatching poor—poor hatching? (Hu) Baromfitenyesztes 10(6):8-9. June 1966. 47.8 B262
Chiefly on legal aspect of hatcheries concerning the viability of chicks.
- 37169 VARADY, B. Japanese method of sex determination of day-old chick. (Hu) Baromfitenyesztes 10(10):15. Oct.1966. 47.8 B262
- 37170 VARGA, P. CS. Experiences in rearing meat and liver type goose. (Hu) Baromfitenyesztes 10(7):8-9. July 1966. 47.8 B262
- 37171 VERMESAN, N. Study of the reduction substances in eggs during the incubation. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:411-419. 1966. 49.9 R86L
English summary.
- 37172 WESSELS, J. P. H. Extra light for broilers. Farming S. Afr. 42(8):40-41. Nov.1966. 24 S6842
- 37173 ZAMBELLI, E. The poultry industry of Forlì Province. (It) G. Pollicoltori 15(10):92-96. Oct.1965. 47.8 G43
Includes discussion.
- 37174 ZAMPARO, G. Guinea fowl—modern techniques. (It) G. Pollicoltori 15(12):108-112. (Cont.) Dec.1965. 47.8 G43

RABBITS

Breeds and Breeding

- 37175 AGHINA, C. New directions in the technique of rabbit raising, as indicated by the American experiment. (It) G. Pollicoltori 15(12):63-66. Dec.1965. 47.8 G43
Especially breeding and care.
- 37176 BOUTERS, R., and others. Comparison of DNA revealed by Feulgen and by ultra-violet light in rabbit spermatozoa after storage in the male efferent ducts. *Nature* 213(5072):181-182. Jan.14,1967. 472 N21
C. Esnault, R. Ortavant, and G. W. Salisbury, joint authors.
- 37177 CSIKVARY, L. Home stock breeding of rabbit. (Hu) *Baromfitenyesztes* 10(7):26-27. July 1966. 47.8 B262
- 37178 DZIUK, P. J. Double mating of rabbits to determine capacitation time. *J. Reprod. Fert.* 10(3):389-395. *Ref. Dec.1965. 442.8 J8222*
- 37179 FARAGO, J. Which one is the better meat producing breed? (Hu) *Baromfitenyesztes* 10(8):31. Aug.1966. 47.8 B262
Rabbits.
- 37180 HUC, J. C., and BEAUMONT, A. Origin and evolution of urogenital relationships in the male of domestic rabbit. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(3):454-457. 1966. 442.9 P21
- 37181 NAGY, I. K. Breeding methods. (Hu) *Baromfitenyesztes* 10(11):28. Nov.1966. 47.8 B262
Rabbits.
- 37182 ROBERTSON, J. M., SAMANKOVA, L., and INGALLS, T. H. Hydrocephalus and cleft palate in an inbred rabbit colony. *J. Hered.* 57(4):142-148. *Ref. July/Aug.1966. 442.8 Am3*
- 37183 ZELNIK, J., GROM, A., and GRANAT, J. Meat production of some rabbit breeds in Czechoslovakia. Meat of the French silver-haired, the Chinchilla and the Russian rabbit breeds. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(6):439-452. *Ref. June 1966. 49.9 C33*
English summary.

Feeds and Feeding

- 37184 AYALA MARTIN, E. Feed requirements in rabbits. (Sp) *Avicult. Tec.* 17(4):203-207. Apr.1966. 47.8 Av57
- 37185 FRACANZANI, C. L. From the traditional diet to the rational one. (It) G. Pollicoltori 15(12):58,60,62. Dec.1965. 47.8 G43
Errors of coprophagy, and importance of a plant food diet for rabbits.
- 37186 GRAHAM, E. R., and TELLE, P. Zinc retention in rabbits; effect of previous diet. *Science* 155(3763):691-692. Feb.10,1967. 470 Sc12
- 37187 KADY, A. Silage feed for domestic rabbits. (Hu) *Baromfitenyesztes* 10(5):30. May 1966. 47.8 B262
Includes preparation.
- 37188 PACS, I. Feeding of rabbit with granulated feed. (Hu) *Baromfitenyesztes* 10(10):28. Oct. 1966. 47.8 B262
- Veterinary Medicine
- 37189 AYALA MARTIN, E. General considerations on disease symptoms in rabbits. (Sp) *Avicult. Tec.* 17(11):547-548. Nov.1966. 47.8 Av57
- 37190 BYKHOVTSEVA, T. L. Effect of the liquid extract of ginseng roots and ginseng glycosides on some characteristics of carbohydrate metabolism. (Rus) *Akad. Nauk SSSR. Izv. Ser. Biol.* 4:603-604. July/Aug.1966. 511 Sa2B
English summary.
Tests on rabbits.

- 37191 CAMP, B. J., STEEL, E., and DOLLAHITE, J. W. Certain biochemical changes in blood and livers of rabbits fed oak [*Quercus havardii*] tannin. *Amer. J. Vet. Res.* 28(122):290-292. *Ref. Jan.1967. 41.8 Am3A*
- 37192 CIORDIA, H., and others. The effect of culture temperature and age on the infectivity of the larvae of *Trichostrongylus axei* and *T. colubriformis* in rabbits and guinea pigs. *J. Parasitol.* 52(5):866-870. *Ref. Oct.1966. 448.8 J824*
W. E. Bizzell, D. A. Porter, and C. F. Dixon, joint authors.
- 37193 COATES, M. E., and O'DONOGHUE, P. N. Milk allergy in infant germ-free rabbits. *Nature* 213(5073):307-308. Jan.21,1967. 472 N21
- 37194 CSIKVARY, L. Ulcer of the sole of domestic rabbits. (Hu) *Baromfitenyesztes* 10(8):30. Aug.1966. 47.8 B262
- 37195 KING, J. E. Erythropoiesis in the bone marrow of the fetal rabbit: a morphological study. *Diss. Abstr.*, Sect. B, 27(1):23B-24B. July 1966. Z5055.U49D53
- 37196 KNOTHE, H. Research on the distribution and residues of tetracycline derivatives in tissues and bones of rabbits with attention to the addition of chlortetracycline in rabbit fattening rations. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(5):274-282. *Ref. Sept.1966. 389.78 Z3*
English summary.
- 37197 KYSEL'OV, H. I. Exchange of adenylic acid and creatine phosphates in tissue of rabbits and chickens as induced by age. (Ukr) *Visnyk Sil's'kohospodar. Nauk.* 5:107-109. May 1965. 20 V82
Russian summary.
- 37198 LEWANDOWSKI, M., KOMAR, E., and STUDNICKI, W. Hypophyso-adrenal reaction in rabbits subjected to laparotomy under general or local anaesthesia, or after administration of neuroleptic drug [chlorpromazine]. (Pol) *Lublin. Univ. Marii Curie-Skłodowskiej. Ann. Sect. DD.* 20:265-285. *Ref. 1965.pub.1966. 512 L96Ad*
English summary.
- 37199 MEYER, J., and BENCOSME, S. A. The fine structure of normal rabbit pancreatic islet cells. *Rev. Can. Biol.* 24(3):179-205. *Ref. Sept.1965. 442.8 R325*
- 37200 MOULTON, J. E., and LAU, D. Microspectrophotometry of deoxyribonucleic acid in Shope papilloma and derived carcinoma. *Amer. J. Vet. Res.* 28(122):219-223. *Ref. Jan.1967. 41.8 Am3A*
Of rabbits.
- 37201 SCHOLTYSECK, E., HAMMOND, D. M., and ERNST, J. V. Fine structure of the macrogametes of *Eimeria perforans*, *E. stiedae*, *E. bovis*, and *E. auburnensis*. *J. Parasitol.* 52(5):975-987. *Ref. Oct.1966. 448.8 J824*
Eimeria stiedae and *E. perforans* from rabbits and *E. bovis* and *E. auburnensis* from cattle.
- 37202 SZENDREY, M. Biology of the milk production of domestic rabbit. (Hu) *Baromfitenyesztes* 10(8):28-29. Aug.1966. 47.8 B262
- 37203 TAKACS, E. Much loss caused by coryza. (Hu) *Baromfitenyesztes* 10(7):30-31. July 1966. 47.8 B262
Rabbits.
Includes discussion by L. Csikvary.
- 37204 WAWRZYNIAK, M. Histochemical activity of some enzymes in the mesencephalon during ontogenic development of the rabbit and the guinea-pig. IV. *Folia Histochem. Cytochem.* 4(4):373-387. *Ref. 1966. 385 F71*
- 37205 WEINER, P. D., and PEARSON, A. M. Inhibition of rigor mortis by ethylenediamine tetracetic acid. *Soc. Exp. Biol. Med. Proc.* 123(1):185-187. *Ref. Oct.1966. 442.9 S01*
Rabbit muscles.
- 37206 WIT, J. G., and GENDEREN, H. VAN. Metabolism of the herbicide 2,6-dichlorobenzonitrile in rabbits and rats. *Biochem. J.* 101(3):698-706. *Ref. Dec.1966. 382 B52*

- 37207 ZUCCHI, U. Myxomatosis, its prevention and control by vaccines. (It) G. Pollicolorti 15(9): 122. Sept. 1965. 47.8 G43
- Miscellaneous
- 37208 AYALA MARTIN, E. Advice to rabbit raisers. (Sp) Avicult. Tec. 17(4):221. Apr. 1966. 47.8 Av57
- 37209 KELEMEN, A. Possibilities for large-scale rabbit raising in Hungary. (Hu) Baromfitenyesztes 10(5):28. May 1966. 47.8 B262
- 37210 LAGARDE, J. M. L'eleavage du lapin de laboratoire [Raising the laboratory rabbit]. Alfort. Ecole Nat. Vet. These 11,57 p. Ref. 1966. 41.2 AL23
- 37211 PACS, I. Winter care of rabbits. (Hu) Baromfitenyesztes 10(11):24-25. Nov. 1966. 47.8 B262
- 37212 ROUND table on rabbits—December 5. (It) G. Pollicolorti 15(1):43-50, 52-53, 56. Jan. 1965. 47.8 G43
- Rabbit raising in Italy, by C. L. Fracanzani; A scheme for planned production of meat rabbit, by A. Tardani; Commercialization of the rabbit, by R. Cis; Feeding the rabbit, by G. Bianchi.
- 37213 SOVARI-SCHNEIDER, S. Broiler type domestic rabbit. (Hu) Baromfitenyesztes 10(5):31. May 1966. 47.8 B262
- SHEEP AND GOATS
- Breeds and Breeding
- 37214 APARCIO SANCHEZ, G., and others. Differential study about one hybrid Ovis aries × O. capra. (Sp) Arch. Zootec. 15(59):211-229. Ref. July/Sept. 1966. 49 Ar22
- J. B. Aparicio Marcarro, D. Aparicio Ruiz, and A. Jover Moyano, joint authors. English summary.
- 37215 BAL'MONT, V. A. Increasing wool and mutton productivity of Semi-Fine-wooled sheep in Kazakhstan. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 7:76-83. July 1966. 20 V633
- English summary.
- 37216 BARBULESCU, I., and others. Utilization of synthetic polymers in the correction of viscosity of diluted semen of rams. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 23: 271-278. 1966. 49.9 R86L
- N. Vermesan, M. Paraschivescu, E. Slavescu, E. Moise, and P. Popovici, joint authors. English summary.
- 37217 BLANCO ESTEVE, F. Wool production in the F₁ generation of Texel-Mancha hybrid sheep, in Galicia's climate. (Sp) Spain. Patronato Biol. Anim. Rev. 10(2):37-98. Ref. Sept. 1966. 49.9 Sp16
- 37218 CIOLCA, N., RAICU, L., and OLAHUT, G. Results in the improvement of the Merino sheep breed of Transylvania hills. (Rum) Bucharest. Inst. Cercet. Lucrarile Stiint. 23:237-250. 1966. 49.9 R86L
- English summary.
- 37219 COCKREM, F., and RAE, A. L. Studies of face cover in the New Zealand Romney Marsh sheep. I-II. Australian J. Agr. Res. 17(6):967-987. Ref. Nov. 1966. 23 Au783
- I, The relationships between face cover, wool blindness, and productive characters, by F. Cockrem and A. L. Rae; II, The measurement of face cover and of factors associated with differences in face grades, by F. Cockrem.
- 37220 CORTEEL, J. M. Reproduction and artificial insemination of caprine species. (Fr) France. Min. Agr. Bull. Tech. Inform. 210:463-471. Ref. June 1966. 14 F844B
- 37221 DAHMEN, J. J. Some genetic and environmental factors affecting weaning weights of lambs. Diss. Abstr., Sect. B, 27(1):42B. July 1966. Z5055.U49D53
- 37222 DAVIES, H. L. The effect of selenium and Vitamin E on reproduction in Merino sheep in south-western Australia. Australian Inst. Agr. Sci. J. 32(3):216-217. Sept. 1966. 23 Au74
- 37223 DIMITROV, A. Pathomorphological changes in rams, affected with infectious epididymitis. (Bu) Vet. Med. Nauk. 3(8):865-871. Ref. 1966. 41.8 V646B
- English summary.
- 37224 DOLLING, C. H. S., and BROOKER, M. G. A viable hypochrichosis in Poll Dorset sheep. J. Hered. 57(3):86-90. Ref. May/June 1966. 442.8 Am3
- 37225 DUKELOW, W. R. Effects of extracted wheat germ oil in sheep and cattle. J. Reprod. Fertil. 11(3):465-467. Ref. June 1966. 442.8 J8222
- Effects on fertility.
- 37226 DZIALOSZYNSKI, L., MACIEJEWSKA, M., and WITOWSKA, B. Influence of crossbreeding of some sheep breeds on the level of cystine in wool. (Pol) Poznan, Wyzsza Szkola Roln. Roc. 22:55-62. Ref. 1965. 106.2 P872
- English summary.
- Kent, Polish Merino and Swintarka.
- 37227 EKIMENKO, O. A., and GRISHCHENKOV, E. M. The use of Mutton Merino rams in Belorussia. (Rus) Ovtsevodstvo 1:10-11. 1965. 45.8 Ov72
- For improving meat and wool production; includes adaptation.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 14:15-16. July 1965. Film S-205
- 37228 ERMEKOV, M. A., and SKOROBOGATOV, YU. A. Milk production and development of lambs of the new breed group of dual-purpose Kazakh Semi-Fine-wooled sheep. (Rus) Vest. Sel'khoz. Nauki [Alma-Ata] 12:48-54. 1964. 20 Ak16
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:19. Aug. 1965. Film S-205
- 37229 ERMEKOV, M. A., BETEMBAEVA, M. M., and SKOROBOGATOV, YU. A. Wool characteristics of the Chyuskii Semi-Fine-wooled sheep. (Rus) Vest. Sel'khoz. Nauki [Alma-Ata] 1:38-50. 1965. 20 Ak16
- Breeding for meat and wool production.
- Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:17-18. Aug. 1965. Film S-205
- 37230 FOLMAN, Y., VOLCANI, R., and EYAL, E. Mother-offspring relationships in Awassi sheep. I-III. J. Agr. Sci. [London] 67(3):359-376. Ref. Dec. 1966. 10 J822
- I, The effect of different suckling regimes and time of weaning on the lactation curve and milk yield in dairy flocks; II, Milk yields and weight gains of lambs in a mutton flock; III, The effect of different suckling regimes and weaning age on weight gains of lambs in dairy flocks; Israel.
- 37231 GAUDELLI, E. Relaunching the "fat-tailed" sheep. (It) Allevatore 22(21):3. May 22, 1966. 49 AL55
- The Campanian Barbary breed.
- 37232 GAVRILET, I., and others. Study of the heredity of wool production in Palas Merino sheep breed. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint. 24:353-364. Ref. 1966. 49.9 R86L
- C. Stefanescu, N. Ciolca, V. Alexoiu, and S. Marandici, joint authors. English summary.
- 37233 GEORGE, J. M., and TURNBULL, K. E. The effect of red clover pasture on the reproductive tract of ram lambs. Australian J. Agr. Res. 17(6):919-922. Nov. 1966. 23 Au783
- As source of estrogens.
- 37234 GHANI, A., and ISHAQ, S. M. Angora goat breeding in West Pakistan. Agr. Pakistan 16 (2):171-181. Ref. June 1965. 22 Ag832
- 37235 HAMMOND, H. S. Mating ewe hoggets in the South Island. New Zeal. J. Agr. 113(5):47, 49. Nov. 1966. 23 N48J
- 37236 JAKUBEC, V. The genetic aspects of selection in Fine-wooled sheep. (Cz) Zvesch. Min. Zemedel. Les. Hospodar. Ustav Vedeckech. Inform. Zivocisna Vyroba 39(6):609-618. Aug. 1966. 49.9 C33
- English summary.

- 37237 KOZANECKI, A. Some phenomena in fleece development of crossbred type sheep (halo-hair). (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4:125-131. 1965. 49.9 W26
English summary.
- 37238 KRAEMER, D. C. A study of in vitro fertilization and culture of ovine ova. Diss. Abstr., Sect. B, 27(1):285B-286B. July 1966. Z5055.U49D53
- 37239 MARTIN, L. C. A., and WALLACE, C. S. Impedance change frequency of diluted ram semen recorded on a digital scaler. J. Reprod. Fertil. 10(3):425-437. Ref. Dec. 1965. 442.8 J8222
- 37240 MAZZONI, R. East Friesian milk sheep. (It) Inform. Zootech. 13(22):951-953. Nov. 30, 1966. 49 In3
- 37241 MOCHNACS, M. The response of the Stavropol Merino sheep breed in Banat. (Rum) Bucharest. Inst. Cercet. Zootech. Lucrarile Stiint. 23: 251-270. Ref. 1966. 49.9 R86L
English summary.
Includes adaptation, breeding and wool production.
- 37242 MOULE, G. R., BRADEN, A. W. H., and MATTERN, P. E. Effects of season, nutrition, and hormone treatment on the fructose content of ram semen. Australian J. Agr. Res. 17(6):923-931. Ref. Nov. 1966. 23 Au783
Merino and Romney Marsh breeds.
- 37243 NAWARA, W., and others. Wstepna ocena trykow o welnie krzyzowkowej na podstawie badania wartosci uzytkowej potomstwa w owczarniach macierzystych z rok 1963. Preliminary evaluation of rams with crossbred wool on the basis of utility value investigations of the progeny in maternal sheep flocks in 1963. Krakow. Inst. Zootech. Wydawnictwa Wlasne 181,83 p. 1965. 49.9 K85W
M. Osikowski, S. Tecza, and I. Kluz, joint authors.
English summary.
- 37244 NAY, T. Wool follicle arrangement and vascular pattern in the Australian Merino. Australian J. Agr. Res. 17(5):797-805. Ref. Sept. 1966. 23 Au783
- 37245 NEWTON, J. E., and BETTS, J. E. Factors affecting litter-size in the Scotch Half-bred ewe. I. Treatment with PMS and progesterone. J. Reprod. Fertil. 12(1):167-175. Ref. Aug. 1966. 442.8 J8222
- 37246 NEW ZEALAND ROMNEY MARSH SHEEP BREEDERS' ASSOCIATION. Flock book, LXII. Hastings, 1966. 600 p. 45.9 N483
- 37247 NEW ZEALAND SHEEP BREEDERS' ASSOCIATION. New Zealand flock book. Vol. 62. Christchurch, 1966. 555 p. 45.9 N481
- 37248 OJEDA SAHAGUN, D. E., GARCIA, D. S., and RUIZ-POVEDA, D. J. Investigation on economic results in keeping Mancha sheep in permanent housing. (Sp) Spain. Patronato Biol. Anim. Rev. 10(2):5-27. Sept. 1966. 49.9 Sp16
Feeding for milk production and meat-lambs.
- 37249 OSHEA, T., and WALES, R. G. Metabolism of sorbitol and fructose by ram spermatozoa. J. Reprod. Fertil. 10(3):353-368. Ref. Dec. 1965. 442.8 J8222
- 37250 QUINN, P. J., WHITE, I. G., and WIRRIC, B. R. The effect of dilution on the concentration of sodium, potassium, calcium and magnesium in ram and bull spermatozoa. J. Reprod. Fertil. 12(1):131-138. Ref. Aug. 1966. 442.8 J8222
- 37251 ROBERTS, E. M., and BINDON, B. M. A study of the effect of long and short acting progestagens on anoestrous Merino and Romney ewes. J. Reprod. Fertil. 12(1):155-159. Aug. 1966. 442.8 J8222
- 37252 ROBERTS, E. M., and EDGAR, D. G. Timing of injection of pregnant mare's serum for the anoestrous breeding of ewes. Nature 212(5066): 1048. Dec. 3, 1966. 472 N21
- 37253 RONNINGEN, K. Progeny testing of bucks. (No) Sau Geit 18(5):138-139, 141. Nov. 1965. 45.8 Sa8
- 37254 RONNINGEN, K. Renewal of the goat population. (No) Sau Geit 19(6):168, 170-171. Dec. 1966. 45.8 Sa8
Breeding and farm management.
- 37255 RYGG, L. S. On the origin of the Dala sheep. (No) Sau Geit 18(5):136. Nov. 1965. 45.8 Sa8
- 37256 SHELTON, M., MORROW, J. T., and BUTLER, O. D. Reproductive efficiency of Fine-wool sheep. Tex. Agr. Exp. Sta. B-1050, 18 p. Ref. May 1966. 100 T318
- 37257 SKOCZYLAS, A., WOJCIKOWSKA-SOROCZYNSKA, M., and GUTMAN, K. Tippiess in the staples of crossbred wool. (Pol) Warsaw. Szkoła Główna Gosp. Wiejskiego. Zootech. 4: 111-118. Ref. 1965. 49.9 W26
English summary.
- 37258 STEFANESCU, C., and others. Best method of comparison of sheep progeny in ram tests. (Rum) Bucharest. Inst. Cercet. Zootech. Lucrarile Stiint. 24:341-352. Ref. 1966. 49.9 R86L
I. Gavrillet, N. Ciocla, S. Timariu, and V. Alexoiu, joint authors.
English summary.
- 37259 STEFANESCU, C., and others. Study on the raising and adaptation of the Merino-Landschaf sheep breed in conditions of premountain and mountain zones. (Rum) Bucharest. Inst. Cercet. Zootech. Lucrarile Stiint. 23:221-235. 1966. 49.9 R86L
V. Alexoiu, M. Rombu, C. Costachescu, and M. Costescu, joint authors.
English summary.
- 37260 TANEJA, G. C., FULADI, B. M., and ABICHANDANI, R. K. Differences in blood & serum characteristics of high & low potassium types of Marwari sheep. Indian J. Exp. Biol. 4 (2):125-126. Apr. 1966. 442.8 In2
- 37261 VERMESAN, N., PARASCHIVESCU, M., and SLAVESCU, E. Study on the prevention of cold shock in the dilution of the semen of rams. (Rum) Bucharest. Inst. Cercet. Zootech. Lucrarile Stiint. 23:279-287. Ref. 1966. 49.9 R86L
English summary.
- 37262 ZAKIROV, M. D. Effect of the age of Sur rams and ewes on lamb coloration. (Rus) Otvsevodstvo 12:20-22. 1964. 45.8 Ov72
Variety of Karakul sheep.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:14. Aug. 1965. Film S-205
- 37263 ZHILYAKOVA, V. S. The quality of Sur and Black Karakul varieties of fleece with different types of selection and feeding of pregnant ewes. (Rus) Vest. Sel'khoz. Nauki [Alma-Ata] 12:54-60. 1964. 20 Ak16
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 58, Zhivotnovod. Vet. 15:18. Aug. 1965. Film S-205

Feeds and Feeding

- 37264 ANWAR, C. M., AHMAD, S. I., and SCHNEIDER, B. H. Experiments on fattening sheep. VI. The effect of substitution of guar meal for cottonseed cake and the implantation of diethylstilbestrol. Agr. Pakistan 16(4):501-507. Ref. Dec. 1965. 22 Ag832
- 37265 ANWAR, C. M., AHMAD, S. I., and SCHNEIDER, B. H. Some sheep fattening experiments in Pakistan; the effect of substitution of guar meal for cottonseed cake and the implantation of diethylstilbestrol pellets. West Pakistan J. Agr. Res. 3(4):184-192. Ref. p. 190-192. Dec. 1965. 22 W52
- 37266 BAILE, C. A., and PFANDER, W. H. Ration density as a factor controlling food intake in ruminants. J. Dairy Sci. 50(1):77-80. Ref. Jan. 1967. 44.8 J822
Study on sheep.
- 37267 BURIN, V. I. Use of ammonium salts in sheep feeding. (Rus) Khim. Sel'skom Khoz. 4(10):48-50. Oct. 1966. 385 K524
- 37268 BUTEL, J. C. Turnips and swedes for winter feed. New Zeal. J. Agr. 113(5):57, 59. Nov. 1966. 23 N48J
For sheep feeding.

- 37269 COOP, I. E. Effect of flushing on reproductive performance of ewes. *J. Agr. Sci. [London]* 67 (3):305-323. Ref. Dec.1966. 10 J822 New Zealand.
- 37270 DOYLE, R. J. More sheep per acre; heavy rate set stocking—Esperance Downs Research Station. West. Australia. Dep. Agr. J. (ser.4) 7(10):458-462. Oct.1966. 23 W52J
- 37271 GIBB, J. Getting value for money when buying sheep feed. Queensland Agr. J. 92(10):598-602. Oct.1966. 23 Q33
- 37272 HUTCHINSON, K. J. A note on wool production responses to fodder conservation in pastoral systems. *Brit. Grassland Soc. J.* 21(4):303-304. Dec.1966. 60.19 B773
- 37273 LIGHTFOOT, R. J., and MCGARRY, W. L. More sheep per acre; stocking rates on light land—Wongan Hills Research Station. West. Australia. Dep. Agr. J. (ser.4) 7(10):432-434. 437-440. Oct.1966. 23 W52J
- 37274 MAKNEV, K., and DONEV, N. Effect of various types of sheep feeding on characteristics of their offspring. (Bu) *Vish Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):363-368. Ref. 1965. 106.3 P72 German summary. Effect on viability.
- 37275 MALIKIDES, E. S. Notes on livestock response to increased pasture improvement in the wheat-sheep and high rainfall zones of the sheep industry. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(3):128-133. July 1966. 281.9 Au73
- 37276 MANN, P. P., and others. More sheep per acre; stocking rate and rate of superphosphate in a higher rainfall area. West. Australia. Dep. Agr. J. (ser.4) 7(10):482-488. Oct.1966. 23 W52J
B. J. Goddard, R. N. Glencross, and E. N. Fitzpatrick, joint authors.
- 37277 MAZZONI, R. A pact between sheep raisers and vine growers. (It) *Inform. Zootec.* 13(19):809-810. Oct.15,1966. 49 In3
For providing vine fodder for the sheep, in France.
- 37278 MORAG, M. Influence of diet on the behaviour pattern of sheep. *Nature* 213(5071):110. Jan.7, 1967. 472 N21
- 37279 OPSTVEDT, J. Raising of kids. (No) *Sau Geit* 19(6):172-173,175. Dec.1966. 45.8 Sa8 Feeding.
- 37280 PARKIN, R. J. More sheep per acre; continuous grazing on rose clover at Northampton. West. Australia. Dep. Agr. J. (ser.4) 7(10):472-474. Oct.1966. 23 W52J
- 37281 PARKIN, R. J. More sheep per acre; rate of stocking/rate of fertiliser in the Chapman Valley. West. Australia. Dep. Agr. J. (ser.4) 7(10):464-466,468-470. Oct.1966. 23 W52J Chapman Research Station.
- 37282 PARKIN, R. J. More sheep per acre; stocking rates on Cyprus barrel medic in the Northern Wheatbelt. West. Australia. Dep. Agr. J. (ser.4) 7(10):476-479. Oct.1966. 23 W52J
- 37283 PINOT, R. The utilization of conserved forages in the feeding of sheep. (Fr) *Rev. Elevage* 21 (spec.no.40):147-148,151-152. 1966. 49 B462 Housed sheep fed hay, silage and some concentrates.
- 37284 RONNINGEN, K. Feed rations for herds in goat testing associations. (No) *Sau Geit* 19(5):142. Nov.1966. 45.8 Sa8
- 37285 SEDLAK, V. Introduction of sheep husbandry on farms in the corn producing regions. (Cz) *Pol'nohospodarstvo* 12(10):782-793. Ref. 1966. 19.5 P752 English summary. Chiefly feeding.
- 37286 SPEDDING, C. R. W. Sheep grazing systems. Great Brit. Min. Agr. Fish. Food. Agr. 73(9):416-419. Sept.1966. 10 C79J
- 37287 TORTORELLI, N. Raising of early weaned lambs. (It) *Inform. Zootec.* 13(18):741. Sept.30,1966. 49 In3 Chiefly feeding.
- 37288 TURNBULL, K. E., BRADEN, A. W. H., and GEORGE, J. M. Fertilization and early embryonic losses in ewes that had grazed oestrogenic pastures for 6 years. *Australian J. Agr. Res.* 17(6):907-917. Ref. Nov.1966. 23 Au783 Red.lover.
- 37289 VAN DYNE, G. M., and WEIR, W. C. Comparison of microdigestion techniques under range and drylot conditions. *J. Agr. Sci. [London]* 67(3):381-387. Ref. Dec.1966. 10 J822 Sheep and steers in California.
- 37290 WESTON, R. H. The effect of level of feeding on acetate tolerance in the sheep. *Australian J. Agr. Res.* 17(6):933-937. Nov.1966. 23 Au783
- 37291 WESTON, R. H. Factors limiting the intake of feed by sheep. I. The significance of palatability, the capacity of the alimentary tract to handle digesta, and the supply of glucogenic substrate. *Australian J. Agr. Res.* 17(6):939-954. Ref. Nov.1966. 23 Au783
- 37292 WHITE, L. D., LIGHTFOOT, R. J., and GLEN-CROSS, R. N. More sheep per acre; the Avon-dale [Research Station] stocking rate experiment. West. Australia. Dep. Agr. J. (ser.4) 7(10):442-444,447-450,453-455. Oct.1966. 23 W52J
- 37293 WILSON, D. B., CLARK, R. D., and DUBETZ, S. Effects of nitrogen fertilizer on herbage yields and sheep production on irrigated pasture, and a comparison of methods of yield assessment. *Can. J. Plant Sci.* 46(4):433-439. Ref. July 1966. 450 C16
- Veterinary Medicine
- 37294 ANDREWS, E. D., and others. The effects of large doses of soluble and insoluble forms of cobalt given at monthly intervals on cobalt deficiency disease in lambs. *New Zeal. Vet. J.* 14(11):191-196. Ref. Nov.1966. 41.8 N483
B. J. Stephenson, C. E. Isaacs, and R. H. Register, joint authors.
- 37295 ARCAY-DE-PERAZA, L. The use of *Sarcocystis tenella* spores in a new agglutination test for sarcosporidiosis. *Roy. Soc. Trop. Med Hyg. Trans.* 60(6):761-765. 1966. 448.9 R813 Isolated from sheep.
- 37296 BEREHOIU, G. V., and JURUBESCU, V. The motility of digestive tract in sheep. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 24:373-396. Ref. 1966. 49.9 R86L English summary.
- 37297 BEREHOIU, G. V. Normal motility of the cecum of sheep and its role in the digestion. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 23:317-334. Ref. 1966. 49.9 R86L English summary.
- 37298 BEREK, MRS. G. How much the skin surface is augmented by wrinkledness. (Hu) *Allattenyesztes* 15(4):349-354. Dec.1966. 49 AL57 English summary.
In relation to wool production of sheep.
- 37299 BITAKAMIRE, P. K. Studies on immunity to Haemonchus contortus infection, the elimination of a challenge infection by immune sheep. *Parasitology* 56(4):619-622. Nov.1966. 448.8 P21
- 37300 BURNELL, R. E. Footrot in sheep can be eradicated. *New Zeal. J. Agr.* 113(4):22-25,27. Oct.1966. 23 N48J
- 37301 CAKALA, S., and JUSKO-GRUNDBOECK, J. The effect of high ambient temperature on serum proteins in goats. (Pol) *Acta Physiol. Polon.* 16(5):763-770. Ref. 1965. 444.8 Ac8 English summary.
- 37302 COOPER, B. S. Protection of lambs against tetanus. *New Zeal. Vet. J.* 14(11):186-190. Nov.1966. 41.8 N483
- 37303 CROWLEY, J. P. Grass tetany in non-lactating ewes associated with flushing. *Irish Vet. J. (n.s.)* 20(12):222-225. Ref. Dec.1966. 41.8 Ir4

- 37304 CZERKAWSKI, J. W. The effect on digestion in the rumen of a gradual increase in the content of fatty acids in the diet of sheep. *Brit. J. Nutr.* 20(4):833-842. Ref. 1966. 389.8 B773
- 37305 DINEEN, J. K., and WAGLAND, B. M. The dynamics of the host parasite relationship. IV-V. *Parasitology* 56(4):639-650, 665-677. Ref. Nov. 1966. 448.8 P21
In sheep infected with *Haemonchus contortus*.
- 37306 DOBSON, C. Precipitating antibodies in extracts from the mucosa and tunica muscularis of the alimentary tract of sheep infected with *Oesophagostomum columbianum*. *J. Parasitol.* 52(5):1037-1038. Oct. 1966. 448.8 J824
- 37307 DOBSON, C. Studies on the immunity of sheep to *Oesophagostomum columbianum*: the nature and fate of the globule leucocyte. *Australian J. Agr. Res.* 17(6):955-966. Ref. Nov. 1966. 23 Au783
- 37308 DONEV, N. Relation between age and lactation in sheep. (Bu) *Vishv Selskostonpanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):369-374. Ref. 1965. 106.3 P72
German summary.
- 37309 EDEY, T. N. Nutritional stress and pre-implantation embryonic mortality in Merino sheep. *J. Agr. Sci. [London]* 67(3):287-293. Ref. Dec. 1966. 10 J822
Australian Merinos.
- 37310 EGAN, D. A. Results of a field trial on the use of synco-mate for controlled breeding in sheep. *Irish Vet. J. (n.s.)* 20(12):229-231. Dec. 1966. 41.8 Ir4
Acetoxy-9 alpha-fluoro-11 B hydroxy-4-pregnene-3, 20 dione, 17 alpha-.
- 37311 FERREIRA, H. G., and others. Observations on the potential across the rumen of the sheep. *J. Physiol.* 187(3):615-630. Ref. Dec. 1966. 447.8 J82
F. A. Harrison, R. D. Keynes, and A. H. Nauss, joint authors.
- 37312 FERREIRA, H. G., HARRISON, F. A., and KEYNES, R. D. The potential and short-circuit current across isolated rumen epithelium of the sheep. *J. Physiol.* 187(3):631-644. Ref. Dec. 1966. 447.8 J82
- 37313 FETISOV, V. I. Methods of administering anthelmintics to sheep with lancet fluke infestation. (Rus) *Veterinariya* 9:44-46. Sept. 1966. 41.8 V6426
- 37314 FITZSIMMONS, W. M. Amprolium as a coccidiostat for goats. *Vet. Rec.* 80(1):24-26. Jan. 7, 1967. 41.8 V641
- 37315 GLIMP, H. A. The effect of jackbean urease injections on performance, antiurease production and plasma ammonia and urea levels in sheep and swine. *Diss. Abstr.*, Sect. B, 27(1): 8B-9B. July 1966. Z5055.U49D53
Lambs.
- 37316 GOODRICH, R. D. Interrelationships of copper, sulfur, and nitrogen in ruminants. *Diss. Abstr.*, Sect. B, 27(1):9B. July 1966. Z5055.U49D53
Lambs.
- 37317 HALL, J. G., and others. The ultrastructure and function of the cells in lymph following antigenic stimulation. *J. Exp. Med.* 125(1):91-109. Ref. Jan. 1, 1967. 448.8 J822
B. Morris, G. D. Moreno, and M. C. Bessis, joint authors.
Studied in sheep.
- 37318 HERLICH, H. Immunity to *Trichostrongylus colubriformis* in guinea pigs and lambs. *J. Parasitol.* 52(5):871-874. Ref. Oct. 1966. 448.8 J824
- 37319 HORE, D. E., and STEVENSON, R. G. Experimental virus pneumonia in lambs. *Vet. Rec.* 80(1):26-27. Jan. 7, 1967. 41.8 V641
- 37320 JONSSON, G. Silage and listeriosis. (Sw) *Farskotsel* 46(5):202-204. June 1966. 45.9 Sv2
Sheep; includes possible contamination of silage.
- 37321 JOYNER, L. P., and others. The species of coccidia occurring in cattle and sheep in the South-West of England. *Parasitology* 56(3): 531-541. Ref. Aug. 1966. 448.8 P21
C. C. Norton, S. F. M. Davies, and C. V. Watkins, joint authors.
Eimeria.
- 37322 KAMYSZEK, F., and NOWACZYK, W. Fungal skin infections in sheep. (Pol) *Med. Weter.* 22(10):588-590. Oct. 1966. 41.8 M463
Ringworm.
- 37323 L'ESTRANGE, J. L., and AXFORD, R. F. E. Mineral balance studies on lactating ewes with particular reference to the metabolism of magnesium. *J. Agr. Sci. [London]* 67(3):295-304. Ref. Dec. 1966. 10 J822
- 37324 LI, C. F., and K'UNG, F. Y. Some trichostrongylid nematodes from Tibetan sheep and a description of a new species. (Ch) *Acta Parasitologica Sinica* 2(2):133-138. 1965. Not in Libr.
Abstracted in U. S. Joint Publ. Res. Serv. [Transl.] *Communist Chin. Sci. Abstr. Bio-Med. Sci.* 50:23. Mar. 9, 1966. (JPRS 34,467; TT 66-30907) 241.7 Un34C
Issued by CFSTI.
- 37325 MANN, J. G., and BODA, J. M. The influence of age of lambs on the ketogenicity of butyrate and tolerance to exogenous glucose in vivo. *J. Agr. Sci. [London]* 67(3):377-380. Ref. Dec. 1966. 10 J822
- 37326 MARTIN, A. K. Metabolism of benzoic acid by sheep. *J. Sci. Food Agr.* 17(11):496-500. Ref. Nov. 1966. 382 So12
- 37327 MCLAUCHLAN, G. Farmers co-operating in survey of salmonellosis. *New Zeal. J. Agr.* 113(4):85, 87. Oct. 1966. 23 N48J
Control in sheep.
- 37328 MILLINGTON, A. J., FRANCIS, C. M., and DAVIES, H. L. Isoflavone mutations in subterranean clover. II. Assessment of oestrogenic activity by ewe bioassay. *Australian J. Agr. Res.* 17(6):901-906. Ref. Nov. 1966. 23 Au783
- 37329 MILLS, C. F., DALGARNO, A. C., and WILLIAMS, R. B. Monomine oxidase in ovine plasma of normal and low copper content. *Biochem. Biophys. Res. Commun.* 24(4):537-540. Aug. 23, 1966. 442.8 B5236
- 37330 MINSON, D. J. The apparent retention of food in the reticulo-rumen at two levels of feeding by means of an hourly feeding technique. *Brit. J. Nutr.* 20(4):765-773. Ref. 1966. 389.8 B773
Sheep.
- 37331 MINSON, D. J., and COWPER, J. L. Diurnal variations in the excretion of faeces and urine by sheep fed once daily or at hourly intervals. *Brit. J. Nutr.* 20(4):757-764. 1966. 389.8 B773
- 37332 MORAILLON, P., and YALCIN, Y. Euthyma (or canker) of lambs and sheep. (Fr) *Patte* 128:35. Nov. 1965. 45.8 P272
- 37333 OGRYZKOV, S. E., AMSHOKOV, K. M., and EMELYANOVA, M. V. Pathological and histological changes in young goats with white muscle disease. (Rus) *Veterinariya* 9:64-65. Sept. 1966. 41.8 V6426
- 37334 O'NEAL, R. M., KOEPPPE, R. E., and WILLIAMS, E. L. Utilization in vivo of glucose and volatile fatty acids by sheep brain for the synthesis of acidic amino acids. *Biochem. J.* 101(3):591-597. Ref. Dec. 1966. 382 B52
- 37335 OTEL, V., HARSIAN, A., and PARASCHIVESCU, M. Tests with the synchronization of estrus in sheep in the autumn. (Rum) *Bucharest. Inst. Cercet. Zootec. Lucrarile Stiint.* 24:365-372. 1966. 49.9 R86L
English summary.
With progesterone and gonadotropins.
- 37336 PATTISON, I. H., and JONES, K. M. The possible nature of the transmissible agent of scrapie. *Vet. Rec.* 80(1):2-9. Ref. Jan. 7, 1967. 41.8 V641
Chiefly in goats.
- 37337 PAVLOV, N. I. Using chlorofors for control of lancet fluke infestation in sheep. (Rus) *Veterinariya* 9:46-47. Sept. 1966. 41.8 V6426

- 37338 PULSFORD, M. F. Entero-toxaemia of sheep and lambs. S. Australia J. Agr. 70(3):89-95. Oct.1966. 23 So84
Chiefly immunization.
- 37339 QUIN, G. T. A close look may show that lamb docking can be made easier. New Zeal. J. Agr. 113(1):55. July 1966. 23 N48J
- 37340 REZNIK, G. K. Histological changes due to hexachloroparaxylene in border systems of trematodes parasitizing the liver. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(4):425-427. July/Aug.1966. 448.8 M469
English summary.
- 37341 ROMAN, C. Motor command of the esophagus during rumination. (Fr) Paris. Soc. Biol. Compt. Rend. 160(3):603-606. 1966. 442.9 P21
In sheep.
- 37342 RONNINGEN, K. Longevity and causes for culling of goats in herds with varying milk yields. (No) Sau Gett 19(5):138-139. Nov. 1966. 45.8 Sa8
- 37343 RUCKEBUSCH, Y., and LAPLACE, J. P. Experimental release of rumination. (Fr) Paris. Soc. Biol. Compt. Rend. 160(1):112-117. 1966. 442.9 P21
In sheep with injections of serotonin and adrenalin.
- 37344 SKYRME, H. P. There is more to lambing ewes than meets the eye. New Zeal. J. Agr. 112(6):16-17, 19. June 1966. 23 N48J
- 37345 SMITH, B. Should lambs be drenched before weaning? New Zeal. J. Agr. 112(6):63, 65. June 1966. 23 N48J
For parasite control.
- 37346 TALLIS, G. M., and LEYTON, M. A stochastic approach to the study of parasite populations. J. Theor. Biol. 13:251-260. Dec.1966. 442.8 J8223
Sheep verminosis.
- 37347 THOMPSON, V. Agricultural and veterinary pharmacy: vaccines, antisera and sheep diseases. Pharm. J. 197(5380):603-606. Dec.10. 1966. 396.8 P49
- 37348 TOROPKIN, A. A., and PANASYUK, D. I. Effectiveness of chlorofos and sodium cinnamate in controlling lancet fluke infestation in sheep. (Rus) Veterinariya 9:47-48. Sept.1966. 41.8 V6426
- 37349 TRITZ, G. J., and OGG, J. E. Growth and nutritional requirements of two serotypes of ovine *Vibrio* fetus. Amer. J. Vet. Res. 28(122):115-122. Ref. Jan.1967. 41.8 Am3A
- 37350 TRITZ, G. J., and OGG, J. E. Physical and chemical conditions inducing the coccid form of ovine *Vibrio* fetus. Amer. J. Vet. Res. 28(122):123-129. Ref. Jan.1967. 41.8 Am3A
In various culture media.
- 37351 WEST, C. E., and PASSEY, R. F. Effect of glucose load and of insulin on the metabolism of glucose and of palmitate in sheep. Biochem. J. 102(1):58-64. Ref. Jan.1967. 382 B52
- 37352 WHITE, W. E. Footrot in sheep. J. Agr. [Melbourne] 64(11):499-503. Nov.1966. 23 V66J
- 37353 YOUNG, V. R., LOFGREEN, G. P., and LUICK, J. R. The effects of phosphorus depletion, and of calcium and phosphorus intake, on the endogenous excretion of these elements by sheep. Brit. J. Nutr. 20(4):795-805. Ref. 1966. 389.8 B773
- 37354 YOUNG, V. R., and others. Phosphorus depletion in sheep and the ratio of calcium to phosphorus in the diet with reference to calcium and phosphorus absorption. Brit. J. Nutr. 20(4):783-794. Ref. 1966. 389.8 B773
W. P. C. Richards, G. P. Lofgreen, and J. R. Luick, joint authors.

Miscellaneous

- 37355 AILBL, P. Untersuchungen an Fettschwanzschafen bei natürlicher Haltungweise in Südwestafrika; ein Beitrag zur Ethologie der Gattung *Ovis* [Investigations on Fat-tailed sheep kept on open range in South-West Africa; a contribution to the ethology of the genus *Ovis*]. Giessen. Justus-Liebig-Universität. Veterinarmed. Fak. [Inaug.-Diss.] 1,81 p. Ref. 1966. 41.2 G2642
English summary.
- 37356 BERNY, F. Reflections on the techniques of sheep production. (Fr) Patre 135:15-17, 19, 21. July 1966. 45.8 P272
Farm management and care.
- 37357 FREGEAT, J. After the show of lamb carcasses in the slaughterhouse of Rignac. (Fr) Rev. Elevage 21(10):119-120, 123, 125. Oct.1966. 49 B462
- 37358 GRUSZECKI, S., and STRAWA, L. Increasing slaughter sheep production. (Pol) Gosp. Miesna 18(8/9):36-38. Aug./Sept.1966. 50.8 G69
- 37359 GUEGAN, A. Elevage et commercialisation du mouton en Bretagne [Raising and commercialization of sheep in Brittany]. Alfort. Ecole Nat. Vet. These 64,98 p. Ref. 1966. 41.2 AL23
- 37360 HASNIE, R. K. Sheep husbandry in Australia and Pakistan. Agr. Pakistan 16(4):535-545. Dec.1965. 22 Ag832
- 37361 JEAN-CHARLES, M. Considerations sur l'élevage de la chèvre en Haïti [Considerations on raising of goats in Haiti]. Alfort. Ecole Nat. Vet. These 56,76 p. Ref. 1965. 41.2 AL23
Especially for milk production.
- 37362 KEYSER, W. A carpet wool improvement program for West Pakistan. Agr. Pakistan 16(3):341-352. Sept.1965. 22 Ag832
Wool production.
- 37363 MOURRIERAS, J. Le cheptel ovin français à la fin du XVIII siècle [French sheep herds at the end of the XVIII century]. Alfort. Ecole Nat. Vet. These 19,59 p., map. Ref. 1966. 41.2 AL23
- 37364 RIEGER, D. Migratory sheep-keeping in southern Germany. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 44(3):493-517, map. Ref., p.515-517. 1966. 18 G31
English summary.
- 37365 WAHID, A. Goat raising in Pakistan. Agr. Pakistan 16(4):509-534. Dec.1965. 22 Ag832

SWINE

Breeds and Breeding

- 37366 BLENDL, H. M. Carving results in the testing of meat production in swine. (Ge) Bayer. Landwirt. Jahrbuch 42(8):941-955. Ref. 1965. 38 L24
Carcass composition of four breeds and crosses.
- 37367 ELM, F. Better utilization of breeding results in practical swine husbandry. (Da) Landbrønt 21(1):3-6. Jan.1967. 11 L2322
- 37368 ERIKSSON, B. Production of quality pork. (Sw) Jord—Groda—Djur 23:55-67. 1966. 11 J763
Chiefly on the effects of breeding and feeding.
- 37369 FEREDean, T., ARVANITOPOL, N., and BARBULESCU, I. Sanitary collecting and processing of the semen of boars. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stint. 24:303-320. Ref. 1966. 49.9 R86L
English summary.
- 37370 FEREDean, T., TATOMIR, I., and CALINESCU, E. Study of the artificial insemination of swine. (Rum) Bucharest. Inst. Cercet. Zootec. Lucrarile Stint. 24:321-330. Ref. 1966. 49.9 R86L
English summary.

- 37371 FEREDean, T., STOICEA, M., and GACI, N. Study of a milk dilution medium for the preservation of the semen of boars. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23: 31-44. Ref. 1966. 49.9 R86L
English summary.
- 37372 HEANEY, I. Testing your pigs. Farmers' J. (n.s.)5(4):36-37. Nov.1,1965. 10 F2234
Boars.
- 37373 JOCHLE, W., and SCHILLING, E. Improvement of conception rate and diagnosis of pregnancy in sows by an androgen-oestrogen-depot preparation. J. Reprod. Fert. 10(3):439-440. Dec. 1965. 442.8 J8222
- 37374 MCINTOSH, J. E. A., and BOURSNEILL, J. C. Studies on boar seminal plasma proteins. VI. Biochim. Biophys. Acta 130(1):252-254. Ref. Nov.29,1966. 381 B522
- 37375 NATIONAL PIG BREEDERS' ASSOCIATION. Herd book, 1966, containing entries of Large White pigs. Volume 82. Watford, Herts, 1966. 659 p. 46.9 N21H
- 37376 PLASEK, Z. Wyniki oceny uzytkowosci rozpowodow loch objetych kontrol w roku. Estimation results of reproductive utility of sows controlled in 1964. Krakow, Inst. Zootech. Wydawnictwa Wlasne 191,67 p. 1965. 49.9 K85W
- 37377 POPOVICI, F., and others. Results of tests of the main breeds of swine in Rumania by their progeny. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:279-289. 1966. 49.9 R86L
A. Radu, V. Nedelnicu, and G. Paraschivescu, joint authors.
English summary.
- 37378 QUITTET, E. Should one do away with pure breeds? (Fr) Rev. Elevage 21(10):23-24. Oct.1966. 49 B462
Of swine.
- 37379 RADU, A., and others. The effect of commercial crossing of the Large White, Mangalitsa and Bazna swine breeds with the Landrace swine breed on the duration of fattening and the carcass qualities of hybrids. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23: 19-29. Ref. 1966. 49.9 R86L
F. Popovici, E. Harsian, M. Davidov, I. Hagea and I. Petcu, joint authors.
English summary.
- 37380 RATAJSZCZAK, M., and SKRZYPSKI, M. The influence of the age of Large White gilts at the first successful mating on the number and weight of piglets in their first and second litters. (Pol) Poznan. Wyzsza Szkola Roln. Roczn. 22:143-153. 1965. 106.2 P872
English summary.
- 37381 TACU, A., VERMESAN, N., and ROSCA, N. Growth of the muscle fiber and dynamics of various components of meat during the fattening of swine. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:75-112. Ref. 1966. 49.9 R86L
English summary.
In hybrids.
- 37382 VANGELOV, K. Effect of various swine stall types on the performance of breeding sows and the weight development of the piglet. (Bu) Zhivotnovudni Nauk. 2(6):841-854. Ref. 1965. 49 Z65
German summary.
- 37383 VARO, M. News about swine breeding. (Sw) Tidskr. Lantman Andelsfolk 6:4-6. Mar.31, 1966. 20 T43
Finland.
- Feeds and Feeding
- 37384 ABERCROMBIE, A. Taking the bought-in to bacon. Farmers' J. (n.s.)5(11):30-31. June 1966. 10 F2234
Feedlot feeding in Northern Ireland.
- 37385 BURGSTALLER, G., and KIRCHGEISSNER, M. Root crop feeding on the farm. (Ge) Bayer. Landwirt. Jahrbuch 42(8):982-987. 1965. 18 L24
Swine gains on potatoes.
- 37386 BURGSTALLER, G., and KIRCHGEISSNER, M. Swine fattening on grain in the Bavarian producer rings. (Ge) Bayer. Landwirt. Jahrbuch 42(8):988-991. Ref. 1965. 18 L24
- 37387 CADANTU, L., and others. Preparation and utilization of synthetic milk for feeding baby pigs. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:255-277. Ref. 1966. 49.9 R86L
E. Palamaru, N. Rosca, and L. Beris, joint authors.
English summary.
- 37388 CARRAZZONI, J. A., DORSI, J., and SONVICO, V. Diferentes niveles nutricionales para cerdos en engorde, en confinamiento y a campo [Different nutritional levels for fattening pigs, in confinement and on pasture]. Rev. Invest. Agropecuar. Ser. I, Biol. Prod. Anim. 3(3):41-68. Ref. 1966. 49 R329
English summary.
Argentine raising.
- 37389 CURTO, G. M. Swine and vitamins. (It) Riv. Zootec. 39(10):519-525. Oct.1966. 49 R52
- 37390 DUKELOW, W. R. Effects of extracted wheat germ oil in swine. J. Reprod. Fert. 10(3):441-442. Dec.1965. 442.8 J8222
Feed supplement during pregnancy.
- 37391 FENDER, M., KIRSCH, W., and GMEIN, W. Swine fattening investigation with linear programmed all-concentrate feed compared with an all-concentrate feed according to the DLG standard. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(5):282-289. Sept.1966. 389.78 Z3
English summary.
- 37392 GEORGIEV, I., SYAROV, I., and BEREMSKI, S. Meat fattening of crossings of Bulgarian White swine and Landrace with higher corn quantity in the feed ration. (Bu) Zhivotnovudni Nauk. 3(3):355-361. 1966. 49 Z65
German summary.
- 37393 GEURIN, H. B. Full vs. limit feeding of finishing hogs. Feedstuffs 38(49):20-22,24. Dec.10, 1966. 286.81 F322
- 37394 GLIGOR, V., and others. The effect of rations rich with corn on the production of meat for bacon of the Landrace swine breed. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:5-18. 1966. 49.9 R86L
F. Popovici, I. Iordanescu, and E. Harsian, joint authors.
English summary.
- 37395 HEANEY, I. Lower food conversion means higher profit. Farmers' J. (n.s.)5(11):32. June 1966. 10 F2234
Effects of feeding on meat production in swine in Northern Ireland.
- 37396 HENRY, Y. Relation between weaning and later performance in the swine. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:401-414. Ref. May 1966. 14 F844B
Growth and carcass composition.
- 37397 HOLUB, A. Effect of early weaning on nutrients consumption and weight gains of piglets in the second month of life. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocinsna Vyroba 39(8):587-594. Ref. Aug.1966. 49.9 C33
English summary.
- 37398 HORNOIU, M., and others. Complex evaluation of the nutritive value of meals of animal origin in the nutrition of swine and poultry. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:203-219. Ref. 1966. 49.9 R86L
V. Nedelnicu, I. Feredean, E. Petrache, and J. Stav, joint authors.
English summary.
Includes meat meal, blood meal and fishmeal.
- 37399 HORNOIU, M., and others. Study of the effect of broadbeans in the feed for swine and poultry. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:167-184. 1966. 49.9 R86L
L. Cadantu, L. Lusan, A. Nictin, M. Davidov, L. Balogh, I. Stamotolu, and F. Saghin, joint authors.
English summary.
Chiefly effect on the weight.

- 37400 HUSSAR, N. Physical aspects of non-ruminant nutrition. Diss. Abstr., Sect. B, 27(5):1344B. Nov.1966. Z5055.U49D53 Swine.
- 37401 HYPPOLA, K. Swine feeding now. (Sw) Tidsskr. Lantman Andelsfolk 6:13-14,16. Mar.31, 1966. 20 T43
- 37402 JOUANDET, C. Vitamins and auxiliary substances in the rations of baby pigs. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:375-390. May 1966. 14 F844B
- 37403 KRAUTFORST, W., and KOZŁOWSKI, M. The influence of fodder oxytetracycline on the growth of piglets retarded in their development. (Pol) Med. Weter. 22(10):616-618. Oct.1966. 41.8 M463 English summary.
- 37404 LAITNEROVA, N. Influence of proteolytic preparations supplementation in the fattening of pigs. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(8):595-600. Ref. Aug.1966. 49.9 C33 English summary.
- 37405 LODGE, G. A., ELSLEY, F. W. H., and MACPHERSON, R. M. The effects of level of feeding of sows during pregnancy. II. Changes in body weight. Anim. Prod. 8(3):499-506. Ref. Oct.1966. 49 An55
- 37406 LONG, J. R. Relationship of free plasma amino acid levels to dietary protein in swine. Diss. Abstr., Sect. B, 27(1):10B. July 1966. Z5055.U49D53
- 37407 MAEDE, R. J. Research on the composition of starter feeds for baby pigs. (Ge) Muhle 103 (44):723-726,729. Nov.3,1966. 298.8 M89
- 37408 OWEN, B. D. Formulations of rations for pigs. 3. Mineral and vitamin requirements, antibiotics. Hog Prod. 3(1):8-11. Jan.1967. 46.8 H675
- 37409 PALAMARU, E., and others. Complex evaluation of the nutritive value of barley in swine nutrition. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:149-165. 1966. 49.9 R86L C. Petrescu, F. Popescu, N. Geaman, E. Petrace, F. Saghin, and I. Feredean, joint authors. English summary.
- 37410 PALAMARU, E., and others. The effectiveness of concentrated feed rations based on essential amino acids in swine feeding. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:219-239. Ref. 1966. 49.9 R86L M. Gondos, M. Sirbu, C. Petrescu, E. Harsian, I. Hagea, S. Romanovschi, M. Stoicesa, and V. Borcescu, joint authors. English summary.
- 37411 PALAMARU, E., and others. The effectiveness of feed yeasts in the nutrition of baby pigs and chicks. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 23:185-201. Ref. 1966. 49.9 R86L M. Gondos, N. Geaman, M. Sirbu, R. Petrovsky, S. Romanovschi, I. Hagea, C. Covaliu, M. Erdei, V. Maxim, and J. Stavri, joint authors. English summary.
- 37412 PEZACKI, W., and JAROSZEWSKI, Z. An attempt at objective appraisal of the pre-slaughter state of nutrition in pigs. (Pol) Med. Weter. 22(11):664-670. Nov.1966. 41.8 M463 English summary. To obtain check-points of the state of digestion before slaughter.
- 37413 PICKETT, R. A. Opaque-2 corn in swine nutrition. High Lysine Corn Conf. Proc. 1966:19-22. QK866.M3H5 Discussion, p.26-29.
- 37414 PLATKANOV, N., and others. Comparative investigations on the half-sugar and sugar beets as feed for fattening swine and dairy cattle. (Bu) Zhivotnovudni Nauk. 3(3):297-320. Ref. 1966. 49 Z65 N. Dimitrov, S. Kanev, A. Gerov, and A. Andreev, joint authors. German summary.
- 37415 ROLLER, W. L. Paste feeding of pigs—is it practical? Merck Agr. Memo 37:1-2. Nov. 1966. 41.8 M53
- 37416 ROUX, A. The livestock feeding industry is questioned about meat production. (Fr) Rev. Elevage 21(10):61-62,65,67,69. Oct.1966. 49 B462 Swine.
- 37417 ROUX, B., and COULOMB, P. Importance of weaning conditions in the economy and organization of farms for swine production. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:429-436. May 1966. 14 F844B
- 37418 SALMON-LEGAGNEUR, E. Rations for baby pigs weaning. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:361-374. May 1966. 14 F844B
- 37419 SCHMITT, G. Three years of feeding tests in Central Franconia. (Ge) Bayer. Landwirt. Jahrbuch 43(4):475-483. 1966. 18 L24 With swine.
- 37420 SCHULMAN, F. Breeder sow on pasture. (Sw) Tidsskr. Lantman Andelsfolk 6:7-8. Mar.31, 1966. 20 T43 Finland.
- 37421 STAROVEROV, N. A., and KOMISSARENKO, M. A. Use of phosphates with increased content of residual fluorine in swine feeding. (Rus) Khim. Sel'skom Khoz. 4(10):50-53. Oct. 1966. 385 K524
- 37422 STRINGER, W. L. Intelligent production of pig meat. New Zeal. J. Agr. 113(5):42-43,45. Nov.1966. 23 N48J Chiefly effects of feeding.
- 37423 TANEV, V. Results of various methods of feeding baby pigs with concentrated mixtures. (Bu) Vissr Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):353-362. Ref. 1965. 106.3 P72 German summary. Effect on weight gain.
- 37424 TESTER, J. With pigs the teat order matters, so devil take the hindmost. Mod. Farmer 4(6):27. Nov./Dec.1966. 10 M723
- 37425 TRIBBLE, L. F., and MCFATE, K. L. Limited feeding of finishing swine. Mo. Agr. Exp. Sta. Res. Bull. 882,20 p. Mar.1965. 100 M693
- 37426 UBALDI, L. On the subject of swine raising. (It) Inform. Zootech. 13(19):811-812. Oct.15, 1966. 49 In3 Feeding.
- 37427 URBANYI, L., BEREK, G., and LAKATOS, T. Copper sulfate rationing for pigs. (Hu) Allattenyesztes 15(4):333-340. Ref. Dec.1966. 49 AL57 English summary.
- 37428 WOHLBIER, W., and others. Vitamin E administration to fattening swine. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(5):270-273. Sept.1966. 389.78 Z3 H. Friesecke, H. Giessler, and G. Gronbach, joint authors. English summary.

Veterinary Medicine

- 37429 AUMAITRE, A. Physiological principles of baby pigs weaning. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:345-359. Ref. May 1966. 14 F844B
- 37430 BANNISTER, G. L., and others. African swine fever. I. Antiserum production. Can. J. Comp. Med. Vet. Sci. 31(1):2-6. Ref. Jan.1967. 41.8 C162 D. P. Gray, P. Boulanger, and N. G. Willis, joint authors.
- 37431 BESANCON, P., GUEGUEN, L., and RERAT, A. Change and speed of calcium incorporation in the skeleton of swine during growth. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(16):1134-1137. Oct.17,1966. 505 P21
- 37432 BOENKER, D. E. The problem of gastric ulcers in swine. Feedstuffs 39(1):41-42,46-49. Ref., p.48-49. Jan.7,1967. 286.81 F322

- 37433 BOULANGER, P., and others. African swine fever. II. Detection of the virus in swine tissues by means of the modified direct complement-fixation test. *Can. J. Comp. Med. Vet. Sci.* 31(1):7-11. Ref. Jan. 1967. 41.8 C162
G. L. Bannister, D. P. Gray, G. M. Ruckerbauer, and N. G. Willis, joint authors.
- 37434 BOULANGER, P., and others. African swine fever. III. The use of the agar double-diffusion precipitation test for the detection of the virus in swine tissue. *Can. J. Comp. Med. Vet. Sci.* 31(1):12-15. Jan. 1967. 41.8 C162
G. L. Bannister, D. P. Gray, G. M. Ruckerbauer, and N. G. Willis, joint authors.
- 37435 BOULANGER, P., and others. African swine fever. IV. Demonstration of the viral antigen by means of immunofluorescence. *Can. J. Comp. Med. Vet. Sci.* 31(1):16-23. Ref. Jan. 1967. 41.8 C162
G. L. Bannister, A. S. Grieg, D. P. Gray, G. M. Ruckerbauer, and N. G. Willis, joint authors.
- 37436 BOYADZHEV, S., and STOILOVA, N. Effect of certain factors on the immunogenesis of pigs, affected with Aujeszky's disease. (Bu) *Vet. Med. Nauk.* 3(8):825-830. Ref. 1966. 41.8 V6468
English summary.
- 37437 CHEESEMAN, G. C., and FULLER, R. A study by high voltage electrophoresis of the amino acid decarboxylases and arginine dihydrolase of bacteria isolated from the alimentary tract of pigs. *J. Appl. Bacteriol.* 29(3):596-606. Ref. Dec. 1966. 448.39 S012
Escherichia coli and *Lactobacillus fermenti*.
- 37438 CHEVILLE, N. F. Immunofluorescent and morphologic studies on swinepox. *Pathol. Vet.* 3(5):556-564. Ref. 1966. 41.8 P27
- 37439 CORMINBOEUF, R. Diarrhea in swine farms. (Fr) *Ann. Agr.* 6:71-72. 1966/1967. 17 An73
- 37440 COTTEREAU, P., and PROY, J. C. Weaning diseases in swine. (Fr) *France. Min. Agr. Bull. Tech. Inform.* 209:423-427. May 1966. 14 F844B
- 37441 DOUVRES, F. W., TROMBA, F. G., and DURAN, D. J. The influence of NCTC 109, serum, and swine kidney cell cultures on the morphogenesis of *Stephanurus dentatus* to fourth stage, in vitro. *J. Parasitol.* 52(5):875-889. Ref. Oct. 1966. 448.8 J824
Of swine.
- 37442 DOUVRES, F. W. In vitro growth of *Oesophagostomum dentatum* (Nematoda: Strongyloidea) from third-stage larvae to adults with observations on inhibited larval development. *J. Parasitol.* 52(5):1033-1034. Oct. 1966. 448.8 J824
Of swine.
- 37443 ELSLEY, F. W. H., and others. A comparison of the live-weight changes, nitrogen retention and carcass composition of pregnant and non-pregnant gilts. *Anim. Prod.* 8(3):391-400. Ref. Oct. 1966. 49 An55
D. M. Anderson, L. McDonald, R. M. Macpherson, and R. Smart, joint authors.
- 37444 FERGUSON, D. L. Whipcidal activity of Atgard V in swine. *Vet. Med./Small Anim. Clin.* 61(11):1101-1102. Nov. 1966. 41.8 M69
Dichlorovinyl dimethyl phosphate, 2,2-.
- 37445 FISCHMAN, O., and SANTIAGO, M. Microsporion canis infection in a pig. *Mycopathol. Mycol. Appl.* 30(3/4):271-272. Dec. 1, 1966. 450 M994
- 37446 GAAFAF, S. M. Piperazine as anthelmintic in swine practice. (Ge) *Prakt. Tierarzt* 47(11):554-555. (Concl.) Ref. Nov. 1, 1966. 41.8 P882
- 37447 GLIGOR, V., and others. The effect of cobalt, manganese and zinc on sows and baby pigs. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 23:57-73. 1966. 49.9 R86L
A. Tacu, S. Florescu, N. Vermesan, I. Fere-dean, and L. Beris, joint authors.
English summary.
- 37448 GLIGOR, V., and NEDELNIUC, V. Study of energy metabolism in the swine for meat and fats. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 23:45-56. 1966. 49.9 R86L
English summary.
- 37449 GRIEG, A. S., BOULANGER, P., and BANNISTER, G. L. African swine fever. V. Cultivation of the virus in primary pig kidney cells. *Can. J. Comp. Med. Vet. Sci.* 31(1):24-31. Jan. 1967. 41.8 C162
- 37450 HARTWICH, J., and NIGGESCHULZE, A. On the problem of etiological relations of Mycoplasma to enzootic pneumonia and atrophic rhinitis of piglet. (Ge) *Tierarztl. Umsch.* 21(10):497-500, 503-505. Ref. Oct. 1, 1966. 41.8 T445
English summary.
- 37451 HELFFERICH, B., VEMMER, H., and GUTTE, J. O. Research on the content of calcium, potassium, and sodium in the bodies of grown swine. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(5):263-270. Ref. Sept. 1966. 389.78 Z3
English summary.
- 37452 HOLMAN, J. E., KOESTNER, A., and KASZA, L. Histopathogenesis of porcine polioencephalomyelitis in the germ free pig. *Pathol. Vet.* 3(6):633-651. Ref. 1966. 41.8 P27
- 37453 HOLMAN, J. E. Pathogenesis of porcine polioencephalomyelitis in the germfree pig. *Diss. Abstr.* 3, Sect. B, 27(1):216B-217B. July 1966. Z5055.U49D53
- 37454 HORZINEK, M. Characterization of hog cholera virus. I. *J. Bacteriol.* 92(6):1723-1726. Ref. Dec. 1966. 448.3 J82
- 37455 ICHIKAWA, O. Clinical manifestation and pathology of swine parakeratosis. (Ja) *Jap. Vet. Med. Ass. J.* 19(7):279-286. Ref. July 1966. 41.9 J275
- 37456 KASKUBKIEWICZ, C., MICHALSKI, Z., and ZAKRZEWSKI, A. Observations on infectious atrophic rhinitis in pigs. (Pol) *Med. Veter.* 22(10):584-588. Ref. Oct. 1966. 41.8 M463
English summary.
- 37457 KAWAKUBO, and TAMASAKI, K. Antibody survey on Japanese B. encephalitis among swine in Ibaraki Prefecture in 1961-1965. (Ja) *Jap. Vet. Med. Ass. J.* 19(7):303-307. July 1966. 41.9 J275
English summary.
- 37458 KJELLBERG, B., and KARLSSON, B. A comparison of changes in lactate dehydrogenase isoenzyme patterns of porcine, human and bovine milk during lactation periods. *Biochim. Biophys. Acta* 128(3):569-590. Dec. 14, 1966. 381 B522
- 37459 KNOWLES, C. O., and CASIDA, J. E. Mode of action of organophosphate anthelmintics: cholinesterase inhibition in *Ascaris lumbricoides*. *J. Agr. Food Chem.* 14(6):566-572. Ref. Nov./Dec. 1966. 381 J8223
Removed from swine intestines.
- 37460 KOHLER, H. Research into fatal collapse in pigs after injections of iron complex compounds. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(18):345-349. Ref. Sept. 15, 1966. 41.8 B45
English summary.
- 37461 LANNEK, N. Muscle degeneration of swine. (Sw) *Skand. Kreatursforskingsbolaget. Ma-nadsskr.* 43(11/12):108-112. 1965. 49.9 Sk1
Includes effects of transportation.
- 37462 LARENAUDIE, B., and others. Study on the biological and chemical properties of the African swine fever virus and leucocyte cultures. (Fr) *Rec. Med. Vet.* 142(10):903-919. Ref. Oct. 1966. 41.8 R24
J. Haag, R. Carnero, and F. Ruiz Gonzalvo, joint authors.
English summary.
- 37463 LOFTSGAARD, G., BRISKEY, E. J., and OLSON, C. Use of concentrated extracts for microbiological assays of penicillin residues in porcine tissues. *Amer. J. Vet. Res.* 28(122):167-172. Ref. Jan. 1967. 41.8 Am3A

- 37464 LUCAS, A., and others. Trials for the classification of the African swine fever virus. (Fr) Rec. Med. Vet. 142(11):1065-1068. Nov.1966. 41.8 R24
B. Larenaudie, J. Haag, R. Carnero, and F. Ruiz Gonzalo, joint authors.
English summary.
- 37465 LYSGOROV, D. V. Use of single-farrowing sows for immediate increase of pork production. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 26/27:93-99. 1965. 281.9 M852
- 37466 MALAKHOVA, E. I., and FEDOTOVA, M. N. Using feed mixed with anthelmintic preparations to control ascariasis in swine. (Rus) Svinovodstvo 12:42-43. Dec.1966. 46.8 Sv33
Piperazine added.
- 37467 MODERN VETERINARY PRACTICE. Our panel reports: what gastrointestinal problems do you commonly see in young pigs? how do you control or treat them, and with what success? Mod. Vet. Pract. 48(1):47-50. Jan.1967. 41.8 N812
Members: R. S. Moore, R. F. Taylor, R. W. Moore, J. N. Smart, J. H. Bennet, O. L. McFadden, and D. M. Winger.
- 37468 OSLAGE, H. J. Research on the matter and energy conversion in growing fattening swine. (Ge) Landbauforsch. Volkenrode 15(2):107-138. (Cont.) Ref. Dec.1965. 18 L2353
- 37469 OTEL, V., and FEREDAN, T. Transplanting zygotes in animals. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 24:291-302. Ref. 1966. 49.9 R86L
English summary.
Swine.
- 37470 PEREGUD, N. L. Closed suture of castrational wounds in boars and application of antibiotics. (Rus) Veterinariya 9:62-63. Sept.1966. 41.8 V6426
- 37471 POLGE, C., ROWSON, L. E. A., and CHANG, M. C. The effect of reducing the number of embryos during early stages of gestation on the maintenance of pregnancy in the pig. J. Reprod. Fertil. 12(2):395-397. Oct.1966. 442.8 J8222
Through partial hysterectomy.
- 37472 RENIER, F., and others. Epizootiological and anatomopathological aspects of porcine leukemia. (Fr) Rec. Med. Vet. 142(11):1055-1063, map. Nov.1966. 41.8 R24
J. C. Friedmann, L. Chevreil, G. Gacquierie, and J. Guelfi, joint authors.
English summary.
- 37473 RESPALDIZA CARDENOSA, E. Importance of swine influenza; its relation and parallelism to human. (Sp) Gac. Vet. 28(188):119-139. Mar. 1966. 41.8 G112
- 37474 ROBINSON, F. R., MOORE, R. W., and REDMOND, H. E. Immunofluorescence studies of Mycoplasma hyoarthrinosa infection in swine. Amer. J. Vet. Res. 28(122):141-147. Ref. Jan. 1967. 41.8 Am3A
Isolated from synovial tissues.
- 37475 ROBINSON, F. R. Pathogenesis of a Mycoplasma infection in swine. Diss. Abstr., Sect. B, 27(1):218B. July 1966. Z5055.U49D53
- 37476 ROBINSON, F. R., MOORE, R. W., and REDMOND, H. E. Serologic response of swine to a Mycoplasma: indirect-hemagglutination plate test. Amer. J. Vet. Res. 28(122):149-152. Jan.1967. 41.8 Am3A
- 37477 SANCHEZ BOTLJA, C. Actual situation of African swine fever. (Sp) Gac. Vet. 28(189):163-182. Apr.1966. 41.8 G112
- 37478 SCHOMBERG, D. W. Progesterone and its metabolites in the sow. Diss. Abstr., Sect. B, 27(1):87B. July 1966. Z5055.U49D53
- 37479 SEMOV, P., and GEORGIEV, S. Investigations into vibronic abortions in sows. (Bu) Vet. Med. Nauk. 3(8):819-824. 1966. 41.8 V6468
- 37480 SHMATKOVA, A. I. Study of experimentally induced leptospirosis in baby pigs. (Rus) Veterinariya 9:37-38. Sept.1966. 41.8 V6426
- 37481 SIBALIN, M., and BJORKMAN, N. On the fine structure and absorptive function of the porcine jejunal villi during the early suckling period. Exp. Cell. Res. 44(1):165-174. Ref. Oct.1966. 442.8 Ex7
- 37482 SORODOC, G., and others. Inframicrobiologic investigations on the agent of swine enzootic bronchopneumonia (strain G). H. Primary susceptibility of certain cell structures to the agent of swine enzootic pneumonia adapted to human embryo cell cultures. Rev. Roumaine Inframicrobiol. 2(2):173-176. Ref. 1965. 448.3 R323
D. Strulovici, Y. Copelovici, and C. Surdan, joint authors.
- 37483 STALHEIM, O. H. V. Chemotherapy of renal leptospirosis in swine. Amer. J. Vet. Res. 28(122):161-166. Ref. Jan.1967. 41.8 Am3A
Dihydrostreptomycin and chlortetracycline used.
- 37484 STEDHAM, M. A., KELLEY, D. C., and COLES, E. H. Influence of dietary sugar on growth of *Candida albicans* in the porcine digestive tract and lesions in the esophageal area of the stomach. Amer. J. Vet. Res. 28(122):153-159. Ref. Jan.1967. 41.8 Am3A
- 37485 STOENNER, H. G., and DAVIS, E. Further observations on leptospiral plate antigens. Amer. J. Vet. Res. 28(122):259-266. Ref. Jan. 1967. 41.8 Am3A
From porcine and bovine serums.
- 37486 SURDAN, C., and others. Various epizootologic and anatomo-clinical aspects of paratubercular infection in pigs. II. Sow enzootic abortion and orchivaginitis in boars. Rev. Roumaine Inframicrobiol. 2(2):161-171. Ref. 1965. 448.3 R323
P. Athanasiu, G. Sorodoc, Y. Copelovici, D. Strulovici, A. Enache, and A. Mocanu, joint authors.
- 37487 TARAN, I. F., and others. Study of *Brucella* cultures isolated from mouse-like rodents and their ectoparasites. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 9:70-74. Sept.1966. 448.3 Z4
N. A. Pogorelov, G. G. Kulikov, A. Z. Kutsamakina, M. M. Rudnev, N. M. Nelyapin, V. A. Rudneva, and A. E. Suvorova, joint authors.
English summary.
And from swine, to study effect of tularemia vaccine on causative agent of brucellosis.
- 37488 TRUSZCZYNSKI, M., KOGUT, L., and BORKOWSKA, B. Effect of swine fever virus infection on the level of some indices of natural immunity in swine. (Pol) Pol. Arch. Weter. 9(4):605-616. Ref. 1966. 41.8 P76
English summary.
- 37489 UEHLEKE, H. N-hydroxylation of arylamines by bladder mucosa. Life Sci. 5(16):1489-1494. Ref. Aug.1966. 442.8 L62
Swine bladder and cattle erythrocytes.
- 37490 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Hog castration. U. S. D. A. Leaflet. 473, rev., 6 p.-fold. Nov.1966. 1 Ag34L
- 37491 VERETA, L. E., and ERSHOV, V. S. Effectiveness of aerosol treatment of swine with metastrongylosis. (Rus) Veterinariya 9:48-50. Sept.1966. 41.8 V6426
- 37492 WELLMANN, G. G. Observation on immunisation against swine erysipelas. I. The value of serological examinations for the detection of an existing immunity. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(18):349-351. Ref. Sept.15, 1966. 41.8 B45
English summary.
- 37493 ZAM, S. G. The binding of 60Co-vitamin B12 by the intestine of *Ascaris* sum. Diss. Abstr., Sect. B, 27(5):1374B. Nov.1966. Z5055.U49D53

Miscellaneous

- 37494 AVETKOV, G., and BAKUNTS, G. Continuous line for electrical stunning of swine. (Rus) Myasnaya Indus. SSSR. 5:38-39. 1963. 50.8 M58

- 37495 CHARLESWORTH, R. P. Co-operation in practice; the Anglesey Pig Scheme. Great Brit. Min. Agr. Fish. Food. Agr. 73(9):427-430. Sept.1966. 10 G79J
Production.
- 37496 CHWOJNOWSKI, A., and others. Hygienic estimation of the mechanized pig-sty with large pens for fattening pigs. (Pol) Poznan. Wyzsza Szkola Roln. Roczn. 22:21-34. Ref. 1965. 106.2 P872
T. Dziubek, T. Losinski, and M. Nowicki, joint authors.
English summary.
- 37497 CZYREK, B. Behavior of swine as basis for analysis of transport losses. (Pol) Gosp. Miesna 18(8/9):38-41. Aug./Sept.1966. 50.8 G69
- 37498 FEHER, K. Relation between producers and meat industry in bacon production. (Hu) Magyar Mezogazdasag 22(1):16-17. Jan.4,1967. 19 M27
- 37499 KLOSZ, T. Investigations into the effects of certain large-scale zootechnical operations (herding, weighing) on pig fattening results. (Hu) Allattenyesztes 15(4):341-348. Dec.1966. 49 AL57
English summary.
- 37500 KNAP, J. The following-up of diurnal rhythm in large fattening stalls in relation to the expedient development of the production characteristics of swine. (Ge) Bayer. Landwirt. Jahrbuch 42(5):956-970. 1965. 18 L24
Diurnal rhythm in relation to weight, number of swine in the stall, and feeding.
- 37501 KOCHETKOV, S. Organized system of meat production based on rearing swine in special sections. (Rus) Ekon. Sel'skogo Khoz. 11:82-89. Nov.1966. 281.8 So73
- 37502 LEGAULT, C. Weaning and selection; significance of piglet performance and orientation as a function of modern raising. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:391-399. Ref. May 1966. 14 F844B
In weight gain.
- 37503 NAHLINDER, L. Danish swine progeny testing 1964/65. (Sw) Svinoktsel 55(12):391-392,395. 1965. 46.9 Sv2
Includes a comparison of corresponding Swedish results.
- 37504 NAHLINDER, L. Swine progeny testing, 1964/65. (Sw) Svinoktsel 55(12):387-389. 1965. 46.9 Sv2
- 37505 NORTHERN IRELAND, MINISTRY OF AGRICULTURE. New pig testing scheme. Agr. Northern Ireland 41(7):198-199. Nov.1966. 256.13 Ag62M
- 37506 PARTANEN, J. The temperature in the pigpen and its effects on production. (Sw) Tidskr. Lantman Andelsfolk 6:18-19. Mar.31,1966. 20 T43
Effects on growth and feed consumption.
- 37507 RADISON, J. Equipment and practical organization for guidance in the raising and weaning of baby pigs. (Fr) France. Min. Agr. Bull. Tech. Inform. 209:415-422. May 1966. 14 F844B
- 37508 ROBERTSON, J. C., and others. Swine production guide. Ky. Univ. Ext. Misc. 339,45 p. Nov.1966. 275.29 K415M
D. E. Labore, E. D. Purkiser, D. G. Waddill, W. E. Wise, B. Dean, and C. H. Chaney, joint authors.
- 37509 SKYRME, H. P. Pigs "want you to want them." New Zeal. J. Agr. 113(5):61,63. Nov.1966. 23 N48J
Care.

ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 37510 BURNSIDE, R. A., and DUFFY, R. G. Need for farm ponds increases. *New Zeal. J. Agr.* 113 (5):51,53,55. Nov.1966. 23 N48J
- 37511 CARLIER, M. CIGR—what it is. *Farmbuildings* 14:39,41. Nov./Dec.1966. 296.8 F224
International Commission of Agricultural Engineering.
- 37512 CROFTER, J. MAFF [Ministry of Agriculture, Fisheries and Food] to build research dairy farm. *Farmbuildings* 14:24-25. Nov./Dec.1966 1966. 296.8 F224
Plans by the National Agricultural Advisory Service set at Bridget's Experimental Husbandry Farm.
- 37513 HALL, C. W. Interdisciplinary graduate program at MSU [Michigan State University]. (Condensed.) *Agr. Eng.* 48(1):27,33. Jan.1967. 58.8 Ag83
Program for engineering graduates in food science and vice versa.
- 37514 LONG, D. The future pattern of dairy farms. *Farmbuildings* 14:35,39. Nov./Dec.1966. 296.8 F224
- 37515 NORTHERN IRELAND MINISTRY OF AGRICULTURE. New farm safety regulations. *Agr. Northern Ireland* 41(7):213-215. Nov.1966. 256.13 Ag82M
- 37516 PIRAS, N. Agricultural safety and astronautical experiences. (It) *Trattorista* 12(23):517-522. Dec.15,1966. 58.8 T69
Protective equipment.
- 37517 RUEB, H. P. 'Take better care!' (Ge) *Grune* 94(43):1572-1575. Oct.28,1966. 17 Sch9
Accident prevention in Swiss farming.
- 37518 SCHLUTER, A. The tasks of agricultural engineering in modern agriculture. (Ge) *Landtechnik* 21(24):838-840,842,844. Dec.15,1966. 58.8 L235
- 37519 SIDELMANN, D. P. Farm building layouts. *Chartered Land Agents' Soc. J.* 65(11):442-455. Nov.1966. 282.9 L22
- 37520 TOHATA, S., ed. *Taikei nogyo hyakka jiten*. 1. *Nogyo rikasogaku* [Systematic agricultural encyclopedia. Vol. 1. Agropysical and agrochemical engineering]. Tokyo, Nosei Chosa Iin-kai, 1966. 937 p. S411.N6
- 37521 UPPSALA, JORDBRUKSTEKNISKA INSTITUTET. *Arbetsratelse* [Annual report of the Swedish Institute of Agricultural Engineering], 1965—1966. Jordbrukstek. Inst. Meddel. 318, 55 p. 1966. 58.9 J762
- 37522 WILSON, G. S. Ten years of farm safety. *Great Brit. Min. Agr. Fish. Food Agr.* 73(11):509-513. Nov.1966. 10 G79J
- 37523 YOUNG, G. J., and FRANCIS, B. J. Fire-breaks without erosion. *S. Australia J. Agr.* 70(3):76-84. Oct.1966. 23 S084
- FARM MACHINES AND EQUIPMENT**
- 37524 ARBUZOV, I. Universal bar-and scraper conveyor. (Rus) *Tekh. Sel'skom Khoz.* 12:23-25. Dec.1966. 58.8 M11
- 37525 BALANDINA, N. E. Methods for determining the sequence of capital investments in the mechanization of field crop production. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 29:104-111. 1965. 281.9 M852
- 37526 BARILI, P. Marketing considerations of used machines. 2. (It) *Trattorista* 12(20):453-455. Oct.31,1966. 58.8 T69
- 37527 BERANEK, J., and others. *Spotrební normy náhradních součástí pro zemědělské stroje a traktory* [Utilization norms on reserve parts for agricultural machines and tractors]. III. Praha, Státní Zemědělské Nakladatelství, 1966. 647 p. 58 B4522
- 37528 BIELER, G. The frontloader in bale loading. (Ge) *Genossensch. Ratschläge Bauernhof*, Aug.1966:4. 384 C4292
- 37529 BRAGG, D. D., and LUCKHAM, W. R. When does it pay to mechanize? *Poultry Trib.* 73 (1):18-19,76. Jan.1967. 47.8 P8642
- 37530 BRUNOLI, A. Why a cropping farm mechanize? (It) *Trattorista* 12(20):457-460. Oct.31,1966. 58.8 T69
- 37531 DORN, B. Technical education in the agricultural vocational school. (Ge) *Ausbildung Beratung Land-Hauswirtsch.* 19(10):203-204. Oct. 1966. 18 N11
Equipment.
- 37532 EDWALL, E. Standard rates for machine work in Jämtland Province in 1966. (Sw) *Lantbrukstidskr. Jämtland Härjedalen* 19(1):19-20. 1966. 11 L293
- 37533 FARM AND POWER EQUIPMENT. Product directory, index of manufacturers and trade name index, 1937. *Farm Power Equip.* 42(1), 250 p. Jan.1937. 58.8 F2292
- 37534 FRANCHINI, F. Raising [poultry] by "push-button." (It) *Avicoltura* 35(1):81-83. Jan. 1966. 47.8 R523
French summary, p.68.
- 37535 FUCHS, P. One man operation, slogan or necessity? (Ge) *Tech. Landwirt.* 18(12):342-343. Dec.15,1966. 58.8 T223
Multiple use equipment.
- 37536 GAL, I. New mechanical installation for meat-chick raising. (Hu) *Baromfityeszes* 10(6): 11. June 1966. 47.8 B262
- 37537 GERGELY, I. Complete mechanization of potato, sugar beet, corn in 1967 is a reality. (Hu) *Mezőgazdasági Tech.* 6(12):1-3. 1966. 58.8 M572
- 37538 GERI, V. The new regulation and the benefits foreseen by the acquisition of new equipment (Law No. 1329 of November 28, 1965 and of March 10, 1966). (It) *Giurisprudenza Agr. Ital.* 13(6):327-333. June 1966. 16 G44
- 37539 GILLING, T. What's new! A quick survey of latest developments concerned with agriculture. *Mod. Farmer* 3(2):5. Mar./Apr.1965. 10 M723
Equipment and chemicals.
- 37540 GORYACHKIN, M. I. Economic principles underlying fundamental direction of technical progress in agricultural technology. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya* 29:4-12. 1965. 281.9 M852
- 37541 HANSEN, K. Mechanization problems 1967. (Da) *Landbonyt* 21(1):10-12. Jan.1967. 11 L2322
- 37542 HARRIS, W. L., and others. Pneumatic handling of chopped alfalfa hay. *Mod. Agr. Exp. Sta. Bull.* A-143,36 p. Ref. May 1966. 100 M365
K. E. Felton, G. J. Burkhart, and N. E. Collins.
- 37543 HASSLAUER, G. Hydraulics in agricultural engineering. I. (Ge) *Deut. Agrartechn.* 17(1): 36-37. Jan.1967. 58.8 D482
- 37544 HUBINSKY, J., and HUBINSKY, J. Mechanization of dairy cattle husbandry and housing. (Cz) *Pol'nohospodarstvo* 12(10):802-807. 1966. 19.5 P752
- 37545 HUNT, G. A. How the English agricultural industry views mechanization; the fight of agricultural engineers against world hunger. (It) *Agricoltura* 15(12):83-86. Dec.1966. 16 Ag8226
- 37546 JAHNS, W. Technical and economical importance of the bonding technique. (Ge) *Deut. Agrartechn.* 16(12):568-569. Dec.1966. 58.8 D482
Equipment maintenance.

- 37547 KHERDEKAR, D. N. Agricultural machinery for the cultivation, harvesting and preservation of fodder crops. Gosamvardhana 14(7/8):37-38, 52. Oct./Nov. 1966. 43.8 G69 In India.
- 37548 KIKER, C. F., and ROSS, I. J. An equation of motion for multiple granular particles in free fall in enclosed vertical ducts. Amer. Soc. Agr. Trans. ASAE 9(4):468-473, 479. Ref. 1966. 290.9 Am32T Materials handling.
- 37549 KOSACHEV, G. G. Methodological peculiarities of determination of economic effectiveness of universal agricultural machinery. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:135-143. 1965. 281.9 M852 Multiple purpose parts.
- 37550 LEIN, M. Problems of mechanization in field research. (Ge) Landbauforsch. Volkenrode 15 (2):139-144. Ref. Dec. 1965. 18 L2353
- 37551 MACHINES and equipment for intensive fruit culture. (Ge) Grune 94(46):1679-1704. Nov. 18, 1966. 17 Sch9 Switzerland.
- 37552 MCFETRIDGE, M. J. The trend to huge dairy herds emphasises quality control. New Zeal. J. Agr. 112(6):68-69. June 1966. 23 N48J Mechanization aspects, chiefly.
- 37553 MIRONOVA, A. N., and NOSOV, M. S. Economics rationale of the sequence of capital investments in the mechanization of animal husbandry farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:112-123. 1965. 261.9 M652
- 37554 MOBERG, H. A. Agriculture in the sixties: more efficient machines; increased automation. (Sw) Jord Skog 17(10):22-23, 47. 1965. 58.8 M373
- 37555 MORRIS, W. H. M. Farm machinery replacement. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:513-522. 1966. S564.15 Includes costs.
- 37556 NEWCOME-BAKER, W. Lessons of Sedgford. Brit. Sugar Beet Rev. 35(2):73, 76. Dec. 1966. 66.8 B77 Mechanization.
- 37557 NIEUWENHULSE, L. Mechanization in Denmark. (Du) Neth. Dir.-Landbouw. Landbouw-voorlichting 23(12):339-341. Dec. 1966. 12 N333M
- 37558 NOACK, W., and PAULI, H. J. Some results of mechanized withdrawal of silage from elevated containers. (Ge) Deut. Agrartechn. 16(12):545-548. Dec. 1966. 58.8 D482
- 37559 NOGYO Kikai Nenkan 1967 [Farm Machinery Yearbook], 1967. Tokyo, 1967? 249 p. 58.8 N692 Chiefly statistics.
- 37560 NOVOZHILOV, V. F. Some peculiarities of the methodology of economic rationale of complex mechanization of cattle raising farms. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:60-68. 1965. 281.9 M852
- 37561 PETERSEN, R. Advances in mechanization in the world agriculture. (Ge) Landtechnik 21 (24):844-845. Dec. 15, 1966. 58.8 L235
- 37562 PHILLIPS, W. G. The farm machinery industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p. 324-357. 1966. HD9005.M6
- 37563 POWER FARMING IN AUSTRALIA AND NEW ZEALAND. Technical annual, 1966-67. Sydney, 1966. 543 p. 58.8 P873
- 37564 PUSANKOV, A. Remote grain-flow meter. (Rus) Tekh. Sel'skom Khoz. 12:41-43. Dec. 1966. 58.8 M11
- 37565 PUTINTSEVA, M., PODGURSKII, A., and ZEZIN, V. Specialization as the main factor in technical servicing of machinery. (Rus) Tekh. Sel'skom Khoz. 12:45-50. Dec. 1966. 58.8 M11
- 37566 RECKER, W. Instrument for measuring short-time speed variations. (Ge) Deut. Agrartechn. 17(1):33-34. Jan. 1967. 58.8 D482
- 37567 RIETHORST, W. Cooperation in mechanization in Denmark. (Du) Co-operative 28(335):173-174. Dec. 1966. 280.29 N216M Equipment cooperatives.
- 37568 ROST, D. Study of the process costs in swine fattening houses. (Ge) Deut. Agrartechn. 16 (12):539-542. Dec. 1966. 58.8 D482 Mechanization and labor costs, chiefly.
- 37569 RUNKI, P., and BORNCHEN, H. Plastics in agricultural machine and tractor building. 6. (Ge) Deut. Agrartechn. 16(12):570-573. Dec. 1966. 58.8 D482
- 37570 RUNKI, P., and BORNCHEN, H. Plastics in agricultural machine and tractor building. 7. (Ge) Deut. Agrartechn. 17(1):39-42. Jan. 1967. 58.8 D482
- 37571 SCHINKEL, W. Problems of mechanization of seed and nursery stock production in the DDR. (Ge) Feldwirtschaft 7(11):585-588. Ref. Nov. 1966. 18 W763
- 37572 SCHROPEL, W. Calculation of safety clutches for agricultural machines. (Ge) Deut. Agrartechn. 17(1):35. Jan. 1967. 58.8 D482
- 37573 SCOTTON, M. The agricultural equipment market in 1965. (It) Riv. Econ. Agr. 21(3):63-70. 1966. 281.8 R52
- 37574 SERGEEV, M., and SHIRYAEV, A. Maintaining surface of agricultural equipment. (Rus) Tekh. Sel'skom Khoz. 12:53-57. Dec. 1966. 58.8 M11
- 37575 SERVENIUS, J. Mechanization of roughage handling. (Sw) Svensk Valtdiskr. 4(6):177-183. 1965. 60.8 Sv22 Hay and silage.
- 37576 SESTAK, J. The role of agricultural machines in the effectiveness of agricultural production. (Cz) Statni Statky 9(6):90-91. 1966. 19.5 St2
- 37577 SHIN NOGYO KYOIKU KENKYUKAI. Nogyo kikai zasetsu; eino kikai-hen [Illustrated manual of agricultural machinery; operation of agricultural equipment]. Tokyo, Nogyo Tosho, 1966. 192 p. S760.J354
- 37578 SOOS, G. Some problems of technological development in large scale animal husbandry. (Hu) Magyar Mezőgazdaság 21(52):3-4. Dec. 28, 1966. 19 M27
- 37579 STEPANOV, A. Mechanization of grain production and utilization of engineering in the south-east. (Rus) Ekon. Sel'skogo Khoz. 10:7-19. Oct. 1966. 281.8 So73
- 37580 SVIDERSKII, V., and SYSOEV, V. Bar-and-scraper conveyor of light construction. (Rus) Tekh. Sel'skom Khoz. 12:26. Dec. 1966. 58.8 M11
- 37581 VOLODARSKII, D. YA., and MORGUNOVA, L. P. Technical and economic certificate in the system of evaluation of new agriculture technology. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29: 93-103. 1965. 281.9 M852
- 37582 ZIESCHANG, R. Function and trend of mechanized agricultural production in the present stage of our social evolution. (Ge) Deut. Agrartechn. 17(1):1-4. Jan. 1967. 58.8 D482
- 37583 ZIESCHANG, R. Task and direction of mechanization of agricultural production in the present stage of social development. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 520:17-25. Feb. 10, 1967. (JPRS 39,866; TT 67-30514) 173 J663St2 East Germany. Translation from Deutsche Agrartechnik 1:1-4. Jan. 1967. Issued by CFSTI.
- 37584 ZORIN, A. Determining need for repairing of equipment. (Rus) Tekh. Sel'skom Khoz. 12: 66-67. Dec. 1966. 58.8 M11

Animal Husbandry Equipment

- 37585 BARKIN, V. Improving milk-meter design and performance of the milking machine. (Fus) Tekh. Sel'skom Khoz. 12:21-23. Dec.1966. 58.8 M11
- 37586 BERTING, J. F. R. Drinkers for pigs. J. Agr. [Melbourne] 64(9):399-402. Sept.1966. 23 V66J
- 37587 BOCKELMANN, I. VON. Comfort and discomfort in the milk parlor. (Sw) Var Naring 43 (3):72-73. 1966. 44.8 M692
Chiefly sanitation of the milking equipment.
- 37588 BURT, R. A. Are alkaline detergents outdated? Dairyfarming Dig. 13(5):21-22. Sept./Oct.1966. 44.8 D1443
For cleaning milking machines.
- 37589 COX, D. A. Hot water in the milking shed; a means of sterilisation. Dairyfarming Dig. 13 (5):23-24. Sept./Oct.1966. 44.8 D1443
Bactericidal effect on milking machines.
- 37590 HUTSCHENREUTHER, G. Stationary feeding equipment for dairy cows in Czechoslovakia. (Ge) Deut. Agrartech. 16(12):543-545. Dec. 1966. 58.8 D482
- 37591 KULPE, E. At what herd or group size lies the application limit of the round feed table (round crib) in loafing barn systems? (Ge) Landarbeit 17(12):92-94. Dec.1966. 18 L2355
Space problem.
- 37592 LECOQ, P. Foreword on the present situation of mechanical milking. (Fr) Tech. Lait, 536: 11. Nov.10,1966. 44.8 OF2
- 37593 LOW, S. W. Milking machine rubber needs proper care. New Zeal. J. Agr. 113(4):49. Oct.1966. 23 N48J
- 37594 MECHANIZATION of feeding in swine fattening. (Ge) Deut. Agrartech. 16(12):542-543. Dec. 1966. 58.8 D482
A bibliography.
- 37595 NILSSON, E. Equipment for handling and feeding of silage. (Sw) Joel 3:3-5. 1966. 335.8 J59
Cattle.
- 37596 NORMAN, K. L. Udder washing with extra advantages. Queensland Agr. J. 92(10):616-618. Oct.1966. 23 Q33
Equipment.
- 37597 PHILLIPS, D. S. M. New ideas on teat cup design. New Zeal. J. Agr. 113(5):15-17. Nov. 1966. 23 N48J
- 37598 PRIMATESTA, G. Possibilities of mechanizing calf raising. (It) Allevatore 21(51):3. Dec.19,1965. 49 AL55
Chiefly feeding equipment.
- 37599 RAMMELL, C. G. Iodophor cleansers must be of correct composition. New Zeal. J. Agr. 113(1):19. July 1966. 23 N48J
For milking machines.
- 37600 ROMANELLO, G. Machine milking assures best results. (It) Esso Agr. 15(5):26-27. Oct. 1966. 58.8 Es7
- 37601 ROOS, A. Milk scope equipment for pipeline milking. (Sw) Svensk Husdjursskotsel Ladu- ring. 2:50-51. Feb.1966. 44.8 L12
- 37602 TWOMEY, A. New ideas on cleaning milking machines. New Zeal. J. Agr. 113(6):51,53,55. Dec.1966. 23 N48J
- 37603 VAISSAIRE, M. History of the milking machine. (Fr) Tech. Lait, 536:14-17. Nov.10, 1966. 44.8 OF2

Cultivation and Tillage Equipment

- 37604 BANHAZI, J., and SZABO, I. Plowing experiments on heavy soils. (Hu) Jarmuvek, Mezo- gazdasagi Gepek 13(12):458-462. Dec.1966. 58.8 J29
English summary, p.4 of content.
- 37605 FEUERLEIN, W. Power plows; their importance for industry, commerce and agriculture. (Ge) Landmasch.-Markt 46(1):9-11. Jan.4, 1967. 58.8 L239
- 37606 GERHARDT, H. Unconventional plowing. (Ge) Landmasch.-Markt 46(1):12,14. Jan.4,1967. 58.8 L239
Rotary plows.
- 37607 GORANOV, P., and TERZIEV, KH. Effect of distant switching of turnover mechanism on improvement of technical-operational indices of mounted rotary plows. (Bu) Vissk Selskosto- panski Inst. "Vasil Kolarov." Nauch. Tr. 14 (1):431-438. 1965. 106.3 P72
German summary.
- 37608 GRUND, J. Crumbling rollers--new imple- ments for better seedbed preparation. (Ge) Deut. Agrartech. 17(1):10. Jan.1967. 58.8 D482
- 37609 KEMMNER, K. The power plow: yesterday--to- day--tomorrow! (Ge) Mitt. Deut. Landwirt.- Ges. 81(40):1760-1761. Dec.1,1966. 18 N39
- 37610 KUNZE, A., and BOSSE, O. Improved quality and reduced cost in plant production by ration- alized soil cultivation. (Ge) Deut. Agrartech. 17(1):5-7. Ref. Jan.1967. 58.8 D482
Equipment.
- 37611 LEPORI, W. A., and STAPLETON, H. N. Ener- gy requirements for tillage of desert soils. Agr. Eng. 48(1):24-26,35. Jan.1967. 58.8 Ag83
- 37612 ROMANELLO, G. Motor hoe and rotary plow for soil preparation. (It) Esso Agr. 15(6):12-13. Dec.1966. 58.8 Es7
- 37613 SCHERY, R. W. Air cushion mowing. Weeds Trees Turf 4(9):14-15. Sept.1965. 79.8 W413
- 37614 SHADRIN, A., and VOLKOV, A. Cultivation of a flooded rice field. (Rus) Tekh. Sel'skom Khoz. 12:7-10. Dec.1966. 58.8 M11
By special tractor-cultivator.
- 37615 VAKARELSKI, I. On possibilities of using ro- tary cultivators for mechanized cultivation of rows in row crop culture. (Bu) Vissk Selsko- topsanski Inst. "Vasil Kolarov." Nauch. Tr. 14 (1):419-429. 1965. 106.3 P72
German summary.
- 37616 VECCHI, N. DE. Hourly cost of motor hoe. (It) Esso Agr. 15(6):26-27. Dec.1966. 58.8 Es7
- 37617 VENTZKI, R. Developmental trends in plow construction. (Ge) Landmasch.-Markt 46(1): 7-8. Jan.4,1967. 58.8 L239
- 37618 WETTERBLAD, B. Proper equipment for proper spring tillage. (Sw) Var Naring 43(3): 76-78. 1966. 44.8 M692

Fertilizing and Planting Equipment

- 37619 ALTADONNA, G. Properties and use of wheat sowing machines. (It) Trattorista 12(19):421-429. Oct.15,1966. 58.8 T69
- 37620 ANISHCHENKO, R. V. Economic effectiveness of mechanized application of organic fertilizers. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel's- skogo Khoz. Dok. Soobshcheniya 29:52-59. 1965. 281.9 M852
- 37621 BOYADZHEV, P., and ZAIKOV, A. Study of planting apparatus of some transplanting ma- chinery. (Bu) Vissk Selskosto- panski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):461-469. 1965. 106.3 P72
German summary.
- 37622 KASHUTIN, V. Applying fertilizers in layers, while plowing. (Rus) Tekh. Sel'skom Khoz. 12:16-18. Dec.1966. 58.8 M11
- 37623 SUNGUR, N. Examinations on the suitability of a protection device for manure spreaders. (Ge) Landtech. Forsch. 16(6):208-213. 1966. 58.8 L2332
English summary.
- 37624 VAKARELSKI, I., LALEV, S., and DONEV, K. Study of operation of potato planting equipment at higher speed. (Bu) Vissk Selskosto- panski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):449-460. 1965. 106.3 P72
German summary.

- 37625 ZUMBACH, W. Machine spreading of commercial fertilizers. 2. (Ge) Traktor Landmasch. 28(15):952-960. Dec.1966. 58.8 T678Ag

Harvesting Equipment

- 37626 ARNOLD, R. E. Aims and prospects in combine harvester development. World Crops 18 (3):75-81. Sept.1966. 281.8 W892
- 37627 AVERKOV, V. Z. Considering tobacco morphology in construction of tobacco harvesting equipment. (Rus) Tabak 4:50-51. 1966. 69.8 T112
- 37629 BARTLETT, G. S. Start of major changes in harvesting cane? S. Afr. Sugar J. 50(11):1029, 1031. Nov.1966. 65.8 So8
Mechanization.
- 37629 BEYER, H., and HORAKOVA, M. Utilization of threshing equipment in the harvesting of hay. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:171-182. 1965. HD1940.C95A1
English summary.
- 37630 BOLTITZAR, P. Mechanization of fruit harvesting. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(12):441-448. Ref. Dec.1966. 58.8 J29
English summary, p.4 of content.
Europe.
- 37631 BOYADZHIEV, P., and others. On possibilities of using some types of potato harvesters in mountain areas. (Hu) Vissz Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):439-447. 1965. 106.3 P72
Kh. Terziev, K. Gogova, and I. Chipilski, joint authors.
German summary.
- 37632 BROWN, C. M., and TURNER, J. H. A new attachment for harvesting of small cotton plots with conventional spindle pickers. Crop Sci. 6(6):607-608. Nov./Dec.1966. 64.8 C883
- 37633 CURRENCE, H. D., and BUCHELE, W. F. Leaf-strip harvester for alfalfa. Agr. Eng. 48(1):20-23. Jan.1967. 58.8 Ag83
- 37634 DRIFANENKO, S. Effect of harvesting method on quality of production. (Rus) Len Konoplya 12:25-26. 1966. 73.8 L542
Mechanical harvesting of flax.
- 37635 FERRIN, L. Etude economique de la moissonneuse-batteuse publiee par le Centre d'Etude de la Mecanisation en Agriculture de Gembloux; condense et commentaires [Economic study of the harvester-thresher published by the Gembloux Study Center on Agricultural Mechanization; condensation and commentaries]. Brussels. Inst. Econ. Agr. Cah. I.E.A. 57 (EE-8), 38 p. Nov.1966. 281.9 B832
- 37636 FRIDLEY, R. B., and ADRIAN, P. A. Mechanical harvesting equipment for deciduous tree fruits. Calif. Agr. Exp. Sta. Bull. 825, 56 p. Ref. July 1966. 100 C128
- 37637 GERASIMOV, S. Possibilities for complete mechanization of potato harvesting. (Rus) Kartoffel' Ovoshchi 10:2-4. Oct.1966. 75.8 K147
- 37638 GRAMLOW, J. Mechanized harvesting of Swedish turnips. (Ge) Feldwirtschaft 7(8):428-431. Aug.1966. 18 W763
- 37639 JOHNSON, W. H., and LAMP, B. J. Principles, equipment and systems for corn harvesting. Wooster. Agricultural Consulting Associates, 1966. 370 p. Ref. SB190.J6
Chiefly on mechanical harvesting.
- 37640 KABANOV, P. N. Organizational and economic foundations of continuous flow technology of potato harvesting. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:33-51. 1965. 281.9 M852
- 37641 KAVEN, E. The power action in the use of self-driving hay harvesting equipment on the slope. (Ge) Landarbeit 17(9):69-71. Sept. 1966. 18 L2355
Austria.
- 37642 KLEIN, L. M., and HARMOND, J. E. Effect of varying cylinder speed and clearance on threshing cylinders in combining crimson clover. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):499-500, 506. 1966. 290.9 Am32T
- 37643 KOVALEV, A. T., and VINNIK, A. S. A special equipment for combines. (Rus) Traktory Sel'khoz mashiny 12:28-30. Dec.1966. 58.8 T68
- 37644 KRABBE, J. Straw harvesting for large farms according to a new method. (Da) Tidsskr. Landkons. 10:502-505. Dec.1966. 11 T43
Equipment.
- 37645 LUDEMANN, H. The mechanization of the forage harvest with special attention to the DLG equipment tests. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:503-512. 1966. S564.15
English summary.
- 37646 LUTSENKO, V. M. Mechanized harvesting of flax assures better sheafs. (Rus) Len Konoplya 12:24-25. 1966. 73.8 L542
- 37647 MAL'KOV, V., and ALIKULOVA, L. A set of forage plant harvesting equipment used in the desert and semidesert areas. (Rus) Tekh. Sel'skom Khoz. 12:13-16. Dec.1966. 58.8 M11
- 37648 MAQUET, E. The sequence of harvesting and conservation of forages. (Fr) Rev. Elevage 21 (spec.no.40):63-64, 67-70, 73-74, 77-78, 81. 1966. 49 B462
Methods and machinery.
- 37649 PANES, V., and BURKA, I. On tests with a three-stage grain harvesting equipment. (Rus) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:103-111. 1966. HD1940.C95A1
English summary.
- 37650 RAMP, R. M. Cutter-cleaner-loader type of sugar-cane harvester. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):458-459. 1966. 290.9 Am32T
- 37651 SCHWARZER, A. Experiences in the mechanization of fodder beet harvesting on socialist farms on the Gera district. (Ge) Feldwirtschaft 7(8):426-428. Aug.1966. 18 W763
- 37652 SEXTON, J. P. A mechanized sugar-cane harvesting and handling system. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):455, 457. 1966. 290.9 Am32T
- 37653 SOLOMYKIN, A. P., and LAVRIK, V. I. Corn-cob cleaning apparatus for combines. (Rus) Traktory Sel'khoz mashiny 12:17-19. Dec.1966. 58.8 T68
- 37654 VOLODARSKII, D. YA., and KABANOV, P. N. Economic effectiveness of harvesting of grain crops under various methods of straw handling. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:13-32. 1965. 281.9 M852

Land Clearing Equipment

Processing Equipment Used on the Farm

- 37655 HARRIS, W. S. Trends and construction techniques for land grading in Arkansas. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):578-579, 582. 1966. 290.9 Am32T
- 37656 JACOBSON, P. Remaking the surface of the earth. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):565. 1966. 290.9 Am32T
Land grading.
- 37657 CULPIN, C. Automatic feed preparation and feeding. Farmers' J. (n.s.) 5(2,sup.):1-3, 6, 8-9. Sept.3, 1965. 10 F2234
- 37658 ELLINGTON, J. D. The farm separator. 1. Queensland Agr. J. 92(10):584-590. Oct.1966. 23 Q33
Cream separator.
- 37659 ELLINGTON, J. D. The farm separator. 2. Queensland Agr. J. 92(11):671-679. Nov.1966. 23 Q33
Cream separator.

- 37660 GAST, A. The chopped straw-barn manure chain on the Karow seed breeding state farm. (Ge) *Feldwirtschaft* 7(11):603-605. Nov. 1966. 18 W763
- 37661 GRAHAM, R. M. Haymaking. *Mod. Farmer* 3(2):8. Mar./Apr. 1965. 10 M723
Equipment in Great Britain.
- 37662 HAMANN, J. A. An improved egg cleaner. *World's Poultry Congr. Proc.*, 13th Congr.: 513-516. 1966. SF481,W6
- 37663 HAMDY, M. Y. Theoretical analysis of centrifugal threshing and separation. *Diss. Abstr.*, Sect. B, 27(1):145B-146B. July 1966. Z5055,U49D53
- 37664 HOLMBERG, C. B. Electric dryer in Ostergotland. (Sw) *Joel* 2:7-10. 1965. 335.8 J59
For drying of grain.
- 37665 HUMPHRIES, E. G., JOHNSON, W. H., and HASSLER, F. J. Mechanisms for controlling drying rate of tobacco during curing. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):474-479. Ref. 1966. 290.9 Am32T
- 37666 ISKANDARYAN, M. I. The quality of disks in the cylinders of cream separators. (Rus) *Traktory Sel'khoz mashiny* 12:23-25. Dec. 1966. 58.8 T68
- 37667 KOCH, A. Practical pea threshers speed the harvest. (Ge) *Ubersicht* 17(10):794-796. Oct. 8, 1966. 18 Ub3
- 37668 LEVITSKII, I. N. Increasing deterioration resistance of threshing planks. (Rus) *Len Konoplya* 12:31-32. 1966. 73.8 L542
Flax.
- 37669 LUPAN, L., and others. New technological process of drying alfalfa aimed at the preservation of proteins and carotene. (Rum) *Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint.* 24: 23-39. Ref. 1966. 49.9 R86L
E. Palamaru, N. Rosca, V. Maxim, and E. Niculescu, joint authors.
English summary.
- 37670 MARTINEZ, M. A. Forage preservation for use during winter. (Sp) *Credito Rural* (ser. 2) 161:2,7. Nov. 1965. 284.28 C863
Hay drying in El Salvador.
- 37671 MASSEY, B. W. In-barn hay drying by the Dutch system. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(11):550-551. Nov. 1966. 10 G79J
- 37672 MAYS, D. A. Description of an improved forage sample dryer. *Agron. J.* 58(5):554-555. Sept./Oct. 1966. 4 Am34P
- 37673 MCFATE, K. L. Small electric mills: costs, characteristics. (Condensed.) *Agr. Eng.* 48(1):28-29. Jan. 1967. 58.8 Ag83
For feed.
- 37674 MCGINTY, R. J. Automatic feed processing control with electronic weighing. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):489-491. 1966. 290.9 Am32T
- 37675 MEDLING, P. C. New techniques in haymaking. *J. Agr. [Melbourne]* 64(10):437-445. Oct. 1966. 23 V66J
- 37676 PARIGI-BINI, R. Forced ventilation as technical means of decreasing losses of traditional hay making. (It) *Agr. Venetia* 20(9):419-433. Ref. Sept. 1966. 16 Ag826
- 37677 SCHROEDER, M. E. Optimal air distribution in a continuous flow column dryer. *Diss. Abstr.*, Sect. B, 27(1):147B. July 1966. Z5055,U49D53
- 37678 SHREIDER, M. N., NOVOZHILOV, N. P., and VOROB'EV, V. I. Threshing flax by simple and complicated threshers. (Rus) *Len Konoplya* 12:16. 1966. 73.8 L542
- 37679 SKOL'ZAEV, V. A., and LIPATOV, A. E. The speed of grass meal processing equipment. (Rus) *Traktory Sel'khoz mashiny* 12:14-15. Dec. 1966. 58.8 T68
- 37680 SMIRNOV, G. N., and VOLKOVA, M. G. Decreasing dust in air. (Rus) *Len Konoplya* 12: 28-31. 1966. 73.8 L542
While threshing flax.

Repair, Maintenance, and Construction Equipment

- 37681 ALTENEDER, K. Liquid manure—technical possibilities for mixing and removing. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(48):1659, 1660, 1662, 1664-1666. Nov. 10, 1966. 18 N39
- 37682 ANLANSOON, G., BERGLUND, S., and PERSSON, S. Handling of liquid manure—results of research and experiences from the practice. (Sw) *Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan* 1965:87-123. 11 Sw34
Equipment.
- 37683 FLEISCHER, E. Economic problems and results of mechanized removal of barn manure and liquid manure. (Ge) *Feldwirtschaft* 7(11): 592-597. Nov. 1966. 18 W763
Costs and returns, including labor, in East Germany.
- 37684 GUTZMER, G. Rationalization by welding. (Ge) *Deut. Agrartech.* 17(1):43-45. Jan. 1967. 58.8 D482
- 37685 KUHN, G. Experiences in the removal of thick liquid manure. (Ge) *Feldwirtschaft* 7(11):601-603. Nov. 1966. 18 W763
Mechanization.
- 37686 LARRSON, L. I. Ekonomiska synpunkter pa val av utgodslingsssystem [Economic views on the selection of a manure removal system]. *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 95,82 p. Ref. 1966. 11 Up62A
Costs.
- 37687 LEHMANN, R. Mechanization of manure removal from cattle barn to field. (Ge) *Feldwirtschaft* 7(11):597-601. Nov. 1966. 18 W763
East Germany.
- 37688 LONG, M. E. Keep your machinery properly greased. *World Farming* 8(12):12-13. Dec. 1966. 30.08 W69
- 37689 MASLOV, N., and SHAKHRAEV, V. New washing solutions. (Rus) *Tekhn. Sel'skom Khoz.* 12: 68-69. Dec. 1966. 58.8 M11
- 37690 PETERSON, C. L. Planning a liquid manure handling system. *Idaho. Agr. Coll. Ext. Bull.* 478,12 p. Oct. 1966. 100 Id14
- 37691 POELMA, H. R. Experiences with application, removal and storage of fermenting manure. (Ge) *Landtechnik* 21(24):857-860, 862, 864. Dec. 15, 1966. 58.8 L235
Equipment.
- 37692 ROBINSON, T. W. Handling slurry from cubicle set-ups. *Agr. Northern Ireland* 41(7):200-204. Nov. 1966. 256.13 Ag82M
- 37693 SCOTT, D. F. Method and care are invaluable in the farm workshop. *New Zealand J. Agr.* 113(4):42-43, 45, 47, 49. Oct. 1966. 23 N48J
- 37694 ZIHLMANN, F. The use of the vacuum tank. (Ge) *Int. Congr. Sci. Work-Organ. Agr. Trans.*, 13th Congr.:487-502. 1966. S564.15
English summary.
For liquid manures.

Spraying and Dusting Equipment

- 37695 HENRY, J. E. Investigations of a centrifugal device for spreading granular materials from aircraft. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):588-589, 591. 1966. 290.9 Am32T
Economic poisons.
- 37696 HILL, H. P. How to calibrate turf sprayers. *Weeds Trees Turf* 4(9):8-11, 28. Sept. 1965. 79.8 W413
- 37697 JOHNSTONE, D. R. Physical assessment of high throughput limited swath spray nozzles for safe herbicide application by fixed-wing aircraft. *Great Brit. Colon. Office. Trop. Pesticides Res. Unit. TPRU/Porton/Rep.* 306,5 p. Feb. 1966. 423.92 G796C
- 37698 KARLE, H. Application technique becomes important. (Ge) *Genossensch. Ratschlag Bauernhof, Aug.* 1966:10. 384 C4292
In spraying.

- 37699 NAZAROV, V. A., ed. *Primenenie aviatsii v sel'skom i lesnom khoziaistve* [Application of aircraft in agriculture and forestry], Moskva, Transport, 1966. 381 p. Ref. 5494,5.A5N3 Chiefly spraying and dusting.
- 37700 ROTH, L. O., and PORTERFIELD, J. G. Liquid atomization for drift control. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):553-555. 1966. 290.9 Am32T
Equipment for application of agricultural chemicals.
- 37701 ROTH, L. O. Liquid atomization related to the production and measurement of spray particles. Diss. Abstr., Sect. B, 27(1):147B. July 1966. Z5055.U49D53
Equipment.
- 37702 WHITECOMB, L. S. How to calibrate hand-carried truck-mounted granular spreaders. Weeds Trees Turf 5(7):12,26. July 1966. 79.8 W413
For pesticides.
- Vehicles**
- 37703 ANDREEV, S., and others. Effect of system and organization of repair work on costs of tractor repairs. (Hu) *Ikonomicheskia Misl'* 11(7):102-109. 1966. 280.8 Ik7
B. Antonov, G. Khristozov, I. Chepilev, M. Mikhailov, and V. Grigorov, joint authors. French summary, p.136.
- 37704 AZEV, S. Intensive use of the tractor fleet. (Rus) *Tekh. Sel'skom Khoz.* 12:50-53. Dec. 1966. 58.8 M11
Costs and deterioration.
- 37705 BAKER, C. J. Automatic draught control can mean much to tractor users. New Zeal. J. Agr. 113(6):41-43,45. Dec.1966. 23 N48J
Hydraulics.
- 37706 BAKER, C. J. Work can be easier if hydraulic controls on tractors are understood and used. New Zeal. J. Agr. 113(1):45,47. July 1966. 23 N48J
- 37707 BERGMANN, F. Tractor and tractive force. (Ge) *Traktor Landmasch.* 29(1):35-40. (Cont.) Jan.1937. 58.8 T37Ag
- 37708 BRITISH TRACTORS AND FARM MACHINERY. The green book, 1967. Brit. Tractors Farm Mach. 16(34),277 p. Winter 1967. 58.8 B773
- 37709 FARRALL, A. W. An inertial propulsion system. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):586-587. 1966. 290.9 Am32T
In vehicles using ground traction.
- 37710 FISCHER, K. Timely attention—safe drive. (Ge) *Genossensch. Ratschlage Bauernhof*, Aug.1966:3. 384 C4292
Vehicle maintenance.
- 37711 CRACHEV, V. A. Improved utilization of machine tractor fleet in agriculture. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz.* Dok. Soobshcheniya 29:69-78. 1965. 281.9 M852
- 37712 HARRISON, D. S., and BEEMAN, J. F. Diesel fuels and oils; selection and care for optimum performance. Fla. Univ. Ext. Circ. 306,10 p. Oct.1966. 275.29 F66C
Chiefly for tractors.
- 37713 KARPUKHIN, K. Problem of creating a tractor suitable to operate under roadless conditions. (Rus) *Tekh. Sel'skom Khoz.* 12:76-78. Dec.1966. 58.8 M11
- 37714 KASSAY, L. Reconditioning of tractor engines. (Hu) *Mezozadasagi Tech.* 6(12):25-27. (Cont.) 1966. 58.8 M572
- 37715 KOMANDI, GY. Theoretical examination of the factors determining the tangential power with crawler type vehicles. (Hu) *Jarmuvek, Mezozadasagi Gepek* 13(12):449-457. Ref. Dec.1966. 58.8 J29
English summary, p.4 of content. Tractors.
- 37716 KRIVOSHEEV, A., and KUZNETSOV, G. Experience in centralized storage of accumulation batteries. (Rus) *Tekh. Sel'skom Khoz.* 12:59-62. Dec.1966. 58.8 M11
For tractors.
- 37717 LEHOCZKY, L. Harmony in the performance of tractors and tractor mounted machines. (Hu) *Magyar Mezogazdasag* 22(1):5-6. Jan.4, 1967. 19 M27
- 37718 LEVCHIL, V. Finding of defects in electrical equipment of tractors and cars. (Rus) *Tekh. Sel'skom Khoz.* 12:73-75. Dec.1966. 58.8 M11
- 37719 LIANG, T., and YUNG, C. A microscopic study of tractive performance of a lugged tire operating on sand. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):513-515. 1966. 290.9 Am32T
Tractor tires.
- 37720 LINNEMAN, R. E. The United States tractor industry in selected foreign markets. Amer. Marketing Ass. Fall Conf. Proc. 1965:178-180. 280.39 Am35P
- 37721 MAAN, W. J. The use of aircraft in the mechanization of agricultural production. Food Agr. Organ. UN. Land Water Develop. Div. Inform. Working Bull. 26,79 p. Ref. 1965. 290.9 F732
- 37722 MALEVANYI, A., and NOVIKOV, A. A special tractor used in beet growing. (Rus) *Tekh. Sel'skom Khoz.* 12:37-41. Dec.1966. 58.8 M11
- 37723 MASHNIKOV, V. S. Basic methodology of economic rationale for the selection of tractor types by the method of mathematical programming. (Rus) *Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz.* Dok. Soobshcheniya 29:124-134. 1965. 281.9 M852
- 37724 MEINCKE, K. Strengthening axle load of farm tractors in pulling biaxial vehicles. (Ge) *Landtech. Forsch.* 16(6):223-228. 1966. 58.8 L2332
- 37725 MODERN tractor drives. (Ge) *Tecn. Landwirt.* 18(12):348,348,350,352,354. Dec.15,1968. 58.8 T223
- 37726 MUHREL, K. Methods of transportation for root crop production. (Ge) *Feldwirtschaft* 7(8):431-434. Aug.1966. 18 W763
On the farm.
- 37727 PECHONYI, KH. "Soft" plowing and operation of tractors. (Rus) *Ekon. Sel'skogo Khoz.* 11:66-70. Nov.1966. 281.8 So73
- 37728 PFLUGER, W. Depth bearing and economic benefit of regulating hydraulics in tractors. I. (Ge) *Deut. Agrartechn.* 17(1):37-39. Ref. Jan. 1967. 58.8 D482
- 37729 POLAK, F. Chains for 26 millions; inexperienced installation causes shorter lifespan. (Hu) *Mezozadasagi Tech.* 6(12):4-5. 1966. 58.8 M572
Crawler tractors.
- 37730 POLAK, F. Winter operation of tractors and vehicles. (Hu) *Magyar Mezogazdasag* 21(52):10-11. Dec.28,1966. 19 M27
- 37731 POPOV, V. N., and others. Warming up diesel engine, before starting. (Rus) *Traktory Sel'khozmashiny* 12:11-13. Dec.1966. 58.8 T68
K. I. Zav'yalov, G. V. Anikin, and O. P. Yagodov, joint authors. Tractors.
- 37732 RAUSENDORF, H., and SCHMIDT, F. The top-heavy single-axle trailer and its advantages with respect to the mechanics of the ride. 2. (Ge) *Deut. Agrartechn.* 16(12):561-564. Dec.1966. 58.8 D482
- 37733 ROHNER, J. Finally after 18 years a quick coupler. (Ge) *Landarbeit* 17(8):57-59. Aug. 1966. 18 L2355
For tractor attachments.
- 37734 RUTTMANN, X. Tractor in sloped areas. (Ge) *Traktor Landmasch.* 28(15):913-918. Dec.1966. 58.8 T678Ag
- 37735 SCHERUGA, F. Safety and driver protection in agricultural tractors. (Ge) *Traktor Landmasch.* 29(1):11-15. Jan.1967. 58.8 T678Ag
- 37736 SCHLICHTING, M. High-efficiency wheeled tractor for higher working velocities. 1. (Ge) *Deut. Agrartechn.* 17(1):15-20. Jan.1937. 58.8 D482
- 37737 SPENCER, M. Slipped discs are out of fashion. *Mod. Farmer* 3(2):16-17. Mar./Apr.1965. 10 M723
Hydraulics for tractors.

- 37738 SREBRYANSKII, A., DASHIN, A., and KONNOV, A. Improving starting of the tractor engine. (Rus) Tekh. Sel'skom Khoz. 12:57-59. Dec. 1966. 58.8 M11
- 37739 THURM, R. The effect of utilization of tractors and farm machines on the costs and machine requirement. (Ge) Deut. Agrartechn. 17(1):20-25. Ref. Jan. 1967. 58.8 D482
- 37740 TREDE, C. Organization and introduction of tractor testing service at Orlanienburg. (Ge) Deut. Agrartechn. 17(1):30-32. Jan. 1937. 58.8 D432
- 37741 VANEK, J. Tractors for the mountain areas. (Cz) Statni Statky 8(8):126-127. 1965. 19.5 S82
- 37742 VECCHI, N. DE. Reasonable balancing of depreciation and maintenance. (It) Esso Agr. 15(5):24-25. Oct. 1966. 58.8 Es7
- 37743 ZORIN, S. P. Calculating traction of the hauling tractor. (Rus) Traktory Sel'khoz mashiny 12:10-11. Dec. 1966. 58.8 T68
- 37737 CULLEN, A. E. Fast exit in herringbone cow shed. Dairyfarming Dig. 13(5):15-18. Sept./Oct. 1966. 44.8 D1443
- 37738 CURTO, G. M. Rational planning of milking parlors. (It) Riv. Zootec. 39(11):598-607. Nov. 1966. 49 R52
- 37739 FARMBUILDINGS. Choosing a fattening pigery. Farmbuildings 51:20 p. Aug. 1966. 296.8 F224
- 37760 GIPPERT, T. Use and maintenance of ventilation vents. (Hu) Baromifitenyesztes 10(5):10-11. May 1966. 47.8 B262
- 37761 HARTMAN, R. C. Double-decked wire-floor brooder-grow house. Poultry Trib. 73(1):34, 36, 74. Jan. 1967. 47.8 P642
- 37762 HERBERT, J. Insulation boom keeps booming. Poultry Meat 3(4):78-80, 82.84. Apr. 1966. 47.8 P8656
- 37763 HOLMQVIST, N. Heat insulation and ventilation in barns. (Sw) Joel 2:3-6. 1966. 335.8 J59
- 37764 JACKSON, H. D. Details about those famous British houses. Broiler Indus. 30(1):44, 45-48, 50. Jan. 1967. 47.8 N45
- 37765 KENDAL, P., and QUICK, A. J. Design guide 1: Herringbone milking parlours. Farmbuildings 15:28-31, 33-35, 37, 41-42. Jan./Feb. 1967. 296.8 F224
- 37766 KUBICEK, J., and MYDLILOVA, J. Design of a two-story housing for the intensive feeding of turkeys and poultry. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provazne Ekon. 2:139-148. 1965. HD1940.C95A1
- 37767 KULPE, E. The problem of milk yield decline in milking on herringbone milk stand. (Ge) Deut. Agrartechn. 16(12):536-539. Ref. Dec. 1966. 58.8 D482
- 37768 LAMMERT, T., and HEING, W. Modern stable installations in France. (Ge) Deut. Agrartechn. 16(12):549-550. Dec. 1966. 58.8 D482
- 37769 LEHMANN, M. The "Lehmann shed." (Ge) Grune 94(41):1504-1509. Oct. 14, 1966. 17 Sch9
- 37770 LINDAHL, S. Building-65 in Jamtland. (Sw) Svensk Valltidsskr. 4(6):184-189. 1965. 60.8 Sv22
- 37771 MCFARLANE, D. Natural ventilation of intensive beef cattle housing. Farmbuildings 14:36-37, 39. Nov./Dec. 1966. 296.8 F224
- 37772 MCQUITTY, J. B., and MCEWEN, S. A. Cubicles for fattening heifers. Agr. Northern Ireland 41(7):216-221. Nov. 1966. 256.13 Ag82M
- 37773 MCQUITTY, J. B. Experimenting with cubicles for bullocks. Agr. Northern Ireland 41(8):230-235. Dec. 1966. 256.13 Ag82M
- 37774 OBER, J., and KIESL, H. P. Determination of differential weight in cattle and swine as basis of load acceptance for beams of perforated barn floors. (Ge) Bayer. Landwirt. Jahrbuch 42(8):971-981. 1965. 18 L24
- 37775 OLAH, I. New cage type with self-feeder and self-waterer. (Hu) Baromifitenyesztes 10(9):30-31. Sept. 1966. 47.8 B262
- 37776 ORDANINI, P. Considerations on open stables. (It) Inform. Zootec. 13(23):999-1004, 1007-1010. Dec. 15, 1966. 49 In3
- 37777 PAPPRITZ, C. L. VON. Barn floor heating with electricity for fattening swine. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 144:28. Oct. 15, 1966. 281.8 R462
- 37778 PATON, F. Housing veal calves. Farmbuildings 14:26-27, 29, 31. Nov./Dec. 1966. 296.8 F224

FARM STRUCTURES AND RURAL HOUSING

- 37744 FITCH, D. B. S. Timber-framed mono-pitched farm buildings. Great Brit. Min. Agr. Fish. Food. Agr. 73(9):446-447. Sept. 1966. 10 G79J
- 37745 HARVEY, N. Farm building research; a general review of the organization of research affecting farm buildings in Britain. Great Brit. Min. Agr. Fish. Food. Agr. 73(11):514-517. (Cont.) Nov. 1966. 10G78J
- 37746 HENRIKSSON, R. Agriculture in the sixties: rapid break-through for prefabricated buildings. (Sw) Jord Skog 17(10):20-21. 1965. 58.8 M373
- 37747 HENRIKSSON, R. Building types and building methods adjusted to a changing agriculture. (Sw) Stiftelse, Svenska Lantbruksveckan 1965: 53-59. 11 Sw34
- 37748 JEBAUTZKE, W., and POHLMANN, H. Norway's agriculture and farm buildings—today. (Ge) Bauern Lande 17(10):245-246, 248, 250-256. Oct. 1966. 296.8 Ar1
- 37749 PARKER, B. F., and WHITE, G. M. Effectiveness of jets produced by fan-baffle arrangement for mixing and distributing ventilating air. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):480-483, 488. 1966. 290.9 Am32T
- 37750 U. S. AGRICULTURAL RESEARCH SERV. Picnic shelter, wood construction; cooperative farm building plan No. 5995. U. S. D. A. Misc. Publ. 1047.2 p. Jan. 1967. 1 A684M
- 37751 VOGEL, G. Economic use of building capital in agriculture. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 143:3-13. Sept. 15, 1966. 281.8 B462
- Costs.

Animal Shelters and Animal Service Buildings

- 37752 BEHR-NEGENDANCK. What one experienced in the dairy industry experienced in Norway. (Ge) Bauern Lande 17(10):256, 258-259. Oct. 1966. 296.8 Ar1
- 37753 BERRESHEIM, W. Capacity per cubic foot among space age changes seen for broiler housing. Poultry Meat 3(1):B62-B64. Jan. 1966. 47.8 P8656
- 37754 BROWN, B., and others. Spotlight on windowless housing, 3-stage growing. Broiler Indus. 30(1):18-19, 21-23, 26-28, 30. Jan. 1967. 47.8 N45
- 37755 BURNELL, R. E. New shelter pen for mothering-up lambs. New Zeal. J. Agr. 113(4):63. Oct. 1966. 23 N48J
- 37756 COLLIN, J. D. With intensive husbandry poultry housing needs particular attention. New Zeal. J. Agr. 112(6):41, 43, 45. June 1966. 23 N48J
- 37757 CULLEN, A. E. Fast exit in herringbone cow shed. Dairyfarming Dig. 13(5):15-18. Sept./Oct. 1966. 44.8 D1443
- 37758 CURTO, G. M. Rational planning of milking parlors. (It) Riv. Zootec. 39(11):598-607. Nov. 1966. 49 R52
- 37759 FARMBUILDINGS. Choosing a fattening pigery. Farmbuildings 51:20 p. Aug. 1966. 296.8 F224
- 37760 GIPPERT, T. Use and maintenance of ventilation vents. (Hu) Baromifitenyesztes 10(5):10-11. May 1966. 47.8 B262
- 37761 HARTMAN, R. C. Double-decked wire-floor brooder-grow house. Poultry Trib. 73(1):34, 36, 74. Jan. 1967. 47.8 P642
- 37762 HERBERT, J. Insulation boom keeps booming. Poultry Meat 3(4):78-80, 82.84. Apr. 1966. 47.8 P8656
- 37763 HOLMQVIST, N. Heat insulation and ventilation in barns. (Sw) Joel 2:3-6. 1966. 335.8 J59
- 37764 JACKSON, H. D. Details about those famous British houses. Broiler Indus. 30(1):44, 45-48, 50. Jan. 1967. 47.8 N45
- 37765 KENDAL, P., and QUICK, A. J. Design guide 1: Herringbone milking parlours. Farmbuildings 15:28-31, 33-35, 37, 41-42. Jan./Feb. 1967. 296.8 F224
- 37766 KUBICEK, J., and MYDLILOVA, J. Design of a two-story housing for the intensive feeding of turkeys and poultry. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provazne Ekon. 2:139-148. 1965. HD1940.C95A1
- 37767 KULPE, E. The problem of milk yield decline in milking on herringbone milk stand. (Ge) Deut. Agrartechn. 16(12):536-539. Ref. Dec. 1966. 58.8 D482
- 37768 LAMMERT, T., and HEING, W. Modern stable installations in France. (Ge) Deut. Agrartechn. 16(12):549-550. Dec. 1966. 58.8 D482
- 37769 LEHMANN, M. The "Lehmann shed." (Ge) Grune 94(41):1504-1509. Oct. 14, 1966. 17 Sch9
- 37770 LINDAHL, S. Building-65 in Jamtland. (Sw) Svensk Valltidsskr. 4(6):184-189. 1965. 60.8 Sv22
- 37771 MCFARLANE, D. Natural ventilation of intensive beef cattle housing. Farmbuildings 14:36-37, 39. Nov./Dec. 1966. 296.8 F224
- 37772 MCQUITTY, J. B., and MCEWEN, S. A. Cubicles for fattening heifers. Agr. Northern Ireland 41(7):216-221. Nov. 1966. 256.13 Ag82M
- 37773 MCQUITTY, J. B. Experimenting with cubicles for bullocks. Agr. Northern Ireland 41(8):230-235. Dec. 1966. 256.13 Ag82M
- 37774 OBER, J., and KIESL, H. P. Determination of differential weight in cattle and swine as basis of load acceptance for beams of perforated barn floors. (Ge) Bayer. Landwirt. Jahrbuch 42(8):971-981. 1965. 18 L24
- 37775 OLAH, I. New cage type with self-feeder and self-waterer. (Hu) Baromifitenyesztes 10(9):30-31. Sept. 1966. 47.8 B262
- 37776 ORDANINI, P. Considerations on open stables. (It) Inform. Zootec. 13(23):999-1004, 1007-1010. Dec. 15, 1966. 49 In3
- 37777 PAPPRITZ, C. L. VON. Barn floor heating with electricity for fattening swine. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 144:28. Oct. 15, 1966. 281.8 R462
- 37778 PATON, F. Housing veal calves. Farmbuildings 14:26-27, 29, 31. Nov./Dec. 1966. 296.8 F224

Controlled environment.

- 37779 PATTIE, D. R. Permeability practical solution to ventilation problems? (Condensed.) Agr. Eng. 48(1):34-35. Jan.1967. 58.8 Ag33
In relation to animal housing systems.
- 37780 ROBERTS, L. How to build cow kennels. Farmbuildings 14:32-33. Nov./Dec.1966. 296.8 F224
- 37781 RUSSELL, H. M. Shearing sheds—design and construction. 2. J. Agr. [Melbourne] 64(9): 387-393. Sept.1966. 23 V63
- 37782 STRATTON, C. Extension service helps slice housing costs. Poultry Meat 3(2):72,74. Feb. 1966. 47.8 P8656
Maine University, Agricultural Extension Service.
- 37783 U. S. AGRICULTURAL RESEARCH SERV. Beef cattle corrals; cooperative farm building plan Nos. 5991,5974,5952. U. S. D. A. Misc. Publ. 1044,2 p. Dec.1966. 1 Ag84M
- 37784 WANDER, J. F. Mechanically directed planning of buildings in swine raising. (Ge) Landarbeit 17(12):89-92. Dec.1966. 18 L2355
Costs and investments.
- 37785 WANDER, J. F. Planning of buildings for mechanization in swine raising. (Ge) Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:347-372. 1966. S564.15
English summary.
- 37786 ZUBER, R., and GISIGER, L. Barn air and liquid manure research in a stall with gratings and gutters. (Ge) Mitt. Schweiz. Landwirt. 14 (1):6-9. Jan.1966. 17 M69

Farmhouses and Farmsteads

- 37787 BREUNIG, R. Dwelling house on a northern slope. (Ge) Bauen Lande 17(10):261-263. Oct. 1966. 296.8 Ar1
Design.
- 37788 CAVE, L. F. A new look for the farm house. Mod. Farmer 3(2):22. Mar./Apr.1965. 10 M723
Great Britain.
- 37789 U. S. AGRICULTURAL RESEARCH SERV. 2-bedroom farm dwelling; cooperative farm building plan No. 7176. U. S. D. A. Misc. Publ. 1042,2 p. Jan.1967. 1 Ag84M
- 37790 U. S. AGRICULTURAL RESEARCH SERV. 5-bedroom rural dwelling; cooperative farm building plan No. 7181. U. S. D. A. Misc. Publ. 1038,2 p. Sept.1966. 1 Ag84M

Greenhouses and Plant Service Buildings

- 37791 IORDACHESCU, C., and others. The economic effectiveness of investments in the construction of greenhouses and hotbeds with industrial heating. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:1007-1021. 1963/64,pub.1966. 86 R862
V. Oros, B. Manescu, L. Lunca, and C. Mihalcea, joint authors.
French summary.
- 37792 KAPLINA, G., and GIRICHEV, M. Greenhouses in the Kazakhstan. (Rus) Kartofel' Ovoshchi 10:30-33. Oct.1966. 75.8 K147
- 37793 PRUDINSKII, B., and TERPIGOREV, V. Calculating heat and automatic control of temperature of nutrient solution for plants in hydroponic greenhouses. (Rus) Tekh. Sel'skom Khoz. 12:10-12. Dec.1966. 58.8 M11

Materials and Methods

- 37794 CURTIS, J. O., and HANSEN, E. L. Self-anchored, continuously insulated concrete wall panels. Amer. Soc. Agr. Eng. Trans. ASAE 9 (4):534-537. 1966. 290.9 Am32T
For farm buildings.

- 37795 NEUBAUER, L. W., and QUINTERO, J. E. High pressure for strengthening and stabilizing soil-cement and adobe bricks. Amer. Soc. Eng. Trans. ASAE 9(4):507-508,512. Ref. 1966. 290.9 Am32T

Storage Structures

- 37796 DAY, C. L., and PANDA, H. H. Bulk density of chopped alfalfa hay. Mo. Agr. Exp. Sta. Res. Bull. 891,31 p. Aug.1965. 100 M693
Importance in designing storage facilities.
- 37797 PETROVSKY, R., and others. Effectiveness of the utilization of plastics compared with other materials used in silage covering. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrari Stiint. 24:53-74. Ref. 1966. 49.9 R86L
G. Marinescu, M. Dinu, B. Wolf, M. Vintila, I. Dunca, and J. Stavri, joint authors.
English summary.
- 37798 RADU, I., ISAC, I., and SUTA, A. Storage of fruit in storage structures type "voinesiti." (Rum) Grandina, Via Lavada 15(9):39-46. Sept.1966. 80 G75
Controlled atmosphere.

FARM UTILITIES

Electricity and Electrification

- 37799 ALBUQUERQUE, J. A. DE. Rural electrification in the United States. (Pol) Arco-Iris 15 (105):10. Nov.1966. 280.28 Ar2
- 37800 ALYAB'EVA, N., BELYAEVSKII, YU., and OLENEV, V. Electrification and mechanization of dairy farms. (Rus) Ekon. Sel'skogo Khoz. 9:65-70. Sept.1966. 281.8 S073
- 37801 DAVENPORT, J. B. It's time to move ahead on supplemental financing. Amer. Coop. 1966: 433-436. 280.29 Am3A
Electricity cooperatives.
- 37802 ELLIS, C. T. Programming for the new rural America. Rural Elec. 24(12):18-20. Sept.1966. 335.8 N21
In relation to rural electricity.
- 37803 KLEIN, H. Caution with electric current. (Ge) Landmasch.-Markt 46(2):59-64. Jan.18,1967. 58.8 L239
- 37804 KURIYAN, J. A note on electricity supply in Kottayam town. Planting Com. 14(7):21-24. Sept.8,1966. 22 P697
India.
- 37805 LANGSTON, C. D. Rural electric cooperatives it's time to move ahead: introductory statement. Amer. Coop. 1966:421-422. 280.29 Am3A
- 37806 OSWALD, H. L. Our televised annual meeting. Amer. Coop. 1966:131-140. 280.29 Am3A
Electric cooperatives.
- 37807 RODGERS, T. V. Ohio co-ops provide a study in contrast. Rural Elec. 24(12):22-25. Sept. 1966. 335.8 N21
- 37808 SMITH, J. K. It's time to move ahead through management training. Amer. Coop. 1966:423-427. 280.29 Am3A
In rural electrification and electricity cooperatives.
- 37809 STAUDAACHER, E. Electricity—an economic form of energy in the rural household. (Ge) Landmasch.-Markt 46(2):47-49. Jan.18,1967. 58.8 L239
- 37810 STRUNK, F. C. It's time to move ahead—through coordinated information programs. Amer. Coop. 1966:428-432. 280.29 Am3A
Rural electric cooperatives.

Heating, Lighting, and Radiation

- 37811 ANDERSON, D. G. Structural changes in farm petroleum distribution: efficiency of tank wagon delivery. Diss. Abstr., Sect. A, 27(1):10A-11A. July 1966. Z5055.U49D5

- 37812 VARAKIN, G. Using natural gas on a wider scale. (Rus) Ekon. Sel'skogo Khoz. 11:71-73. Nov.1966. 281.8 So73
As heat on the farms.

Power Plants, Motors and Engines on the Farm

- 37813 FLEMING, B. "Power's off!" Can your feedlot keep operating? Beef 3(3):6-7,12. Nov.1966. 50.8 B39
Use of emergency generators.
- 37814 SCHULZ, H. Valve seats on diesel engines. (Ge) Deut. Agrartech. 16(12):564-565. Dec. 1966. 58.8 D482

Sewage and Waste Disposal

- 37815 MINER, J. R., and others. Cattle feedlot runoff—its nature and variation. Water Pollut. Contr. Fed. J. 38(10):1582-1591. Ref. Oct. 1966. 293.8 Se8
R. I. Lipper, L. R. Fina, and J. W. Funk, joint authors.
As a source of water pollution.

Water Supply

- 37816 BADMAEV, S. B. Economic rationale of the selection of means to mechanize the raising of water level on watering stations. (Rus) Vses. Nauch.-Issled. Inst. Ekon. Sel'skogo Khoz. Dok. Soobshcheniya 29:88-92. 1965. 281.9 M852
For livestock, chiefly using pumps.
- 37817 DELONG, H. H. Mineral reduction by electro-dialysis for home water supply. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):541-542. 1966. 290.9 Am32T
- 37818 DOLINSKAYA, V. M. Reasonable depth of placing water supply network made of polyethylene pipes. (Rus) Gidrotekh. Melior. 11:37-42. Nov.1966. 290.8 G362
- 37819 SHAW, M. D. Field performance of a water pasteurizer. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):590-591. 1966. 290.9 Am32T
- 37820 TANNOCK, F. J., and FINDON, J. R. S. Poisoned by water from farm tap. New Zeal. J. Agr. 113(5):19. Nov.1966. 23 N48J

ENTOMOLOGY

GENERAL ENTOMOLOGY
(EXCEPT TAXONOMIC AND GEOGRAPHIC)

- 37821 ALEXANDER, R. D. Acoustical communication in arthropods. *Annu. Rev. Entomol.* 12:495-526. 1967. 421 An72
- 37822 ANNAEVA, E. CH. Ecology and agricultural importance of *Coracias garrulus semenowi* Loud. in cultural landscape of middle reaches of Amu-Daria River. (Rus) *Nauch. Dok. Vysheishkoly. Biol. Nauk.* 2:37-39. Ref. 1965. 442.8 N22
Insects as bird food.
- 37823 ANNUAL review of entomology. Volume 12, edited by R. F. Smith and T. E. Miller. Palo Alto, 1967. 563 p., map. 421 An72
Review of the literature.
- 37824 ARSHAD, M. Food and feeding habits of brown trout (*Salmo Fario*). *Agr. Pakistan* 16(3):407-416. Ref. Sept. 1965. 22 Ag832
Includes insect food.
- 37825 BACCI, G. Sex determination. Oxford, 1965. 306 p. (International Series of Monographs in Pure and Applied Biology, v.26) QP251.B3
Bibliographies, p.264-290.
Includes insects and plants.
- 37826 BIGOT, L. Feeding habits and the nutrition biotopes of *Pica pica* L. in Camargue. (Fr) *Terre Vie* 113(3):295-315. July/Sept. 1966. 410.9 P21
Chiefly insects.
- 37827 BOSWALL, J. A discography of Palearctic insect sound recordings. *Entomol. Rec. J. Variation* 78(9):202-206. Sept. 1966. 421 En89
- 37828 CARVALHO, J. C. M. A new fossil genus and species of Miridae from the Baltic amber (Hemiptera). *Rev. Brasil. Biol.* 26(2):199-201. Aug. 1966. 442.8 R326
- 37829 ENTOMOLOGICAL SOCIETY OF AMERICA. NORTH CENTRAL BR. Proceedings, 21st annual meeting, volume 21, 1966; forty-fifth annual conference of the North Central States Entomologists, Des Moines, Iowa, March 23, 24, 25, 1966; edited by R. T. Everly. n.p., 1966. 152 p. Ref. 422.12 N81
- 37830 EWING, A. W., and MANNING, A. The evolution and genetics of insect behaviour. *Annu. Rev. Entomol.* 12:471-494. 1967. 421 An72
- 37831 GRAHAM, K. Fungal-insect mutualism in trees and timber. *Annu. Rev. Entomol.* 12:105-126. 1967. 421 An72
- 37832 HASELER, W. H. The status of insects introduced for the biological control of weeds in Queensland. (Extr.) *Entomol. Soc. Queensland. J.* 5:1-4. 1966. 420 En823
Presidential address.
- 37833 HOWE, R. W. Temperature effects on embryonic development in insects. *Annu. Rev. Entomol.* 12:15-42. 1967. 421 An72
- 37834 HURPIN, B. Role of microorganisms in the digestive processes of insects. (Fr) *Rev. Zool. Agr. Appl.* 65(4/6):63-77. Ref. Second Q. 1966. 410.9 S012
Symbiosis.
- 37835 EL-KIFLI, A. H. Effect of soil type on the soil arthropod and anelid fauna. *Agr. Res. Rev.* 43(4):127-139. Ref. Oct. 1965. 24 Eg94
United Arab Republic.
- 37836 KLOTS, A. B. The world of insects. n.p., 1966. 63 p. QL467.K6
- 37837 KOEHLER, I. M. Pacific entomologists, 1966. Rev. ed. Honolulu, Pacific Scientific Information Center, 1966. 96 p. QL35.K6
A directory.
Earlier edition issued by Pacific Science Association. Standing Committee on Pacific Entomology. List of entomologists of the Pacific area.
- 37838 KREKELER, C. H., and WILLIAMS, E. C. Cave fauna. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.390-400. Ref. 1966. QH105.L65
Includes arthropods.
- 37839 LEBEDEV, G. I., PROVOROV, I. A., and ZUBKOVICH, B. A. Materials on studies of rodents and ectoparasites in Kamchatka. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):612-615. Sept./Oct. 1966. 448.8 M469
Insects as pests.
- 37840 LEWIS, T., and STEPHENSON, J. W. The permeability of artificial windbreaks and the distribution of flying insects in the leeward sheltered zone. *Ann. Appl. Biol.* 58(3):355-363. Ref. Dec. 1966. 442.8 An72
Fences.
- 37841 MIN, H. S. Effects of inhibitor, competitors and temperature on transport of carbohydrate in *Critidia luciliae*. *J. Cell. Physiol.* 68(3):237-240. Ref. Dec. 1966. 444.8 J822
Insect parasites.
- 37842 MITCHELL, R. G. An improvised table-type microprojector. *Entomol. Soc. Amer. Ann.* 59(5):1025-1027. Sept. 1966. 420 En82
Applications in entomology.
- 37843 NAKANISHI, K., and others. Insect hormones: the structure of ponasterone A, an insect-moulting hormone from the leaves of *Podocarpus nakaii* Hay. *Chem. Commun.* 24:915-917. Ref. Dec. 28, 1966. 332 C4223
-M. Koreeda, S. Sasaki, M. L. Chang, and H. Y. Hsu, joint authors.
- 37844 PANEL discussion: The introductory course in entomology. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:34-37. 1966, pub. 1967. 422.12 N81
Moderator: G. T. Riegel; members: R. L. Usinger, R. J. Dicke, K. E. Pruess, and G. T. Riegel.
- 37845 PANEL: Research trends and funding agencies. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:99-103. 1966, pub. 1967. 422.12 N81
Moderator: R. H. Davidson; members: D. R. King, W. H. Luckman, and J. H. Magner.
Federal grants to universities for entomology.
- 37846 PANOVA, A. A. Some problems of neurosecretion in insects. (Rus) *Zhur. Obshch. Biol.* 26(6):667-676. Ref. Nov./Dec. 1965. 442.8 Z6
English summary.
- 37847 RAZET, P. Terminal elements of the nitrogen catabolism in insects. (Fr) *Ann. Biol.* 70(1/2):43-73. Jan./Feb. 1966. 442.8 An7
Bibliography, p.66-73.
Includes uric acid.
- 37848 SANDERS, D. P., and DOBSON, R. C. The insect complex associated with bovine manure in Indiana. *Entomol. Soc. Amer. Ann.* 59(5):955-959. Sept. 1966. 420 En82
- 37849 SILVERSTEIN, R. M., and RODIN, J. O. Insect pheromone collection with absorption columns. I. Studies on model organic compounds. *J. Econ. Entomol.* 59(5):1152-1154. Oct. 1966. 421 J822
- 37850 TINDALE, N. B. Insects as food for the Australian aborigines. *Australian Natur. Hist.* 15(6):179-183. June 15, 1966. 475 Au7
- 37851 TREHERNE, J. E. Gut absorption. *Annu. Rev. Entomol.* 12:43-58. 1967. 421 An72
- 37852 TURNBULL, A. L., and NICHOLLS, C. F. A "quick trap" for area sampling of arthropods in grassland communities. *J. Econ. Entomol.* 59(5):1100-1104. Ref. Oct. 1966. 421 J822
- 37853 TUXEN, S. L. The entomologist, J. C. Fabricius. *Annu. Rev. Entomol.* 12:1-14. 1967. 421 An72
- 37854 VOSS, G. Studies on the stereospecificity of esterases in certain insects and the liver of the guinea-pig. *Z. Vergleichende Physiol.* 52(3):325-332. Ref. 1966. 444.8 Z3
- 37855 WEBER, H. *Grundriss der Insektenkunde* [Outline of entomology]. Ed. 4. Stuttgart, Fischer, 1966. 428 p. Ref. QL463.W4
- 37856 WEISZ, P. B. The science of zoology. New York, McGraw-Hill, 1966. 875 p. Ref. QL47.W4
Includes arthropods.
- 37857 WHARTON, G. W., and KNULLE, W. A device for controlling temperature and relative humidity in small chambers. *Entomol. Soc. Amer. Ann.* 59(4):627-630. July 1966. 420 En82
In the ecological study of insects.
- 37858 WILLIAMS, J. H. An analysis of respiratory atmospheres in laboratory cultures of insects infesting stored grain. *Diss. Abstr., Sect. B* 27(5):1664B-1665B. Nov. 1966. Z5055.U49D53
Carbon dioxide build-up.

- 37859 YOUNG, F. N. The free living invertebrates. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.321-335. 1966. QH105.L6L5
Includes arthropods but not insects.
- Arachnida, Myriapoda, Etc.
- 37860 ALLRED, D. M. Mites of Utah mammals. Brigham Young Univ. Sci. Bull. Biol. Ser. 8(1), 123 p., map. Ref. Oct.1966. 500 B76
Includes livestock.
- 37861 ARONSON, J. F. Polarized light observations on striated muscle contraction in a mite [Tarsonemus]. J. Cell Biol. 32(1):169-179. Ref. Jan.1967. 442.8 J828
- 37862 BELOZEROV, V. N., and MIKHAILOVA, Z. A. Larval diapause in the tick Ixodes ricinus L., and its relation to external conditions. 3. Development of engorged larvae in different conditions of air humidity. (Rus) Zool. Zh. 45(10): 1573-1575. 1966. 410 R92
English summary.
- 37863 EIDT, D. C. The mite *Nalepella tsugifoliae* (Acarina, Eriophyidae) on balsam fir [*Abies balsamea*]—a new host record. J. Econ. Entomol. 59(5):1279. Oct.1966. 421 J822
- 37864 EISNER, T., and SHEPHERD, J. Defense mechanisms of arthropods. XIX. Inability of sundew plants to capture insects with detachable integumental outgrowth. Entomol. Soc. Amer. Ann. 59(4):868-870. July 1966. 420 En82
Drosera.
- 37865 EISNER, T., and DAVIS, J. A. Mongooose throwing and smashing millipedes. Science 155 (3762):577-579. Feb.3,1967. 470 Sc12
Sphaerotherium giganteum and *S. punctulatum*.
- 37866 FREDRICKSON, R. W. An apparent association of mites (Acarina) with the rock barnacle, *Balanus*. N. Y. Entomol. Soc. J. 74(2):101-102. June 29, 1966. 420 N481
Hygoribates marinus.
- 37867 GEYER, T. A. Polymorphism in the spider, *Theridion ovatum*. Nature 213(5073):314. Jan.21,1967. 472 N21
- 37868 GILMORE, J. E., and TASHIRO, H. Fecundity, longevity, and transinfectivity of citrus red mites (*Panonychus citri*) infected with a noninclusion virus. J. Invertebrate Pathol. 8(3):334-339. Sept.1966. 421 J826
- 37869 HITE, J. M. R. The biology of the brown recluse spider, *Loxosceles reclusa* Gertsche and Mulak. Diss. Abstr., Sect. B, 27(5):1655B. Nov.1966. Z5055.U49D53
- 37870 HOUGHTON, D. E. F., and others. Esterase and phosphatase activity in the opisthosomal region of spiders. Nature 213(5073):290-291. Jan.21,1967. 472 N21
N. Ledsham, R. G. Pearson, and P. M. Polak, joint authors.
Ciniflo fenestralis and *Zygiella atrica*.
- 37871 JOHNSTON, D. E., WHARTON, G. W., and STOLL, R. J. On the occurrence of *Fonsecia palmella* Brennan and Loomis (Acari; Trombiculidae), a chigger mite of reptiles, in Ohio. J. Parasitol. 52(5):966. Oct.1966. 448.8 J624
- 37872 KADZHAYA, G. SH. Ecological and faunistic survey of Acaroidea in the Transcaucasia. (Rus) Zool. Zh. 45(10):1461-1467. 1966. 410 R92
English summary.
- 37873 LUEKEN, W. The development of sex determination in *Cylisticus convexus* DeG. (Crustacea, Isopoda). (Ge) Experientia 22(8):533-534. Ref. Aug.13,1966. 475 Ex7
English summary.
- 37874 MUMA, M. H. Feeding behavior of North American Solpugida (Arachnida). Fla. Entomol. 49(3):199-216. Ref. Sept.1966. 420 F662
Chiefly insect food.
- 37875 NAIK, I. U. On the morphology of maize-meal mite, *Tyrophagus vanheurni* (Oudemans). Agr. Pakistan 16(2):203-211. Ref. June 1965. 22 Ag832
- 37876 OGINO, K., SAICHUAE, P., and IMADATE, G. Seasonal changes of soil microarthropod populations in central Thailand. Natur. Life Southeast Asia 4:303-315. Mar.1965. 410 N2195
Chiefly Acarina and Collembola.
- 37877 OSTERHOFF, D. R., and GOTHE, R. The use of red cell antigens for timing break-down of erythrocytes during digestion in *Ornithodoros savignyi* Audouin, 1827. Parasitology 56(4): 613-618. Ref. Nov.1966. 448.8 P21
- 37878 ROCKCASTLE, V. N. Spiders. Cornell Sci. Leaf. 60(1), 31 p. Ref. Oct.1966. 275.29 N48R
- 37879 RODRIGUEZ, J. G., and HAMPTON, R. E. Essential amino acids determined in the two spotted spider mite, *Tetranychus urticae* Koch (Acarina, Tetranychidae) with glucose-U-C¹⁴. J. Insect Physiol. 12(10):1209-1216. Ref. Oct.1966. 421 J825
- 37880 SELHIME, A. G., and MUMA, M. H. Biology of Entomophthora floridana attacking *Eutetranychus banksi*. Fla. Entomol. 49(3): 161-168. Ref. Sept.1966. 420 F662
- 37881 SINHA, R. N., and WALLACE, H. A. H. Association of granary mites and seed-borne fungi in stored grain and in outdoor and indoor habitats. Entomol. Soc. Amer. Ann. 59(6):1170-1181, map. Ref. Nov.1966. 420 En82
- 37882 SINHA, R. N. Feeding and reproduction of some stored-product mites on seed-borne fungi. J. Econ. Entomol. 59(5):1227-1232. Ref. Oct.1966. 421 J822
- 37883 SNOW, K. R., and ARTHUR, D. R. Oviposition in *Hyalomma anatolicum anatolicum* (Koch, 1844) (Ixodoidea, Ixodidae). Parasitology 56 (3):555-568. Ref. Aug.1966. 448.8 P21
- 37884 SOMSEN, H. W. Development of migratory form of wheat curl mite [*Aceria tulipae*]. J. Econ. Entomol. 59(5):1283-1284. Oct.1966. 421 J822
- 37885 TASHIRO, H. Intratree dispersal of the citrus red mite, *Panonychus citri* (Acarina: Tetranychidae). Entomol. Soc. Amer. Ann. 59(6):1206-1210. Nov.1966. 420 En82
Includes releasing albino strains.
- 37886 WEISER, J., and MUMA, M. H. Entomophthora floridana, n. sp. (Phycomycetes: Entomophthoraceae), a parasite of the Texas citrus mite, *Eutetranychus banksi*. Fla. Entomol. 49 (3):155-159. Ref. Sept.1966. 420 F662
- 37887 WEYGOLDT, P. Moos- und Bucherskorpione [Moss and book scorpions [Chthoniidae and Neobiisiidae]]. Neue Brehm-Bucheret 365, 84 p. 1966. 409 N392
Anatomical, morphological and physiological study.
- 37888 ZON, A. Q. VAN, and HELLE, W. Albinism as a marker in *Tetranychus pacificus*. Entomol. Exp. Appl. 9(2):205-208. 1966. 421 En895

Coleoptera

- 37889 ABRAHAMSON, L. P., and NORRIS, D. M. Symbiotic interrelationships between microbes and ambrosia beetles. I. The organs of microbial transport and perpetuation of *Xyloterius politus*. Entomol. Soc. Amer. Ann. 59 (5):877-880. Ref. Sept.1966. 420 En82
- 37890 ANGUS, R. B. An unusual method of swimming in *Amphips australicus* Blackburn (Col., Hydrophilidae). Entomol. Mon. Mag. 101 (1217/1219):286. Oct./Dec.1965. 421 En86
Australia.
- 37891 ARMBRUST, E. J. The influence of some physical and biological factors on the phototactic response of the alfalfa weevil, *Hypera postica* (Gyll.). Diss. Abstr., Sect. B, 27(5):1367B. Nov.1966. Z5055.U49D53
- 37892 ATALLAH, Y. H., and NEWSON, L. D. Ecological and nutritional studies on *Coleomegilla maculata* De Geer (Coleoptera: Coccinellidae). I. The development of an artificial diet and a laboratory rearing technique. J. Econ. Entomol. 59(5):1173-1179. Ref. Oct.1966. 421 J822

- 37893 ATALLAH, Y. H. Ecological and nutritional studies on *Coleomegilla maculata* De Geer (Coleoptera: Coccinellidae). II. The effects of different population densities and sex ratios on oviposition. *J. Econ. Entomol.* 59(5):1179-1180. Oct. 1966. 421 J822
- 37894 BARTLETT, A. C., and BELL, A. E. "Ivory" an eye-color mutation in *Tribolium castaneum*. *Entomol. Soc. Amer. Ann.* 59(4):865-866. July 1966. 420 En82
- 37895 BECHTLE, W. Animals indoors and outdoors; beetle history for the head of the family. (Ge) *Kosmos* 62(5):216-220. May 1966. 474 K842 Melolontha.
- 37896 BEDARD, W. D. A ground phloeum medium for rearing immature bark beetles [Ips confusus] (Scolytidae). *Entomol. Soc. Amer. Ann.* 59(5):931-938. Ref. Sept. 1966. 420 En82
Excised from *ponderosa* pine logs.
- 37897 BETZ, N. L. Physicochemical properties and molecular structure determination of glycogen from *Anthonomus grandis* Boheman. *Diss. Abstr.*, Sect. B, 27(1):71B-72B. July 1966. Z5055.U49D53
- 37898 BISHARA, S. I. The oviposition preference of the granary and the rice weevils on some wheat varieties in U.A.R. *Agr. Res. Rev.* 43(4):47-54. Ref. Oct. 1965. 24 Eg94
Sitophilus granarius, *S. oryzae*, and *S. zeamais*, on stored wheat.
- 37899 BYRNE, H. D., STEINHAEUSER, A. L., and MENZER, R. E. Attractiveness of alfalfa extracts to the alfalfa weevil, *Hypera postica*, in relation to water. *Entomol. Soc. Amer. Ann.* 59(5):1013-1014. Sept. 1966. 420 En82
- 37900 CAMPBELL, J. M. Sexual behavior in the genus *Androchirus* (Coleoptera: Alleculidae). *Entomol. Soc. Wash. Proc.* 68(3):258-264. Sept. 1966. 420 W27
Androchirus erythropus and *A. femoralis*.
- 37901 CHAUDHARY, K. D., LESCAULT, A., and LEMONDE, A. Kinetic studies on alkaline phosphatase in *Tribolium confusum* Duval. *Rev. Can. Biol.* 25(4):245-249. Ref. Dec. 1966. 442.8 R325
- 37902 CHERNYSHEV, V. B. Analysis of the diurnal cycle exuberant by the behavior of *Trogoderma glabrum* Herbst. (Rus) *Zhur. Obshch. Biol.* 26(5):577-584. Ref. Sept./Oct. 1965. 442.8 Z6
English summary.
- 37903 COLLETT, T. S., and BLEST, A. D. Binocular, directionally selective neurones, possibly involved in the optomotor response of insect. *Nature* 212(5068):1330-1333. Dec. 17, 1966. 472 N21
Of *Chlorophanus* and *Sphinx ligustri*.
- 37904 COLLINGS, S. B. An improved Ring solution for the heart of the passalus beetle, *Popilius disjunctus* (Coleoptera: Passalidae). *Entomol. Soc. Amer. Ann.* 59(5):972-974. Sept. 1966. 420 En82
- 37905 DANIELS, N. E. The association of a range-land grub, *Phyllophaga koehleri* (Coleoptera: Scarabaeidae), with asilid larvae and with mites [Caloglyphus]. *Entomol. Soc. Amer. Ann.* 59(5):1021. Sept. 1966. 420 En82
- 37906 DAVIS, L. V. Feeding habits and seasonal distribution of scarab beetles in the North Carolina Piedmont. *Elisha Mitchell Sci. Soc. J.* 82(2):212-220. Ref. Nov. 1966. 500 EL4
- 37907 DAVYDOVA, E. D. Wing musculature of fireflies (Coleoptera, Lampyridae) with a different degree of elytrae and wing reduction. (Rus) *Zool. Zh.* 45(7):1023-1032. Ref. 1966. 410 R92
English summary.
Luciola mingrelica, *Lampyrus orientalis*, and *Lampyrus noctiluca*.
- 37908 EÄHLE, N. W., WALKER, A. B., and BURKS, M. L. An artificial diet for the boll weevil, *Anthonomus grandis* (Coleoptera: Curculionidae), based on the analysis of amino acids in cotton squares. *Entomol. Soc. Amer. Ann.* 59(4):664-669. Ref. July 1966. 420 En82
- 37909 EVANS, W. G. Morphology of the infrared sense organs of *Melanophila acuminata* (Buprestidae: Coleoptera). *Entomol. Soc. Amer. Ann.* 59(5):873-877. Sept. 1966. 420 En82
- 37910 FLINT, H. M., HIBOW, W. R., and LAHREN, C. K. Radiation studies with the boll weevil, [*Anthonomus grandis*] lethal effects on larvae, pupae, and adults; male sterility and dose fractionation. *J. Econ. Entomol.* 59(5):1249-1255. Ref. Oct. 1966. 421 J822
X-rays.
- 37911 FORCE, D. C. Reactions of the green dock beetle, *Gastrophysa cyanea* (Coleoptera: Chrysomelidae), to its host and certain nonhost plants. *Entomol. Soc. Amer. Ann.* 59(6):1119-1125. Ref. Nov. 1966. 420 En82
- 37912 FORCE, D. C. Reactions of the three-lined potato beetle, *Lema trilineata* (Coleoptera: Chrysomelidae), to its host and certain nonhost plants. *Entomol. Soc. Amer. Ann.* 59(6):1112-1119. Nov. 1966. 420 En82
Normally, *Solanaceae* of the genus *Datura*.
- 37913 FOX, C. J. S. Wireworms in pure stands of grasses and weeds. *Can. J. Plant Sci.* 46(4):453-454. July 1966. 450 C16
Study of effect of plant species on the pasture pests *Agriotes sputator*, *Athous campyloides*, and *A. manicus*.
- 37914 GALKIN, G. I. A description of the larvae of two Coleoptera species (Scarabaeidae) from Siberia. (Rus) *Zool. Zh.* 45(11):1727-1729. 1966. 410 R92
English summary.
Ecology and biology of *Lachnota henningi* and *Brahmina agnella*.
- 37915 GEORGE, B. W., and HINTZ, A. M. Immature stages of the western corn rootworm [*Diabrotica virgifera*]. *J. Econ. Entomol.* 59(5):1139-1142. Ref. Oct. 1966. 421 J822
- 37916 GIESE, R. L. From cradle to computer—the Columbian timber beetle [*Corthylus columbianus*]. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:85-92. Ref. 1966, pub. 1967. 422.12 N81
- 37917 GUPTA, A. P. External genitalia of Meloidae (Coleoptera). I. The genitalia and their musculature in *Lytta vulnerata*. *Entomol. Soc. Amer. Ann.* 59(4):736-746. Ref. July 1966. 420 En82
- 37918 GUPTA, A. P. Further studies on the internal anatomy of the Meloidae (Coleoptera). I. The digestive and reproductive systems of *Rusadira*, *Oenas*, *Lagorina*, *Sitaris*, and *Zonitis*. *Entomol. Soc. Amer. Ann.* 59(4):751-758. Ref. July 1966. 420 En82
- 37919 GUPTA, A. P. Further studies on the internal anatomy of the Meloidae (Coleoptera). II. The digestive and reproductive systems of the *S.A.* blister beetle, *Picroseus nitidipennis* Fairmaire and Germain (Coleoptera: Meloidae). *N. Y. Entomol. Soc. J.* 74(2):80-83. June 29, 1966. 420 N48J
- 37920 HAMILTON-SMITH, E., and ADAMS, D. J. H. The alleged obligate ectoparasitism of *Myotyphlus jansoni* (Matthews) (Coleoptera: Staphylinidae). *Entomol. Soc. Queensland. J.* 5:44-45. 1966. 420 En823
Rats or bats.
- 37921 HARDEE, D. D., MITCHELL, E. B., and HUDDESTON, P. M. Effect of age, nutrition, sex, and time of day on response of boll weevils [*Anthonomus grandis*] to an attractant from cotton. *Entomol. Soc. Amer. Ann.* 59(5):1024-1025. Sept. 1966. 420 En82
- 37922 EL HARIRI, G. Laboratory studies on the reproduction of *Adalia bipunctata* (Coleoptera, Coccinellidae). *Entomol. Exp. Appl.* 9(2):200-204. 1966. 421 En895
- 37923 HARWOOD, W. G., and RUDINSKY, J. A. The flight and olfactory behavior of checkered beetles (Coleoptera: Cleridae) predatory on the Douglas-fir beetle [*Dendroctonus pseudotsugae*]. *Oreg. Agr. Exp. Sta. Tech. Bull.* 95, 36 p. Ref. p.34-36. July 1966. 100 Or3S
Enoclerus spegwey, *E. lecontei*, and *Thanasimus undatulus*, as predators.
- 37924 HODEK, I. Bionomics and ecology of predaceous Coccinellidae. *Annu. Rev. Entomol.* 12:79-104. 1967. 421 An72
- 37925 HOLMSEN, H., HOLMSEN, I., and BERNHARDSEN, A. Microdetermination of adenosine di-phosphate and adenosine triphosphate in plasma with the firefly luciferase system. *Anal. Biochem.* 17(3):456-473. Ref. Dec. 1966. 351 An13

- 37926 JERATH, M. L., and UNNY, K. L. Larvae of six species of genus *Aphodius* from Eastern Nigeria (Coleoptera: Scarabaeidae). *Coleopt. Bull.* 19(3):91-95. Sept. 1965. 421 C674
- 37927 JOHNSON, C. A further note on the foodplants of *Liophloeus tessulatus* (Müll.) (Col., Curculionidae). *Entomol. Mon. Mag.* 101(1217/1219): 268. Oct./Dec. 1965. 421 En86
- 37928 JOHNSON, N. E., LAWRENCE, W. H., and ELLIS, I. D. Seasonal occurrence of ground beetles (Coleoptera: Carabidae) in three habitats in southwestern Washington. *Entomol. Soc. Amer. Ann.* 59(6):1055-1059. Nov. 1966. 420 En82
Seed-eating carabids in forests.
- 37929 JONES, C. M. Laboratory rearing and studies of *Aleochara tristis* Gravenhorst, a parasite-predator of the face fly [*Musca autumnalis*]. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:80. 1966, pub. 1967. 422.12 N81
- 37930 KABIR, A. K. M. F., and GIESE, R. L. The Columbian timber beetle, *Corythylus columbianus* (Coleoptera: Scolytidae). I-II. *Entomol. Soc. Amer. Ann.* 59(5):883-902. Ref. Sept. 1966. 420 En82
I, Biology of the beetle; II, Fungi and staining associated with the beetle in soft maple [*Acer saccharinum*].
- 37931 KARLIKOWSKI, T. An experiment for determining changes in *Melolontha melolontha* and *M. hippocastani* populations in Poland during 1951-1960 in relation to meteorological factors. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 274/278:79-148, map. Ref. 1965. 99.9 W263
German summary.
Forest pests.
- 37932 KAUFMANN, T. Observations on some factors which influence aggregation by *Blaps sulcata* (Coleoptera: Tenebrionidae) in Israel. *Entomol. Soc. Amer. Ann.* 59(4):660-664. July 1966. 420 En82
- 37933 KING, E. W., and HOLMAN, J. R. The determination of population size by measurement of response to the physical environment. *Entomol. Soc. Amer. Ann.* 59(6):1200-1205. Nov. 1966. 420 En82
Lasioderma serricorne, test insect.
- 37934 KLINGLER, J. The location of the CO₂-chemoreceptors in the larva of *Otiorynchus sulcatus*. (Ge) *Entomol. Exp. Appl.* 9(2):271-277. Ref. 1966. 421 En895
English summary.
- 37935 LE BERRE, J. R. Variations in the flight capacity of an insect as a function of age; *Leptinotarsa decemlineata* Say. (Coleoptera, Chrysomelidae). (Fr) *Acad. Sci. Compt. Rend.* Ser. D, 263(13):913-916. Sept. 26, 1966. 505 P21
- 37936 LLOYD, J. E. Studies on the flash communication system in *Photinus* fireflies. *Mich. Univ. Mus. Zool. Misc. Publ.* 130, 95 p., map. Ref. Nov. 25, 1966. 410.9 M58M
- 37937 LUFF, M. L. Cold hardness of some beetles living in grass tussocks. *Entomol. Exp. Appl.* 9(2):191-199. Ref. 1966. 421 En895
Stenus clavicornis, *Dromius melanocephalus*, and *D. linearis*.
- 37938 LUFF, M. L. A list of Coleoptera occurring in grass tussocks. *Entomol. Mon. Mag.* 101(1217/1219):240-245. Oct./Dec. 1965. 421 En86
- 37939 MASLOV, A. D. Biology of Buprestidae (Coleoptera), pests of elm plants in the Rostov Region. (Rus) *Zool. Zh.* 45(11):1650-1658. Ref. 1966. 410 R92
English summary.
- 37940 MASURAT, G. Comparative study on the phenology of economically important insect pests. (Ge) *Arch. Pflanzenschutz* 2(1):3-37. Ref. 1966. 464.8 Ar2
English summary.
Chiefly development and distribution of *Meligethes aeneus*, *Pegomya betae* and *Leptinotarsa decemlineata*.
- 37941 MCCAPRA, F. The chemiluminescence of organic compounds. *Chem. Soc. Quart. Rev.* 20(4):485-510. Ref. 1966. 382 L84Q
Includes luciferin from *Photinus pyralis*.
- 37942 MCCULLOUGH, T. Compounds found in the defensive scent glands of *Harpalus caliginosus* (Coleoptera: Carabidae). *Entomol. Soc. Amer. Ann.* 59(5):1020-1021. Sept. 1966. 420 En82
- 37943 MCCULLOUGH, T. Feeding habits of *Calosoma scrutator* in captivity (Coleoptera: Carabidae). *Entomol. Soc. Amer. Ann.* 59(4):864. July 1966. 420 En82
- 37944 MCCULLOUGH, T. Quantitative determination of salicylaldehyde in the scent fluid of *Calosoma macrum*, *C. alternans* sayi, *C. affine*, and *C. parvicollis* (Coleoptera: Carabidae). *Entomol. Soc. Amer. Ann.* 59(5):1018. Sept. 1966. 420 En82
- 37945 MCCLAUGHLIN, R. E., BELL, M. R., and VEAL, S. D. Bacteria and fungi associated with dead boll weevils (*Anthonomus grandis*) in a natural population. *J. Invertebrate Pathol.* 8(3):401-408. Ref. Sept. 1966. 421 J826
- 37946 MILLER, P. L. The supply of oxygen to the active flight muscles of some large beetles. *J. Exp. Biol.* 45(2):285-304. Ref. Oct. 1966. 442.8 B77
Chiefly *Petrogna gigas*.
- 37947 MITLIN, N., and MAULDIN, J. K. Uric acid in nitrogen metabolism of the boll weevil: a preliminary study. *Entomol. Soc. Amer. Ann.* 59(4):651-653. Ref. July 1966. 420 En82
Anthonomus grandis.
- 37948 PASS, B. C., and VANMETER, C. L. A method for extracting eggs of the alfalfa weevil [*Hypera postica*] from stems of alfalfa. *J. Econ. Entomol.* 59(5):1294. Oct. 1966. 421 J822
- 37949 ROUDIER, A., and MAHOUX, G. Notes on morphology of Orthochaetes (*Styphlus*) *tissoti* Desbr. and *Acalles* *ptinoides* (Marsh.) (Col., Curculionidae). (Fr) *Soc. Entomol. France. Bull.* 71(1/2):11-13. Jan./Feb. 1966. 420 F84B
- 37950 RYBALKO, A. P. Ecological and faunistic survey of *Bruchidae* (Coleoptera) in the steppe zone of the Ukraine. (Rus) *Zool. Zh.* 45(10):1493-1503. Ref. 1966. 410 R92
English summary.
- 37951 EL-SAWAF, S. K., HAMMAD, S. M., and ABDEL-FATTAH, M. I. The morphology of the adult flea-beetle, *Phyllotreta cruciferae* Goeze (Coleoptera, Chrysomelidae), with a histological study of its alimentary canal. *Alexandria J. Agr. Res.* 13(2):121-151. Ref. p.146-147. July 1965. 24 AL2
- 37952 SIEW, Y. C. Some physiological aspects of adult reproductive diapause in *Galeruca tanacetii* (L.) (Coleoptera: Chrysomelidae). *Roy. Entomol. Soc. London. Trans.* 118(11):359-374. Ref. Dec. 30, 1966. 420 L84
- 37953 SINGH, D., and SINGH, S. Notes on the bionomics of *Tanymeus indicus* Faust (Curculionidae: Coleoptera). *Plant Protect. Bull.* 16(3/4):28-35. 1964, pub. 1966. 421 P69
- 37954 SMITH, S. G. Natural hybridization in the coenocline genus *Chilocorus*. *Chromosoma* 18(3):380-406, map. Ref. 1966. 442.8 C46
The twice-stabbed lady beetle common name unwittingly applied to three species, *Chilocorus stigma* (= *bivulnerus*), *C. hexacyclus*, and *C. tricyclus*.
- 37955 STERLING, W. L., and ADKISSON, P. L. An artificial diet for laboratory cultures of boll weevil [*Anthonomus grandis*] larvae and adults. *J. Econ. Entomol.* 59(5):1074-1077. Ref. Oct. 1966. 421 J822
- 37956 STRAMBI, C., and ZYLBERBERG, L. The existence of a bacterium pouch and the cellular differentiation in the proctodaeum of *Catopidae* Coleoptera. (Fr) *Acad. Sci. Compt. Rend.* Ser. D, 263(21):1593-1595. Nov. 21, 1966. 505 P21
- 37957 TEPPNER, H. Chromosome numbers of some central European *Cerambycidae* (Coleoptera). (Ge) *Chromosoma* 19(1):113-125. Ref. 1966. 442.8 C46
- 37958 TOSKINA, I. N. Ecology of early developmental stages of some Anobiidae. (Rus) *Zool. Zh.* 45(11):1644-1649. 1966. 410 R92
English summary.
- 37959 WARNE, A. C. *Dytiscidae* (Col.) in Nottinghamshire, Lincolnshire and Derbyshire. *Entomol. Mon. Mag.* 101(1217/1219):253. Oct./Dec. 1965. 421 En86

- 37960 WASSELL, J. L. H. Coprophagous weevils (Coleoptera: Curculionidae). Entomol. Soc. Queensland, J. 5:73-74. 1966. 420 En823
Tentegia ingrata and T. bisignata.
- 37961 WEBER, F. Contribution to the karyotype analysis of the ground beetle genus Carabus L. (Coleoptera). (Ge) Chromosoma 18(3):437-476. Ref. 1966. 442.8 C46
English summary.
23 spp. studied.
- 37962 WEINER, B. A., and others. Oxygen concentration in larval hemolymph of the Japanese beetle, Popillia japonica, infected with Bacillus popilliae. J. Invertebrate Pathol. 8(3):308-313. Sept. 1966. 421 J826
W. F. Kwolek, G. St. Julian, H. H. Hall, and R. W. Jackson, joint authors.
- 37963 WILSON, S. P., KYLE, W. H., and BELLS, A. E. The effects of mating systems and selection on pupal weight in Tribolium [castaneum. Genet. Res. 9(3):341-351. Ref. Nov. 1965. 443.8 G283
- 37964 YINON, U., and SHULOV, A. Spectral discriminative ability of larvae of Trogoderma granarium Everts. Entomol. Exp. Appl. 9(2):256-270. Ref. 1966. 421 En895
- Diptera
- 37965 ALEKSEEV, N. K. Plankton feeding of Chironomidae during the larval stage. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:19-21. 1965. 442.8 N22
- 37966 BAERWALD, R. J., and BOUSH, G. M. The development of a nondiapausing race of apple maggot. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:125. 1966, pub. 1967. 422.12 N81
Rhagoletis pomonella.
- 37967 BALLARD, R. C. A study of electrocardiograms from intact male and female house-flies. Entomol. Soc. Amer. Ann. 59(4):619-627. July 1966. 420 En82
Musca domestica.
- 37968 BARLOW, J. S. Effects of diet on the composition of fat body in Lucilia sericata (Meigen). Nature 212(5069):1478-1479. Dec. 24, 1966. 472 N21
- 37969 BAY, E. C., INGRAM, A. A., and ANDERSON, L. D. Physical factors influencing chironomid infestation of water-spreading basins. Entomol. Soc. Amer. Ann. 59(4):714-719. July 1966. 420 En82
Larvae.
- 37970 BISHOP, L. G., and KEEHN, D. G. Two types of neurones sensitive to motion in the optic lobe of the fly. Nature 212(5068):1374-1376. Dec. 17, 1966. 472 N21
Eucalliphora lilaea, Musca domestica, and Calliphora vicina.
- 37971 BRYDON, H. W. A core sampler for immature flies in poultry manure. J. Econ. Entomol. 59(5):1313. Oct. 1966. 421 J822
- 37972 BUYANOVA, O. F. The fauna, phenology and seasonal prevalence of mass species of midges of the genus Culicoides (Diptera, Heleidae) in the zone of the Krasnoyarsk hydropower station. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):539-545. Sept./Oct. 1966. 448.8 M469
English summary.
- 37973 CHANDLER, P. J. Two new rearing records of Phoridae (Diptera). Entomol. Rec. J. Variation 78(7/8):185. July/Aug. 1966. 421 En89
Triphleba lugubris and Megaselia hyalipennis.
- 37974 CUNNINGHAM, R. T. Sex identification of pupae of three species of fruit flies (Diptera: Tephritidae). Entomol. Soc. Amer. Ann. 59(4):864-865. July 1966. 420 En82
Ceratitis capitata, Dacus cucurbitae and Dacus dorsalis.
- 37975 DYCE, A. L., and MURRAY, M. D. Notes on the pupal behaviour and collection of larvae and pupae of some Australian Culicoides (Diptera: Ceratopogonidae). Entomol. Soc. Queensland, J. 5:37-39. 1966. 420 En823
- 37976 EASTWOOD, R., and SCHOENBURG, R. An evaluation of two methods for extracting Diptera larvae from poultry droppings. J. Econ. Entomol. 59(5):1286. Oct. 1966. 421 J822
- 37977 FERRIS, J. M., and FERRIS, V. R. Observations on Tetradonema plicans, an entomoparasitic nematode, with a key to the genera of the family Tetradonematidae (Nematoda: Trichostrongylidae). Entomol. Soc. Amer. Ann. 59(5):964-971. Ref. Sept. 1966. 420 En82
Parasitizing Bradysia coprophila.
- 37978 FORER, A. Characterization of the mitotic traction system, and evidence that birefringent spindle fibers neither produce nor transmit force for chromosome movement. Chromosoma 19(1):44-98. Ref. 1966. 442.8 C46
Effect of radiation on Nephrotoma suturalis.
- 37979 GALBRAITH, M. N., and HORN, D. H. S. An insect-moulting hormone from a plant. Chem. Commun. 24:905-906. Dec. 28, 1966. 382 C4223
Substance from Podocarpus elatus found in Calliphora; possible insecticidal value indicated.
- 37980 GARRETT, D. A. The sensory responses of the house fly, Musca domestica Linn., to attractants. Diss. Abstr., Sect. B. 27(1):16B-17B. July 1966. Z5055, U49D53
- 37981 GEISSLER, K. Morphological and ecological studies of the pea gall midge Contarinia pisi Winn. (Ge) Arch. Pflanzenschutz 2(1):39-75. Ref. 1966. 464.8 Ar2
English summary.
- 37982 GELPERIN, A. Post-ingestion factors in the regulation of food intake by the blowfly, Phormia regina. Diss. Abstr., Sect. B. 27(5):1654B. Nov. 1966. Z5055, U49D53
- 37983 GILLARY, H. L. Quantitative electrophysiological studies on the mechanism of stimulation of the salt receptor of the blowfly. Diss. Abstr., Sect. B. 27(1):283B. July 1966. Z5055, U49D53
With alkali halide solutions.
- 37984 GLASGOW, J. P. Recent fundamental work on tsetse flies. Annu. Rev. Entomol. 12:421-438. 1967. 421 An72
Ecology of Glossina spp.
- 37985 GOODIER, R. Observations on the seasonal incidence and distribution of Tabanidae (Diptera) in Southern Rhodesia. Entomol. Mon. Mag. 101(1217/1219):230-239, map. Ref. Oct./Dec. 1965. 421 En86
- 37986 GUPTA, B. L., and BERRIDGE, M. J. A coat of repeating subunits on the cytoplasmic surface of the plasma membrane in the rectal papillae of the blowfly, Calliphora erythrocephala (Meig.), studied in situ by electron microscopy. J. Cell Biol. 29(2):376-382. Ref. May 1966. 442.8 J828
- 37987 HAMRUM, C. L. Notes on the biology of common Minnesota Syrphinae species. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:20-22. Ref. 1966, pub. 1967. 422.12 N81
- 37988 HARDEE, D. D., MITCHELL, E. B., and HUDDLESTON, P. M. Chemoreception of attractants from the cotton plant by boll weevils, Anthonomus grandis (Coleoptera: Curculionidae). Entomol. Soc. Amer. Ann. 59(4):867-868. July 1966. 420 En82
- 37989 HARRIS, K. M. Preliminary notes on spermathecal structure in British Pipunculidae (Diptera). Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 41(7/9):130-132. Sept. 27, 1966. 420 L84Pa
- 37990 HESLOP, J. P. Topically applied n-decyl acetate as a precursor for metabolic investigations in insects. Nature 213(5073):291. Jan. 21, 1967. 472 N21
Calliphora erythrocephala.
- 37991 HINTON, H. E. The spiracular gill of the fly, Antocha bifida, as seen with the scanning electron microscope [Limoninae (Tipulidae)]. Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 41(7/9):107-115. Sept. 27, 1966. 420 L84Pa

- 37992 HOUSE, H. L. Effect of temperature on the nutritional requirements of an insect, *Pseudoscorpapha affinis* Auct. nec Fallen (Diptera: Sarcophagidae), and its probable ecological significance. *Entomol. Soc. Amer. Ann.* 59(6): 1263-1267. Ref. Nov.1966. 420 En82
- 37993 HSIAO, C., and FRAENKEL, G. Neurosecretory cells in the central nervous system of the adult blowfly *Phormia regina* Meigen (Diptera: Calliphoridae). *J. Morphol.* 119(1):21-30. Ref. May 1966. 444.8 3826
- 37994 KELLEHER, J. S. The parasite *Doryphorophaga doryphorae* (Diptera: Tachinidae) in relation to populations of the Colorado potato beetle [*Leptinotarsa decemlineata*] in Manitoba. *Entomol. Soc. Amer. Ann.* 59(6):1059-1061. Nov.1966. 420 En82
- 37995 LEGNER, E. F., BAY, E. C., and MEDVED, R. A. Behavior of three native pupal parasites of *Hippelates collusor* in controlled systems. *Entomol. Soc. Amer. Ann.* 59(5):977-984. Sept. 1966. 420 En82
- 37996 LEGNER, E. F., OLTON, G. A., and ESKAFI, F. M. Influence of physical factors on the developmental stages of *Hippelates collusor* in relation to the activities of its natural parasites. *Entomol. Soc. Amer. Ann.* 59(4):851-861. Ref. July 1966. 420 En82
- 37997 LEHRER, A. Z. Quelques donnees bio-morphologiques sur l'espece *Discachaeta cucullans* Pandelle 1896 (fam. Sarcophagidae, Diptera) [Some bio-morphological data on the species *Discachaeta cucullans* Pandelle 1896 (fam. Sarcophagidae, Diptera)]. *Soc. Roy. Entomol. Belg. Bull. Ann.* 102(12):197-200. Mar.1966. 420 B41
- 37999 LENNIE, R. W., and BIRT, L. M. Aspects of the development of flight-muscle sarcosomes in the sheep blowfly, *Lucilia cuprina*, in relation to changes in the distribution of protein and some respiratory enzymes during metamorphosis. *Biochem. J.* 102(1):338-350. Ref. Jan. 1967. 382 B52
- 37999 LEWIS, T. An analysis of components of wind affecting the accumulation of flying insects near artificial windbreaks. *Ann. Appl. Biol.* 58(3):365-370. Dec.1966. 442.8 An'2
- 38000 Proximity of Cecidomyiidae, Mycetophilidae, and Aphididae to fences.
- 38000 MATHEWS, H. B., and HODGSON, E. Naturally occurring inhibitor (s) of microsomal oxidations from the house fly. *J. Econ. Entomol.* 59(5):1286-1288. Oct.1966. 421 J822
- 38001 Enzyme inhibitors not yet isolated.
- 38001 MCCANN, F. V. Curare as a neuromuscular blocking agent in insects. *Science* 154(3752): 1023-1024. Nov.25.1966. 470 Sc12
- 38002 Tested in *Sarcophaga bullata*.
- 38002 OTA, A. K., and NISHIDA, T. A biological study of *Phytobia* (*Amara*) *maculosa* (Diptera: Agromyzidae). *Entomol. Soc. Amer. Ann.* 59(5):902-911. Ref. Sept.1966. 420 En82
- 38003 PARNELL, J. R. Observations on the larval morphology and life history of *Oleiscocus costalis* Borgmeier (Diptera: Cecidomyiidae) in Jamaica. *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(4/6):51-54. July 8, 1966. 420 L84Pa
- 38004 PAVAN, C. Nucleic acid metabolism in polytene chromosomes and the problem of differentiation. In *Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation*, p.222-241. Ref. 1965. QH573.B7
- 38005 Rhynchosclara angelae (Diptera, Sciaridae). Includes discussion.
- 38005 RAZET, P. Presence of uricase and allantoinase enzymes in Empididae Diptera. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(16):1171-1172. Ref. Oct.17.1966. 505 P21
- 38006 RUBIO, R. E. P., and MCFADDEN, M. W. Isolation and identification of bacteria in the digestive tract of the Mexican fruit fly, *Anastrepha ludens* (Diptera: Tephritidae). *Entomol. Soc. Amer. Ann.* 59(5):1015-1016. Sept.1966. 420 En82
- 38007 SCUDDER, G. G. E. *Hyalomya aldrichii* Townsend (Dipt., Tachinidae), a parasite of *Emblethis vicarius* Horvath (Hem., Lygaeidae). *Entomol. Mon. Mag.* 101(1217/1219):286. Oct./Dec.1965. 421 En86
- 38009 SHAMSUDDIN, M. Behaviour of larval tabanids (Diptera: Tabanidae) in relation to light, moisture, and temperature. *Quaestiones Entomol.* 2(4):271-302. Ref. Oct.3.1966. 421 Q2
- 38009 *Tabanus reinwardtii*, *Chrysops furcata*, and *C. mitis*.
- 38009 SHCHERBAKOV, E. S. Seasonal dynamics of black fly (Simuliidae, Diptera) larvae populations with different karyotypes and genome polymorphism. (Rus) *Zhur. Obsch. Biol.* 26(6):653-666. Ref. Nov./Dec.1965. 442.8 Z6
- 38010 English summary.
- 38010 STEELE, W. F. Oxidative phosphorylation and related reactions in particulate fractions from insects. *Diss. Abstr., Sect. B.* 27(1):89B. July 1966. Z5055.U49D53
- 38011 *Phormia regina* and *Musca domestica*.
- 38011 STEGMAIER, C. E. A leaf miner on *Lantana* [camara] (Diptera, Agromyzidae). *Fla. Entomol.* 49(3):151-152. Sept.1966. 420 F662
- 38012 *Ophiomyia camarae*.
- 38012 STEGMAIER, C. E. *Liriomyza commelinae*, a leaf miner on *Commelina* in Florida (Diptera, Agromyzidae). *Fla. Entomol.* 49(3):147-149. Sept.1966. 420 F662
- 38013 TANDAN, B. K., and DOGRA, G. S. An in situ study of cystine and cysteine-rich neurosecretory cells in the brain of *Sarcophaga ruficornis* (Fabricius, 1794) (Diptera, Cyclorrhapha). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(4/6):57-66. Ref. July 8,1966. 420 L84Pa
- 38014 TARSHIS, I. B. A method of shipping live larvae of *Simulium vittatum* long distances (Diptera: Simuliidae). *Entomol. Soc. Amer. Ann.* 59(4):866-867. July 1966. 420 En82
- 38015 TURNER, E. C., and HAIR, J. A. Effect of temperature on certain life stages of the face fly *Musca autumnalis*. *J. Econ. Entomol.* 59(5): 1275-1276. Oct.1966. 421 J822
- 38016 WILLIAMS, R. W. *Culicoides* (Diptera: Ceratopogonidae) in the vicinity of Ibadan, Nigeria, with special reference to *Cocca* pods as a breeding habitat. *Entomol. Soc. Amer. Ann.* 59(4):862. July 1966. 420 En82

Culicidae

- 38017 BAKER, R. H., KITZMILLER, J. B., and CHOWDAIAH, B. N. The salivary gland chromosomes of *Anopheles hectoris*. *Chromosoma* 19(1):126-136. 1966. 442.8 C46
- 38018 BLAKESLEE, T. E., and others. Maintenance of a laboratory colony of *Aedes dorsalis* Meigen by induced copulation. *Calif. Vector Views* 13(5):39-40. May 1966. 449.8 C12
- 38019 P. T. Rigby, G. Paul, and G. Bomotti, joint authors.
- 38019 BLAKESLEE, T. T., RIGBY, P. T., and BOMOTTI, G. An *Aedes dorsalis* Meigen gynandromorph. *Calif. Vector Views* 13(5):41. May 1966. 449.8 C12
- 38020 BOORMAN, J. Aseptic rearing of *Aedes aegypti* Linn. *Nature* 213(5072):197-198. Jan.14, 1967. 472 N21
- 38021 CLARK, T. B. A method for the inoculation of mosquito larvae. *J. Invertebrate Pathol.* 8(3): 425-426. Sept.1966. 421 J826
- 38022 Includes equipment and technique.
- 38022 CLARK, T. B., and others. *Pythium* sp. (Phycomycetes: Pythiales) pathogenic to mosquito larvae. *J. Invertebrate Pathol.* 8(3):351-354. Sept.1966. 421 J826
- 38023 W. R. Kellen, J. E. Lindgren, and R. D. Sanders, joint authors.
- 38023 *Aedes sierrensis*.
- 38023 CRAIG, G. B., HICKEY, W. A. Genetic variability in *Aedes aegypti* (Diptera: Culicidae). IV. Mutation load in some African populations. *Entomol. Soc. Amer. Ann.* 59(6):1228-1234. Ref. Nov.1966. 420 En82

- 38024 DEÑER, K. R. The effect of photoperiod on the mosquito *Anopheles freeborni* Aitken (Diptera: Culicidae). Diss. Abstr., Sect. B, 27(1): 3B-4B. July 1966. Z5055.U49D53
- 38025 CERNET, G. VON, and BUEGER, G. Labral and cibarial sense organs of some mosquitoes. *Cuestiones Entomol.* 2(4):259-270. Ref. Oct. 3, 1966. 421 Q2
- 38026 GIGLIOLI, M. E. C., and MASON, G. F. The mating plug in anopheline mosquitoes. *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(7/9):123-129. Sept. 27, 1966. 420 L84Pa
- 38027 KELLEN, W. R., and others. A cytoplasmic-polyhedrosis virus of *Culex tarsalis* (Diptera: Culicidae). *J. Invertebrate Pathol.* 8(3):390-394. Sept. 1966. 421 J826
T. B. Clark, J. E. Lindegren, and R. D. Sanders, joint authors.
- 38028 KELLEN, W. R., and others. Transovarian transmission of some *Theohania* (Nosematidae: Microsporidia) in mosquitoes of California and Louisiana. *J. Invertebrate Pathol.* 8(3): 355-359. Sept. 1966. 421 J826
H. C. Chapman, T. B. Clark, and J. E. Lindegren, joint authors.
- 38029 KUKHARCHUK, L. P. Fauna and ecology of bloodsucking mosquitoes in the middle taiga subzone of West Siberia. (Rus) *Zool. Zh.* 45 (11):1732-1733. 1966. 410 R92
English summary.
- 38030 LANG, C. A., and STEPHAN, J. K. Nicotinamide-adenine dinucleotide phosphate enzymes in the mosquito [*Aedes aegypti*] during growth and aging. *Biochem. J.* 102(1):331-337. Ref. Jan. 1967. 382 B52
- 38031 LARSON, L. V. The association of *Vorticella* and *Epistylis* (Protozoa: Ciliata) with mosquito larvae. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:73-76. Ref. 1966, pub. 1967. 422.12 N81
- 38032 MODEL, H. M., and MISHAEVA, N. P. Studies of the fauna and ecology of bloodsucking mosquitoes in the Gomel Region of the Byelorussian SSR. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):607-609. Sept./Oct. 1966. 448.8 M469
English summary.
- 38033 NAYAR, J. K. A method of rearing salt-marsh mosquito [*Aedes taeniorhynchus*] larvae in a defined sterile medium. *Entomol. Soc. Amer. Ann.* 59(6):1263-1265. Ref. Nov. 1966. 420 En82
- 38034 NICOLI, R. M., and others. Classification of breeding places of the larvae of Culicidae in Corsica (Diptera). (Fr) *Soc. Entomol. France. Bull.* 71(1/2):14-17. Jan./Feb. 1966. 420 F84B
J. Nicoli, J. Ranque, M. Quilici and P. Lanzalavi, joint authors.
- 38035 PELEG, J. Growth of *Aedes aegypti* embryonic cells and tissues in vitro. *Experientia* 22(8): 555-556. Aug. 15, 1966. 475 Ex7
- 38036 SHUMKOV, M. A. Methods of detection of *Aedes* mosquito eggs in the soil. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):615-616. Sept./Oct. 1966. 448.8 M469
English summary.
- 38037 SPIELMAN, A., and WILLIAMS, C. M. Lethal effects of synthetic juvenile hormone on larvae of the yellow fever mosquito, *Aedes aegypti*. *Science* 154(3752):1043-1044. Nov. 25, 1966. 470 Sci2
- 38038 SUTOR, E. C., CHANG, L. L., and LIU, H. H. Establishment and characterization of a clone from Grace's in vitro cultured mosquito (*Aedes aegypti* L.) cells. *Exp. Cell Res.* 44(2/3):572-578. Nov./Dec. 1966. 442.8 Ex7
- 38039 SULLIVAN, W. N., and others. Viability of eggs and survival of larvae of the yellow-fever mosquito [*Aedes aegypti*] subjected to ultracentrifugation. *J. Econ. Entomol.* 59(5):1307-1308. Oct. 1966. 421 J822
J. D. Rosenthal, L. A. Terzian, and C. L. Grahm, joint authors.
- 38040 VINOGRADOVA, E. B. Stenogamy of *Culex modestus* Fie. (Diptera, Culicidae). (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):607. Sept./Oct. 1966. 448.8 M469
English summary.
- 38041 WRIGHT, J. E., KAPPUS, K. D., and VENARD, C. E. Swarming and mating behavior in laboratory colonies of *Aedes triseriatus* (Diptera: Culicidae). *Entomol. Soc. Amer. Ann.* 59(6): 1110-1112. Nov. 1966. 420 En82

Drosophila

- 38042 BECKMAN, C. R. A study of the effects of age and strain on copulation time, premating period, and reproductive ability in *Drosophila melanogaster*. Diss. Abstr., Sect. B, 27(1):327B. July 1966. Z5055.U49D53
- 38043 BOYD, J. B., and MITCHELL, H. K. Turnover of the hemolymph proteins of *Drosophila melanogaster*. *Arch. Biochem. Biophys.* 117(2): 310-319. Ref. Nov. 1966. 381 Ar2
- 38044 BRINK, N. G. A critique concerning the detection of replicating instabilities in *Drosophila*. *Mutation Res.* 3(4):362-364. Aug. 1966. 443.8 M98
- 38045 BURDETTE, W. J., and YOON, J. S. Mutations, chromosomal aberrations, and tumors in insects treated with oncogenic virus. *Science* 155 (3760):340-341. Jan. 20, 1967. 470 Sci2
Drosophila melanogaster treated with Rous sarcoma virus.
- 38046 CAMPAN, M. Quantitative study of the facilitation exerted by vibratory stimulations on the geokinesis and photokinesis in *Drosophila melanogaster* Meigen. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(3):672-674. 1966. 442.9 P21
- 38047 CAMPOS ROSADO, J. M., and ROBERTSON, A. The genetic control of sex ratio. *J. Theor. Biol.* 13:324-329. Ref. Dec. 1966. 442.8 J8223
Includes *Drosophila melanogaster*.
- 38048 CHANDLEY, A. C. Studies on oogenesis in *Drosophila melanogaster* with H-thymidine label. *Exp. Cell Res.* 44(1):201-215. Ref. Oct. 1966. 442.8 Ex7
- 38049 CLEVER, U. Chromosomal changes associated with differentiation. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.242-253. Ref. 1965. QH573.B7
Includes *Drosophila* and *Chironomus*. Includes discussion.
- 38050 CUNHA, A. B. da, and others. On the origin of new lethal chromosomal and its rate in laboratory populations of *Drosophila willistoni*. *Mutation Res.* 3(5):458-460. Oct. 1966. 443.8 M98
L. E. de Magalhães, J. S. de Toledo, S. A. Toledo, and H. M. L. de Souza, joint authors.
- 38051 DAVID, J., and MERLE, J. Physiological adaption to an antagonist of folic acid in female *Drosophila*, the probable mechanism of this adaption. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1123-1126. Oct. 17, 1966. 505 P21
Aminopter in *Drosophila melanogaster*.
- 38052 DAWOOD, M. M. Sensitivity of homozygous and lethal heterozygous genotypes of *Drosophila melanogaster* to cold and hot shocks during pre-adult developmental stages. *Alexandria J. Agr. Res.* 13(2):107-119. July 1965. 24 AL2
- 38053 DAY, J. W., and GRELL, R. F. Radiation-induced non-disjunction and loss of chromosomes in *Drosophila melanogaster* females. II. Effects of exchange and structural heterozygosity. *Mutation Res.* 3(6):503-509. Ref. Dec. 1966. 443.8 M98
X-rays.
- 38054 DYER, K. F. Fitness and competitive ability in irradiated populations of *Drosophila melanogaster*. *Mutation Res.* 3(4):327-339. Ref. Aug. 1966. 443.8 M98
X-rays.
- 38055 EPLER, J. L. Ethyl methanesulfonate-induced lethals in *Drosophila*—frequency-dose relations and multiple mosaicism. *Genetics* 54(1, pt. 1): 31-36. Ref. July 1966. 442.8 G28
- 38056 FRASER, A., BURNELL, D., and MILLER, D. Simulation of genetic systems. X. Inversion polymorphism. *J. Theor. Biol.* 13:1-14. Ref. Dec. 1966. 442.8 J8223
Drosophila.

- 38057 FRISTROM, J. W., and MITCHELL, H. K. The preparative isolation of imaginal discs from larvae of *Drosophila melanogaster*. *J. Cell Biol.* 27(2):445-448. Nov.1965. 442.8 J828
- 38058 GARCIA-BELLIDO, A. Changes in selective affinity following transdetermination in imaginal disc cells of *Drosophila melanogaster*. *Exp. Cell Res.* 44(2/3):382-392. Ref. Nov./Dec.1966. 442.8 Ex7
- 38059 GHELELOVITCH, S. Sensitivity of *Drosophila melanogaster* (Meig.) eggs to the lethal effect of ultraviolet rays. I. Evolution of sensitivity with embryonic age. (Fr) *Int. J. Radiat. Biol.* 11(3):255-271. Ref. 1966. 444.8 In8
English summary.
- 38060 HADORN, E. Problems of determination and transdetermination. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.148-161. Ref. 1965. QH573.B7
Includes *Drosophila melanogaster*.
Includes discussion.
- 38061 HILLMAN, R. Histophenotype of the antennaless mutation in *Drosophila melanogaster*. *J. Hered.* 57(3):81-83. May/June 1966. 442.8 Am3
- 38062 JAZDOWSKA-ZAGRODZINSKA, B. Experimental studies on the role of "polar granules" in the segregation of pole cells in *Drosophila melanogaster*. *J. Embryol. Exp. Morphol.* 16(3):391-399. Ref. Dec.1966. 442.8 J829
- 38063 KARAM, J. D. Studies on the three loci which control xanthine dehydrogenase in *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(1):78B. July 1966. Z5055.U49D53
- 38064 MALICK, L. E., and KIDWELL, J. F. The effect of mating status, sex and genotype on longevity in *Drosophila melanogaster*. *Genetics* 54(1,pt.1):203-209. Ref. July 1966. 442.8 G28
- 38065 OGAKI, M., and NAKASHIMA-TANAKA, E. Inheritance of radioresistance in *Drosophila melanogaster*. *L. Mutation Res.* 3(5):438-443. Ref. Oct.1966. 443.8 M98
Gamma rays.
- 38066 PAUL, J. S. Quantitative biophysical and cytochemical studies of polytene chromosomes. *Diss. Abstr.*, Sect. B, 27(1):45B-46B. July 1966. Z5055.U49D53
In *Drosophila melanogaster*.
- 38067 PAYLOVSKY, O., and DOBZHANSKY, T. Genetics of natural populations. XXXVII. The co-adapted system of chromosomal variants in a population of *Drosophila pseudoobscura*. *Genetics* 53(5):843-854. Ref. May 1966. 442.8 G28
- 38068 PETTY, B. J., and RASCH, R. W. Tritiated-histidine incorporation into *Drosophila salivary* chromosomes. *J. Cell. Physiol.* 68(3):325-333. Ref. Dec.1966. 444.8 J822
- 38069 SANKARANARAYANAN, K. Some components of the genetic loads in irradiated experimental populations of *Drosophila melanogaster*. *Genetics* 54(1,pt.1):121-130. Ref. July 1966. 442.8 G28
- 38070 SCHULTZ, J. Genes, differentiation, and animal development. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.116-147. Ref. 1965. QH573.B7
Includes *Drosophila melanogaster*.
Includes discussion.
- 38071 SHoup, J. R. The development of pigment granules in the eyes of wild type and mutant *Drosophila melanogaster*. *J. Cell Biol.* 29(2):223-249. Ref. May 1966. 442.8 J828
Electron microscopy used.
- 38072 TOBLER, H. Cell specific determination and the relationship between proliferation and transdetermination in leg and wing primordia in *Drosophila melanogaster*. (Ge) *J. Embryol. Exp. Morphol.* 16(3):609-633. Ref. Dec.1966. 442.8 J829
English summary.
- 38073 TOKUNAGA, C., and ARNHEIM, N. Age dependence of the locations of X-ray induced somatic crossing over in *Drosophila*. *Genetics* 54(1,pt.1):267-276. Ref. July 1966. 442.8 G28
Drosophila melanogaster.
- 38074 WATSON, W. A. F. Further evidence of an essential difference between the genetical effects of mono- and bifunctional alkylating agents. *Mutation Res.* 3(5):455-457. Oct.1966. 443.8 M98
Drosophila.
- 38075 YOON, J. S. Genetic X-radiation damage and its modification by some gases and a time factor in *Drosophila melanogaster*. *Diss. Abstr.*, Sect. B, 27(1):337B. July 1966. Z5055.U49D53

Hemiptera (Heteroptera and Homoptera)

- 38076 AUCLAIR, J. L. Dissimilarities in the biology of the pea aphid, *Acyrtosiphon pisum* (Homoptera: Aphidae), on alfalfa and peas in New Mexico. *Entomol. Soc. Amer. Ann.* 59(4):780-786. Ref. July 1966. 420 En82
- 38077 AUCLAIR, J. L., and RAULSTON, J. R. Feeding of *Lygus hesperus* (Hemiptera: Miridae) on a chemically defined diet. *Entomol. Soc. Amer. Ann.* 59(5):1016-1017. Sept.1966. 420 En82
- 38078 BALL, J. C., and JENSEN, D. D. Sexual dimorphism in nymphs of *Psylla pyricola* (Hemiptera: Psyllidae). *Entomol. Soc. Amer. Ann.* 59(6):1292-1294. Nov.1966. 420 En82
- 38079 BERLOWITZ, L. J. Cytochemical analysis of facultative heterochromatin in a coccid, *Pseudococcus obscurus*. *Diss. Abstr.*, Sect. B, 27(5):1368B. Nov.1966. Z5055.U49D53
- 38080 BHATIA, S. K., and KAUL, H. N. Effect of temperature on the development and oviposition of the red cotton bug *Dysdercus koenigii* (Fabricius) (Hemiptera: Pyrrhocoridae), an application of Pradhan's equation relating temperature to the development. *Indian J. Entomol.* 28(1):45-54. Ref. Mar.1966. 420 In23
- 38081 BOWERS, W. S., and others. Juvenile hormone: identification of an active compound from balsam fir. *Science* 154(3752):1020-1021. Ref. Nov.25,1966. 470 Sci2
H. M. Fales, M. J. Thompson, and E. C. Uebel, joint authors.
With effect on *Pyrrhocoris apterus*.
- 38082 BURNS, D. P., and DAVIDSON, R. H. The amino acids and sugars in honeydew of the tuliptree scale, *Toumeyella liriiodendri*, and in the sap of its host, yellow-poplar [*Liriodendron tulipifera*]. *Entomol. Soc. Amer. Ann.* 59(6):1071-1073. Nov.1966. 420 En82
- 38083 BUTLER, C. D. Development of several predaceous Hemiptera in relation to temperature. *J. Econ. Entomol.* 59(5):1306-1307. Oct.1966. 421 J822
- 38084 CHAMPLAIN, R. A., and SHOLDT, L. L. Rearing *Geocoris punctipes*, a lygus bug [*Lygus hesperus*] predator, in the laboratory. *J. Econ. Entomol.* 59(5):1301. Oct.1966. 421 J822
- 38085 CHAMPLAIN, R. A. Tension development of glycerinated insect muscle fibres as a measure of the conformational state of the myosin. *Biochem. Biophys. Res. Commun.* 24(4):526-530. Aug.23,1966. 442.8 B5236
Lethocerus cordofanus.
- 38086 CHAPPLE, W. D. Motoneuron responses to visual stimuli in *Oncometopia fasciatus* Dallas. *J. Exp. Biol.* 45(3):401-410. Ref. Dec.1966. 442.8 B77
- 38087 DAVIS, N. T. Contributions to the morphology and phylogeny of the Reduviidae (Hemiptera: Heteroptera). III. The male and female genitalia. *Entomol. Soc. Amer. Ann.* 59(5):911-924. Ref. Sept.1966. 420 En82
- 38088 GENTRY, R. T., and WILSON, E. T. A technique for rapid collection of balsam woolly aphid [*Adelges piceae*] eggs. *U. S. Forest Serv. Res. Note* SE-58, 2 p. June 1966. A99.9 F7623Un
- 38089 GILCHRIST, T. L., STANSFIELD, F., and CLOUDSLEY-THOMPSON, J. L. The odoriferous principle of *Piezodorus teretipes* (Stål) (Hemiptera: Pentatomidae). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(4/6):55-56. July 8,1966. 420 L84Pa

- 38090 GOÖDCHILD, A. J. P. Evolution of the alimentary canal in the Hemiptera. Cambridge Phil. Soc. Biol. Rev. 41(1):97-140. Ref. Feb. 1966. 442.9 C14
- 38091 HAFEZ, M. Characteristics of the open empty mummies of the cabbage aphid, *Brevicoryne brassicae* (L.), indicating the identity of the emerged parasites. Agr. Res. Rev. 43(4):85-88. Oct. 1965. 24 Eg94
Hymenoptera in United Arab Republic.
- 38092 HAGLEY, E. A. C., and BLACKMAN, J. A. Site of feeding of the sugarcane froghopper, *Aeneolamia varia saccharina* (Homoptera: Cercopidae). Entomol. Soc. Amer. Ann. 59(6):1289-1291. Nov. 1966. 420 En82
- 38093 HARVEY, T. L. Aphids, dodder (*Cuscuta campestris*), and dodder-host plant interrelations. Entomol. Soc. Amer. Ann. 59(6):1276-1282. Ref. Nov. 1966. 420 En82
- 38094 HINKS, C. F. The dorsal vessel and associated structures in some Heteroptera. Roy. Entomol. Soc. London. Trans. 118(12):375-392. Ref. Dec. 30, 1966. 420 L34
13 spp. in 12 families studied.
- 38095 HINTZ, S. D. The effect of photoperiod on *Therioaphis maculata*. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:132-133. 1966, pub. 1967. 422.12 N81
- 38096 HOELSCHER, C. E. A leafhopper, *Ollarianus strictus* (Cicadellidae) and a hymenopterous parasite, *Lymanon marylandicus* (Mymaridae), reared from Texas citrus. Entomol. Soc. Amer. Ann. 59(4):820-823. July 1966. 420 En82
- 38097 IGLISCH, I. Untersuchungen über die Biologie und phytopathologische Bedeutung der Holunderblattlaus, *Aphis sambuci* L., einer der Aphis-fabae-Gruppe nahe verwandten Art (Homoptera: Aphididae) [Investigations on the biology and phytopathological significance of the elderberry aphid, *Aphis sambuci* L., a species closely related to the Aphis fabae group (Homoptera, Aphididae)]. Berlin. Biol. Bundesanst. Land. Forstwirtschaft. Mitt. 119, 32 p. Ref. Aug. 1966. 410.9 G31M
English summary.
- 38098 JOHNSON, B. Wing polymorphism in aphids. III. The influence of the host plant. Entomol. Exp. Appl. 9(2):213-222. 1966. 421 En895
Aphis craccivora.
- 38099 KAUFMANN, T. Notes on the life history and morphology of *Calidea dregii* (Hemiptera: Pentatomidae: Scutellerini) in Ghana, West Africa. Entomol. Soc. Amer. Ann. 59(4):654-659. July 1966. 420 En82
- 38100 KENNEDY, J. S. The balance between antagonistic induction and depression of flight activity in Aphis fabae Scopoli. J. Exp. Biol. 45(2):215-228. Oct. 1966. 442.8 B77
- 38101 KOCH, A. New works on the symbiosis of plant sap suckers. (Ge) Forsch. Fortsch. 40(4): 110-114. Apr. 1966. 474 F772
Includes *Sitotococcus* spp.
- 38102 KOEHLER, C. S., KATTOULAS, M. E., and FRANKIE, G. W. Biology of *Psylla uncatoides*. J. Econ. Entomol. 59(5):1097-1100. Oct. 1966. 421 J822
- 38103 LAMB, K. P., and WHITE, D. Effect of temperature, starvation and crowding on production of alate young by the cabbage aphid (*Brevicoryne brassicae*). Entomol. Exp. Appl. 9(2):179-184. 1966. 421 En895
- 38104 LEIGH, T. F. A reproductive diapause in *Lygus hesperus* Knight. J. Econ. Entomol. 59(5): 1280-1281. Oct. 1966. 421 J822
- 38105 MADDELL, S. H. P. The site of release of the diuretic hormone in *Rhodnius [prolixus]*—a new neurohaemal system in insects. J. Exp. Biol. 45(3):499-508. Ref. Dec. 1966. 442.8 B77
- 38106 MASSEE, A. M. The aquatic bug, *Apelohelorus montandoni* Hor. (Hem., *Apeloheloridae*) recorded in Kent. Entomol. Mon. Mag. 101 (1217/1219):229. Oct./Dec. 1965. 421 En86
- 38107 MATHUR, S. B., and SRIVASTAVA, R. P. Study of entomogenous fungus *Entomophthora aphidis* Hoffman (Entomophthoraceae, Entomophthorales) parasitic on the spotted alfalfa aphid [*Therioaphis trifolii*]. Indian J. Entomol. 28(1):119-120. Mar. 1966. 420 In23
- 38108 MEISCH, M. V., and RANDOLPH, N. M. Preliminary studies of fluctuations of the three-cornered alfalfa hopper [*Spissitilus festinus*] and beet armyworm [*Spodoptera exigua*] obtained in sweeps made in alfalfa at three periods of the day. J. Econ. Entomol. 59(5):1305-1306. Oct. 1966. 421 J822
- 38109 MITCHELL, R. G. Infestation characteristics of the balsam woolly aphid [*Chermes piceae*] in the Pacific Northwest. U. S. Forest Serv. Res. Paper PNW-35, 18 p. Ref. 1966. A99.9 F7625Uni
Pest of *Abies* spp.
- 38110 MITTLER, T. E., and DADD, R. H. Food and wing determination in *Myzus persicae* (Homoptera: Aphidae). Entomol. Soc. Amer. Ann. 59(6):1162-1166. Nov. 1966. 420 En82
- 38111 MOERICKE, V., and MITTLER, T. E. Oesophageal and stomach inclusions of aphids feeding on various cruciferae. Entomol. Exp. Appl. 9(2):287-297. 1966. 421 En895
Myzus persicae chiefly.
- 38112 ORLANDO, E. Thymidine H³ incorporation in the nurse cells of amphigonic and parthenogenetic ovaries of *Megoura viciae* (Hom. Aph.). *Experientia* 22(10):686-687. Oct. 15, 1966. 475 Ex7
- 38113 POLIVANOVA, E. N. Excretory system and excretion processes in the embryonic development of bugs, *Pentatomidae* (Hemiptera). (Rus) Zhur. Obshch. Biol. 26(6):700-710. Ref. Nov./Dec. 1965. 442.8 Z6
English summary.
- 38114 RIEMANN, J. G. Chromosome numbers in the hackberry psyllids *Pachypsylla* and *Tetragonocephala* (Homoptera: Psyllidae). Entomol. Soc. Amer. Ann. 59(6):1088-1093. Nov. 1966. 420 En82
- 38115 ROBISON, W. G. Microtubules in relation to the motility of a sperm syncytium in an armored scale insect [*Parlatoria oleae*]. J. Cell Biol. 29(2):251-265. Ref. May 1966. 442.8 J828
- 38116 RUSSELL, G. E. Observations on the settling behaviour of aphids on sugar-beet plants in the glasshouse. J. Agr. Sci. [London] 67(3): 405-410. Dec. 1966. 10 J822
Myzus persicae and *Aphis fabae*.
- 38117 SCHAEFFERS, G. A. The use of direct current for electronically recording aphid feeding and salivation. Entomol. Soc. Amer. Ann. 59(5): 1022-1024. Sept. 1966. 420 En82
- 38118 SMITH, B. C., and BERUBE, J. A. C. Factors influencing survival of predators through effects on the number and weight of *Acyrtosiphon pisum* (Homoptera: Aphididae). Entomol. Soc. Amer. Ann. 59(4):759-763. July 1966. 420 En82
Includes host plant relations.
- 38119 SMITH, D. S. The organization of flight muscle in an aphid, *Megoura viciae* (Homoptera), with a discussion on the structure of synchronous and asynchronous striated muscle fibers. J. Cell Biol. 27(2):379-393. Ref. Nov. 1965. 442.8 J828
- 38120 SRIVASTAVA, P. N., and VARSHNEY, R. K. Composition of the honeydew excreted by the lac insect, *Kerria lacca* (Homoptera: Coccoidea). I. Free amino acids. Entomol. Exp. Appl. 9(2):209-212. 1966. 421 En895
- 38121 SRIVASTAVA, U. S., and SINHA, P. K. The eyes of *Centroccus insolitus* Green (Homoptera, Coccoidea). I. Infundoculum and eye structure. Entomologist [London] 99(1241):247-253. Oct. 1967. 421 En8
- 38122 THORPE, W. H. The habitat of *Apelohelorus aestivalis* (F.) (Hem.-Het., *Apeloheloridae*). Entomol. Mon. Mag. 101(1217/1219):251-253. Ref. Oct./Dec. 1965. 421 En86
- 38123 TOKUMITSU, T., and MARAMOROSCH, K. Survival of aphid [*Acyrtosiphon pisum*] cells in vitro. Exp. Cell Res. 44(2/3):652-655. Nov./Dec. 1966. 442.8 Ex7

- U. S. AGRICULTURAL RESEARCH SERV.
General catalogue of the Homoptera. Fascicle
VI. Cicadelloidea, 16. Idioceridae, by Z. P.
Metcalf. Washington, U. S. Agricultural Re-
search Service, 1966. 237 p. (General cata-
logue of the Homoptera, Fasc.6)
431 H78Cc
Contribution from North Carolina Agricul-
tural Experiment Station.
- 38125 WHITCOMB, R. F., SHAPIRO, M., and RICH-
ARDSON, J. An Erwinia-like bacterium patho-
genic to leafhoppers [Colladonus montanus].
J. Invertebrate Pathol. 8(3):299-307. Ref.
Sept. 1966. 421 J826
- 38126 WIGGLESWORTH, V. B. Polyploidy and nu-
clear fusion. Nature 212(5070):1581. Ref.
Dec. 31, 1966. 472 N21
Observed in Rhodinus.
- 38127 YADAVA, R. L. Feeding habit of the pink sug-
arcane mealybug, Saccharicoccus sacchari
Cockerell (Homoptera: Pseudococcidae). In-
dian J. Entomol. 28(1):106-108. Mar. 1966.
420 In23
- 38129 YOUDEWEL, A. Laboratory studies on the
aggregation of feeding Dysdercus intermedius
Distant (Heteroptera: Pyrrhocoridae). Roy.
Entomol. Soc. London. Proc. Ser. A, Gen. En-
tomol. 41(4/6):45-50. Ref. July 8, 1966.
420 L84Pa
- 38129 YOUNG, E. C. Observations on migration in
Corixidae (Hemiptera: Heteroptera) in south-
ern England. Entomol. Mon. Mag. 101
(1217/1219):217-229. Ref. Oct./Dec. 1965.
421 En86
- 38130 ZAGULAYEV, A. K. Natural enemies of Lac-
cifer lacca among Lepidoptera. (Rus) Zool.
Zh. 45(7):1033-1039. 1966. 410 R92
English summary.
- 38131 ZEROVA, M. D. A survey of Harmolitinae spe-
cies (Chalcidoidea, Eurytomidae) developing on
cereals in the Ukraine. (Rus) Zool. Zh. 45(10):
1504-1514. Ref. 1966. 410 R92
English summary.
- Hymenoptera
- SEE ALSO Apiculture and Apis mellifera.
- 38132 AUSTARA, O. Laboratory and field investiga-
tions of the length of the cocoon stage of Ne-
odiprion sertifer (Geoffr.) (Hymenoptera: Dipri-
onidae) in Norway. Norway. Skogforsoksv.
Medd. 78:1-15. 1966. 99.9 N833
- 38133 BALAZY, S. Observations on the biology and
occurrence of Hymenoptera-Terebrantia para-
sites of Scolytidae (Coleoptera). (Pol) Folia
Forest. Pol. Ser. A, Lesnictwo 11:303-331.
Ref. 1965. 99.8 F71
French summary.
- 38134 BARTLETT, B. R., and MEDVED, R. A. The
biology and effectiveness of Diversinervus
elegans (Encyrtidae: Hymenoptera), an import-
ed parasite of lecanine scale insects in Cali-
fornia. Entomol. Soc. Amer. Ann. 59(5):974-
976. Sept. 1966. 420 En82
Chiefly Saissetia oleae.
- 38135 BENNETT, F. D. Notes on the biology of Stelis
(Odonostelus) bilineolata (Spinola), a parasite
of Euglossa cardata (Linnaeus) (Hymenoptera:
Apidae: Megachilidae). N. Y. Entomol. Soc. J.
74(2):72-79. June 29, 1966. 420 N48J
- 38136 BLUM, M. S., and WARTER, S. L. Chemical
releasers of social behavior. VII. The isolation
of 2-heptanone from Conomyrma pyramica
(Hymenoptera: Formicidae: Dolichoderinae) and
its modus operandi as a releaser of alarm and
digging behavior. Entomol. Soc. Amer. Ann. 59
(4):774-779. July 1966. 420 En82
- 38137 BLUM, M. S. Chemical releasers of social
behavior. VIII. Citral in the mandibular gland
secretion of Lestrimelitta limao (Hymenoptera:
Apidae: Melittidae). Entomol. Soc. Amer.
Ann. 59(5):962-964. Ref. Sept. 1966. 420 En82
- 38139 BOHART, R. M., LIN, C. S., and HOLLAND,
J. F. Bionomics of Oxybelus sparipeus at Lake
Texoma, Oklahoma (Hymenoptera: Sphecidae:
Crabroninae). Entomol. Soc. Amer. Ann. 59
(4):818-820. Ref. July 1966. 420 En82
Nesting habits.
- 38139 BOWEN, W. R., and STERN, V. M. Effect of
temperature on the production of males and
sexual mosaics in a uniparental race of Tricho-
gramma semifumatum (Hymenoptera: Tricho-
grammatidae). Entomol. Soc. Amer. Ann. 59(4):
823-834, map. Ref. July 1966. 420 En82
- 38140 CASSIDY, J. G. Analogue-induced experi-
mental alterations in longevity, reproductive capac-
ity, and ultrastructure of Bracon hebetor.
Diss. Abstr., Sect. B, 27(5):1369B. Nov. 1966.
Z5055, U49D53
- 38141 DALY, H. V. Biological studies on Ceratina
dallatorreana, an alien bee in California which
reproduces by parthenogenesis (Hymenoptera:
Apidae). Entomol. Soc. Amer. Ann. 59(6):
1138-1154, map. Ref. Nov. 1966. 420 En82
- 38142 DAVIES, J. C., and GREATHEAD, D. J. Oc-
currence of Teleonemia scrupulosa on Sesam-
um indicum Linn. in Uganda. Nature 213
(5071):102-103. Ref. Jan. 7, 1967. 472 N21
- 38143 DELAGE, B. Particular function of the pharyn-
geal glands of ants. (Fr) Acad. Sci. Compt.
Rend. Ser. D, 263(22):1743-1744. Nov. 28, 1966.
505 P21
- 38144 DLUSSKII, G. M. Protected territory of ants
(Hymenoptera, Formicidae). (Rus) Zhur.
Obshch. Biol. 26(4):479-489. Ref. July/Aug.
1965. 442.8 Z6
English summary.
- 38145 ECHOLS, H. W. Compatibility of separate
nests of Texas leaf-cutting ants [Atta texana].
J. Econ. Entomol. 59(5):1299-1300. Oct. 1966.
421 J822
Louisiana.
- 38146 ERMAKOV, I. P. Cytochemical investigation of
proteins and nucleic acids in the process of
gall development on willow [Salix caprea]
leaves. (Rus) Nauch. Dok. Vysheii Shkoly.
Biol. Nauk. 1:156-159. 1965. 442.8 N22
Caused by Pontania proxima.
- 38147 GLASS, A. W., and HAMRUM, C. L. Observa-
tion on ant culture. Entomol. Soc. Amer. N.
Cent. Br. Proc. 21:27-30. 1966, pub. 1967.
422.12 N81
Includes collecting equipment used as an
artificial nest.
- 38149 HADDOW, A. J., and others. Nocturnal flight
cycle in the males of African doryline ants
(Hymenoptera: Formicidae). Roy. Entomol.
Soc. London. Proc. Ser. A. Gen. Entomol. 41
(7/9):103-106. Sept. 27, 1966. 420 L84Pa
I. H. H. Yarrow, G. A. Lancaster, and P. S.
Corbet, joint authors.
- 38149 KNERER, G., and PLATEAUX-QUENU, C. The
importance of cell openings for broods in the
evolution of the social Haliictinae (Hymenop-
tera). (Fr) Acad. Sci. Compt. Rend. Ser. D,
263(21):1622-1624. Nov. 21, 1966. 505 P21
- 38150 KNERER, G., and PLATEAUX-QUENU, C. Poly-
gyny of the Haliictinae (Hymenoptera). (Fr)
Acad. Sci. Compt. Rend. Ser. D, 263(25):2014-
2017. Ref. Dec. 19, 1966. 505 P21
- 38151 KNERER, G., and PLATEAUX-QUENU, C. Poly-
morphism of females of some Palearctic
Haliictinae (Hymenoptera). (Fr) Acad. Sci.
Compt. Rend. Ser. D, 263(22):1759-1761.
Nov. 28, 1966. 505 P21
- 38152 KRANSKA, M. Distribution of phospholipids
in oogenesis of Cynips foili. Folia Histochem.
Cytochem. 4(4):389-396. Ref. 1966.
385 F71
- 38153 LABERGE, W. E., and RIBBLE, D. W. Biology
of Florilegus condignus (Hymenoptera: Antho-
phoridae), with a description of its larva, and
remarks on its importance in alfalfa pollina-
tion. Entomol. Soc. Amer. Ann. 59(5):944-950.
Sept. 1966. 420 En82
- 38154 LANDIM, C. DA C. Some data on the develop-
ment of Melipona. (Por) Rev. Brasil. Biol.
26(2):165-174. Aug. 1966. 442.8 R326
English summary.
- 38155 MADZIARA-BORUSIEWICZ, K. Anogmus ho-
henheimensis (Ratzb.) (Pteromalidae, Hym.)—
its morphology, biology and forestry impor-
tance. (Pol) Folia Forest. Pol. Ser. A, Les-
nictwo 11:333-368. Ref. 1965. 99.8 F71
German summary.

- 38156
- MCLAUGHLIN, R. E., and ADAMS, C. H. Infection of *Bracon mellitor* (Hymenoptera: Braconidae) by *Mattesia grandis* (Protozoa: Neogregarinida). *Entomol. Soc. Amer. Ann.* 59(4): 800-802, July 1966. 420 En82
- 38157
- MEDLER, J. T. A resin bee using trap-nests in Wisconsin, and a note on other resin bees. (Hymenoptera: Megachilidae). *Entomol. News [Philadelphia]* 77(8):228-230. Oct.1966. 421 En88
Megachile campaulae.
- 38158
- MOSER, J. C. Trails of the leafcutters. *Natur. Hist.* 76(1):33-35. Jan.1967. 500 N483J
Ants.
- 38159
- NOBLE, L. W., and GRAHAM, H. M. Behavior of *Campoplexis perdistinctus* (Viereck) as a parasite of the tobacco budworm [*Heliothis virescens*]. *J. Econ. Entomol.* 59(5):1118-1120. Oct.1966. 421 J822
- 38160
- PASSERA, L. Fecundity of females in ant symbiosis, *Plagiolipsis pygmaea* Latr.-*Plagiolipsis xene* Star. (Hymenoptera, Formicidae). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(21):1600-1603. Nov.21,1966. 505 P21
- 38161
- PASSERA, L. Oviposition of workers of the ant, *Plagiolipsis pygmaea* Latr. (Hymenoptera, Formicidae); eggs of reproduction and eggs for nutrition. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1095-1098. Oct.17,1966. 505 P21
- 38162
- PIMENTEL, D. Wasp parasite (*Nasonia vitripennis*) survival on its house fly host (*Musca domestica*) reared on various foods. *Entomol. Soc. Amer. Ann.* 59(6):1031-1038. Nov.1966. 420 En82
- 38163
- ROZEN, J. G., and ROZEN, B. L. Mature larvae of the Old World bee genus *Panurgus* (Hymenoptera, Apoidea). *N. Y. Entomol. Soc. J.* 74(2):92-94. June 29, 1966. 420 N48J
SMIRNOFF, W. A. Thelohania pristiphorae sp. n., a microsporidian parasite of the larch sawfly, *Pristiphora erichsonii* (Hymenoptera: Tenthredinidae). *J. Invertebrate Pathol.* 8(3): 360-364. Sept.1966. 421 J826
- 38164
- TAMSITT, J. R., and FOX, I. *Tapinoma melanocephalum* attacks laboratory fleas [*Echidnophaga gallinacea*] in Puerto Rico (Hymenoptera: Formicidae). *Entomol. Soc. Wash. Proc.* 68(3):268. Sept.1966. 420 W27
- 38166
- WAIN, F. L. Notes on the habits of *Anthocopa [matheranensis]* in India (Hymenoptera: Megachilidae). *Entomologist* 99(1239):207-208. Aug. 1966. 421 En8
On *Mackenzia integrifolia*.
- 38167
- WATANABE, C. New host records of *Chenolus* (Hym.: Braconidae). *Insecta Matsumurana* 28 (1):92. Aug.1965. 421 In77
Barathra brassicae host of *Chelonus morio-kensis* and *Dichomeris lanthes* as a new host of *Chelonus pectinophorae*.
- 38168
- WHEELER, G. C., and WHEELER, J. The ant larvae of the subfamily Dolichoderinae: supplement. *Entomol. Soc. Amer. Ann.* 59(4): 726-732. Ref. July 1966. 420 En82
- 38169
- WILKINSON, R. C., BECKER, G. C., and BEN-JAMIN, D. M. The biology of *Neodiprion rugifrons* (Hymenoptera: Diprionidae), a sawfly infesting jack pine in Wisconsin. *Entomol. Soc. Amer. Ann.* 59(4):786-792, map. Ref. July 1966. 420 En82
- Lepidoptera
- SEE ALSO Sericulture and the Silkworm.
- 38170
- ARBOGAST, R. T. Migration of *Agraulis vanillae* (Lepidoptera, Nymphalidae) in Florida. *Fla. Entomol.* 49(3):141-145. Sept.1966. 420 F662
- 38171
- BALDUF, W. V. Life of *Acrobasis rubrifasciella* (Lepidoptera: Phycitidae), its main parasite, *Agathis calcarata* (Hymenoptera: Braconidae), and three hyperparasites (Chalcidoidea). *Entomol. Soc. Amer. Ann.* 59(6):1038-1049. Ref. Nov.1966. 420 En82
- 38172
- BANERJEE, A. C., and DECKER, G. C. Studies on sod webworms. I. Emergence rhythm, mating, and oviposition behavior under natural conditions. *J. Econ. Entomol.* 59(5):1237-1244. Oct.1966. 421 J822
Crambid moths, especially *Crambus trisectus*.
- 38173
- BANERJEE, A. C., and DECKER, G. C. Studies on sod webworms. II. Oviposition behavior of *Crambus trisectus* under regulated light conditions in the laboratory. *J. Econ. Entomol.* 59(5):1245-1249. Oct.1966. 421 J822
Crambid moth.
- 38174
- BENNETT, W. H. Pupal morphology of *Exoteleia chillcotti* Freeman (Lepidoptera, Gelechiidae). *Entomol. Soc. Wash. Proc.* 68(3): 181-183. Sept.1966. 420 W27
- 38175
- BERGER, R. S. Isolation, identification, and synthesis of the sex attractant of the cabbage looper, *Trichoplusia ni*. *Entomol. Soc. Amer. Ann.* 59(4):767-771. Ref. July 1966. 420 En82
- 38176
- BERRY, S. J. Nucleic acid and protein synthesis in saturniid pupae. *Diss. Abstr.*, Sect. B, 27 (1):40B. July 1966. Z5055.U49D53
Hyalophora cecropia and *Samia cynthia*.
- 38177
- BOBINSKAYA, S. G. Effect of ecological conditions upon the life cycle of *Hadena sordida* Bkh. (Rus) *Zool. Zh.* 45(11):1659-1665. 1966. 410 R92
English summary.
- 38178
- BOTTGER, G. T., and PATANA, R. Growth, development, and survival of certain *Lepidoptera* fed gossypol in the diet. *J. Econ. Entomol.* 59(5):1166-1168. Oct.1966. 421 J822
- 38179
- BOWDEN, S. R. Polymorphism in *Pieris*: "subtalba" in *P. virginicensis*. *Entomologist* 99 (1239):174-182. July 1966. 421 En8
Rearing, genetics, and hybridization with *P. napi*.
- 38180
- BURTON, J. F. Report on monarch butterfly (*Danaus plexippus* L.) migration experiment, 1965. *Entomologist* 99(1239):193-194. Aug. 1966. 421 En8
Butterflies bred in Canada shipped alive to Britain for release there.
- 38181
- CALLAHAN, P. S. Electromagnetic communication in insects—elements of the terrestrial infrared environment, including generation, transmission, and detection by moths. *U. S. Agr. Res. Serv. ARS-33-110:156-176*. Ref. July 1966. A420 R31
Includes *Noctuidae* and *Sphingidae*.
- 38182
- CANNON, W. N., and ORTEGA C., A. Studies on *Ostrinia nubilalis* larvae (Lepidoptera: Pyraustidae) on corn plants supplied with various amounts of nitrogen and phosphorous. I. Survival. *Entomol. Soc. Amer. Ann.* 59(4):631-638. Ref. July 1966. 420 En82
- 38183
- CHAUDHURY, M. F. B., and RAUN, E. S. Spermatogenesis and testicular development of the European corn borer, *Ostrinia nubilalis* (Lepidoptera: Pyraustidae). *Entomol. Soc. Amer. Ann.* 59(6):1157-1159. Nov.1966. 420 En82
- 38184
- CHAUTHANI, A. R., and CALLAHAN, P. S. A dissection technique for studying internal anatomy of different stadia of *Noctuidae*. *Entomol. Soc. Amer. Ann.* 59(5):1017-1018. Sept.1966. 420 En82
- 38185
- CHOWDHURI, A. N. Effect of constant temperature and humidity on the incidence of top-borer of sugarcane, *Scirpophaga nivella* Fabr. (Lepidoptera: Pyralidae). *Indian J. Agr. Sci.* 36(1):25-28. Feb.1966. 22 Ag831
- 38186
- COWAN, C. F. Thoughts on wings. *Entomologist* 99(1239):189. Aug.1966. 421 En8
Butterflies.
- 38187
- CRAWFORD, C. S. Photoperiod-dependent oviposition rhythm in *Crambus teterellus* (Lepidoptera: Pyralidae: Crambinae). *Entomol. Soc. Amer. Ann.* 59(6):1285-1288. Nov.1966. 420 En82
- 38188
- CURIO, E. Color and resting behavior of three caterpillar forms of *Erynnis ello*. (Ge) *Umschau* 66(14):475. July 15,1966. 474 Um7

- 38189 DAVID, W. A. L., and GARDINER, B. O. C. Breeding *Pieris brassicae* apparently free from granulosis virus. *J. Invertebrate Pathol.* 8(3):325-333. Ref. Sept. 1966. 421 J826
- 38190 DÁVID, W. A. L., and GARDINER, B. O. C. Mustard oil glucosides as feeding stimulants for *Pieris brassicae* larvae in a semi-synthetic diet. *Entomol. Exp. Appl.* 9(2):247-255. 1966. 421 En895
- 38191 DODDS, R. P., and WEBB, W. R. Resistance to cold in *Ceratomyia catalpaee*. *Nature* 213 (5071):102. Jan. 7, 1967. 472 N21
- 38192 DRÖÖZ, A. T. Intrinsic and extrinsic factors that cause variability in wing length in the elm spanworm, *Ennomos subsignarius*. *Entomol. Soc. Amer. Ann.* 59(5):1021-1022. Sept. 1966. 420 En82
- 38193 EDMUNDS, M. Natural selection in the mimetic butterfly *Hypolimnas misippus* L. in Ghana. *Nature* 212(5069):1478. Dec. 24, 1966. 472 N21
- 38194 ENMETT, A. B. Dispersal as a possible check on parasitization. *Entomol. Rec. J. Variation* 78 (7/8):180. July/Aug. 1966. 421 En89
- 38195 GASTON, L. K., FUKUTO, T. R., and SHOREY, H. H. Sex pheromones of noctuid moths. IX. Isolation techniques and quantitative analysis for the pheromones, with special reference to that of *Trichoplusia ni* (Lepidoptera: Noctuidae). *Entomol. Soc. Amer. Ann.* 59(6):1062-1066. Ref. Nov. 1966. 420 En82
- 38196 GLOVER, K. M., and others. Radar observations of insects in free flight. *Science* 154 (3752):967-972. Nov. 25, 1966. 470 Sci2
K. R. Hardy, T. G. Konrad, W. N. Sullivan, and A. S. Michaels, joint authors.
Manduca sexta, *Heliothis virescens* and *Apis mellifera* test insects.
- 38197 HARRISON, J. O., and STEPHENS, C. S. Notes on the biology of *Epantheria icasia* (Lepidoptera: Arctiidae), a pest of bananas. *Entomol. Soc. Amer. Ann.* 59(4):671-674. July 1966. 420 En82
- 38198 HEIMPEL, A. M., and ADAMS, J. R. A new nuclear polyhedrosis of the cabbage looper, *Trichoplusia ni* (Lepidoptera: Noctuidae). *J. Invertebrate Pathol.* 8(3):340-346. Sept. 1966. 421 J826
- 38199 HERMAN, W. S., and GILBERT, L. I. The neuroendocrine system of *Hyalophora cecropia* (L.) (Lepidoptera: Saturniidae). I. The anatomy and histology of the ecdysial glands. *Gen. Compar. Endocrinol.* 7(2):275-291. Ref. Oct. 1966. 444.8 G28
- 38200 HESSEL, J. H. A preliminary comparative anatomical study of the mesothoracic aorta of the Lepidoptera. *Entomol. Soc. Amer. Ann.* 59 (6):1217-1227. Ref. Nov. 1966. 420 En82
- 38201 HÖPF, A. L. Help for ailing caterpillars? *N. Y. Entomol. Soc. J.* 74(2):111. June 29, 1966. 420 N48J
- 38202 Antibiotics in the rearing of Lepidoptera.
- 38202 HUSSAIN, M., and KHAN, M. Q. Record of a mermitid larval parasite on *Parallaria algira*. *Indian J. Entomol.* 28(1):120. Mar. 1966. 420 In23
13 nematodes reared from host.
- 38203 IGNOFFO, C. M., and GARCIA, C. M. The relation of pH to the activity of inclusion bodies of a *Heliothis [zea]* nuclear polyhedrosis. *J. Invertebrate Pathol.* 8(3):426-427. Sept. 1966. 421 J826
- 38204 IMBERSKI, R. B. The effect of 5-fluorouracil on the development of the imaginal eye in the moth *Ephestia kuehniella*. *Diss. Abstr.*, Sect. B, 27(1):43B. July 1966. Z5055.U49D53
- 38205 JEFFERSON, R. N., SHOREY, H. H., and GASTON, L. K. Sex pheromones of noctuid moths. X. The morphology and histology of the female sex pheromone gland of *Trichoplusia ni* (Lepidoptera: Noctuidae). *Entomol. Soc. Amer. Ann.* 59(6):1166-1169. Ref. Nov. 1966. 420 En82
- 38206 KALRA, A. N., and KUMAR, S. Studies on biology of sugarcane shoot-borer, *Chilothraea infuscatellus* Snell., in Sriganganagar area of Rajasthan. *Indian J. Agr. Sci.* 36(3):143-149. Ref. June 1966. 22 Ag831
- 38207 KING, E. W. Rainfall, temperature, and the population levels of certain South Carolina Lepidoptera. I. *Trichoplusia ni*. *Entomol. Soc. Amer. Ann.* 59(6):1049-1055. Nov. 1966. 420 En82
- 38208 KISHABA, A. N., and HENNEBERRY, T. J. Effects of cold storage on egg viability of the cabbage looper [*Trichoplusia ni*] and some aspects of the biology of the progeny survivors. *J. Econ. Entomol.* 59(5):1169-1171. Oct. 1966. 421 J822
- 38209 KLOTS, A. B. Life history notes on *Lagoa laceyi* (Barnes & McDunnough) (Lepidoptera: Megalopygidae). *N. Y. Entomol. Soc. J.* 74(3):140-142. Sept. 15, 1966. 420 N48J
- 38210 KLOTS, A. B. Melanism in Connecticut *Panthea furcilla* (Packard) (Lepidoptera: Noctuidae). *N. Y. Entomol. Soc. J.* 74(2):95-100. June 29, 1966. 420 N48J
- 38211 KNOTT, C. M., LAWSON, F. R., and HOBGOOD, J. M. Oviposition cage for the tobacco budworm [*Heliothis virescens*] and the corn earworm [*H. zea*]. *J. Econ. Entomol.* 59(5):1290. Oct. 1966. 421 J822
- 38212 KOCH, M. The maturing of gonads in Lepidoptera by assimilation and feeding of vitamin E. (Ge) *Biol. Zentralbl.* 85(3):345-348. May/June 1966. 442.8 B523
Phytometra gamma.
- 38213 KOCH, W. Collecting butterflies. (Ge) *Kosmos* 62(7):297-299. July 1966. 474 K842
- 38214 LOCKE, M., and COLLINS, J. V. Protein uptake in multivesicular bodies in the molt-intermolt cycle of an insect. *Science* 155(3761):467-469. Ref. Jan. 27, 1967. 470 Sci2
Calpodex ethlius.
- 38215 MANGAT, B. S., and APPLE, J. W. Induction of diapause in the corn earworm, *Heliothis zea* (Lepidoptera: Noctuidae). *Entomol. Soc. Amer. Ann.* 59(5):1014-1015. Sept. 1966. 420 En82
- 38216 MANGAT, B. S., and APPLE, J. W. Termination of diapause in the corn earworm [*Heliothis zea*]. *Entomol. Soc. Amer. N. Cent. B. Proc.* 21:123-125. 1966, pub. 1967. 422.12 N81
- 38217 MATHUR, L. M. L. Morphology of the excretory system of the two noctuid caterpillars, *Prodenia litura* Fabr. and *Trichoplusia ni* Hubner. *Indian J. Entomol.* 28(1):61-66. Ref. Mar. 1966. 420 In23
- 38218 MATHUR, V. K., and RAO, Y. P. A bacterium affecting the semilooper *Plusia orichalcea* Fabr. *Indian J. Entomol.* 28(1):103-105. Mar. 1966. 420 In23
Pseudomonas plusiae n. sp.
- 38219 MCMILLIAN, W. W., STARKS, K. J., and BOWMAN, M. C. Use of plant parts as food by larvae of the corn earworm and fall armyworm. *Entomol. Soc. Amer. Ann.* 59(4):863-864. July 1966. 420 En82
Heliothis zea and *Spodoptera frugiperda*.
Field crops.
- 38220 MELIUS, M. E. An autoradiographic analysis of blood protein uptake and protein yolk sphere formation by *cecropia* moth oocytes. *Diss. Abstr.*, Sect. B, 27(5):1659B. Nov. 1966. Z5055.U49D53
- 38221 MONTOYA, E. L., IGNOFFO, C. M., and McGARR, R. L. A feeding stimulant to increase effectiveness of, and a field test with, a nuclear polyhedrosis virus of *Heliothis virescens* and *H. zea*. *J. Invertebrate Pathol.* 8(3):320-324. Sept. 1966. 421 J826
- 38222 OATMAN, E. R. An ecological study of cabbage looper [*Trichoplusia ni*] and imported cabbage-worm [*Pieris rapae*] populations on cruciferous crops in southern California. *J. Econ. Entomol.* 59(5):1134-1139. Ref. Oct. 1966. 421 J822
- 38223 OLIVEIRA, A. R., and PONSEN, M. B. The development of a viral antigen in the hemocytes of *Pieris brassicae* inoculated with *Tipula iridescent virus*. *Neth. J. Plant Pathol.* 72 (5):259-264. Ref. 1966. 464.8 T44
From *Tipula paludosa*.
- 38224 OVERTON, J. Microtubules and microfibrils in morphogenesis of the scale cells of *Ephestia kuehniella*. *J. Cell Biol.* 29(2):293-305. Ref. May 1966. 442.8 J826

- 38225 POPOVA, V. Species of Lepidoptera in lucerne biocenosis in Plovdiv area. (Bu) Rastenievudni Nauk. 3(7):15-24. Ref. 1966. 64.8 R18
English summary.
Includes injurious and harmless species.
- 38226 PRZELECKA, A. Nucleic acid metabolism and cell interaction in the ovariole of *Galleria mellonella*. *Folia Histochem. Cytochem.* 4(3): 223-235. Ref. p.233-235. 1966. 385 F71
- 38227 QUATRALE, R. P. Cation concentration changes during development of the silkworm, *Hyalophora cecropia*. *Diss. Abstr.*, Sect. B, 27 (5):1603B. Nov. 1966. Z5055.U49D53
- 38228 RIDDIFORD, L. M., and WILLIAMS, C. M. Volatile principle from oak leaves; role in sex life of the polyphemus moth. *Science* 155 (3762):589-590. Ref. Feb.3,1967. 470 Sci2
Antheraea polyphemus.
- 38229 RILEY, N. D. Early migrant Lepidoptera. *Entomologist* 99(1239):195. Aug. 1966. 421 En8
Vanessa cardui, *Plusia gamma*, and *Macroglossum stellatarum*.
- 38230 ROSS, G. N. Life-history studies on Mexican butterflies. IV. The ecology and ethology of *Anatole rossi*, a myrmecophilous metalmark (Lepidoptera: Riodinidae). *Entomol. Soc. Amer. Ann.* 59(5):985-1004. Ref. Sept. 1966. 420 En52
- 38231 SAH, B. N., and MEHRA, B. P. Bionomics of *Dilinia medardaria* Herrich-Schaffer (Lepidoptera: Geometridae), a pest of *Zizyphus xylopyra* Willd. *Indian J. Entomol.* 28(1):55-60. Mar. 1966. 420 In23
Life history included.
- 38232 SANKARAN, T., and SRINATH, D. Observations on the biology of *Bactra* (Nannobactra) *minima minima* Meyrick and the damage caused by it to nutgrass, *Cyperus rotundus* L. *Commonwealth Inst. Biol. Contr. Tech. Bull.* 7:139-147. Ref. June 1966. 423.92 C733T
- 38233 SARLET, L. G. Iconographie des oeufs de lepidopteres belges. 4. Heterocera-Geometridae. 1. Archiarinae et Alsophilinae [Description of the eggs of Belgian Lepidoptera. 4. Heterocera-Geometridae. 1. Archiarinae and Alsophilinae]. *Soc. Roy. Entomol. Belg. Bull. Ann.* 102(13): 201-212. Apr. 1966. 420 B41
- 38234 SCHUDER, D. L. A technique for recovering soil webworm (*Crambus trisectus*) eggs from soil. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:34. 1966, pub. 1967. 422.12 N81
- 38235 SEVASTOPULO, D. G. Abnormal larvae of *Acherontia atropos* L. *Entomologist* 99(1239): 185. Aug. 1966. 421 En8
- 38236 SMITHERS, C. N., and PETERS, J. V. A migration of *Vanessa kershawi* (McCoy) (Lepidoptera: Nymphalidae) in Australia. *Entomol. Soc. Queensland. J.* 5:67-69. Ref. 1966. 420 En823
- 38237 SOLOMON, J. D. Artificial rearing of the carpenterworm, *Prionoxystus robiniae* (Lepidoptera: Cossidae), and observations of its development. *Entomol. Soc. Amer. Ann.* 59(6):1197-1200. Nov. 1966. 420 En82
- 38238 STEVENSON, C. W. Colours of tropical lepidoptera. *Entomologist* [London] 99(1240):223-224. Sept. 1966. 421 En8
- 38239 TULECKE, W., and COLAVITO, L. Fruit-tree leaf rollers [*Archips argyrospilus*] on plant tissue cultures and on leaves of *Ginkgo biloba*. *J. Econ. Entomol.* 59(5):1277-1278. Oct. 1966. 421 J822
- 38240 VAIL, P. V., HOWLAND, A. F., and HENNEBERRY, T. J. Fluorescent dyes for mating and recovery studies with cabbage looper [*Trichoplusia ni*] moths. *J. Econ. Entomol.* 59(5): 1093-1097. Ref. Oct. 1966. 421 J822
- 38241 VAYSSIÈRE, P. The pseudo-scientific vandalism in our southern Alps. (Fr) *Gaz. Apic.* 67 (711):181-184. Aug. 1966. 424.8 G25
Legal protection for the native Lepidoptera and alpine flora.
- 38242 VIDENOVA, E. Pathogeny of the disease caused by *Bacillus thuringiensis* in *Chloridea maritima bulgarica* (Lepidoptera, Noctuidae). (Bu) *Rastenievudni Nauk.* 3(7):79-86. Ref. 1966. 64.8 R18
English summary.
- 38243 WATKINS, N. A. Early appearance of *Lysandra coridon* in 1966. *Entomol. Rec. J. Variation* 78(10):221. Oct. 1966. 421 En89
- 38244 WEISER, J., and VAGO, C. A newly described virus of the winter moth, *Operophtera brumata* Hubner (Lepidoptera, Geometridae). *J. Invertebrate Pathol.* 8(3):314-319. Sept. 1966. 421 J826
- 38245 WELLS, S. G. Factors governing the pupal diapause of the bollworm, *Heliothis zea* (Boddie) (Lepidoptera: Noctuidae). *Diss. Abstr.*, Sect. B, 27(1):49B. July 1966. Z5055.U49D53
- 38246 WILDE, G., and SEMEL, M. The life history of *Platynota flavedana*, a leaf roller of strawberry. *J. Econ. Entomol.* 59(5):1037-1041. Ref. Oct. 1966. 421 J822
Long Island, N. Y.
- 38247 WILLIAMS, L. H. Observations on the life history of the poplar hawk moth, *Loathoe populi* L. I. Mating, egg laying and larval development and behaviour. *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(7/9):93-102. Ref. Sept. 27, 1966. 420 L84Pa
- 38248 ZLOTIN, A. Z., and LYMAREVA, M. A. Rearing insects in winter for biological tests of insecticides. (Rus) *Zool. Zh.* 45(7):1100-1102. 1966. 410 R92
English summary.
Lepidoptera.

Orthoptera

- 38249 ANDERSON, N. L., and HASTINGS, E. Some notes on rearing *Aulocara eliotti* (Orthoptera: Acrididae). *Entomol. Soc. Amer. Ann.* 59(4): 718-719. July 1966. 420 En82
- 38250 BHATTIA, D. R., and SINGH, C. Effect of low temperature on the biology of the desert locust (*Schistocerca gregaria* Forsk.). *Plant Protect. Bull.* 16(1/2):29-32. 1964, pub. 1955. 421 P69
- 38251 BROWN, B. E. Neuromuscular transmitter substance in insect visceral muscle. *Science* 155(3762):595-597. Ref. Feb. 3, 1967. 470 Sci2
Periplaneta americana.
- 38252 BURT, P. E., GREGORY, G. E., and MOLLOY, F. M. A histochemical and electrophysiological study of the action of diazoxan on cholinesterase activity and nerve conduction in ganglia of the cockroach *Periplaneta americana* L. *Ann. Appl. Biol.* 58(3):341-354. Ref. Dec. 1966. 442.8 An72
- 38253 CHAHAL, B. S., and SINGH, S. Field observations on the aggregation behaviour of *Oxya nitidula* Walker (Orthoptera: Acrididae). *Plant Protect. Bull.* 17(1/2):23-25. 1965. 421 P69
- 38254 DERR, R. F. A trehalose derivative in hemolymph of the differential grasshopper. *Entomol. Soc. Amer. Ann.* 59(4):862. July 1966. 420 En82
Melanoplus differentialis.
- 38255 DINGLE, H., and FOX, S. S. Microelectrode analysis of light responses in the brain of the cricket (*Gryllus domesticus*). *J. Cell. Physiol.* 68(1):45-59. Ref. Aug. 1966. 444.8 J822
Includes electroencephalograms.
- 38256 DINGLE, H., and HASKELL, J. B. Phase polymorphism in the grasshopper *Melanoplus differentialis*. *Science* 155(3762):590-592. Ref. Feb. 3, 1967. 470 Sci2
- 38257 EDWARDS, L. J., and PATTON, R. L. Visualization of carbonic anhydrase activity in polyacrylamide gels. *Stain Technol.* 41(6):333-334. Nov. 1966. 442.8 St1
Acheta domesticus.
- 38258 FLATTUM, R. F., FRIEDMAN, S., and LARSEN, J. R. The effects of d-tubocurarine chloride on nervous activity and muscular contraction in the house cricket *Acheta domesticus* (L.). *Life Sci.* 6(1, pt. 1):1-9. Jan. 1, 1967. 442.8 L62
- 38259 GIRARDIE, A., and GIRARDIE, J. Demonstration of neurosecretion activity in the C cells of pars intercerebralis of *Locusta migratoria* L., by comparative histological and ultrastructural study. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(16):1119-1122. Ref. Oct. 17, 1966. 505 P21

- 38260 GUTHRIE, D. M. Sound production and reception in a cockroach. *J. Exp. Biol.* 45(2):321-328. Oct. 1966. 442.8 B77
- 38261 HARLAN, D. P., and ENNS, W. R. Surface-printing of grasshopper eggs for identification. *Entomol. Soc. Amer. Ann.* 59(5):1018-1020. Sept. 1966. 420 En82
With liquid plastic.
- 38262 HENRY, J. E., and JUTILA, J. W. The isolation of a polyhedrosis virus from a grasshopper [*Melanophus sanguinipes*]. *J. Invertebrate Pathol.* 8(3):417-418. Sept. 1966. 421 J826
- 38263 KINSELLA, J. E. Free fatty acid metabolism during embryogenesis of *Periplaneta americana* L. *Nature* 213(5072):211-212. Ref. Jan. 14, 1967. 472 N21
- 38264 LEROY, Y. Study of the hierarchical behavior of crickets (*Orthoptera*). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263:1752-1754. Nov. 28, 1966. 505 P21
Teleogryllus commodus.
- 38265 L'HELIAS, C. Induction of tissue disorders by altering the equilibrium of the pterin growth factors/growth hormones, and the mechanism of this induction in insects. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(3):461-465. 1966. 442.9 P21
Carausius morosus and *Drosophila*; includes DNA and RNA.
- 38266 LUDWIG, D., and GALLAGHER, M. R. Vitamin synthesis by the symbionts in the fat body of the cockroach, *Periplaneta americana* (L.). *N. Y. Entomol. Soc. J.* 74(3):134-139. Ref. Sept. 15, 1966. 420 N48J
- 38267 MAZUMDAR, S., and DHARMARAJ, V. The Kutch cyclone of June 1964 and the subsequent concentration of locusts in Rajasthan. *Indian J. Entomol.* 28(1):33-44, map. Mar. 1966. 420 In23
- 38268 MCENROE, W. Excretion of uric acid in *Periplaneta americana*. *Entomol. Soc. Amer. Ann.* 59(5):1012-1013. Sept. 1966. 420 En82
- 38269 MCENROE, W. In-vivo preferential oxidation of uric acid carbon No. 2 of uric acid by *Periplaneta americana*. *Entomol. Soc. Amer. Ann.* 59(5):1011. Sept. 1966. 420 En82
Using C¹⁴.
- 38270 MERCIER, J., DESSAIGNE, S., and ETZEN-SPERGER, P. Effect of experimental conditions upon the activity of some psycholeptic drugs on the behavior of the praying Mantis. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(3):585-587. 1966. 442.9 P21
Suppression of aggressiveness in *Mantis religiosa*.
- 38271 MERCIER, J., DESSAIGNE, S., and ETZEN-SPERGER, P. Influence exerted by chlordiazepoxide on behavior of *Mantis religiosa*. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(1):133-136. 1966. 442.9 P21
- 38272 MULKERN, G. B. Food selection by grasshoppers. *Annu. Rev. Entomol.* 12:59-78. 1967. 421 An72
- 38273 PHIPPS, J. Ovulation and oocyte resorption in *Acridoidea* (*Orthoptera*). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(4/6):78-86. Ref. July 8, 1966. 420 L84Pa
- 38274 ROONWAL, M. L., and BHANOTAR, R. K. New phase characters in elytron of the desert locust [*Schistocerca gregaria*]. *Indian J. Entomol.* 28(1):1-13. Mar. 1966. 420 In23
- 38275 ROSS, M. H. Embryonic appendages of the notched sternite mutant of *Blattella germanica*. *Entomol. Soc. Amer. Ann.* 59(6):1160-1162. Nov. 1966. 420 En82
- 38276 ROSS, M. H., and COCHRAN, D. G. Genetic variability in the German cockroach [*Blattella germanica*]. I. Additional genetic data and the establishment of tentative linkage groups. *J. Hered.* 57(6):221-226. Ref. Nov./Dec. 1966. 442.8 Am3
- 38277 SCHEURER, R., and LUSCHER, M. The phase specificity of ovum maturation competence in ovaries of *Leucophaea maderae*. (Ge) *Rev. Suisse Zool.* 73(3):511-516. Sept. 1966. 410 R324
English summary.
- 38278 SINGH, S., and BHATTIA, D. R. Gregarization of low density desert locust [*Schistocerca gregaria*] hopper populations as a result of association with other grasshoppers. *Plant Protect. Bull.* 17(1/2):7-9. 1965. 421 P69
- 38279 STOLYAROV, M. V. Species composition of *Orthoptera* of Kara-Kalpak, and some peculiarities of their ecological distribution. (Rus) *Zool. Zh.* 45(7):1017-1022. Ref. 1966. 410 R92
English summary.
- 38280 STONE, P. C., and MATCHES, A. G. Cricket growth and survival on forage diets [*Festuca arundinacea*]. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:133-135. 1966, pub. 1967. 422.12 N81
Crickets as test insects for detecting quality of *Festuca*.
- 38281 STOWER, W. J., and GRIFFITHS, J. F. The body temperature of the desert locust [*Schistocerca gregaria*]. *Entomol. Exp. Appl.* 9(2):127-178. Ref. 1966. 421 En895
- 38282 TAKAHASHI, S., and OHNISHI, E. Enzymatic synthesis of the glucoside of protocatechuic acid in the cockroach, *Periplaneta americana*. *J. Biochem.* 60(4):473-475. Oct. 1966. 385 J822
- 38283 TARVER, R. U., and PIERRE, L. L. Activity of malic dehydrogenase of the symbionts and fat bodies of a cockroach. *Nature* 213(5072):208-209. Ref. Jan. 14, 1967. 472 N21
Leucophaea maderae.
- 38284 VARMA, B. K., and SHARMA, T. R. Effect of cyclone on locusts. *Indian J. Entomol.* 28(1):14-32, map. Ref. Mar. 1966. 420 In23
India.
- 38285 WOBUS, U. The effect of light intensity on the circadian rhythm of locomotor activity in the cockroach *Blaberus craniifer* Burm. (Insecta, Blattellidae). (Ge) *Biol. Zentralbl.* 85(3):305-323. Ref. May/June 1966. 442.8 B523
English summary.
- 38286 WOBUS, U. The effect of the intensity of light on the resynchronization of circadian locomotor activity in the cockroach *Blaberus craniifer* Burm. (Insecta, Blattellidae). (Ge) *Z. Vergleichende Physiol.* 52(3):276-289. Ref. 1966. 444.8 Z3
English summary.
- 38287 WYSS-HUBER, M., and LUSCHER, M. The effect of hormones on protein synthesis in vitro in the fat body of *Leucophaea maderae*. (Insecta). (Ge) *Rev. Suisse Zool.* 73(3):517-521. Sept. 1966. 410 R324
English summary.
Corpora cardiaca studied with radioactive carbon.

Smaller Orders

- 38288 AUBROOK, E. W. *Ischnopygus octactenus* (Kolenati) (Sphenoptera) from the Isle of Rhum. *Entomol. Mon. Mag.* 101(1217/1219):286. Oct./Dec. 1965. 421 En86
From bats in Scotland.
- 38289 BICK, G. H. Threat display in unaccompanied females of the damselfly, *Ischnura verticalis* (Say) (Odonata: Coenagruidae). *Entomol. Soc. Wash. Proc.* 68(3):271. Sept. 1966. 420 W27
- 38290 CHANG, S. L. Some physiological observations on two aquatic Collembola. *Amer. Microscop. Soc. Trans.* 85(3):359-371. Ref. July 1966. 440.9 Am33
Folsomia fimetaria and *Isotomurus palustris*.
- 38291 DAVIES, R. G. The postembryonic development of *Hemimerus vicinus* Rehn & Rehn (Dermaptera: Hemimeridae). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 41(4/6):67-77. Ref. July 8, 1966. 420 L84Pa
- 38292 HAFEZ, M., and ABD-EL-HAMID, A. On the feeding habits of the aphid lion, *Chrysopa vulgaris* Schn. *Agr. Res. Rev.* 43(4):37-46. Oct. 1965. 24 Eg94
Predator of *Prodenia litura* in cotton fields of United Arab Republic.

- 38293 HATCH, G. Structure and mechanics of the dragonfly pterothorax. Entomol. Soc. Amer. Ann. 59(4):702-714. Ref. July 1966. 420 En82
Aeschna umbrosa.
- 38294 KEETCH, D. P., and MORAN, V. C. Observations on the biology of nymphs of *Paragomphus cognatus* (Rambur) (Odonata: Gomphidae). I. Habitat selection in relation to substrate particle size. Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 1(7/9):116-122. Sept. 27, 1966. 420 L84Pa
- 38295 MCMAHAN, E. A. Food transmission within the *Cryptotermes brevis* colony (Isoptera: Kalotermitidae). Entomol. Soc. Amer. Ann. 59(6):1131-1137. Ref. Nov. 1966. 420 En82
Study using radioactive cobalt.
- 38296 NOIROT, C., and NOIROT-TIMOTHEE, C. Re-vent of the cytoplasmic membrane and the absorption of ions in the rectal papillae of a termite (Insecta, Isoptera). (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(16):1099-1102. Ref. Oct. 17, 1966. 505 P21
Cephalotermes rectangularis.
- 38297 NOWAK, J., and SCHURR, K. Cellulose digestion by *Reticulitermes virginicus* as measured by paper electrophoresis. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:23-25. 1966, pub. 1967. 422.12 N81
- 38298 POONAWALLA, Z. T. The respiratory system of adult Odonata. 1. The spiracles. Entomol. Soc. Amer. Ann. 59(4):807-809. July 1966. 420 En82
- 38299 POONAWALLA, Z. T. The structure and musculature of the secondary male genitalia of the Odonata and the functional significance of the muscle disposition. Entomol. Soc. Amer. Ann. 59(4):810-818. Ref. July 1966. 420 En82
- 38300 ROSS, H. H. The evolution and past dispersal of the Trichoptera. Annu. Rev. Entomol. 12: 169-206, map. 1967. 421 An72
- 38301 SMYTHE, R. V., and COPPEL, H. C. A preliminary study of the sternal gland of *Reticulitermes flavipes* (Isoptera: Rhinotermitidae). Entomol. Soc. Amer. Ann. 59(5):1008-1010. Sept. 1966. 420 En82
- 38302 SNIDER, R. J., and HUSBAND, R. W. Collembola found in bumblebee nests. Amer. Microscop. Soc. Trans. 85(3):473-475. July 1966. 440.9 Am33
- 38303 STERBEITZ, I. The ephemeral day-fly as bird food. (Hu) Aquila 71(7):232. 1964-65, pub. 1966. 413.8 Ag5
Text also in English, p. 244.
Palingenia longicauda.
- 38304 ZHUZHNIKOV, D. P., and KUZNETSOVA, L. A. Feeding habits of flea larvae. (Rus) Zool. Zh. 45(7):1102-1104. 1966. 410 R92
English summary.
Ctenophthalmus orientalis.
- 38310 MACARTHUR, R. H. Patterns of species diversity. Cambridge Phil. Soc. Biol. Rev. 40(4): 510-533. Ref. Nov. 1965. 442.9 C14
Insects, plants, and the species concept.
- 38311 MAUCH, E. Bestimmungsliteratur für Wasserorganismen im mitteleuropäischen Gebiet [Literature for the determination of water organisms in the central European region. Ver. Wasser-, Boden-Lufthyg. Schriftenreihe 24, 22 p. 1966. 449.9 V58
Includes insects.
- 38312 SKIDMORE, P. Miscellaneous notes on some insects in the Doncaster Museum. Entomologist [London] 99(1240):228-229. Sept. 1966. 421 En8
Distribution in Great Britain.
- 38313 SURVEY of Bookham Common, twenty-fourth year; progress report for 1965. London Natur. 45:50-55. 1966. 420 L843
Includes insects and vegetation.
- 38314 THAILAND. MINISTRY OF AGRICULTURE. A host list of the insects of Thailand. Bangkok, 1965. 149 p. SB913.T5A5
Part of text also in Thai.
In cooperation with U. S. Operations Mission to Thailand.
Pests of plants.
- 38315 U. S. AGRICULTURAL RESEARCH SERV. Trapping insects with light; student or classroom science project No. 2. U. S. D. A. PA-787, 4 p. Dec. 1966. 1 Ag84Pro
- Arachnida, Myriapoda, Etc.
- 38316 BEIER, M. Complement to the Pseudo-scorpionida fauna of South Africa. (Ge) Natal Mus. Ann. 18(2):455-470. Sept. 30, 1966. 515 N19
Includes n. spp. in *Caffrowithius*, *Paragoniochernes*, *Nannowithius*, and *Feaella* (*Difeaella*) n. gen.
- 38317 BENOIT, P. L. G. Contribution à la connaissance des Uroctidae africains (Araneae-Labidogn.) [Contribution to the knowledge of the African Uroctidae (Araneae-Labidogn.). Soc. Roy. Entomol. Belg. Bull. Ann. 102(11): 191-195. Mar. 1966. 420 B41
Includes *Uroctea sudanensis* n. sp.
- 38318 CASEBEER, R. S. Systematics and host relationships of the mites of the family Spinturniciidae in Costa Rica (Acarina: Spinturniciidae). Diss. Abstr., Sect. B, 27(5):1650B-1651B. Nov. 1966. Z5055.U49D53
Obtained from an examination of bats.
- 38319 DHANDA, V. Rhipicephalus ramachandrai sp. n. (Acarina: Ixodidae) from the Indian gerbil, *Tatera indica* (Hardwicke, 1807) (Rodentia; Muridae). J. Parasitol. 52(5):1025-1031. Oct. 1966. 448.8 J824
- 38320 FAIN, A. Les acariens parasites nasiques des oiseaux de Belgique. V. Deux nouvelles espèces de Rhinonyssidae [The parasitic nasal mites of the birds of Belgium. V. Two new species of Rhinonyssidae]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(6):117-122. Feb. 1966. 420 B41
Ptilonyssus siitae n. sp. and *Sternostoma loxiae* n. sp.
- 38321 GALLIANO, M. E. Salticidae (Araneae) Formiciformes. IV. Revision del genero *Sarinda* Peckham, 1892 [Salticidae (Araneae) Formiciformes. IV. Revision of the genus *Sarinda* Peckham, 1892]. Buenos Aires. Mus. Argent. Cienc. Natur. "Bernardino Rivadavia." Rev. Entomol. 1(4):267-312. Ref. Oct. 1965. 420 B862
Includes n. spp.
- 38322 GONCHAROVA, A. A., and BUYAKOVA, T. G. Gamasid mites *Eugamasus loricatus* Wankel, 1861 (Parasitiformes Gamasoidea) in East Siberia. (Rus) Zool. Zh. 45(7):1004-1016. 1966. 410 R92
English summary.

TAXONOMIC AND GEOGRAPHIC ENTOMOLOGY

- 38305 AGUESSE, P., and MARAZANOF, F. Recent evolution of aquatic fauna in the ponds of Camargue. (Fr) Terre Vie 113(3):338-345. Ref. July/Sept. 1966. 410.9 P21
Includes insects.
- 38306 BROWN, F. M. David Bruce (1833-1903) and other entomological collectors in Colorado. N. Y. Entomol. Soc. J. 74(3):126-133. Sept. 15, 1966. 420 N48J
- 38307 BRUNDIN, L. Insects and the problem of Austral disjunctive distribution. Annu. Rev. Entomol. 12:149-168. 1967. 421 An72
Includes phylogeny.
- 38308 CHANDLER, L. The origin and composition of the insect fauna. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p. 345-361. Ref. 1966. QH105.16L5
- 38309 CHAUVIN, R., ROTH, M., and COUTURIER, G. Colored containers (Moericke traps), a new technique in entomological sampling. (Fr) Rev. Zool. Agr. Appl. 65(4/6):78-81. Ref. Second Q. 1966. 410.9 Sol2

- 38323 KRIVOLUTSKII, D. A. Oribatei (Acariformes) dwelling in the soils of Central Asia. (Rus) Zool. Zh. 45(11):1628-1639. Ref. 1966. 410 R92
English summary.
Includes n. spp. in Suctobelba, Microzetes, Liacarus, Diapterobates, Ghilarovus n. g., and Simkinia n. g.
- 38324 LEVI, H. W. The three species of Latrodectus (Araneae) found in Israel. J. Zool. 150(4): 427-432. Dec. 1966. 410.9 L84P
Latrodectus mactans tedeicimguttatus, L. pallidus, L. revivensis.
- 38325 LOOMIS, H. F. Two new families and other North American Diplopoda of the suborder Chordeumidea. Biol. Soc. Wash. Wash. Proc. 79:221-230. Dec. 1, 1966. 500 W272
Apterouridae n. fam., Tingupidae n. fam., Apterourus n. g., and n. spp. in Caseya, Cleidogona, Costaricia n. g., Tingupa, and Flagelloptalum.
- 38326 MARTIN, P. R. S. Scorpion fauna of Brazil. III. (Bothriuridae). A new species Bothriurus [sooretamensis] from Brazil. (Por) Rev. Brasil. Biol. 26(2):181-190. Ref. Aug. 1966. 442.8 R326
English summary.
- 38327 MCCRONE, J. D., and STONE, K. J. The widow spiders of Florida. Gainesville, Florida, 1965. 4 p. (Florida. Department of Agriculture. Arthropods of Florida and Neighboring Land Areas, v.2) 410.9 F6632
Latrodectus.
- 38328 NEFEDOV, V. N. Mites Paphyseius humeralis Berlese, 1910 (Gamasoidea, Neoparasitidae) in the USSR fauna. (Rus) Zool. Zh. 45(7):1098-1099. 1966. 410 R92
English summary.
- 38329 RODDY, L. R. New species, records, of chubionid spiders. Amer. Microscop. Soc. Trans. 85(3):399-407. July 1966. 440.9 Am33
New spp. in Chubionoides and Chubiona.
- 38330 SCHULTZ, G. A. Philoscia miamiensis n. sp., an isopod crustacean from Florida with ecological notes on the new species. Amer. Microscop. Soc. Trans. 85(3):457-462. July 1966. 440.9 Am33
- 38331 SEYD, E. L. The moss mites of a Lakeland peak (Acari: Oribatei). Entomologist [London] 99(1237):140-143. Ref. June 1966. 421 En8
Distribution and taxonomy.
- 38332 SOUTHCOTT, R. V. Revision of the genus Charletonia Oudemans (Acarina: Erythraeidae). Australian J. Zool. 14(4):687-819. Ref. Oct. 1966. 410 Au73
Includes n. spp.
- 38333 STRASSER, K. Diplopoda of Bulgaria. (Ge) Pol. Akad. Nauk. Inst. Zool. Ann. Zool. 23(12): 325-385. Ref. Jan. 15, 1966. 410.9 W26
Includes n. spp. in Polydesmus, Brachydesmus, Bulgariosoma, Doryptetulum, Apfelbeckiella, and Apfelbeckiella (Rhodopiella) n. sgen.
- 38334 SUZUKI, S. Four remarkable phalangids from Korea. Annot. Zool. Jap. 39(2):95-106. June 1966. 410 An79
Includes Ischyropsalis coreana n. sp., Peltonychia coreana n. sp.
- 38335 THEWKE, S. E. A preliminary survey of the spider mites (Acarina: Tetranychidae) of Missouri. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:95. 1966, pub. 1967. 422.12 N81
- 38336 THOMAS, P. A. Geographic variation in the rabbit tick, Haemaphysalis leporispalustris. Diss. Abstr., Sect. B, 27(1):335B. July 1966. Z5055.U49D53
- 38337 TREAT, A. E. A new Blattisocius (Acarina: Mesostigmata) from noctuid moths. N. Y. Entomol. Soc. J. 74(3):143-159. Ref. Sept. 15, 1966. 420 N481
Blattisocius patagiorum n. sp.
- 38338 VERCAMMEN-GRANDJEAN, P. H., and KUMADA, N. Revision of the genus Mackiena Traub and Evans, 1950 including Tinpinna To-shioka and Hiromatsu, 1956 as a new subgenus (Acarina, Trombiculidae). Acarologia 7(sup.): 297-311. Ref. Apr. 1965. 434.8 Ac1
Includes Mackiena (Tinpinna) premackiena n. sp.
- 38339 VERCAMMEN-GRANDJEAN, P. H. Tenotrombicula minteri n. g., n. sp., and interesting commensal of African termites [Macrotermes bellicosus] (Trombiculidae: Acarina). Acarologia 7(sup.):259-265. Apr. 1965. 434.8 Ac1
- 38340 VERCAMMEN-GRANDJEAN, P. H. Three rectifying notes (Fr) Acarologia 7(sup.):295-296. Apr. 1965. 434.8 Ac1
Nomenclature of Trombiculidae.
- 38341 WALKER, J. B. Rhipicephalus reichenowi Zumpt, 1943: a re-description of the male and female and descriptions of the nymph and larva, together with an account of its known hosts and distribution. Parasitology 56(3):457-469. Ref. Aug. 1966. 448.8 P21
- 38342 WILSON, N. Variation in two species of Amblyomma (Metastigmata: Ixodidae). Entomol. Soc. Wash. Proc. 68(3):222-224. Sept. 1966. 420 W27
Amblyomma tuberculatum and A. geoemydae.
- 38343 ZACK, R. E. Remarks on the family Phytoseiidae (Acarina: Mesostigmata) in Missouri. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:95-96. 1966, pub. 1967. 422.12 N81

Coleoptera

- 38344 ABDULLAH, M., and ABDULLAH, A. Saperda Fabricius, 1775=Eutetrappa Bates, 1884, syn. n. (Coleoptera: Cerambycidae, Lamiinae), with a catalogue, new records, color variation and a key to the species. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(7/8):87-94. Aug. 17, 1966. 420 L84Pb
- 38345 ALLEN, A. A. Atomaria fimetarii Hbst. (Col., Cryptophagidae) and Bolitobius inclianus Grav. (Col., Staphylinidae) near Portsmouth. Entomol. Mon. Mag. 101(1217/1219):278. Oct./Dec. 1965. 421 En86
- 38346 ALLEN, A. A. Elater sanguinolentus Schr. (Col.). Entomol. Rec. J. Variation 78(10):235. Oct. 1966. 421 En89
Text in English.
- 38347 ALLEN, A. A. Trichophya pilicornis Gyll. (Col., Staphylinidae) at Windsor; and a note on its rarity. Entomol. Mon. Mag. 101(1217/1219):253. Oct./Dec. 1965. 421 En86
- 38348 ARDOIN, P. A new species of Diacina from Gabon (Col., Tenebrionidae). (Fr) Soc. Entomol. France. Bull. 71(1/2):34-35. Jan./Feb. 1966. 420 F84B
Diacina painae n. sp.
- 38349 BARR, T. C. A new cavernicolous sphodrine from Veracruz, Mexico (Coleoptera: Carabidae). Coleopt. Bull. 19(3):65-72. Sept. 1965. 421 C674
New spp. in Mexisphodrus n. g.
- 38350 BLAKE, D. H. Ten new chrysomelid beetles from the West Indies and Key West. Entomol. Soc. Wash. Proc. 68(3):213-222. Sept. 1966. 420 W27
New spp. in Chalcosicya, Metachroma, Exoceras, and Stoiba.
- 38351 BUCK, F. D. Mecinus collaris Germ. (Col., Curculionidae) in N. E. Essex. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 1:11. May 1965. 420 S08
- 38352 BURKE, H. R., and CROSS, W. H. A new species of Anthonomus attacking cotton in Colombia, with a review of the taxonomy of Anthonomus vestitus (Coleoptera: Curculionidae). Entomol. Soc. Amer. Ann. 59(5):925-931, map. Sept. 1966. 420 En82
Anthonomus bisinuatus n. sp.
- 38353 DAMOISEAU, R. Nouveaux Brentidae de l'ancien Monde (Coleoptera-Curculionidae): vingt-quatre contribution a la connaissance des Brentidae [New Brentidae from the Old World (Coleoptera-Curculionidae): 25th contribution to the knowledge of the Brentidae]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(9):139-154. Mar. 1966. 420 B41
Cecephalinae n. sfam. and n. spp. in Proepheobocerus, Paracecephalus, Stenobrentus n. g., and Kleineella.

- 38354 DAVIS, J. J. Records of *Amnemus quadrituberculatus* (Boh.), *A. superciliaris* (Pasc.), *Pantomorus cervinus* (Boh.) and *Graphognathus leucoloma* (Boh.) (Coleoptera: Curculionidae) from Queensland. Entomol. Soc. Queensland. J. 5:69-70. 1966. 420 En823
- 38355 DECELLE, J. La bruche sud-americaine des acacias: *Pseudopachymerina spinipes* (Erichson) [The South American bruchids of Acacias: *Pseudopachymerina spinipes* (Erichson)]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(5):109-116. Ref. Feb. 1966. 420 B41
Nomenclature.
- 38356 DELEVE, J. Contribution a l'etude des Dryopoidea. XVII. Elminthidae (Coleoptera) de la Province du Cap et de l'Angola [Contribution to the study of the Dryopoidea. XVII. Elminthidae (Coleoptera) from the Cape Province and Angola]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(4):97-108. Feb. 1966. 420 B41
Includes n. spp. in *Ctenelmis* and *Peloriolus*.
- 38357 DELEVE, J. Contribution a l'etude des Dryopoidea; notes taxonomiques sur les especes ethiopiennes du genre *Stenelmis* Dufour (Coleoptera Elminthidae) et description d'especes nouvelles [Contribution to the study of the Dryopoidea; taxonomic notes on the Ethiopian species of the genus *Stenelmis* Dufour (Coleoptera Elminthidae) and description of new species]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(3):57-96. Feb. 1966. 420 B41
- 38358 ELTON, C. S. *Epiphanis cornutus* Eschscholtz. (Col., Eucnemidae) in Britain. Entomologist 99(1239):200. Aug. 1966. 421 En8
On *Acer pseudoplatanus*.
- 38359 FROST, S. W. Notes on common Scarabaeidae taken in light traps at Archbold Biological Station, Florida. Fla. Entomol. 49(3):189-194. Sept. 1966. 420 F662
- 38360 HAMILTON-SMITH, E. *Pselaphidae* (Coleoptera) from Australian caves. Entomol. Soc. Queensland. J. 5:70-71. 1966. 420 En823
- 38361 HEATHER, N. W. Records of *Heterobostyrchus aequalis* Waterhouse (Coleoptera: Bostyrchidae) from Queensland. Entomol. Soc. Queensland. J. 5:71. 1966. 420 En823
- 38362 HERMAN, L. H. Revision of Orus. II. Subgenera *Orus*, *Pycnorus* and *Nivorus* (Coleoptera: Staphylinidae). Coleopt. Bull. 19(3):73-90, map. Ref. Sept. 1965. 421 C874
Includes n. spp. in *Orus* (Orus) and *Orus* (Nivorus).
- 38363 JOHN, H. *Notiophygus ducentisimus* spec. nov. (Discolomidae, Col.). Natal Mus. Ann. 18(2): 471-473. Sept. 30, 1966. 515 N19
Text in German.
- 38364 JOHNSON, C. *Atomaria clavigera* Ganglb. (Col., Cryptophagidae) new to Britain. Entomologist [London] 99(1240):230-231. Sept. 1966. 421 En8
- 38365 JOHNSON, C. Taxonomic notes on British Coleoptera No. 4. *Simplocaria maculosa* Erichson (Byrrhidae). Entomologist [London] 99(1237): 155-156. June 1966. 421 En8
- 38366 JOHNSON, C. Taxonomic notes on British Coleoptera 5. Notes on the genus *Acrotrichis* Motsch. (Ptiliidae). Entomologist 99(1239):196-199. Aug. 1966. 421 En8
- 38367 JOHNSON, C. Two species of *Acrotrichis* new to Britain (Col., Ptiliidae). Entomologist [London] 99(1237):152-154. June 1966. 421 En8
Acrotrichis insularis and *A. norvegica*.
- 38368 KEVAN, D. K. The British species of the genus *Helophorus* Illiger, subgenus *Helophorus* s. str. (Col., Hydrophilidae). Entomol. Mon. Mag. 101(1217/1219):254-268. Oct./Dec. 1965. 421 En86
- 38369 KLAUSNITZER, B. A contribution to the Coccinellidae fauna of a pine nursery (Col.). (Ge) Deut. Entomol. Ges. Mitt. 24(3):45-48. July 31, 1965. 420 D482
Distribution and taxonomy.
- 38370 MAGIS, N. Sur les *Cantharidae* africaines (15-17) [On the African *Cantharidae*. 15-17]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(7):123-130. Feb. 1966. 420 B41
15. *Prosthaptus excretus* n. sp.; 16. Additional facts on *Prosthaptus testaceicollis* Wittmer (1954); 17. Correction.
- 38371 MATTHEWS, E. G. A taxonomic and zoogeographic survey of the Scarabaeinae of the Antilles (Coleoptera: Scarabaeidae). Amer. Entomol. Soc. Mem. 21, 134 p., map. Ref. 1966. 420 P53M
Includes n. spp. in *Drepanocerus*, *Ateuchus*, *Canthochilum*, *Canthonella*, *Pseudocanthion*, and *Canthon*.
- 38372 MEDVEDEV, S. I. A new species of the genus *Amaladera* Reitt. (Coleoptera, Scarabaeidae) from the Transbaikalia. (Rus) Zool. Zh. 45(10):1576-1577. 1966. 410 R92
English summary.
Amaladera lukjanovitschi.
- 38373 MOORE, B. P. Stag beetles. Australian Natur. Hist. 15(6):198-200. June 15, 1966. 475 Au7
Includes *Phalacrognathus muelleri*, *Lissapterus grammicus* and *Metopodontus torrensensis*.
- 38374 MORRIS, M. G. *Ceuthorhynchus unguicularis* C. G. Thomson (Col., Curculionidae) new to the British Isles, from the Suffolk Breckland and the Burren, Co. Clare. Entomol. Mon. Mag. 101(1217/1219):279-286, map. Ref. Oct./Dec. 1965. 421 En86
- 38375 SKIDMORE, P. *Epiphanis cornutus* Eschsch. (Col.: Eucnemidae) new to the British list. Entomologist [London] 99(1237):137-139. June 1966. 421 En8
- 38376 WARNER, R. E. Taxonomy of the subspecies of *Anthonomus grandis* (Coleoptera: Curculionidae). Entomol. Soc. Amer. Ann. 59(6):1073-1088, map. Nov. 1966. 420 En82
Anthonomus grandis thurberiae.
- 38377 WELCH, R. C. A description of the pupa and third instar larva of *Stenus canaliculatus* Gyll. (Col., Staphylinidae). Entomol. Mon. Mag. 101(1217/1219):246-250. Oct./Dec. 1965. 421 En86
- 38378 WERNER, F. G. A revision of *Acanthinus* (Coleoptera: Anthicidae). II. The angusticollis-group. Entomol. Soc. Amer. Ann. 59(4):746-751. Ref. July 1966. 420 En82
Includes *Acanthinus klagesi* n. sp.
- 38379 WERNER, F. G. A revision of *Acanthinus* (Coleoptera: Anthicidae). III. The spinicollis-group. Entomol. Soc. Amer. Ann. 59(6):1267-1276. Ref. Nov. 1966. 420 En82
Includes n. spp.
- 38380 WHITE, R. E. *Cryptoramorphus floridanus*, new genus, new species (Coleoptera: Anobiidae), with generic reassignments. Entomol. Soc. Amer. Ann. 58(5):959-961. Sept. 1966. 420 En82
- 38381 WHITE, R. E. Six new Anobiidae from North America with keys (Coleoptera). Entomol. Soc. Wash. Proc. 68(3):228-236. Sept. 1966. 420 W27
New spp. in *Utobium*, *Ernobius*, *Eucaterocerus*, *Dorcatoma*, and *Eutylistus*.

Diptera

- 38382 AITKEN, T. H. G. and GALINDO, P. On the identity of *Culex* (Melanoconion) *portesi* Senevet & Abonnenc 1941 (Diptera, Culicidae). Entomol. Soc. Wash. Proc. 68(3):198-208, map. Ref. Sept. 1966. 420 W27
Culex cayennensis a synonym of *C. portesi*.
- 38383 ALEXANDER, C. P. Undescribed species of crane flies from the Himalaya Mountains (Diptera: Tipulidae). XII. N. Y. Entomol. Soc. J. 74(2):66-71. June 29, 1966. 420 N48J
Includes n. spp. in *Ormosia* (Oreophila), *Ormosia* (Parormosia), *Ormosia* (Ormosia) and *Erioptera* (Ilisia).
- 38384 ANDREWES, SIR C. Uncommon Phasiinae and other flies in a Wiltshire Wood (Diptera: Tachinidae). Entomologist 99(1239):195. Aug. 1966. 421 En8
- 38385 ANDREWS, SIR. C. H. and PARMENTER, L. *Pogonota hircus* Zett. (Dipt.: Scatophagidae) in the New Forest. Entomol. Rec. J. Variation 78(9):216. Sept. 1966. 421 En89

- 38386 BEZZUB, M. V. Fauna of mosquitoes of the genus *Aedes* (fam. Culicidae) in the Chernovtsy Region. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):610. Sept./Oct.1966. 448.8 M469 English summary.
- 38387 BRINDLE, A. Taxonomic notes on the larvae of British Diptera. 24. Revisional notes. Entomologist [London] 99(1240):225-227. Sept. 1966. 421 En8
- 38388 COLLIN, J. E. A new species of *Minettia* Desvoidy (Diptera, Sappromyzidae). Entomologist [London] 99(1237):144-145. June 1966. 421 En8
Minettia dissimilis n. sp.
- 38389 COLLIN, J. E. Some overlooked synonymy and additional species in British Sciomyzidae (Diptera), and a note on *Limnophora exsorda* (Anthomyiidae). Entomol. Rec. J. Variation 78(10):227-230. Oct.1966. 421 En89
- 38390 CROSKY, R. W. New generic and specific synonymy in Australian Tachinidae (Diptera). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 35(7/8):95-104. Aug.17,1966. 420 L84Pb
- 38391 DAVIES, L. The taxonomy of British black-flies (Diptera: Simuliidae). Roy. Entomol. Soc. London. Trans. 118(14):413-511. Ref. Dec.30, 1966. 420 L84
Includes n. spp. in *Simulium*.
- 38392 DEEMING, J. C. Diptera from Nepal: Heleomyzidae. Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(10):435-438. 1966. 420 B773
Includes *Sullia himalayensis* n. sp.
- 38393 DODGE, H. R. Some new or little-known Neotropical Sarcophagidae (Diptera), with a review of the genus *Oxysarcodexia*. Entomol. Soc. Amer. Ann. 59(4):674-701. July 1966. 420 En82
Includes n. spp. in *Blaesoxipha*, *Boettcheria*, *Chloronesia*, *Dexosarcophaga*, *Emdeniomyia*, *Helicobia*, *Oxysarcodexia*, *Peckia*, *Petriana*, *Squamotodes*, *Tricharaea*, *Metopia*, *Oxyvinia* n. g., *Peckiamyia* n. g., *Promayoa* n. g. and *Villegasia* n. g.
- 38394 FIDOSEYEV, L. I. Geographical distribution of Meromyia Mg. species (Diptera, Chironomidae). (Rus) Zool. Zh. 45(11):1666-1672, map. Ref. 1966. 410 R92
English summary.
- 38395 FLOCH, H. A., and KRAMER, R. *Phlebotomus* of Venezuela. IV. *Ph. vexillarius* Fairchild and Hertig 1952 and *Ph. foliatus* Mirza and Ortiz 1953 synonymous with *Ph. lichi* Floch and Anonenc 1950. (Fr) Inst. Pasteur Guyane Franc. Inini. Publ. 496, 8 p. Oct.1965. 448.9 In77
- 38396 FONSECA, E. C. M. D. Eight undescribed species of Muscidae (Diptera) from Britain. Entomol. Mon. Mag. 101(1217/1219):269-278. Oct./Dec.1965. 421 En88
New spp. in *Coenosia*, *Fannia*, *Phorbia*, *Paraprosapia*, and *Delia*.
- 38397 FOOTE, R. H. The genus *Rhagoletytrypeta*, with a new Nearctic species (Diptera: Tephritidae). Entomol. Soc. Amer. Ann. 59(4):803-807. July 1966. 420 En82
Rhagoletytrypeta rohweri n. sp.
- 38398 FRANCOIS, F. Matériaux nouveaux pour une faune des Bombyliidae (Diptera) de Grèce [New contributions for a fauna of Bombyliidae (Diptera) from Greece]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(10):155-189. Ref. Mar. 1966. 420 B41
Includes n. spp. in *Anthrax* and *Villa*.
- 38399 GAGNE, R. J. A new species of *Prodiopsis* (Diptera: Cecidomyiidae) found in leaf curls on *Populus deltoides*. Entomol. Soc. Amer. Ann. 59(6):1154-1157. Nov.1966. 420 En82
Prodiopsis morrisi n. sp.
- 38400 IOVINO, A. J. A cursory examination of the Chironomidae of Arkansas (Diptera, Insecta). Ark. Acad. Sci. Proc. 20:68-74. Ref. 1966. 500 Ar42
- 38401 JANSSENS, E. Contribution à l'étude des asilides de Grèce [Contribution to the study of the Asilidae from Greece]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(8):131-138. Feb.1966. 420 B41
Includes *Laphystia francoisi* n. sp.
- 38402 KESSEL, E. L. Preliminary notes on the *Platypeza anthrax* complex and the description of a new species of the complex from Eastern United States (Diptera: Platypezidae). Wasmann J. Biol. 24(1):85-89. Spring 1966. 442.8 W28
Platypeza millironi n. sp.
- 38403 KHALAF, K. T. The seasonal incidence of *Culicoides* in southern Louisiana (Diptera: Ceratopogonidae). Entomol. Soc. Amer. Ann. 59(5):881-883. Sept.1966. 420 En82
Light trap collections.
- 38404 KOPYTOVA, G. A., and ZHARKOVA, E. N. Species composition of bloodsucking mosquitoes in Alma-Ata. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):609. Sept./Oct.1966. 448.8 M469
- 38405 LE GROS, A. E. Moth flies (Dipt., Psychodidae) in the South East. Entomol. Rec. J. Variation 78(10):223-224. Oct.1966. 421 En89
- 38406 LE GROS, A. E. Subterranean fungus gnats (Dipt., Mycetophilidae). Entomol. Rec. J. Variation 78(10):237. Oct.1966. 421 En89
- 38407 LEWIS, D. J. Sand-flies and black-flies (Dipt. Phlebotomidae and Simuliidae). S. London Entomol. Natur. Hist. Soc. Proc. Trans. 1:14-17. May 1965. 420 S08
- 38408 MAMAEV, B. M. Replacement of secondary sexual characters and origin of new taxonomic groups of insects exemplified by gall midges (Cecidomyiidae, Diptera). (Rus) Zhur. Obshch. Biol. 26(6):677-684. Ref. Nov./Dec. 1965. 442.8 Z6
English summary.
- 38409 MICKS, D. W., and others. A chromatographic study of the systematic relationship within the *Anopheles gambiae* complex. World Health Organ. Bull. 35(2):181-187. 1966. 449.9 W92B
A. Rehmet, J. Jennings, G. Mason, and G. Davidson, joint authors.
- 38410 PARMENTER, L. Some additions to the list of flies (Diptera) of Bookham Common. London Natur. 45:56-59. 1966. 420 L843
- 38411 RASNITSYN, S. P. Taxonomic analysis employed to compare biotopes according to their fauna and population. (Rus) Zhur. Obshch. Biol. 26(3):335-340. May/June 1965. 442.8 Z6
English summary.
Simuliidae.
- 38412 ROBINSON, H. A new species of *Calyxochaetus* [C. *metatarsalis*] from Mexico (Diptera, Dolichopodidae). Entomol. Soc. Wash. Proc. 68(3):272. Sept.1966. 420 W27
- 38413 SEDMAN, Y. S. The *Chrysogaster* (Orthonevra) pictipennis group in North America (Diptera: Syrphidae). Entomol. Soc. Wash. Proc. 68(3):185-194. Sept.1966. 420 W27
Includes n. spp.
- 38414 SERVICE, M. W. Records of black-flies (Dipt., Simuliidae) collected on Brownsea Island, Dorset. Entomol. Mon. Mag. 101 1217(1219):287-288. Oct./Dec.1965. 421 En86
- 38415 SHEWELL, G. E. An Oriental species of *Homonera* Wulp [H. *unguiculata*] apparently introduced into Southeastern United States (Diptera: Lauxaniidae). Entomol. Soc. Wash. Proc. 68(3):212-213. Sept.1966. 420 W27
- 38416 SKIDMORE, P. Asilidae (Dipt.) of northern England. Entomol. Rec. J. Variation 78(10):230-235. (Cont.) Oct.1966. 421 En89
- 38417 SOKOLOVA, E. I. The fauna of midges in the Pechora-Ilych Preserve (fam. Heleidae gen. *Culicoides*). (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):611-612. Sept./Oct.1966. 448.8 M469
English summary.
- 38418 STEYSKAL, G. C. A key to the species of the genus *Xanthocrana* Wulp (Diptera, Otittidae). Entomol. Soc. Wash. Proc. 68(3):269. Sept. 1966. 420 W27
- 38419 STEYSKAL, G. C. Notes on the genus *Helina* Robineau-Desvoidy with a new species from Wyoming. Entomol. Soc. Wash. Proc. 68(3):177-179. Sept.1966. 420 W27
Helina synderi n. sp.
- 38420 STUBBS, A. E. *Dolichocephala ocellata* Costa (Dipt.: Empidae) in Devon. Entomol. Rec. J. Variation 78(9):197. Sept.1966. 421 En89

- 38421 WAKAHAMA, K. I. Notes on the drosophilid fauna from the Oki Islands. Annot. Zool. Jap. 39(2):89-94. June 1966. 410 An79
- 38422 ZHOGOLEV, D. T., and SHCHERBINA, V. P. New model of a portable light trap for collection of bloodsucking Diptera. (Rus) Med. Parazit. Parazitarn. Bolezni 35(5):619-621. Sept./Oct. 1966. 448.8 M469
- English summary.

Hemiptera (Heteroptera and Homoptera)

- 38423 BECKER, M. Two new species of the genus *Eurystethus* (Hemiptera, Pentatomidae, Discocophalinae). (Por) Rev. Brasil. Biol. 26 (2):191-197. Aug. 1966. 442.8 R326
- English summary.
- Eurystethus goianensis* and *E. deplanatus* n. spp.
- 38424 BRIMBLECOMBE, A. R. The occurrence of the genus *Antonina* (Homoptera: Coccoidea) in Queensland. Entomol. Soc. Queensland. J. 5: 5-6. Ref. 1966. 420 En823
- Antonina australis* transferred to *Kuwania* and *K. hillii* regarded as a synonym of *K. australis*.
- 38425 DANTSIG, E. M. Reduction of wax-secreting dermal structures of females of *Pulvinaria* Targ. (Homoptera, Coccoidea) infested by parasitoids. (Rus) Zool. Zh. 45(10):1488-1492. 1966. 410 R92
- English summary.
- Pulvinaria betulae*, includes *P. crassispina* n. sp.
- 38426 DONCASTER, J. P. Notes on some Indian aphids described by G. B. Buckton. Entomologist [London] 99(1237):157-160. June 1966. 421 En8
- Includes *Pseudoregma* n. g.
- 38427 EROESCHNER, R. C. Synonymy of a West Indian spittlebug, deleting the genus *Clovio* from the Americas (Homoptera: Cercopidae). Entomol. Soc. Wash. Proc. 68(3):270. Sept. 1966. 420 W27
- Pseudocranium modestum* (Gibson) n. comb.
- 38428 GROVES, E. W. Hemiptera-Heteroptera of the London area. III. London Natur. 45:60-88. 1966. 420 L843
- 38429 HERRING, J. L. The genus *Orius* of the Western Hemisphere (Hemiptera: Anthocoridae). Entomol. Soc. Amer. Ann. 59(6):1093-1109. Ref. Nov. 1966. 420 En82
- Includes n. spp.
- 38430 HUGHES-SCHRADER, S., and TREMBLAY, E. *Gueriniella* and the cytotoxicity of ice-ryne coccids (Coccoidea: Margarodidae). Chromosoma 19(1):1-13. Ref. 1966. 442.8 C46
- Gueriniella serratalae*.
- 38431 KNIGHT, H. H. Collecting Miridae at the Nevada Test Site in 1965. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:80-81. 1966, pub. 1967. 422.12 N81
- 38432 LEONARD, M. D. Additions to the list of aphids of Massachusetts. Entomol. Soc. Wash. Proc. 68(3):273. Sept. 1966. 420 W27
- 38433 LE QUESNE, W. J. *Athyas argentarius* Metcalf (Hem., Cicadellidae) in the Isle of Wight. Entomol. Mon. Mag. 101(121/1219): 288. Oct./Dec. 1965. 421 En86
- 38434 MCDANIEL, B. A new species of the genus *Margarodes* Guilding [M. dactyloides] from buffalograss [Buchloe dactyloides] in Texas (Coccoidea, Margarodidae). Entomol. Soc. Wash. Proc. 68(3):237-240. Sept. 1966. 420 W27
- 38435 MONTEITH, G. B. A new genus of Chinamyrsinae (Heteroptera: Aradidae) from Australia, with notes on its relationships and male genitalia. Entomol. Soc. Queensland. J. 5:46-50. 1966. 420 En823
- Kumaressa scutellata* n. g., n. sp.
- 38436 POLHEMUS, J. T., and CHAPMAN, H. C. Notes on some Hebridae from the United States with the description of a new species [Hebrus obscura] (Hemiptera). Entomol. Soc. Wash. Proc. 68(3):209-211. Sept. 1966. 420 W27

- 38437 SLATER, J. A. A further contribution to our knowledge of the Pachygronthinae (Hemiptera: Lygaeidae). Entomol. Soc. Queensland. J. 5: 51-65. 1966. 420 En823
- Includes *Pachygrontha braziliensis* n. sp., *P. variegata* n. sp., and *Opisthoporus indicus* n. sp.
- 38438 USINGER, R. L., and others. Monograph of Cincidae (Hemiptera, Heteroptera). College Park, Maryland, Entomological Society of America, 1966. 585 p., map. (Thomas Say Foundation, Publications v.7) QL523.C6U8
- J. Carayon, N. T. Davis, N. Ueshima, and H. E. McKean, joint authors.
- Bibliography, p. 538-572.
- Taxonomy, physiology, and genetics.
- 38439 VARSHNEY, R. K. The Indian lac insect—a change in nomenclature (Homoptera: Coccoidea). Indian J. Entomol. 28(1):116-118. Mar. 1966. 420 In23
- The valid name for *Laccifer lacca* (Kerr) is *Kerria lacca* (Kerr).
- 38440 WOODROFFE, G. E. The *Lygus pratensis* complex (Hem., Miridae) in Britain. Entomologist 99(1239):201-206. Ref. Aug. 1966. 421 En8
- 38441 WOODROFFE, G. E. A taxonomic note on *Saldula pallipes* (Fab.) and *Saldula palustris* (Doug.) (Hem., Saldidae). Entomologist 99 (1239):190-192. Aug. 1966. 421 En8

Hymenoptera

- 38442 ALLEN, H. W. The genus *Epomidiopteron* Romand (Hymenoptera: Tiphidae). Entomol. News [Philadelphia] 77(8):205-211. Oct. 1966. 421 En88
- Epomidiopteron julii*.
- 38443 ANSARI, M. H. On a new species of fig insects (Chalcidoidea: Hymenoptera) from India. Indian J. Entomol. 28(1):74-83. Mar. 1966. 420 In23
- Parakebeola glomeratus* n. sp.
- 38444 CAGNIANT, H. Description of three castes of *Leptothorax tyndali* (Forel) (Hym., Formicidae). (Fr) Soc. Entomol. France. Bull. 71 (1/2):17-21. Jan./Feb. 1966. 420 F84B
- 38445 COLLINGWOOD, C. A., and BARRETT, K. E. J. Additions to the Vice-County distribution of British ants, 1966. Entomologist [London] 99(1241):254-256. Oct. 1966. 421 En8
- 38446 GRAHAM, M. W. R. DE V. A new species of *Spalangipelta* (Hym., Chalcidoidea, Pteromalidae) from the British Isles. Entomologist 99(1239):187-189. Aug. 1966. 421 En8
- Spalangipelta procera* n. sp.
- 38447 HURD, P. D., and LINSLEY, E. G. The Mexican squash and gourd bees of the genus *Peponapis* (Hymenoptera: Apoidea). Entomol. Soc. Amer. Ann. 59(4):835-851, map. July 1966. 420 En82
- Includes n. spp.
- 38448 JACKSON, D. L. A Nearctic species of *Iphitrachelus*, [*I. foutsii* n. sp.] with a key to known species (Hymenoptera: Platygasteridae). Entomol. Soc. Wash. Proc. 68(3):265-268. Sept. 1966. 420 W27
- 38449 JACKSON, D. L. A new species of *Metanopodias* from Great Britain (Hymenoptera: Platygasteridae). Entomol. Soc. Amer. Ann. 59(4): 734-736. July 1966. 420 En82
- Metanopodias britannicus* n. sp.
- 38450 KAMIJO, K. Descriptions of five new species of Eulophinae from Japan and other notes (Hymenoptera: Chalcidoidea). Insecta Matsumurana 28(1):69-78. Aug. 1965. 421 In77
- New spp. in *Sympiesis* and *Encopa*.
- 38451 LAU, K. Present taxonomic position of the sub-family Pimplinae (Hymenoptera: Ichneumonidae) with addition of new hosts and new distributions of some of the species in India. Indian J. Entomol. 28(1):121-125. Mar. 1966. 420 In23
- 38452 MARSH, P. M. The Nearctic *Dorycteninae*. III. The genus *Cecropius* Ashmead (Hymenoptera: Braconidae). Entomol. Soc. Wash. Proc. 68(3):240-246. Sept. 1966. 420 W27
- Includes n. spp.

- 38453 MICHENER, C. D. A new species of *Anthocopa* from India (Hymenoptera, Megachilidae). Entomologist [London] 99(1237):146-150. June 1966. 421 En8
Anthocopa matheranensis n. sp.
- 38454 MICHENER, C. D., and SOKAL, R. R. Two tests of the hypothesis of nonspecificity in the *Hoplitis* complex (Hymenoptera: Megachilidae). Entomol. Soc. Amer. Ann. 59(6):1211-1217. Ref. Nov. 1966. 420 En82
Taxonomy and morphology.
- 38455 MIKE, P. B. DE. An affection of *Robusta* coffee in the eastern Cameroons; wicker basket defoliation. (Fr) *Cacao*, The 10(3):237-242. July/Sept. 1966. 68.8 C112
English summary.
Caused by *Sphaerocrema dewasi* n. sp.
- 38456 MOMOI, S. Description of a new genus of Glyptini with notes on the generic limits of Glypta and allied genera (Hymenoptera: Ichneumonidae). Insecta Matsumurana 28(1):79-82. Aug. 1965. 421 In77
Zygoglypta n. g.
- 38457 MOORE, C. G. Taxonomy of the *coeruleans* group of the genus *Chrysis* in North America (Hymenoptera: Chrysididae). Entomol. Soc. Amer. Ann. 59(6):1125-1131. Nov. 1966. 420 En82
Includes *C. parkeri* n. sp.
- 38458 NELSON, J. M. Parasites in *Polistes* nests. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:83-84. 1966, pub. 1967. 422.12 N81
- 38459 PARKER, F. D. On the subfamily *Astatinae*. III. A new genus of Mexican *Astatinae*, with notes on related genera (Hymenoptera: Sphecidae). Entomol. Soc. Amer. Ann. 59(4):765-767. July 1966. 420 En82
Includes n. sp. in *Uniplectron* n. g.
- 38460 PASTEELS, J. J. Megachilidae (genres: *Creightoniella*, *Megachile* et *Chalicodoma*) peu connues ou nouvelles des regions palearctique et africaine (Megachilidae) (genera: *Creightoniella*, *Megachile* et *Chalicodoma*) little known or new for the African and Palearctic Regions]. Soc. Roy. Entomol. Belg. Bull. Ann. 102(1), 19 p. Jan. 1966. 420 B41
Includes *Chalicodoma* (*Parachalicodoma*) n. sgen. and n. spp. in *Megachile*.
- 38461 PONOMARENKO, N. G. New Gonatopodinae of the USSR fauna (Hymenoptera, Dryinidae). (Rus) *Zool. Zh.* 45(10):1578-1580. 1966. 410 R92
English summary.
A New spp. in *Pachygonatopus* and *Cyrtogonatopodius* n. g.
- 38462 ROZEN, J. G. Taxonomic descriptions of the immature stages of the parasitic bee, *Stelis* (*Odontostelis*) *bilineolata* (Spinola) (Hymenoptera: Apoidea: Megachilidae). N. Y. Entomol. Soc. J. 74(2):84-91. Ref. June 29, 1966. 420 N48J
- 38463 SMITH, D. R. The identity of three shoot-boring sawfly larvae of roses (Hymenoptera: Tenthredinidae). Entomol. Soc. Amer. Ann. 59(6):1292. Nov. 1966. 420 En82
Cladardis elongatula, *Ardis bruniventris*, and *A. sulcata*.
- 38464 SMITH, D. R. A new *Profenusa* (Hymenoptera: Tenthredinidae) from red oak, with keys to the adults and known larvae of the Nearctic species. Entomol. Soc. Amer. Ann. 59(4):719-723. July 1966. 420 En82
Profenusa mainensis n. sp.
- 38465 SMITH, D. R. Taxonomic changes in the Tenthredinidae (Hymenoptera: Symphyta). Entomol. Soc. Wash. Proc. 68(3):247-250. Sept. 1966. 420 W27
- 38466 TAKADA, H. A new species of the genus *Toxares* Haliday from Japan (Hymenoptera: Aphididae). Insecta Matsumurana 28(1):17-18. Aug. 1965. 421 In77
Toxares shigai n. sp.
- 38467 TOWNES, H. Two ichneumonids described incorrectly as from South America (Hymenoptera). Entomol. Soc. Wash. Proc. 68(3):180-181. Sept. 1966. 420 W27
Gelis cayennator and *Lissonota bifasciata*.
- 38468 WATANABE, C., and TAKADA, H. A revision of the genus *Paesia* Quilis in Japan, with descriptions of three new species (Hymenoptera: Aphididae). Insecta Matsumurana 28(1):1-17. Ref. Aug. 1965. 421 In77
Paesia nopporensis, n. sp., *Paesia sora-numensis* n. sp., and *Paesia momicola*, n. sp.

Lepidoptera

- 38470 ALLAN, P. B. M. Copper butterflies in the West Country. Entomol. Rec. J. Variation 78(7/8):161-166. (Cont.) July/Aug. 1966. 421 En89
Lycaena virgaureae; identification.
- 38471 ALLAN, P. B. M. Copper butterflies in the West Country. Entomol. Rec. J. Variation 78(9):198-202. (Concl.) Sept. 1966. 421 En89
- 38472 BENNETT, N. H. A new subspecies of *Micropentila* (Lep., Lycaenidae) from Middle Congo. Entomologist 99(1239):186. Aug. 1966. 421 En8
Micropentila brunnea centralis.
- 38473 BRETHERTON, R. F. Additions to the list of Macrolepidoptera and Pyralidae of north-west Surrey. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 1:18-30, map. May 1965. 420 S08
Collecting and distribution.
- 38474 CAMPBELL, J. L. Isle of Canna—1966 spring migrants. Entomol. Rec. J. Variation 78(9):215. Sept. 1966. 421 En89
Lepidoptera.
- 38475 CHALMERS-HUNT, J. M. The butterflies and moths in Kent; a critical account. II. Entomol. Rec. J. Variation 78(7/8, sup.):307-(310). July/Aug. 1966. 421 En89
- 38476 CHALMERS-HUNT, J. M. The butterflies and moths in Kent; a critical account. II. Entomol. Rec. J. Variation 78(9, sup.):311-(314). Sept. 1966. 421 En89
- 38477 CHALMERS-HUNT, J. M. The butterflies and moths in Kent; a critical account. II. Entomol. Rec. J. Variation 78(10, sup.):315-(322). Oct. 1966. 421 En89
- 38478 CHALMERS-HUNT, J. M. *Colias croceus* Fourc. (clouded yellow) in 1966. Entomol. Rec. J. Variation 78(10):238. Oct. 1966. 421 En89
- 38479 CHALMERS-HUNT, J. M. *Depressaria ciliella* Staint. (Lep.: Tineina) in Perthshire. Entomol. Rec. J. Variation 78(10):238. Oct. 1966. 421 En89
- 38480 CHALMERS-HUNT, J. M. *Laspeyresia pallifrontana* Zeller (Lep.: Eucosmidae) in Kent. Entomologist 99(1239):199. Aug. 1966. 421 En8
On *Astragalus glycyphyllos*.
- 38481 CHALMERS-HUNT, J. M. *Lithocolletis acerifoliella* Zell. spp. *joannis* Le March. (Lep. Tineina). Entomol. Rec. J. Variation 78(10):238. Oct. 1966. 421 En89
Text in English.
- 38482 CHALMERS-HUNT, J. M. *Mompha raschkiella* Zell. (Lep. Tineina) in Lanarkshire. Entomol. Rec. J. Variation 78(10):237. Oct. 1966. 421 En89
- 38483 CLARKSON-WEBB, O. P. Questions from a non-collector. Entomol. Rec. J. Variation 78(10):236-237. Oct. 1966. 421 En89
Interested in conservation of Lepidoptera.
- 38484 COMMON, I. F. B. A new family of Bombycoidea (Lepidoptera) based on *Carthaea saturnioides* Walker from Western Australia. Entomol. Soc. Queensland. J. 5:29-36. Ref. 1966. 420 En823
Carthaeidae n. fam.
- 38485 COMMON, I. F. B. A new species of *Oncopera* (Lepidoptera: Hepialidae) from New South Wales, with taxonomic notes on the genus. Entomol. Soc. Queensland. J. 5:18-28. Ref. 1966. 420 En823
Oncopera tindalei n. sp.
- 38486 DACE, J. V., and STOUGHTON-HARRIS, G. Collecting butterflies in south eastern France in July 1965. Entomol. Rec. J. Variation 78(7/8):168-172. July/Aug. 1966. 421 En89

- 38487 DE WORMS, BARON C. G. M. Easter on the French Riviera, April 1966. Entomol. Rec. J. Variation 78(9):192-197. Sept. 1966. 421 En89 Collecting Lepidoptera.
- 38488 DE WORMS, BARON C. G. M. A review of the Macrolepidoptera of the London area for 1964 and 1965. London Natur. 45:89-97. 1966. 420 L843
- 38489 DICKSON, C. G. C. A Cape coastal Poecilmitis Butler (Lepidoptera: Lycaenidae) previously unknown. Entomol. Rec. J. Variation 78(7/8): 181-182. July/Aug. 1966. 421 En89
Poecilmitis atlantica n. sp. from South Africa.
- 38490 DICKSON, C. G. C. A new species of Lepidochrysops Hedecke [L. braueri] (Lepidoptera: Lycaenidae) from the Western Cape Province. Entomol. Rec. J. Variation 78(9):189-192. Sept. 1966. 421 En89
- 38491 DICKSON, C. G. C. Revisional notes on the Cape lycaenid Poecilmitis brooksii Riley, with the description of a recently-recognised race of this species. Entomol. Rec. J. Variation 78(10):217-219. Oct. 1966. 421 En89
Poecilmitis brooksii tearei in the Republic of South Africa.
- 38492 DUCKWORTH, W. D. New synonymy and new assignments in Western Hemisphere Stenomiidae Lepidoptera: Gelechioidea. Entomol. Soc. Wash. Proc. 68(3):195-198. Sept. 1966. 420 W27
- 38493 FRANCEMONT, J. G. Two new species of Arctiidae from southern Arizona (Lepidoptera, Arctiidae, Arctiinae). Entomol. Soc. Wash. Proc. 68(3):250-257. Sept. 1966. 420 W27
Arachnis nedyma n. sp. and Apocriasias thau-masta n. g., n. sp.
- 38494 FRENCH, R. A. Migration records, 1964. Entomologist [London] 99(1241):233-236. Oct. 1966. 421 En8
Lepidoptera.
- 38495 GREENWOOD, J. A. C., and GREENWOOD, D. Some butterflies and moths in Sardinia, July and August 1965. Entomol. Rec. J. Variation 78(10):224-226. Oct. 1966. 421 En89
- 38496 HAFGER, E. New finds in the Brandenburg Macrolepidoptera fauna. (Ge) Deut. Entomol. Ges. Mitt. 24(3):44. July 31, 1965. 420 D482
Aethmia (Cirrhoedia) xerampelina and Bapta distinctata.
- 38497 HEATH, J. A comparison of the catches obtained in insect traps fitted with 15 watt and 6 watt "blacklight" fluorescent tubes. Entomol. Rec. J. Variation 78(10):222-223. Oct. 1966. 421 En89
- 38498 HIGGINS, L. G. Check-list of Turkish butterflies. Entomologist [London] 99(1240):209-222, map. Sept. 1966. 421 En8
- 38499 HUGGINS, H. C. Notes on the Microlepidoptera. Entomol. Rec. J. Variation 78(7/8):166-167. July/Aug. 1966. 421 En89
Collecting.
- 38500 HULME, D. C. Invasion of [Plusia] gamma, [Vanessa] cardui and [V.] atalanta in N.W. Scotland. Entomol. Rec. J. Variation 78(9):215-216. Sept. 1966. 421 En89
- 38501 INOUE, S., and KAWAZOE, A. Riodinidae, Curoletidae and Lycaenidae (Lepidoptera: Rhopalocera) butterflies from South Vietnam. Natur. Life Southeast Asia 4:317-394, map. Mar. 1965. 410 N2195
- 38502 KERR, J. F. R. New records of Lepidoptera in Australia. Entomol. Soc. Queensland. J. 5: 72-73. 1966. 420 En823
- 38503 KETTLEWELL, H. B. D. Early migrants 1966. Entomol. Rec. J. Variation 78(9):214. Sept. 1966. 421 En89
Lepidoptera.
- 38504 KUMATA, T. On the species of the genera Parornix Spuler and Callisto Stephens occurring in Japan, with descriptions of two new species (Lepidoptera: Gracillariidae). Insecta Matsumurana 28(1):62-68. Aug. 1965. 421 In77
Parornix minor n. sp. and Parornix alni n. sp.
- 38505 LIPSCOMB, C. G. Vanessa cardui L. Entomol. Rec. J. Variation 78(9):214-215. Sept. 1966. 421 En89
Text in English.
- 38506 LOWRY, W. L. Preservation of larvae of the pink bollworm [Pectinophora gossypiella]. J. Econ. Entomol. 59(5):1300-1301. Oct. 1966. 421 J822
- 38507 MEREDITH, S. L. Vanessa cardui L. Entomol. Rec. J. Variation 78(9):216. Sept. 1966. 421 En89
Text in English.
- 38508 O'HEFFERNAN, H. L. Observations on family Spingidae found around Cape Town, South Africa. Entomol. Rec. J. Variation 78(9):212-213. Sept. 1966. 421 En89
- 38509 OKU, T. Discovery of Epinotia signatana (Douglas) in Japan. Insecta Matsumurana 28(1):68. Aug. 1965. 421 In77
- 38510 RARER vagrant species recorded in the British Isles in 1964. Entomologist [London] 99(1241): 237-240. Oct. 1966. 421 En8
Lepidoptera.
- 38511 SILCOCKS, T. B. Leucania unipuncta and other [Lepidoptera] migrants in Somerset. Entomol. Rec. J. Variation 78(10):226. Oct. 1966. 421 En89
- 38512 SKVORTSOV, V. Additional data on goat moths. (Es) Eesti Loodus 3:178. May/June 1965. 409.8 Ee
Notes on Cossus cossus.
- 38513 SYMES, H. The wood white (Leptidea sinapis L.) in Wessex. Entomol. Rec. J. Variation 78(9):210-212. Sept. 1966. 421 En89
- 38514 VAN SON, G. The nomenclatural status of Vanessa kershawi (McCoy) (Lepidoptera: Nymphalidae). Entomol. Soc. Queensland. J. 5:66. 1966. 420 En823
- 38515 WARREN, B. C. S. Pyrgus malvae asiaeclara Verity. Entomol. Rec. J. Variation 78(7/8): 173-174. July/Aug. 1966. 421 En89
Taxonomy and distribution.
- 38516 WEST, B. K. Butterflies of New Providence Island, Bahamas. Entomol. Rec. J. Variation 78(7/8):174-179. (Cont.) July/Aug. 1966. 421 En89
Collecting, taxonomy and distribution.
- 38517 WEST, B. K. Butterflies of New Providence Island, Bahamas. Entomol. Rec. J. Variation 78(9):206-210. (Cont.) Ref. Sept. 1966. 421 En89

Orthoptera

- 38518 KEVAN, D. K. M. Some little-known flightless species of Pyrgomorphae from South Africa, with a description of new genus and species (Orthoptera: Acridoidea). Roy. Entomol. Soc. London. Proc. Ser. B. Taxonom. 35(7/8):79-86. Aug. 17, 1966. 420 L84Pb
Includes Carinisphenia producta n. g., n. sp.
- 38519 ROY, R. Apteroecorypha, a new genus of the Malagasy mantids (Dict.). Species-type Hoplocorypha aurita Sauss. and Zhnt. (Fr) Soc. Entomol. France. Bull. 71(1/2):22-24. Jan./Feb. 1966. 420 F84B
- 38520 SAVENKO, R. F. Fauna saranchovykh Gruzii [Locust fauna of Georgia]. Tbilisi, Metsniereba, 1966. 156 p. Ref. QL508.A252
- 38521 WISE, A. J. The macropterous form (f. marginata) of Metrioptera brachyptera (Linnaeus) (Orthoptera, Tettigoniidae) in Hampshire. Entomologist [London] 99(1237):151. June 1966. 421 En8
- 38522 YASUMATSU, K. On the identity of Entoria okinawensis Shiraki (Phasmida). Mushi 38(15): 123-124. Apr. 30, 1965. 421 M97

Smaller Orders

- 38523 CLAY, T. The species of Strigiphilus (Molophilidae: Philopteridae) parasitic on the barn owls, Tyto (Tytonidae). Entomol. Soc. Queensland. J. 5:10-17, map. 1966. 420 En823
Includes S. aitkeni n. sp.

- 38524 DYADECHKO, N. P. Material on Thysanoptera of the genus *Aptinothrips* Hal. (Rus) Nauch. Dok. Vysshie Shkoly. Biol. Nauk. 1:10-14. 1965. 442.8 N22
Taxonomy.
- 38525 EMERSON, K. C., and PRICE, R. D. A new genus and two new species of ischnocera occurring on frogmouths (Podargidae) (Mallophaga). Entomol. Soc. Wash. Proc. 68(3):224-227. Sept. 1966. 420 W27
Podargocercus papuensis n. g., n. sp. and *P. strigoides* n. sp.
- 38526 EMERSON, K. C., and PRICE, R. D. A new species of Paraficicola (Mallophaga: Trichodectidae) from the small-spotted genet. Biol. Soc. Wash. Proc. 79:231-234. Dec. 1, 1966. 500 W272
Paraficicola africanus n. sp.
- 38527 FLINT, O. S. A new *Sisyra* from Israel (Neuroptera: Sisyridae). Entomol. Soc. Wash. Proc. 68(3):183-184. Sept. 1966. 420 W27
Sisyra trilobata n. sp.
- 38528 GAMBLES, R. M. Two new species of Nesiothemsis Longfield, 1955 (Odonata) from Nigeria. Entomologist 99(1238):161-173. July 1966. 421 En8
Nesiothemsis minor n. sp. and *N. nigeriensis* n. sp.
- 38529 GAY, F. J. A new genus of termites (Isoptera) from Australia. Entomol. Soc. Queensland. J. 5:40-43. 1966. 420 En823
Incolitermes n. g.
- 38530 HAPPOLD, D. C. Dragonflies of Jebel Marra, Sudan. Roy. Entomol. Soc. London. Proc. Ser. A. Gen. Entomol. 41(4/6):87-91, map. July 6, 1966. 420 L84Pa
- 38531 HARRIS, W. V. The genus *Ancistrotermes* (Isoptera). Brit. Mus. (Natur. Hist.) Bull. Entomol. 18(1), 20 p., map. 1966. 420 B773
Includes n. spp.
- 38532 KIM, K. C. A new species of *Hoplopleura* from Thailand, with notes and description of nymphal stages of *Hoplopleura captiosa* Johnson (Anoplura). Parasitology 56(4):603-612. Ref. Nov. 1966. 448.8 P21
Hoplopleura johnsonae n. sp.
- 38533 KIM, K. C. The species of *Enderleinellus* (Anoplura, Hoplopleuridae) parasitic on the *Sclerini* and *Tamiaciurini*. J. Parasitol. 52(5):988-1024. Ref. Oct. 1966. 448.8 J824
Includes n. spp.
- 38534 LEPNEVA, S. G. Lichinki i kukolki podryada tsel'noshchupikovykh (Integripalpalia) [Larvae and nymphs of the suborder Integripalpalia]. Fauna SSSR. Rucheinki 2(2), 560 p. Ref. 1966. 432 F272
A systematic list of species.
- 38535 MASSOUD, Z., and BETSCH, J. M. Description of a new lineage of Entomobryomorpha Collembola collected in Madagascar. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(9):733-735. Aug. 29, 1966. 505 P21
Microfalcula delamarei n. g., n. sp. and *Microfalculinae* n. sfam. of the Entomobryidae.
- 38536 MITRA, S. K. Two new species of *Salina* McGillivray (Collembola: Entomobryidae: Paronellinae) from India. Indian J. Entomol. 28(1):67-73. Mar. 1966. 420 In23
Salina bififormis n. sp. and *S. migrocephala* n. sp.
- 38537 O'NEILL, K. A new name combination in Chaetanaphothrips Priesner, 1925 (Thysanoptera, Thripidae). Entomol. Soc. Wash. Proc. 68(3):274. Sept. 1966. 420 W27
Chaetanaphothrips deformans (Karny) n. comb.
- 38538 PACLT, J. Neue Beitrage zur Kenntnis der Apterygoten-Sammlung des Zoologischen Staatnsinstituts und Zoologischen Museums Hamburg. II. Lepismantidae und Maidroniidae (Thysanura) [New contributions to the study of the Apterygota collection of the State Zoological Institute and Zoological Museum in Hamburg. II. Lepismantidae and Maidroniidae (Thysanura)]. Hamburg. Zool. Staatsinst. Zool. Mus. Entomol. Mitt. 3(57), 15 p. Ref. 1966. 421 H17
- 38539 PAULIAN, R., and PAJOT, F. X. Anoplura from the Central African Republic and Congo (Brazzaville). (Fr) Soc. Entomol. France. Bull. 71(1/2):40-51. Jan./Feb. 1966. 420 F84B
Includes *Haematopinus jeannereti* n. sp. and *Hoplopleura chipauxi* n. sp.
- 38540 POPHAM, E. J., and BRINDLE, A. The Brachylabinae and Platyabinae (Carcinophoridae). Entomologist [London] 99(1241):241-246. Oct. 1966. 421 En8
- 38541 PRICE, R. D., and BEER, J. R. The genus *Psittacomenopon* (Mallophaga: Menoponidae) of the Psittaciformes. Entomol. Soc. Amer. Ann. 59(5):950-955. Sept. 1966. 420 En82
Includes *P. guillemi* n. sp.
- 38542 SASVARI-SCHAFER, L. Two new Mallophaga species from Chile. (Hu) Aquila 71/72:211-218. 1964-65, pub. 1966. 413.8 Aq5
Text also in English.
Menacanthus kevei and *Ricinus capensis* n. spp.
- 38543 STRASSEN, R. ZUR. Taxonomic, systematic remarks on the genus *Apterythrips* Priesner (Insecta, Thysanoptera, Phlaothripidae). (Ge) Senckenb. Biol. 47(3):161-175. June 1, 1966. 410.9 Se5
Includes n. spp. and *Jacobothrips* n. g.

ECONOMIC ENTOMOLOGY

- 38544 ATALLAH, Y. H., and NEWSOM, L. D. Ecological and nutritional studies on *Coleomegilla maculata* De Geer (Coleoptera: Coccinellidae). III. The effect of DDT, toxaphene, and endrin on the reproductive and survival potentials. J. Econ. Entomol. 59(5):1181-1187. Ref. Oct. 1966. 421 J822
- 38545 BARTLETT, B. R. Toxicity and acceptance of some pesticides fed to parasitic Hymenoptera and predatory coccinellids. J. Econ. Entomol. 59(5):1142-1149. Ref. Oct. 1966. 421 J822
- 38546 BEIRNE, B. P. Present and future role of parasites and predators for insect control. U. S. Agr. Res. Serv. ARS-33:110:65-70. July 1966. A420 R31
- 38547 BEROZA, M. The future role of natural and synthetic attractants for pest control. U. S. Agr. Res. Serv. ARS-33:110:34-41. Ref. July 1966. A420 R31
Baits and traps; includes sex attractants.
- 38548 BONNEMAISON, L. Tests of chemosterilant substances. II. Effect on various Lepidoptera. (Fr) Phytat. -Phytopharm. 15(2):79-92. Ref. 1966. 454.8 P564
Apholate and metepa effects on *Mamestra brassicae* and *Plutella maculipennis*.
- 38549 BOVEY, P. The problem of biological equilibrium and agricultural production. (Fr) Confed. Europe. Agr. Publ. CEA 33:151-168. Ref. 1966. 28 C763
In relation to insect control.
- 38550 BRACHA, P., and BONARD, J. P. Determination of bromophos residues. J. Agr. Food Chem. 14(6):609-612. Ref. Nov./Dec. 1966. 381 J8223
In mud in a West African village and in people exposed to the insecticide.
- 38551 BRACHA, P., and O'BRIEN, R. D. The relation between physical properties and uptake of insecticides by eggs of the large milkweed bug [*Oncopeltus fasciatus*]. J. Econ. Entomol. 59(5):1255-1264. Ref. Oct. 1966. 421 J822
Insecticides labeled with H^3 or C^{14} .
- 38552 BRADY, N. C. Problems associated with the development and use of pest-control measures. U. S. Agr. Res. Serv. ARS-33:110:59-65. July 1966. A420 R31
- 38553 BRAZZEL, J. R., and WATSON, W. W. Low volume spray patterns with three types of aerial application equipment. Agr. Aviation 8(4):119-121. Oct. 1966. 333.8 Ag8
Insecticides.
- 38554 BROWN, A. W. A. Pest control by chemical means. U. S. Agr. Res. Serv. ARS-33:110:3. July 1966. A420 R31

- 38555 BROWN, N. P. H., FORSTER, A. S., and FURMIDGE, C. G. L. Stability of agricultural chemicals. I. Hydrolytic and thermal stabilities of phosphorylated crotonamides. *J. Sci. Food Agr.* 17(11):510-517. Ref. Nov.1966. 382 Sol2 Bidrin and Azodrin.
- 38556 CARLETON, W. M., and BRAZEE, R. F. Role of agricultural engineers in pest control. *U. S. Agr. Res. Serv. ARS-33-110:202-214.* Ref. July 1966. A420 R31
Includes insecticide application techniques and equipment.
- 38557 CHEYMOL, J., and others. Contribution to the study of organic combinations of acids derived from phosphorus. Relations between anticholinesterase and insecticide activities. I. Derivatives of ortho-phosphoric and phosphonic acids. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(11):2195-2197. 1965. 442,9 P21
P. Chabrier, N. T. Thuong, A. Thizy, D. Demozay, and D. Pillon, joint authors.
- 38558 CHRISTENSON, L. D. Application of sterilization techniques for controlling and eradicating insect pests. *U. S. Agr. Res. Serv. ARS-33-110:95-102.* July 1966. A420 R31
- 38559 DAS, S. K., and MEHTA, P. R. Gravity separation of BHC and inert carrier in dusting operation. *Plant Protect. Bull.* 17(1/2):26-28. 1965. 421 P69
- 38560 DELVES, R. B., and WILLIAMS, V. P. The analysis of the organophosphorus pesticide fenitrothion, by an infrared method. *Analyst* 91(1089):779-782. Dec.1966. 382 An1
- 38561 DOUTT, R. L. Pest control by biological means. *U. S. Agr. Res. Serv. ARS-33-110:58-59.* July 1966. A420 R31
- 38562 EICKSTEDT, H. VON, and KRAMER, P. Aerial application of insecticides in Central America. *Agr. Aviation* 8(4):122-125, map. Oct.1966. 333,8 Ag8
- 38563 GENTRY, J. W. Status report on insect loss information, 1966. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:65-67. 1966, pub.1967. 422,12 N81
- 38564 GLEISS, H. G. W. Trouble with ants [Monomorphism pharaonis]. (Ge) *Kosmos* 62(6):223. June 1966. 474 K842
As pests in Germany.
- 38565 GLEN, R. The need for interdisciplinary research in pest control. *U. S. Agr. Res. Serv. ARS-33-110:4-9.* Ref. July 1966. A420 R31
- 38566 GROSCH, D. S. Poisoning with DDT: effect on reproductive performance of *Artemia*. *Science* 155(3762):592-593. Feb.3,1967. 470 Sc12
- 38567 HAMILTON, D. J. Partition chromatography of trichlorophen. *Queensland J. Agr. Anim. Sci.* 23(1):69-75. Mar.1966. 23 Q37
- 38568 HAMILTON, D. J., and BECKMANN, T. J. A rapid infrared spectrophotometric method for the analysis of pp-DDT in formulations of technical DDT. *Analyst* 91(1089):817-819. Dec.1966. 382 An1
- 38569 HARRIS, C. R. Influence of soil type on the activity of insecticides in soil. *J. Econ. Entomol.* 59(5):1221-1225. Ref. Oct.1966. 421 J822
Acheta pennsylvanicus, test insect.
- 38570 HARRIS, C. R., and MAZUREK, J. H. Laboratory evaluation of candidate materials as potential soil insecticides. *J. Econ. Entomol.* 59(5):1215-1221. Ref. Oct.1966. 421 J822
Acheta pennsylvanicus and *Chaetopsis debilis*, test insects.
- 38571 HEIMPEL, A. M. A critical review of *Bacillus thuringiensis* var. *thuringiensis* Berliner and other crystalliferous bacteria. *Annu. Rev. Entomol.* 12:287-322. 1967. 421 An72
Includes use in biological control.
- 38572 HEIMPEL, A. M. A crystalliferous bacterium associated with a "blister disease" in the earthworm, *Eisenia foetida* (Savigny). *J. Invertebrate Pathol.* 8(3):295-298. Sept.1966. 421 J826
Bacillus thuringiensis.
- 38573 HEIMPEL, A. M. Insect pathology, present and future. *U. S. Agr. Res. Serv. ARS-33-110:70-75.* Ref. July 1966. A420 R31
Includes biological control.
- 38574 HELLENBRAND, K. The effects of combined application of organic phosphate insecticides and carbamate insecticides on *Drosophila melanogaster*. (Ge) *Entomol. Exp. Appl.* 9(2):223-246. Ref. 1966. 421 En895
English summary.
- 38575 HENSON, J. L. The effects of apholate on the reproductive organs of the face fly, *Musca autumnalis*. *Diss. Abstr.*, Sect. B, 27(5):1655B. Nov.1966. Z5055.U49D53
- 38576 HÖCKENYOS, J. Pesticide stains on damageable surfaces; causes and cures. *Pest Contr.* 35(1):16-18. 21-22. Jan.1967. 449,8 Ex8
Insecticides.
- 38577 KEUP, L. E. Stream biology for assessing sewage treatment plant efficiency. *Water Sewage Works* 113(11):411-417. Ref. Nov.1966. 290,8 M92
Includes insects and algae.
- 38578 KRIEG, A. A bioassay of the exotoxin of *Bacillus thuringiensis* with *Drosophila melanogaster*. (Ge) *Entomol. Exp. Appl.* 9(2):185-190. Ref. 1966. 421 En895
English summary.
- 38579 LAWSON, F. R., GENTRY, C. R., and STANLEY, J. M. Experiments on the control of insect populations with light traps. *U. S. Agr. Res. Serv. ARS-33-110:194-202.* Ref. July 1966. A420 R31
- 38580 LLOYD, G. A., and BELL, G. J. Mobile laboratory methods for the determination of pesticides in air. I-II. *Analyst* 91(1089):806-809. Dec.1966. 382 An1
I, Phosphorothiolothionates; II, Thionazin.
- 38581 MAGNER, J. M. Where do we stand on insect loss information? *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:67-68. 1966, pub.1967. 422,12 N81
- 38582 MAIN, A. R., and HASTINGS, F. L. A comparison of acylation, phosphorylation and binding in related substrates and inhibitors of serum cholinesterase. *Biochem. J.* 101(3):584-590. Ref. Dec.1966. 328 B52
Organic phosphorus insecticides effect on human serum cholinesterase.
- 38583 METCALF, R. L. Mode of action of insecticide synergists. *Annu. Rev. Entomol.* 12:229-256. 1967. 421 An72
- 38584 METCALF, R. L. Requirements for insecticides of the future. *U. S. Agr. Res. Serv. ARS-33-110:9-23.* Ref. July 1963. A420 R31
Includes toxicity and insect resistance.
- 38585 MOODY, R. W. Machine could remove risk of insecticide residues. *New Zeal. J. Agr.* 112(6):31,33. June 1966. 23 N48J
- 38586 MURRAY, E. D., and SPENCER, E. Y. A simplified purification technique for parasporal inclusions from certain varieties of *Bacillus thuringiensis*. *J. Invertebrate Pathol.* 8(3):418-420. Sept.1966. 421 J826
- 38587 NELSON, S. O., and SEUBERT, J. L. Electromagnetic energy and sound for use in control of certain pests. *U. S. Agr. Res. Serv. ARS-33-110:177-194.* July 1963. A420 R31
Review of the literature.
Includes insects and birds.
- 38588 NEWSOM, L. D. Consequences of insecticide use on nontarget organisms. *Annu. Rev. Entomol.* 12:257-286. 1967. 421 An72
Toxicity of residues.
- 38589 OMAN, P. Current trends and broad objectives of USDA Entomology Research Division Program. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:13-19. 1966, pub.1967. 422,12 N81
- 38590 PALMQUIST, J., and LACHANCE, L. E. Comparative mutagenicity of two chemosterilants, tepa and hempa, in sperm of *Bracon hebetor*. *Science* 154(3751):915-917. Nov.18,1966. 470 Sc12
- 38591 PANEL-Where do we stand on insect losses information? *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:62-68. 1966, pub.1967. 422,12 N81
Moderator: A. C. Dowdy.
- 38592 PAUGH, R. Pest control by physical means. *U. S. Agr. Res. Serv. ARS-33-110:155.* July 1966. A420 R31
Includes traps.

- 38593 PRADHAN, S. Entomology round the globe. Indian J. Entomol. 28(1):126-149, map. Mar. 1966. 420 In23
Includes applied entomology and a list of entomological institutions visited.
- 38594 PRIESTER, L. E. The accumulation and metabolism of DDT, parathion, and endrin by aquatic food-chain organisms. Diss. Abstr., Sect. B, 27(5):1661B. Nov. 1966. Z5055.U49D53
- 38595 PURKAYASTHA, B. K., BHATTACHARYA, A., and MEHRA, B. P. Determination of the most suitable pruning methods and seasons for the lac tree, *Schleichera oleosa* (Lour.) Oken. Indian J. Agr. Sci. 36(2):67-73. Apr. 1966. 22 Ag831
To increase lac yields.
- 38596 RALLS, J. W., and CORTES, A. Existence of O,S-diethyl-O-(2-isopropyl-4-methylpyrimidin-6-yl) phosphorothioate (S-thetyl diazinon). J. Econ. Entomol. 59(5):1296-1297. Oct. 1966. 421 J822
- 38597 ROLSTON, L. H., and MCCOY, C. E. Introduction to applied entomology. New York, Ronald Press, 1966. 208 p. Ref. SB931.R6
Includes biological and chemical control.
- 38598 ROSLAVTSEVA, S. A. Abnormal effect of the phosphor-organic compound insecticides on hydrolysis of tributyrin in insects. (Rus) Khim. Sel'skom Khoz. 4(10):16-19. Oct. 1966. 385 K524
- 38599 SAMSINAKOVA, A. Growth and sporulation of submersed cultures of the fungus *Beauveria bassiana* in various media. J. Invertebrate Pathol. 8(3):395-400. Ref. Sept. 1966. 421 J826
Pathogenic fungus used in biological control of insects.
- 38600 SHAIKH, M. U., and MORRISON, F. O. Susceptibility of nine insect species to infection by *Bacillus thuringiensis* var. *thuringiensis*. J. Invertebrate Pathol. 8(3):347-350. Sept. 1966. 421 J826
- 38601 SMIRNOFF, W. A., and BERLINGUET, L. A substance in some commercial preparations of *Bacillus thuringiensis* var. *thuringiensis* toxic to sawfly larvae [Tenthredinidae]. J. Invertebrate Pathol. 8(3):376-381. Ref. Sept. 1966. 421 J826
- 38602 SONNET, P. E. Reaction of pyrrolidine with P-1-aziridinyl-N,N,N',N'-tetramethylphosphonic diamides. J. Org. Chem. 32(1):248-250. Jan. 1967. 381 J827
Part of investigation of the chemistry of insect chemoesterilants.
- 38603 SUMITOMO CHEMICAL CO. LTD. Neo-Pynamin and sumithion. Jap. Chem. Quart. 2(2):56-58. Apr. 1966. HD9657.J3J3
Insecticides.
- 38604 SUN, Y. P. Correlation between laboratory and field data on testing insecticides. J. Econ. Entomol. 59(5):1131-1134. Ref. Oct. 1966. 421 J822
- 38605 SYMPOSIUM ON PEST CONTROL BY CHEMICAL, BIOLOGICAL, GENETIC, and PHYSICAL MEANS. MONTREAL, 1964. [Papers]. U. S. Agr. Res. Serv. ARS-33-110, 214 p., map. Ref. July 1966. A420 R31
Chairman, E. F. Knipling; presented at meeting of the American Association for the Advancement of Science, Section O on Agriculture.
- 38606 TANTAWY, G., and others. A colorimetric method for the determination of low concentrations of Dipterex. Alexandria J. Agr. Res. 13(2):53-60. Ref. July 1965. 24 AL2
M. T. Shafik, I. G. Isaac, and S. A. El-Khishen, joint authors.
- 38607 TASHIRO, H., and STEINKRAUS, K. H. Virulence of species and strains of milky disease bacteria in the European chafer, *Amphimallon majalis* (Razoumowsky). J. Invertebrate Pathol. 8(3):382-389. Sept. 1966. 421 J826
15 strains of 5 species of *Bacillus*.
- 38608 VASHKOV, V. I., and others. Investigation of pyrethrins and of affiliated compounds. IX. Synthesis and insecticidal properties of some esters of d, l-cys, trans chrysanthemic monocarboxylic acid of 6-substituted piperonyl alcohols. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 10:106-109. Oct. 1966. 448.3 Z4
Yu. P. Volkov, G. M. Zubova, and N. F. Shugai, joint authors.
English summary.
Tested on *Musca domestica*, *Cimex lectularius*, and *Blattella germanica*.
- 38609 VASHKOV, V. I., and others. Investigation of pyrethrins and affiliated compounds. Insecticidal properties of allethrin. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 9:114-117. Sept. 1966. 448.3 Z4
Yu. P. Volkov, A. P. Volkova, G. M. Zubova, L. A. Polishchuk, A. V. Starkov, and I. A. Shenkman, joint authors.
English summary.
- 38610 VASHKOV, V. I., and others. Metaylnitrophos, a new promising insecticide. (Rus) Mikrobiol. Epidemiol. Immunobiol. 8:5-9. Aug. 1966. 448.3 Z4
V. P. Dremova, Ya. A. Mandelbaum, V. I. Zakolodkina, and V. D. Lariionova, joint authors.
English summary.
Tested on many insects.
- 38611 VOSS, G. Automated determination of activity and inhibition of cholinesterase with acetylthiocholine and dithiobisnitrobenzoic acid. J. Econ. Entomol. 59(5):1288-1290. Oct. 1966. 421 J822
- 38612 WEISS, M. G. Pest control by genetic means. U. S. Agr. Res. Serv. ARS-33-110:116-117. July 1966. A420 R31
A form of biological control.
- 38613 WHITE, C. E. Where do we stand on insect loss estimate. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:62-63. 1966, pub. 1967. 422.12 N81
- 38614 WILLINGHAM, C. A., and ANDERSEN, K. J. Use of microorganisms for detecting toxic materials in water. 1. Water Sewage Works 113(12):464-467. Dec. 1966. 290.8 M92
Insects and algae included.
- Pests of Animals and Man
- 38615 ABBAS, H. M., and SHABBIR, S. G. Insect sensitivity. Agr. Pakistan 16(3):325-328. Sept. 1965. 22 Ag832
Insect allergy in man.
- 38616 AHMED, S. S. Location of developing and adult worms of *Brugia* sp. in naturally and experimentally infected animals. J. Trop. Med. Hyg. 69(12):291-293. Ref. Dec. 1966. 448.8 J827
Brugia malayi and *B. pahangi* recovered from *Aedes togoi* and *A. aegypti*.
- 38617 AXTELL, R. C. Comparative toxicities of insecticides to house fly larvae and *Macrocheles muscaedomestica*, a mite predator of the house fly. J. Econ. Entomol. 59(5):1128-1130. Oct. 1966. 421 J822
- 38618 BURGDOFFER, W., FRIEDHOFF, K. T., and LANCASTER, J. L. Natural history of tick-borne spotted fever in the USA, susceptibility of small mammals [rodents] to virulent *Rickettsia rickettsii*. World Health Organ. Bull. 35(2):149-153. 1966. 449.9 W892B
Dermacenter andersoni as vector.
- 38619 BURGDOFFER, W. Transstadial and transovarial development of disease agents in arthropods. Annu. Rev. Entomol. 12:347-376. 1967. 421 An72
- 38620 CABLE, R. M. Animal parasites. In Lindsey, A. A. ed. Natural features of Indiana, a symposium, p.336-344. Ref. 1966. QH105.161.5
Includes arthropods as disease vectors of livestock and man.

- 38621 CANNON, L. R. G., and REYE, E. J. A larval habitat of the biting midge *Culicoides breviar-sis* Kieffer (Diptera: Ceratopogonidae). Entomol. Soc. Queensland, J. 5:7-9. Ref. 1966. 420 En823
Potential as vector of disease has increased since it was found in cow dung.
- 38622 CARPENTER ants annoy many operators; PC [Pest Control] survey uncovers treatment hints. Pest Contr. 35(1):42,44. Jan.1967. 449.8 Ex8
Camponotus control chiefly with chlordane.
- 38623 CHINAIEV, P. P., and KOGAI, E. S. Recommendations for treatment of water reservoirs with larvicides and for sanitary hydrotechnical measures for control of *Culicini* larvae in Uzbekistan. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):577-580. Sept./Oct.1966. 448.8 M469
English summary.
DDT and BHC used for control of *Aedes caspius* and *Culex modestus*.
- 38624 DARBY, F. J., HEENAN, M. P., and SMITH, J. N. The absence of glucuronide conjugates from [¹⁴C] 1-naphthol dosed flies and grass grubs; detection of 1-naphthylphosphate. Life Sci. 5(16):1499-1502. Aug.1966. 442.8 L62
Musca domestica, *Lucilia sericata*, and *Costelytra zealandica*; detoxification study.
- 38625 DE LA LANDE, I. S., THOMAS, D. W., and TYLER, M. J. Pharmacological analysis of the venom of the "bulldog" ant *Myrmica forficata*. In Raudonat, H. W., and Vanecek, J., ed. Recent advances in the pharmacology of toxins. v.3, p.71-75. 1965. QP941.R3
Species may be *M. pyrriformis*.
Includes discussion.
- 38626 DOMBROWSKI, T., and others. Toxic effect of parathion on albino rats. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6, pt.2):T1055-T1058. Ref. Nov./Dec.1966. 442.9 F31P
S. Zawistowski, T. Mincer, J. Gadomska, and M. Tyrakowski, joint authors.
- 38627 DOROUGH, H. W., and CROUCH, G. W. Persistence and residual effectiveness of various formulations of Baygon (Bayer 39007) against the house fly. J. Econ. Entomol. 59(5):1188-1190. Oct.1966. 421 J822
- 38628 DROBOZINA, V. P. Development of resistance to DDT in *Protophormia terrae-novae* R.-D. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):525-531. Sept./Oct.1966. 448.8 M469
English summary.
- 38629 DRUMMOND, R. O. The common cattle grub [*Hypoderma lineatum*] in cattle in southwestern Texas. J. Econ. Entomol. 59(5):1105-1108. Oct.1966. 421 J822
- 38630 DRUMMOND, R. O. Further evaluation of animal systemic insecticides, 1965. J. Econ. Entomol. 59(5):1049-1053. Ref. Oct.1966. 421 J822
Against *Hypoderma* in cattle.
- 38631 FLOCH, H. A. Ou en sommes-nous de point de vue paludisme en Guyane française en 1965? [What is the situation of malaria in French Guiana in 1965? Inst. Pasteur Guyane Franc. Inini. Publ. 495, 15 p. Sept.1965. 448.9 In77
Anopheles darlingi as vector of *Plasmodium falciparum* and the control of the mosquito with DDT.
- 38632 FUKAMI, J. I., YAMAMOTO, I., and CASTDA, J. E. Metabolism of rotenone in vitro by tissue homogenates from mammals and insects. Science 155(3763):713-716. Ref. Feb.10,1967. 470 Sc12
In *Musca domestica* and mice.
- 38633 HARRIS, R. L., and FRAZER, E. D. Chemosterilization of adult horn flies [*Haematobia irritans*]. J. Econ. Entomol. 59(5):1171-1173. Oct.1966. 421 J822
With apholate, tepa, and an aziridinyl benzoquinone compound.
- 38634 HASSAN, A., and other. Metabolism of carbamate drugs. I-II. Biochem. Pharmacol. 15(12):2045-2064. Ref. Dec.1966. 396.8 B52
S. M. A. D. Zayed, F. M. Abdel-Hamid, and T. M. Hussein, joint authors.
I. Metabolism of 1-naphthyl-n-methyl carbamate (Sevin) in the rat; II. Degradation of 1-naphthyl-n-methyl carbamate (Sevin) in adult larva of the cotton leaf worm (*Prodenia litua* F.).
- 38635 HENSON, E. B. Aquatic insect as inhalant allergens; a review of American literature. Ohio J. Sci. 66(5):529-532. Sept.1966. 410 Oh3
- 38636 HERRER, A., THATCHER, V. E., and JOHNSON, C. M. Natural infections of *Leishmania* and trypanosomes demonstrated by skin culture. J. Parasitol. 52(5):954-957. Oct.1966. 448.8 J824
Studied in wild animals; includes leptomomads found in *Phlebotomus*.
- 38637 HIBLER, C. P. Development of *Stephanotilia stilesi* in the horn fly. J. Parasitol. 52(5):890-898. Ref. Oct.1966. 448.8 J824
Haematobia irritans as intermediate host of cattle parasites.
- 38638 HOOGSTRAAL, H. Ticks in relation to human diseases caused by Rickettsia species. Annu. Rev. Entomol. 12:377-420. 1967. 421 An72
- 38639 HUTSON, D. H., AKINTONWA, D. A. A., and HATHWAY, D. E. The metabolism of 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (chlorfenvinphos) in the dog and rat. Biochem. J. 102(1):133-142. Ref. Jan.1967. 382 B52
Insecticide SD 7859.
- 38640 KLARNER, S. Use of ronnel in veterinary medicine in the light of literature. (Pol) Med. Weter. 22(11):674-677. Ref. Nov.1966. 41.8 M463
Ecto- and endoparasite control of livestock.
- 38641 KOCHAN, R. M., and CLARK, D. T. Prepatent period and parasitemia in *Leucocytozoon simondi* infections resulting from short exposures to sporozoites. J. Parasitol. 52(5):962-966. Ref. Oct.1966. 448.8 J824
Includes transmission by Simuliidae to ducks.
- 38642 KULANIN, V. L. Using cotton dust for control of mosquito larvae of the subfamily Culicinae. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):617-618. Sept./Oct.1966. 448.8 M469
English summary.
Culex, *Anopheles* and *Aedes*.
- 38643 LACHINOVA, R. I. The effect of poisoning with DDT upon the quantity and swelling of mitochondria of the wing musculature isolated from susceptible and resistant flies *Musca domestica* L. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):519-525. Sept./Oct.1966. 448.8 M469
English summary.
- 38644 LEARNER, M. A., and EDWARDS, R. W. The distribution of the midge *Chironomus riparius* in a polluted river system and its environs. Int. J. Air Water Pollut. 10(10):757-768, map. Ref. Oct.1966. 449.8 In8
Includes control with DDT.
- 38645 LE GAC, P. Repercussive effect of myxomatosis on exanthematous Mediterranean boutonneuse fever. (Fr) World Health Organ. Bull. 35(2):143-147. Ref. 1966. 449.9 W892B
English summary.
Rhipicephalus sanguineus as vector of *Rickettsia conori*.
- 38646 LEGER, E. F., and BRYDON, H. W. Suppression of dung-inhabiting fly populations by pupal parasites. Entomol. Soc. Amer. Ann. 59(4):638-651. Ref. July 1966. 420 En82
Muscidifurax raptor and *Spalangia endius* on *Fannia femoralis* and *Ophyra leucostoma*.
- 38647 LEON, J. R. DE, and DUKE, B. O. L. Experimental studies on the transmission of Guatemalan and West African strains of *Onchocerca volvulus* by *Simulium ochraceum*, *S. metallicum* and *S. callidum*. Roy. Soc. Trop. Med. Hyg. Trans. 60(6):735-752. Ref. 1966. 448.9 R813
- 38648 LITTTIG, K. S. Vector control. Conf. Recreation Sanit. Safety. Proc., 1st Conf.-68-70. 1966. RA422.5.C6
Includes chemical control of blood-sucking insects, ticks, and mites.
- 38649 LOPES, O. DE S., and others. Boraceia virus, a new virus related to *Anopheles B virus*. Soc. Exp. Biol. Med. Proc. 123(2):502-504. Nov.1966. 442.9 S01
O. P. Forattini, I. E. M. Fonseca, J. P. G. Lacerda, L. A. Sacchetta, and E. X. Rabello, joint authors.
Anopheles cruzii as vector in mice.

- 38650 LUDWIG, P. D. The future role of industry in the field of medical and veterinary entomology. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:69-72. 1966, pub. 1967. 422.12 N81
- 38651 MAIBACH, H. I., KHAN, A. A., and STRAUSS, W. G. Attraction of humans of different age groups to mosquitoes. J. Econ. Entomol. 59(5):1302-1303. Oct. 1966. 421.3822
- 38652 MOLOTOVA, L. A. Susceptibility of midge larvae (Diptera, Heleidae) to trichloromethaphos-3. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(5):538-539. Sept./Oct. 1966. 448.8 M469
Culicoides.
- 38653 MOORHOUSE, D. E., and TATCHELL, R. J. The feeding processes of the cattle-tick *Bophilus microplus* Canestrini, a study in host-parasite relations. I. Parasitology 56(4):623-632. Ref. Nov. 1966. 448.8 P21
- 38654 MORRIL, J. Nairobi's insect pests and the use of pyrethrum. Pybuthrin Dig. 3(1):12-14. Winter 1965. 421 P992
Human pest control.
- 38655 MOUNT, G. A., LOFGREN, C. S., and GAHAN, J. B. Malathion, naled, fenitron, and Bayer 39007 thermal fogs for control of the stable fly (dog fly), *Stomoxys calcitrans* (Diptera: Muscidae). Fla. Entomol. 49(3):169-173. Sept. 1966. 420 F662
Pests of man and livestock.
- 38656 MULLA, M. S., KEITH, J. O., and GUNTHER, F. A. Persistence and biological effects of parathion residues in waterfowl habitats. J. Econ. Entomol. 59(5):1085-1090. Oct. 1966. 421 J822
When used for mosquito control.
- 38657 MURPHY, S. D. Liver metabolism and toxicity of thiophosphate insecticides in mammalian, avian and piscine species. Soc. Exp. Biol. Med. Proc. 123(2):392-398. Ref. Nov. 1966. 442.9 S01
Rats and mice.
- 38658 NASH, T. A. M., JORDAN, A. M., and BOYLE, J. A. Effect of host pregnancy on pupal production by the tsetse fly. Nature 212(5070):1581-1582. Dec. 31, 1966. 472 N21
Glossina austeni and pregnant goats.
- 38659 NENADIC, M. B. A contribution to the study of the distribution of the infection of cattle with *Hypoderma bovis* on territory of the Plevlje district. (Se) Veterinaria [Sarajevo] 15(2):261-264. Ref. 1966. 41.8 V6494
English summary.
- 38660 NEWTON, L. G. Keeping ahead of cattle ticks. Queensland Agr. J. 92(11):659-661. Nov. 1966. 23 Q33
Chemical control.
- 38661 NIGERIAN INSTITUTE FOR TRYPAOSOMIASIS RESEARCH. Annual report, 1964. Kaduna, 1965. 68 p. 448.9 W52
Includes *Trypanosoma brucei* in cattle, infected by Glossina.
- 38662 OPPENOORTH, F. J., and NASRAT, G. E. Genetics of dieldrin and gamma-BHC resistance in the housefly. Entomol. Exp. Appl. 9(2):223-231. Ref. 1966. 421 En895
- 38663 PANDA, N. Effect of larval nutrition on the tolerance of adult *Musca nebulosa* F. to insecticides. Indian J. Entomol. 28(1):94-97. Mar. 1966. 420 In23
- 38664 PANDE, B. P., and BHATIA, B. B. On a hypopial nymph of an acarine infesting the cattle egret (*Bubulcus ibis* Linn.). Indian J. Entomol. 28(1):108-111. Mar. 1966. 420 In23
Not yet identified.
- 38665 PANEL: The value of low-volume application of insecticide concentrates in medical and veterinary entomology. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:76-79. 1966, pub. 1967. 422.12 N81
Moderator: W. W. Roberts; members: L. Stevens, R. C. Dobson, F. W. Knapp, and R. E. Treece.
- 38666 PARKER, G. L. Blackfly control by stream treatment with organo-phosphorus larvicides. Ontario Hydro Res. Quart. 18(3):27-29, 32. Third Q. 1966. 335.8 H99
- 38667 PARRY, E. H. O., BRYCESON, A. D. M., and LEITHEAD, C. S. Acute haemodynamic changes during treatment of louse-borne relapsing fever. Lancet 1(7481):81-83. Jan. 14, 1967. 448.8 L22
- 38668 PATYK, S. The effect of repellent R-10 on weight increase in calves. (Pol) Med. Veter. 22(11):692-694. Nov. 1966. 41.8 M463
Repellent for insects.
- 38669 PAVLOVSKII, E. N. Natural foci of transmissible diseases as related to territorial epidemiology of zoonanthroposes. 254 p. (JPRS 35,245; TT 66-16162) RA639.P33
Includes arthropods.
Translation of Prirodnyaya Ochagovost' Transmissivnykh Boleznei v Svyazi s Landshaftnoi Epidemiologii Zoonatroponozov. CFSTI: \$6.00.
- 38670 PERELATOV, V. D., and others. Evaluating effectiveness of cutaneous treatment of cows with chlorofos. (Rus) Veterinariya 9:84-86. Sept. 1966. 41.8 V6426
V. D. Budarina, R. I. Demin, and L. V. Akhlyustina, joint authors.
- 38671 PETERS, R. H., and WOMELDORF, D. J. Simulium annoying to humans in San Joaquin County, California. Calif. Vector Views 13(5):41. May 1966. 449.8 C12
Simulium trivittatum and S. canonicola.
- 38672 PETROV, D. Experimental data on *Rhipicephalus bursa* as carriers of *Bacillus anthracis*. (Bu) Vet. Med. Nauk. 3(8):837-840. 1966. 41.8 V6468
English summary.
- 38673 PETROV, D. The tick *Rhipicephalus bursa* as carrier of *Listeria monocytogenes*. (Bu) Vet. Med. Nauk. 3(7):737-741. 1966. 41.8 V6468
English summary.
- 38674 PETROV, V. G., and ANANOVA, E. V. Francisella tularensis revealed in the tick *Dermacentor marginatus* Sulz. by means of luminescence microscopy. (Rus) Zool. Zh. 45(11):1612-1616. 1966. 410 R92
English summary.
- 38675 PETTY, H. B. Soil insect recommendations. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:59-60. 1966, pub. 1967. 422.12 N81
Insecticides for dairy farms, soybean farms, and corn farms.
- 38676 PHILIP, C. B., and others. Evidence of tick-transmitted disease agents in ticks from Ethiopian cattle. World Health Organ. Bull. 35(2):127-131. 1966. 449.9 W892B
H. Hoogstraal, R. Reiss-Gutfreund, and C. M. Clifford, joint authors.
Rickettsia conorii and Coxiella burnetii.
- 38677 PICKERING, O. H., and HENDERSON, C. The acute toxicity of some pesticides to fish. Ohio J. Sci. 66(5):508-513. Sept. 1966. 410 Oh3
Includes insecticides.
- 38678 PROMPT, cooperative aerial assault halts Colorado encephalitis threat. Pest Contr. 35(1):25. Jan. 1967. 449.8 Ex8
In control of Culex tarsalis with fenitron.
- 38679 RAUDONAT, H. W., and VANECEK, J., ed. Recent advances in the pharmacology of toxins. New York, Macmillan, 1965. 240 p. Ref. (International Pharmacological Meeting. Proceedings, 2d, v. 9) QP941.R3
Includes insect venom and livestock poisoning.
- 38680 SERGIEV, P. G., and others. Malaria in the USSR in 1963-1965 and trends of work in malaria prophylaxis in 1966-1970. (Rus) Med. Parazitol. Parazitarn. Bolezni 35(4):444-455, map. July/Aug. 1966. 448.8 M469
N. N. Dukhanina, T. A. Zhukova, S. Ya. Sarikyan, joint authors.
English summary.
Includes note on mosquitoes.
- 38681 SHALABY, A. M. Observations on some responses of Anopheles culicifacies to DDT in experimental huts in Gujarat State, India. Entomol. Soc. Amer. Ann. 59(5):938-944. Ref. Sept. 1966. 420 En82

- 38692 SHANAHAN, G. J., and HART, R. J. Change in response of *Lucilia cuprina* Wied. to organophosphorus insecticides in Australia. *Nature* 212(5069):1466-1467. Dec. 24, 1966. 472 N21
Diazinon and ronnel.
- 38693 SHESTAKOV, V. I., and MIKHEVA, A. I. Study of vectors of Japanese encephalitis in Maritime Territory. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):545-550. Sept./Oct. 1966. 448.8 M469
English summary.
Aedes togoi and Culex pipiens chiefly.
- 38694 SHKABROV, N. I. Melophagus ovinus in sheep and its control. (Rus) *Veterinariya* 9:52. Sept. 1966. 41.8 V6426
With benzene hexachloride and Creolin.
- 38695 SHULMAN, S. Allergic responses to insects. *Annu. Rev. Entomol.* 12:323-346. 1967. 421 En72
- 38696 SHVANKOV, M. E. Economic comparison of different methods for control of blood-sucking blackflies (Simuliidae) in the Krasnoyarsk Region. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(4):498-499. July/Aug. 1966. 448.8 M469
English summary.
Aircraft used.
- 38697 SONENSHINE, D. E., ATWOOD, E. L., and LAMB, J. T. The ecology of ticks transmitting Rocky Mountain spotted fever in a study area in Virginia. *Entomol. Soc. Amer. Ann.* 59(6):1234-1262. Ref. Nov. 1966. 420 En82
- 38698 SOUTHOON, H. A. W., and CUNNINGHAM, M. P. Ineffectivity of trypanosomes derived from individual *Glossina morsitans* Westw. *Nature* 212(5069):1477-1478. Dec. 24, 1966. 472 N21
Trypanosoma brucei, Africa.
- 38699 STAHLER, N., and TERZIAN, L. A. Reproductive and immunological characteristics of a strain of *Aedes aegypti* selected for resistance to gamma radiation. *Entomol. Soc. Amer. Ann.* 59(4):763-765. July 1966. 420 En82
- 38700 STAHNKE, H. L. Some pharmacological and biochemical characteristics of Centruroides [i.e. Centruroides] sculpturatus Ewing scorpion venom. In Raudonot, H. W., and Vanecek, J., ed. Recent advances in the pharmacology of toxins, v.9, p.63-70. Ref. 1965. QP941.R3
- 38701 STEELMAN, C. D. The relation of ecological factors to the distribution and control of the horn fly, *Haematobia irritans* (L.), under range conditions. *Diss. Abstr.*, Sect. B, 27(1):13B. July 1966. Z5055.U49D53
- 38702 TADANO, T., and BROWN, A. W. A. Development of resistance to various insecticides in *Culex pipiens fatigans* Wiedemann. *World Health Organ. Bull.* 35(2):189-201. Ref. 1966. 449.9 W892B
- 38703 TARASOV, V. V., and SHUB, L. M. Parasitological situation in Mexico. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):588-593. Sept./Oct. 1966. 448.8 M469
English summary.
Includes insects as vectors of human diseases.
- 38704 THURSTON, R., KNAPP, F. W., and PASS, B. C. Toxicity of a resin formulation of dichlorvos to flies and aphids at various temperatures and humidities. *J. Econ. Entomol.* 59(5):1297-1298. Oct. 1966. 421 J822
Laboratory tests with *Musca domestica*, *M. autumnalis*, and *Myzus persicae*.
- 38705 TIWARI, B. K., BAJPAI, V. N., and AGARWAL, R. P. Evaluation of insecticide, fumigant & repellent properties of lemongrass oil. *Indian J. Exp. Biol.* 4(2):128-129. Apr. 1966. 442.8 In2
Tested on *Musca nebulosa* and *Culex fatigans*.
- 38706 TSUKAMOTO, M., and CASIDA, J. E. Metabolism of methylcarbamate insecticides by the *NADPH₂*-requiring enzyme system from houseflies. *Nature* 213(5071):49-51. Ref. Jan. 7, 1967. 472 N21
- 38707 VASHKOV, V. I., and POLESCHUK, V. D. Effect of X-irradiation on insect sensitivity to insecticides. (Rus) *Zh. Mikrobiol. Epidemiol. Immunobiol.* 8:9-11. Aug. 1966. 448.3 Z4
DDT, benzene hexachloride and trichlorfon tested on *Musca domestica*.
- 38708 WATKINS, R. Comparison of infections produced by two strains of *Trypanosoma cruzi* in mice. *J. Parasitol.* 52(5):958-961. Ref. Oct. 1966. 448.8 J824
Includes *Trypanosoma infestans* as vector.
- 38709 ZAKAMYRIDIN, I. A. Possibilities of using polychloropine for control of house flies (*Musca domestica* L.) and *Stomoxys calcitrans* L. on cattle farms. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):618-619. Sept./Oct. 1966. 448.8 M469
- 38700 ZAKHAROVA, N. F. Search for new chemosterilants. I. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 35(5):515-519. Sept./Oct. 1966. 448.8 M469
English summary.
Sensitive to *Musca domestica*.
- 38701 ZAVON, M. R. Can we satisfy everyone in a dissatisfied society? *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:10-13. 1966, pub. 1967. 422.12 N81
Includes toxicity of insecticides to man.
- 38702 ZDRODOVSKII, P. F., and GOLINEVIC, H. M. Tick borne rickettsial diseases in Asia. (Fr) *World Health Organ. Bull.* 35(2):105-109. Ref. 1966. 449.9 W892B
English summary.
Dermacentor and Haemaphysalis as vectors of Rickettsia sibirica infecting wildlife.
- 38703 ZELEDON, R., and MONGE, E. DE. Natural immunity of the bug *Triatoma infestans* to the protozoan *Trypanosoma rangeli*. *J. Invertebrate Pathol.* 8(3):420-424. Sept. 1966. 421 J826

Pests of Plants

- 38704 BATRA, A. L. Pests and diseases of crops of Nagaland (Naga Hills and Tuensang area). *Plant Protect. Bull.* 16(1/2):33-35. 1964, pub. 1965. 421 P69
Chiefly insect pests.
- 38705 BATTEN, A. The course of the last major plague of the African migratory locust, 1928 to 1941. *FAO Plant Protect. Bull.* 14(1/1-16, map. Feb. 1966. 421 P692
Locusta migratoria migratorioides; outbreaks and populations.
- 38706 BEROZA, M., and SARMIENTO, R. Gas-liquid chromatography of ingredients of Japanese beetle [Popillia japonica] lure: eugenol, anethole, and geraniol. *J. Econ. Entomol.* 59(5):1295-1296. Oct. 1966. 421 J822
- 38707 BHATIA, L. J., and MATHUR, A. C. Control of Singhara beetle (Galerucella birmanica Jac.). *Plant Protect. Bull.* 17(1/2):41-42. 1965. 421 P69
With insecticides.
- 38708 CHAPMAN, R. K., and NAOUM, A. N. A. W. The influence of soil moisture on the uptake of systemic insecticides. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:122-123. 1966, pub. 1967. 422.12 N81
In plants.
- 38709 COOPER, M. Pyrethrum versus plant-attacking pests in horticulture. *Pybuthrid Dig.* 3(1):6-7. Winter 1965. 421 P992
- 38710 DAVIDSON, R. H., and PEARS, L. M. Insect pests of farm, garden, and orchard. Ed. 6. New York, Wiley, 1966. 875 p. Ref. SB951.D3
Chiefly plant pests and their control.
- 38711 EAST PAKISTAN AGRICULTURAL RESEARCH INSTITUTE. DIV. OF ENTOMOLOGY. A review of research, 1947-1964, by M. Z. Alam, A. Ahmed, S. Alam, and M. A. Islam. Dacca, Agriculture Information Service, 1965. 272 p. Ref. SB913.P3E2
Insect pests of plants and their control.
- 38712 FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. Report. Rome, 1966. 40 p. (Food and Agriculture Organization of the United Nations. Report No. PL/1965/15) SB951.F6
Plant protection; includes summaries of papers.

- 38713 FEZER, F. Rich fauna of the home gardens. (Ge) Kosmos 62(5):205-207. May 1966. 474 K842
Includes insects as pests.
- 38714 JOHANSSON, D., and STENMARK, A. Control of pests of cultivated plants. (Sw) Kem. Vaxtskyddsmedel, 1966:24-30. 385 K313
- 38715 KERR, S. H. Susceptibility to miticides of some Florida Tetranychus [urticae] populations. Fla. Entomol. 49(3):153-154. Sept. 1966. 420 F662
Plant pests.
- 38716 OSMUN, J. V., and GIESE, R. L. Insect pests of forest, farm and home. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.362-389, map. Ref. 1966. QH105.16L5
- 38717 PAINTER, R. H. Plant resistance as a means of controlling insects and reducing their damage. U. S. Agr. Res. Serv. ARS-33:110:138-148, map. Ref. July 1966. A420 R31
- 38718 PATEL, H. K., PATEL, V. C., and PATEL, R. C. Control of Gujarat hairy caterpillar *Amacta moorei* Butler with insecticides. Indian J. Entomol. 28(1):98-102. Mar. 1966. 420 In23
Plant pest.
- 38719 SAYER, H. J., and JOYCE, R. J. V. Aerial application techniques in Africa. World Rev. Pest Contr. 5(3):124-131. Ref. Autumn 1966. 79.8 W89
For the control of *Schistocerca gregaria*.
- 38720 SINGH, H. Biological control of pests: Integration of biological and chemical control. Plant Protect. Bull. 17(1/2):19-22. 1965. 421 P69
Insects and weeds.
- 38721 SINGH, S. Insecticidal control of the desert locust in India. Plant Protect. Bull. 16(3/4):1-10. 1964, pub. 1966. 421 P69
Schistocerca gregaria.
- 38722 SVANIDZE, N. V., and OSTROVSKII, N. I. Some regularities of the formation of noxious fauna on introduced medicinal plants under the conditions of moist subtropics. (Rus) Zool. Zh. 45(11):1640-1643. 1966. 410 R92
English summary.
- 38723 TERESHKO, L. I. Some data on leafhoppers of Moldavia. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 2:25-26. Ref. 1965. 442.8 N22
As plant pests.
- 38724 VAN EMDEN, H. F. Plant insect relationships and pest control. World Rev. Pest Contr. 5(3):115-123. Ref. Autumn 1966. 79.8 W89
Resistance of host plants to insects.
- Forest Pests
- 38725 AGEKYAN, N. G. Tetramesa spp. on bamboo in the subtropics of the Adzharian ASSR. (Rus) Zool. Zh. 45(11):1723-1726. 1966. 410 R92
English summary.
Tetramesa phyllostachitis and T. bambusae.
- 38726 BECKER, G. Termite-repellent effect of pine wood. (Ge) Holz Roh-Werkstoff 24(10):429-432. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 38727 BURZYNSKI, J. Thecodiplosis brachyntera Schwag., its biology, economic significance and control. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 274/278:3-78, map. Ref. 1965. 99.9 W263
English summary.
Pinus pest.
- 38728 CARTER, C. I. An infestation of *Periphyllus californiensis* (Shnitk.) (Hem. Chaitophoridae) on *Acer* species. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 2:34. Sept. 1965. 420 So8
- 38729 CONNOLA, D. P., HOMIAK, J. J., and SWEET, R. C. Further airplane spray tests with carbaryl against gypsy moth [*Porthetria dispar*] in New York. J. Econ. Entomol. 59(5):1225-1226. Oct. 1966. 421 J822
- 38730 CONNOLA, D. P. Preliminary studies on resistance in eastern white pine [*Pinus strobus*] to the white-pine weevil, *Pissodes strobi* (Coleoptera: Curculionidae), in New York. Entomol. Soc. Amer. Ann. 59(5):1011-1012. Sept. 1966. 420 En82
- 38731 EBEL, B. H. Arctiid cutworm-type destruction of slash pine seedlings. J. Forest. 65(1):33. Jan. 1967. 99.8 F768
Apantesis radian.
- 38732 GAVRILOV, K. I. On the causes of formation of tumor-like galls on plants due to insect parasitism. (Rus) Zhur. Obshch. Biol. 26(4):475-478. July/Aug. 1965. 442.8 Z6
English summary.
On *Populus pyramidalis* by *Pemphigus laccurarius*.
- 38733 GLOWACKA-PILOT, B., and KOEHLER, W. Tentative use of *Bacillus thuringiensis* Berl. for control purposes against *Popillia flammae* Schiff. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 274/278:225-241. 1965. 99.9 W263
English summary.
Forest pest.
- 38734 HAWTHORNE, R. M. Simple trap for elm leaf beetles. Weeds Trees Turf 5(4):16. Apr. 1966. 79.8 W413
Galerucella xanthomelaena in California.
- 38735 HELLER, R. C., and others. A test with large scale aerial photographs to sample balsam woolly aphid damage in the Northeast. J. Forest. 65(1):10-18, map. Jan. 1967. 99.8 F768
J. H. Lowe, R. C. Aldrich, and F. P. Weber, joint authors.
Chermes piceae.
- 38736 HINDY, B. A preliminary investigation on the status of *Melanophila picta* Pall in relation to poplar [*Populus nivea*] trees project in U.A.R. Agr. Res. Rev. 43(4):75-83. Oct. 1965. 24 Eg94
- 38737 KEGG, J. D. Leaf roller control on oaks with carbaryl. J. Econ. Entomol. 59(5):1298-1299. Oct. 1966. 421 J822
Croesia semipurpurana and *Archips argyrospilus*.
- 38738 KNIGHT, F. B. Evaluation of forest insect infestations. Annu. Rev. Entomol. 12:207-228. 1967. 421 An72
- 38739 LEWIS, F. B., and CONNOLA, D. P. Field and laboratory investigations of *Bacillus thuringiensis* as a control agent for gypsy moth, *Porthetria dispar* (L.). U. S. Forest Serv. Res. Pap. NE-50, 38 p. Ref. 1966. A99.9 F7622Un Connecticut.
- 38740 LORENZ, I. A contribution to the conditions of infection and disease of *Cenangium ferruginosum* Fr. (Hu) Arch. Forstwesen 15(7):725-734. Ref. 1966. 99.8 Ar22
English summary.
Shoot mortality on *Pinus sylvestris*, preceded by *Thecodiplosis brachyntera* attack.
- 38741 MERKEL, E. P. Individual slash pines differ in susceptibility to seedworm infestation. J. Forest. 65(1):32-33. Jan. 1967. 99.8 F768
Laspeyresia anaranjada.
- 38742 NORRIS, D. M. Systemic insecticides in trees. Annu. Rev. Entomol. 12:127-128. 1967. 421 An72
- 38743 NOUR, H., and HILLAL, H. Rearing of *Lyctus africanus* Lesne in relation to the shape of wood. Agr. Res. Rev. 43(4):71-74. Oct. 1965. 24 Eg94
Pest of *Poinciana regia* in United Arab Republic.
- 38744 PETERSON, H. B. Field book of destructive forest insects. Ed. 9. Augusta?, Kennebec Valley Protective Association, 1966. 28 p. SB913.P4
Includes chemical control.
- 38745 PERSOV, M. P. Mebel'nyi tochil'shchik i mery bor'by s nim [Furniture beetle and measures for its control]. Leningrad, Izdatel'stvo Literatury po Stroitel'stvu, 1966. 35 p. QL596.A5P4
Chemical control of *Anobium punctatum* on trees and wood.
- 38746 RAO, V. P. Survey for natural enemies of *Adelges* spp. attacking silver fir and spruce in the Himalayas; final technical report, May 2, 1960 to May 1, 1965. Bangalore, Commonwealth Institute of Biological Control, Indian Station, 1965. 85 p. Ref. SB975.R3
U. S. PL-480 project; Grant No. FG-In-100; project No. A7-FS-7.

- 38747 SCHNAIDER, Z. Aphrophorinae on willow plantings. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 274/278:175-224. Ref. 1965. 99.9 W263 German summary.
- 38748 SCHNAIDER, Z. *Lamia textor* L. as pest of *Salix americana* plantations. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 274/278:149-173. 1965. 99.9 W263 German summary.
- 38749 SHUTYAIEV, A. M. Damage to apical buds of oak by gall-midges, *Arnoldiola quercus* (Binne) and *Dasynura dryophila* (Rubs.). (Rus) Zool. Zh. 45(11):1729-1731. 1966. 410 R92 English summary.
- 38750 SIERPINSKI, Z. The effect of low winter temperatures in 1962-63 on populations of some noxious forest insects. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 274/278:243-251. 1965. 99.9 W263 English summary.
- 38751 STEVENS, R. E. Malathion aerial spray controls the pine needle-sheath miner [Zelleria haimbachi]. U. S. Forest Serv. Res. Note PSW-102,2 p. 1966. A99.9 F7652 California.
- 38752 THOMAS, H. A. Parasitism by *Trichogramma minutum* (Hymenoptera: Trichogrammatidae) in the spruce budworm outbreak in Maine. Entomol. Soc. Amer. Ann. 59(4):723-725. Ref. July 1966. 420 En82 Choristoneura fumiferana.
- 38753 WILLIAMS, C. B. Differential effects of the 1944-56 spruce budworm [Choristoneura fumiferana] outbreak in eastern Oregon. U. S. Forest. Serv. Res. Pap. PNW-33,16 p. Ref. Apr.1966. A99.9 F7625Uni Pests of Abies grandis, Pseudotsuga menziesii, and Picea engelmannii.
- 38754 WILSON, L. F. Effects of different population levels of the European pine sawfly [Neodiprion sertifer] on young Scotch pine [Pinus sylvestris] trees. J. Econ. Entomol. 59(5):1043-1049. Ref. Oct.1966. 421 J822
- Pests of Field and Truck Crops
- 38755 ADAMS, A. N. Groundnut rosette virus, another vector. Rhodesia Zambia Malawi J. Agr. Res. 4(2):125. July 1966. 24 R3472 Aphis gossypii, as vector, in Malawi.
- 38756 ADASHKEVICH, B. P. Effect of chemical and microbiological treatments upon parasites of *Plutella maculipennis* Curt. (Rus) Zool. Zh. 45(7):1040-1046. 1966. 410 R92 English summary. On cabbage.
- 38757 ALEKHIN, V. A. Effectiveness of combined application of insecticides and fertilizers on irrigated soils under conditions of Zavolzhye. (Rus) Khim. Sel'skom Khoz. 4(10):19-20. Oct. 1966. 385 K524 Sugar beets.
- 38758 ALI, A. M., ELSAWY, M. S. E., and HASSAN, M. H. On the tolerance level of the cotton leafworm, *Prodenia litura* F., to currently used insecticides. Agr. Res. Rev. 43(4):23-28. Oct.1965. 24 Eg94 Toxaphene, Sevin, and dipterex.
- 38759 ANDERSON, J. Moth borer damage. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):21-22. July 1,1966. 65.9 Q3C
- 38760 EL-AZIZ, S. A., SHAFIK, M. T., and EL-KHISHEN, S. A. The separation of the in vitro breakdown products of toxaphene using paper chromatography. Alexandria J. Agr. Res. 13 (2):37-44. July 1965. 24 AL2 In vitro studies to determine breakdowns by the cotton leafworm *Prodenia litura*.
- 38761 BEHNCKEN, G. M. Lucerne mosaic virus in Queensland. Queensland J. Agr. Anim. Sci. 23(1):91-92. Mar.1966. 23 Q37 Aphids as vectors.
- 38762 BEVAN, W. J. Control of carrot fly [Psila rosae] on celery, with notes on other pests. Plant Pathol. 15(3):101-108. Sept.1966. 464.8 P692 Philophylla heraclei and Caviariella control.
- 38763 BIRAT, R. B. S. Control of pea stem fly, *Melanogromyza phaseoli* Coq. with modern insecticides. Plant Protect. Bull. 17(1/2):37-38. 1965. 421 P69
- 38764 BJÖRLING, K., OSSIANNILSSON, F., and PETTERSON, J. Report on resistance in a Swedish strain of *Myzus persicae* (Sulz.) to organophosphorous insecticides. J. Uppsala Lantbrukshögsk. Ann. 32(3):319-327. Ref. 1966. 104 Up6 On beets.
- 38765 BLAIR, B. D., and HENRY, J. E. Aerial application of malathion for control of corn leaf aphid [Rhopalosiphum maidis]. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:39-40. 1966, pub. 1967. 422.12 N81 Ohio.
- 38766 BYERS, R. A., and WELLS, H. D. Phytotoxemia of Coastal bermudagrass [Cynodon dactylon] caused by the two-lined spittlebug, *Protopia bicincta* (Homoptera: Cercopidae). Entomol. Soc. Amer. Ann. 59(6):1067-1071. Nov. 1966. 420 En82
- 38767 CAMPAIGN for the control of Deccan wingless grass hopper [Colemania spheerarioides] in Mysore. Plant Protect. Bull. 16(3/4):40. 1964, pub.1966. 421 P69 Insecticidal control of this grain pest.
- 38768 CHAUGHANI, A. R., and AKBISON, P. L. Effects of sublethal doses of certain insecticides on eggs, larvae, and adults of two species of *Heliothis* [zea and H. virescens]. J. Econ. Entomol. 59(5):1070-1074. Oct.1966. 421 J822 Cotton pests.
- 38769 COUTIN, R., and COULON, J. Comparative toxicity of several insecticides to *Dasynura brassicae* Winn. and to its principal parasite *Proctogaster oebalus* Walk. (Fr) Phytat.-Phytopharm. 15(2):105-111. 1966. 464.8 P564
- 38770 DAIBER, C. C. Pumpkin fly control. Farming S. Afr. 42(8):3. Nov.1966. 24 So842 Chemical control of *Dacus* spp.
- 38771 DAUGHERTY, D. M., and FOSTER, J. E. Organism of yeast-spot disease isolated from rice damaged by rice stink bug [Oebalus pugnax]. J. Econ. Entomol. 59(5):1282-1283. Oct.1966. 421 J822 Nematospora coryli.
- 38772 DINGWALL, A. R. Spraying of Brassica seed crops against aphids must be strictly controlled. New Zeal. J. Agr. 113(1):75,77. July 1966. 23 N48J Chiefly *Brevicoryne brassicae*; includes insecticide control for bee protection.
- 38773 EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANISATION. Le doryphore, *Leptinotarsa decemlineata* Say en Europe et dans le bassin Méditerranéen en 1965 [The Colorado beetle, *Leptinotarsa decemlineata* Say in Europe and the Mediterranean Basin in 1965]. Paris, 1966. 23 p. (Its Publications. Series B, No.58). 427 Eu7 Text in French and English.
- 38774 FIFE, L. C., and GRAHAM, H. M. Cultural control of overwintering bollworm [Heliothis zea] and tobacco budworm [H. virescens]. J. Econ. Entomol. 59(5):1123-1125. Oct.1966. 421 J822 Cotton and pepper fields in Texas.
- 38775 FINLAYSON, D. G., FULTON, H. G., and NOBLE, M. D. Integrated control of cyclodiene resistant carrot rust fly [Psila rosae]. J. Econ. Entomol. 59(5):1082-1085. Ref. Oct. 1966. 421 J822
- 38776 FISHER, G. T. Control of asparagus beetle [Crioceris asparagi] on processing asparagus using soil insecticides. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:116-117. 1966, pub.1967. 422.12 N81
- 38777 FISHER, G. T. Control of the potato leafhopper [Empoasca fabae] on canning lima beans using systemic insecticides. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:120-122. 1966, pub.1967. 422.12 N81
- 38778 GILLILAND, F. R., and DAVICH, T. B. Effects on egg hatch of alternate matings of female boll weevils [Anthonomus grandis] with apholate-treated and untreated males. J. Econ. Entomol. 59(5):1209-1211. Oct.1966. 421 J822

- GOULD, G. E. Insect control with a low volume concentrate. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:38-39. 1966, pub. 1967. 422.12 N81
Cereal insects.
- 38779 GREENE, G. L. Field populations of three grain aphid species in western Oregon. J. Econ. Entomol. 59(5):1201-1206. Oct. 1966. 421 J822
Macrosiphum avenae, Acyrthosiphon dirhodum and Rhopalosiphum padi.
- 38780 GREENE, G. L., and THURSTON, R. Seasonal distribution of *Heliothis virescens* and *H. zea* on tobacco in Kentucky. J. Econ. Entomol. 59(5):1054-1056. Oct. 1966. 421 J822
- 38781 HARCOURT, D. G. Sequential sampling for use in control of the cabbage looper [*Trichoplusia ni*] on cauliflower. J. Econ. Entomol. 59(5):1190-1192. Oct. 1966. 421 J822
To evaluate the need for chemical control.
- 38782 HARDEE, D. D., and DAVICH, T. B. A feeding deterrent for the boll weevil, *Anthonomus grandis*, from tung meal. J. Econ. Entomol. 59(5):1267-1270. Ref. Oct. 1966. 421 J822
- 38783 HARPAZ, I., and others. Indagini comparative su *Javesella pellucida* (Fabricius) e *Laodelphax striatellus* (Fallen) quali vettori del virus del nanismo ruvido del mais [Comparative studies of *Javesella pellucida* (Fabricius) and *Laodelphax striatellus* (Fallen) as vectors of maize rough dwarf virus]. Torino, Accademia Delle Scienze, 1965. p.885-901. Ref. (Consiglio Nazionale delle Ricerche. Centro di Entomologia Alpina e Forestale. Pubblicazione No.93) SB736.H3
C. Vidano, O. Lovisolo, and M. Conti, joint authors.
English summary.
Reprinted from the Atti della Accademia delle Scienze di Torino: v.99, p.885-901, 1964-65.
- 38785 HASSAN, M. S. A new record of *Neolimnus* (Scaphoideus) aegyptiacus Mats. Homoptera: Cicadellidae (Jassidae), an injurious pest to Nil millet, *Sorghum vulgare*, at Fayoum. Agr. Res. Rev. 43(4):59-61. Oct. 1965. 24 Eg94
Control with malathion and DDT in United Arab Republic.
- 38786 HEDLIN, L. K., and RADCLIFFE, E. B. Resistance of sweetclover to the sweetclover weevil [*Sitona cylindricollis*]. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:128-132. 1966, pub. 1967. 422.12 N81
- 38787 HOLMAN, J. R., and KING, E. W. Effect of pre-emergence rainfall on population size in the tobacco hornworm [*Manduca sexta*]. J. Econ. Entomol. 59(5):1199-1200. Oct. 1966. 421 J822
- 38788 IGNOFFO, C. M., and MONTOYA, E. L. The effects of chemical insecticides and insecticidal adjuvants of a *Heliothis* nuclear-polyhedrosis virus. J. Invertebrate Pathol. 8(3):409-412. Ref. Sept. 1966. 421 J826
Heliothis zea and *H. virescens*, cotton pests.
- 38789 IOTOV, L. Relation between species composition and quantity of aphids and degeneration of potatoes. (Bu) Rastenievudni Nauk. 3(7):109-116. Ref. 1966. 64.8 R18
German summary.
Caused by virus diseases.
- 38790 JOHNSON, A. E. A minor grasshopper pest with unusual behaviour. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):38. July 1, 1966. 65.9 Q3C
- 38791 KANSOUH, A. S., and others. The residual effect of different DDT formulations. Alexandria J. Agr. Res. 13(2):31-36. July 1965. 24 AL2
M. T. Shafik, G. Tantawy, and S. A. El-Khishen, joint authors.
Cotton pest control.
- 38792 KAUL, C. L., MATHUR, Y. K., and SRIVASTAVA, B. K. Laboratory evaluation of insecticides against the white grub *Holotrichia consanguinea* Blanch. Indian J. Entomol. 28(1):84-87. Mar. 1966. 420 In23
Root crop pests.
- 38793 KNAPP, J. L., HEDIN, P. A., and DOUGLAS, W. A. A chemical analysis of corn silk from single crosses of dent corn rated as resistant, intermediate, and susceptible to the corn earworm [*Heliothis zea*]. J. Econ. Entomol. 59(5):1062-1064. Oct. 1966. 421 J822
- 38794 KUMAR, S., and KALRA, A. N. Attack of pink borer, *Sesamia inferens* Wlk. as cane borer in Rajasthan. Indian Sugarcane J. 9(3):154-156. Ref. Apr./June 1965. 65.8 In27
- 38795 LASTER, M. L. Predator populations in cotton in the Delta area of Mississippi. Diss. Abstr., Sect. B, 27(5):1656B. Nov. 1966. Z5055.U49D53
For cotton insect control.
- 38796 LEE, S. Y. Further studies of the translocation of benzene hexachloride in rice for control of the Asiatic rice borer [*Chilo suppressalis*]. J. Econ. Entomol. 59(5):1281-1282. Oct. 1966. 421 J822
Nationalist China.
- 38797 LEUCK, D. B., and BURTON, G. W. Pollination of pearl millet by insects. J. Econ. Entomol. 59(5):1308-1309. Oct. 1966. 421 J822
Georgia.
- 38798 LEWIS, W. J., and BRAZZEL, J. R. Incidence of parasitic insects on the bollworm in Mississippi. Miss. Agr. Exp. Sta. Bull. 727,7 p. July 1966. 100 M69
Microplitis croceipes, as parasite of *Heliothis virescens* and *H. zea*; and *Cardiochiles nigricipes*, as parasite of *H. virescens*.
- 38799 LIPES, J. E. Prevalence of *Bemisia tabaci*. FAO Plant Protect. Bull. 14(1):24. Feb. 1966. 421 P692
As vector of the cotton leaf curl virus in El Salvador.
- 38800 LOVISOLO, O., and CONTI, M. Identification of an aphid-transmitted cowpea mosaic virus. Neth. J. Plant Pathol. 72(5):265-269. Ref. 1966. 464.8 T44
- 38801 MADKOUR, A. Field studies on some sprayers. Agr. Res. Rev. 43(4):93-103. Oct. 1965. 24 Eg94
Tested in cotton on *Prodenia litura* in United Arab Republic.
- 38802 MCGARR, R. L., and IGNOFFO, C. M. Control of *Heliothis* spp. with a nuclear polyhedrosis virus, EPN, and two newer insecticides. J. Econ. Entomol. 59(5):1284-1285. Oct. 1966. 421 J822
Heliothis zea and *H. virescens* in Texas; treated with Matacil and Shell SD-9129.
- 38803 MCLAUCHLAN, G. Granulated DDT is failing to control grasshopper and porina. New Zeal. J. Agr. 113(4):51.53. Oct. 1966. 23 N45J
Pasture pests.
- 38804 MICHEL, E. Abnormal multiplication of *Myzus persicae* aphids reared on phosdrin treated tobacco. (Fr) Rev. Zool. Agr. Appl. 65(4/6):53-62. Second Q. 1966. 410.9 So12
English summary.
- 38805 MICHOCKI, J. Observations on the function of the starling (*Sturnus vulgaris* L.) in the control of the Colorado beetle (*Leptinotarsa decemlineata* Say). (Pol) Poznan, Wyzsza Szkola Roln. Roczn. 22:117-122. Ref. 1965. 106.2 P872
English summary.
- 38806 MUNSON, R. E., and others. Control of European corn borers and corn rootworms with a single insecticide application. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:51. 1966, pub. 1967. 422.12 N81
D. C. Peters, T. A. Brindley, W. G. Lovely, and R. D. Jackson, joint authors.
Ostrinia nubilalis and *Diabrotica* spp.
- 38807 MYATT, O. W. D. Wireworm (*Laeon variabilis*) damage in ratoon cane. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):9-10. July 1, 1966. 65.9 Q3C
- 38808 NAULT, L. R., and GYRISCO, G. G. Relation of the feeding process of the pea aphid [*Acyrthosiphon pisum*] to the inoculation of pea enation mosaic virus. Entomol. Soc. Amer. Ann. 59(6):1185-1197. Ref. Nov. 1966. 420 En82
- 38809 NIHON NOHYAKU CO. LTD. Dol Granul. Jap. Chem. Quart. 2(2):52-53. Apr. 1966. HD9657.J3J3
BHC type insecticide for pest control on rice fields; also discusses Tominol, a plant growth regulator.

- 38810 OKUSANYA, B. A. M., and WATSON, M. Host range and some properties of groundnut rosette virus. *Ann. Appl. Biol.* 58(3):377-387. Ref. Dec.1966. 422.8 An72.
Aphis craccivora as vector.
- 38811 OLEMBO, J. R., PATTERSON, F. L., and GALLUN, R. L. Genetic analyses of the resistance to *Mayetiola destructor* Say in *Hordeum vulgare* L. *Crop Sci.* 6(6):563-566. Ref. Nov./Dec.1966. 64.8 C883
- 38812 OLEMBO, J. R. Genetic analyses of the resistance to *Mayetiola destructor* (Say) in *Hordeum vulgare* L. *Diss. Abstr.*, Sect. B, 27(1):45B. July 1966. Z5055.U49D53
- 38813 ONSAGER, J. A., and MAITLEN, J. C. Susceptibility of wireworms [*Limoniulus californicus*] to aldrin in eastern Washington. *J. Econ. Entomol.* 59(5):1120-1123. Oct. 1966. 421 J822
- 38814 OSBORNE, P., and HAMILTON, G. A. Control of tarsonemid mites (*Tarsonemus myceliophagus*) in mushroom sheds. *Plant Pathol.* 15(3):140-142. Sept.1966. 464.8 P692
- 38815 PANEL: Soybean insect problems. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:51-54. 1966, pub.1967. 422.12 N81
Moderator: D. M. Daugherty; members: H. B. Petty and F. D. Miner.
In Illinois and Arkansas, respectively.
- 38816 PASS, B. C. Control of the alfalfa weevil [*Hypera postica*] in Kentucky. *J. Econ. Entomol.* 59(5):1232-1236. Oct.1966. 421 J822
Insecticidal control.
- 38817 PFRIMMER, T. R. Systemic insecticides for cotton insect control in 1965. *J. Econ. Entomol.* 59(5):1113-1118. Ref. Oct.1966. 421 J822
GC-6506, NIA-10242, and UC-21149, experimental insecticides compared with disulfoton and phorate standard in Mississippi.
- 38818 PIRONE, T. P., and MECAHED, E. S. Aphid transmissibility of some purified viruses and viral RNA's. *Virology* 30(4):631-637. Ref. Dec.1966. 448.8 V81
Chiefly *Myzus persicae* transmitting alfalfa and cucumber mosaic.
- 38819 PITRE, H. N. Corn virus diseases of recent occurrence in Southeastern United States with emphasis on the corn stunt virus-vector-plant interrelationships in Mississippi. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:43-47. Ref. 1966, pub.1967. 422.12 N61
Leafhoppers and aphids as vectors.
- 38820 POND, D. D. Effect of oil sprays on yields of potatoes. *Amer. Potato J.* 43(9):328-331. Sept. 1966. 75.8 P842
Oil insecticides used for insect control.
- 38821 POPOVA, V. Quantitative and qualitative studies during the different seasons on insects of Coleoptera order in lucerne biocenosis in Plovdiv area. (Bu) *Rastenievudni Nauk.* 3(7):69-78. 1966. 64.8 R18
English summary.
Injurious and harmless species.
- 38822 POPOVA, V. Studies on Heteroptera in lucerne biocenosis in Plovdiv area. (Bu) *Rastenievudni Nauk.* 3(7):49-57. Ref. 1966. 64.8 R18
English summary.
Injurious and harmless species.
- 38823 PORTMAN, R. W. Wireworm control problems. *Agrichem. West* 9(12):11-12. Dec.1966. 381 Ag85
- 38824 POWELL, D. M., and LANDIS, B. J. Control with Azodrin of the two-spotted spider mite [*Tetranychus urticae*] on potatoes. *J. Econ. Entomol.* 59(5):1304-1305. Oct.1966. 421 J822
Washington State.
- 38825 PROESELER, G. Relationship between *Piesma quadratum* and the beet crinkle virus. II. Experiments with the injection. (Ge) *Phytopathol. Z.* 56(3):213-237. Ref. July 1966. 464.8 P562
English summary.
- 38826 RADEV, R. *Gryllotalpa gryllotalpa* L. as pest on farm crops and measures for its control. (Bu) *Rastenievudni Nauk.* 3(7):37-46. Ref. 1966. 64.8 R18
English summary.
Pest of field crops; insecticides applied.
- 38827 RAO, S. V., KHAN, B. A., and ANAVARA-THAM, M. Insecticidal trial for the control of maize stem-borers. *Indian J. Agr. Sci.* 36(1):35-39. Feb.1966. 22 Ag831
Chilo zonellus and Sesamia inferens.
- 38828 RAUN, E. S., SUTTER, G. R., and REVELO, M. A. Ecological factors affecting the pathogenicity of *Bacillus thuringiensis* var. thuringiensis to the European corn borer [*Ostrinia nubilalis*] and fall armyworm [*Spodoptera frugiperda*]. *J. Invertebrate Pathol.* 8(3):365-375. Ref. Sept.1966. 421 J826
- 38829 EL-REFAI, A., and HOPKINS, T. L. Parathion absorption, translocation, and conversion to paraoxon in bean plants. *J. Agr. Food Chem.* 14(6):588-592. Ref. Nov./Dec.1966. 381 J8223
- 38830 RONEY, J. N. Control the pink bollworm now! *Ariz. Univ. Ext. Circ.* 274, rev. 5 p. Oct.1966. 275.29 Ar42
Pectinophora gossypiella.
- 38831 ROSBOROUGH, T. Further experiments on cabbage root fly [*Erioischia brassicae*] control in Northern Ireland. *Plant Pathol.* 15(3):130-133. Sept.1966. 464.8 P692
Cauliflower pest.
- 38832 ROSSITER, P. D., and SABINE, B. N. E. Insecticidal control of *Phthorimaea operculella* (Zell.) in central Queensland. *Queensland J. Agr. Anim. Sci.* 23(1):29-40. Mar.1966. 23 Q37
In tomatoes and potatoes.
- 38833 SAKSENA, K. N., SILL, W. H., and KAINSKI, J. M. Relative efficiency of four aphid species in the transmission of Kansas isolates of barley yellow dwarf virus. *Plant Dis. Rep.* 48(10):756-760. Ref. Oct.15, 1964. 1.9 P69P
Apple grain aphid (*Rhopalosiphum fitchii*), corn leaf aphid (*R. maidis*), English grain aphid (*Macrosiphum granarium*), and greenbug (*Toxoptera graminum*).
- 38834 SAMY, O. The effect of insecticides on insect populations in cotton fields. *Agr. Res. Rev.* 43(4):1-15. Oct.1965. 24 Eg94
Use of endrin, DDT, and dipterex in United Arab Republic.
- 38835 SCHILLINGER, J. A. Larval growth as a method of screening *Triticum* sp. for resistance to the cereal leaf beetle [*Oulema melanopus*]. *J. Econ. Entomol.* 59(5):1163-1166. Oct.1966. 421 J822
- 38836 SCHMUTTERER, H., and EHRHARDT, P. Further experiments with artificially transforming the larvae of the lacebug *Piesma quadrata* (Heteroptera) into vectors of beet leaf curl virus. (Ge) *Entomol. Exp. Appl.* 9(2):278-286. 1966. 421 En895
English summary.
Tests with sugar beets and effects of puncturing the gut.
- 38837 SCOTT, G. E., and GUTHRIE, W. D. Survival of European corn borer [*Ostrinia nubilalis*] larvae on resistant corn treated with nutritional substances. *J. Econ. Entomol.* 59(5):1265-1267. Oct.1966. 421 J822
- 38838 SHAW, F. R., and ZIENER, W. H. Rate of disappearance of dimethoate from Ladino clover and birdsfoot trefoil. *J. Econ. Entomol.* 59(5):1303. Oct.1966. 421 J822
- 38839 SILVEIRA GUIDO, A. Los insectos enemigos del girasol en el Uruguay [The insect pests of sunflowers in Uruguay]. Montevideo. Univ. Fac. Agron. Bol. 31, 64 p. Ref., p.59-62. Nov. 1965. 102.5 M76B
- 38840 SIMONS, J. N. Effects of temperature and length of acquisition feeding time on transmission of nonpersistent viruses by aphids. *J. Econ. Entomol.* 59(5):1056-1062. Oct.1966. 421 J822
Potato virus Y and cucumber mosaic virus.
- 38841 SINGH, H., and LAL, R. Effects of DDT and endrin treatments on the biology of surviving red cotton bugs [*Dysdercus koenigii*]. *Indian J. Agr. Sci.* 36(2):85-94. Ref. Apr.1966. 22 Ag831
- 38842 SINGH, H. *Pachymerus chinensis* Linn., its biology and extent of damage to gram. *Plant Protect. Bull.* 16(1/2):23-28. 1964, pub.1965. 421 P69

- 38843 SLESSMAN, J. P. Control of cabbage caterpillars [*Trichoplusia ni*] in Ohio. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:117-118. 1966, pub. 1967. 422.12 N81
With *Bacillus thuringiensis* and chemicals.
- 38844 SMITH, P. R. A disease of french beans (*Phaseolus vulgaris* L.) caused by subterranean clover stunt virus. Australian J. Agr. Res. 17(6):375-382. Nov. 1966. 23 Au783
Aphis craccivora as vector.
- 38845 SNETSINGER, R., and FREAR, D. E. H. Effects of diazinon on mushroom production. J. Econ. Entomol. 59(5):1292-1294. Oct. 1966. 421 J822
When used for fly control in Pennsylvania.
- 38846 SNETSINGER, R., and FREAR, D. E. H. Experiments with naled for control of mushroom flies. J. Econ. Entomol. 59(5):1291-1292. Oct. 1966. 421 J822
Lycoriella paucisetata and *Megaselia agarici* in Pennsylvania.
- 38847 TAPPAN, W. B. Insecticides tested for wireworm control on cigar-wrapper tobacco. J. Econ. Entomol. 59(5):1161-1163. Ref. Oct. 1966. 421 J822
Conoderus illi and *C. vespertinus* in Florida.
- 38848 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to control the alfalfa weevil. Tenn. Univ. Ext. Publ. 433, rev., 8 p.-folder. Oct. 1966. 275.29 T25
Chiefly chemical control of *Hypera postica*.
- 38849 TERAN, A. L. Relations existing between insects and flowers of Cucurbitaceae of agricultural interest. (Sp) Rev. Agron. Noroeste Argent. 4(2):187-193. 1965. 9 R3222
English summary.
Includes pollinators.
- 38850 THAKARE, K. R., and LANDE, S. U. Preliminary evaluation of efficacy of *Diadegma* (= *Angitia*) fenestralis Holmgren in the control of *Heliothis armigera* (Hub.), a pest of gram. Dhulia. Coll. Agr. Mag. 5(1):54-56. Jan. 1966. 107.5 D533
- 38851 TOOHEY, C. L. Soldier fly [Stratiomyidae] damage in the Moreton area. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30 (1):26-27. July 1, 1966. 65.9 Q3C
- 38852 TOPPOZADA, A. ABDALLAH, S., and ELDE-FRAWI, M. E. Chemosterilization of larvae and adults of the Egyptian cotton leafworm, *Prodenia litura*, by apholate, metepa, and tepa. J. Econ. Entomol. 59(5):1125-1128. Ref. Oct. 1966. 421 J822
- 38853 EL TOUBGI, A., ALI, A. M., and EL BALLAL, M. The effect of resistance of the cotton leafworm, *Prodenia litura* F., to toxaphene on its tolerance to Sevin. Agr. Res. Rev. 43(4):29-36, map. Oct. 1965. 24 Eg94
- 38854 U. S. BUR. OF SPORT FISHERIES AND WILDLIFE. DIV. OF FISHERY SERV. Pesticide Surveillance Program, Big Horn Grasshopper Control Project, Big Horn National Forest, Wyoming, August 9-12, 1965; special report. Fort Collins, Colorado, 1966. 31 p., map. SB951.A2U5
U. S. Agricultural Research Service, Plant Pest Control Division, and U. S. Forest Service, cooperating.
Aircraft spraying of grassland with malathion and diazinon; includes toxicity to fish.
- 38855 VANDENBURGH, R. S., and others. Factors affecting resistance of alfalfa clones to adult feeding and oviposition of the alfalfa weevil [*Hypera postica*] in the laboratory. J. Econ. Entomol. 59(5):1193-1198. Oct. 1966. 421 J822
B. L. Norwood, C. C. Blickenstaff, and C. H. Hanson, joint authors.
- 38856 VERGRACHT, J. A new insecticide for the control of the cabbage maggot. (Fl) Tuinbouw-berichten 30(5):174. May 1966. 80 T817
Nexion to control *Hylemya brassicae* in Belgium.
- 38857 VERNON, J. D. R., and DENNIS, E. B. Experiments on the control of woodlice [*Oniscus asellus*]. Plant Pathol. 15(3):116-118. Sept. 1966. 464.8 P692
Vegetable pest.
- 38858 WAF, A. K., and KEDDIS, M. E. Sensitivity of a laboratory reared colony of *Tetranychus atlanticus* to certain acaricides as a test for the stability of that colony. Agr. Res. Rev. 43 (4):111-117. Oct. 1965. 24 Eg94
Control of sweetpotatoes with *Metasystox*, Rogor and Dimecron, in United Arab Republic.
- 38859 WAF, A. K., ALI, A. M., and KEDDIS, M. E. *Tetranychus atlanticus* as a test animal for testing acaricides. Agr. Res. Rev. 43(4):119-126. Oct. 1965. 24 Eg94
Control on sweetpotatoes with *Metasystox* R. and Thiochron, in United Arab Republic.
- 38860 WALKER, J. R. Reproductive potential of the sweetpotato weevil [*Cylas formicarius elegantulus*] after exposure to ionizing radiations [gamma rays]. J. Econ. Entomol. 59(5):1206-1208. Ref. Oct. 1966. 421 J822
Utilization for control discussed.
- 38861 WHITACRE, D. M., and WARE, G. W. Alfalfa weevil [*Hypera postica*] tolerance to insecticides in Ohio. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:126-128. 1966, pub. 1967. 422.12 N81
- 38862 WILSON, G. A friendly fungus. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):8. July 1, 1965. 65.9 Q3C
Control of *Cicada* by *Cordyceps*.
- 38863 WILSON, G. Selecting an insecticide for cane grub [*Dermolepida albohirtum*] control. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):12-15. July 1, 1966. 65.9 Q3C
- 38864 WILSON, M. C., and TREECE, R. E. A test of the mini-spin nozzle for aerial application of low-volume concentrate sprays to control cereal leaf beetle [*Oulema melanopus*] larvae. J. Econ. Entomol. 59(5):1310-1311. Oct. 1966. 421 J822
- 38865 WISEMAN, B. R., PAINTER, R. H., and WAS-SOM, C. E. Detecting corn seedling differences in the greenhouse by visual classification of damage by the fall armyworm [*Spodoptera frugiperda*]. J. Econ. Entomol. 59(5):1211-1214. Oct. 1966. 421 J822
- 38866 ZED, M., and MADKOUR, A. Effect of soil treatment with certain insecticides on the population density of the cotton leaf worm, *Prodenia litura* F., in [Egyptian] clover fields. Agr. Res. Rev. 43(4):17-22. Oct. 1965. 24 Eg94
United Arab Republic.
- 38867 ZUCKERMAN, B. M., and others. Parathion studies on bean grown in sterile root culture. J. Econ. Entomol. 59(5):1157-1160. Oct. 1966. 421 J822
C. W. Miller, R. M. Devlin, W. E. Tomlinson, and R. L. Norgren, joint authors.
Translocation.

Pests of Fruit and Nut Crops

- 38868 AHMAD, F. U., ABBAS, H. M., and SIDDIQUI, S. A. Aerial application of dimecron and diazinon against aphids. World Crops 18(3):68-70. Sept. 1966. 281.8 W892
Myzus persicae, Psarochlorus persicae, and Anuraphis roseus, with fruit as the host plant.
- 38869 BHATIA, L. J., and GAUBA, H. R. Efficacy of different insecticides for the control of *Drosicha mangiferae*. Plant Protect. Bull. 16(1/2):13-15. 1964, pub. 1965. 421 P69
- 38870 BROOKS, R. F., and BULLOCK, R. C. Control of yellow scale *Aonidiella citrina* on Florida citrus. Fla. Entomol. 49(3):185-188. Sept. 1966. 420 F662
Insecticidal control.
- 38871 CALLEJAS, R. Fruit tree insects in El Salvador. (Sp) Credito Rural (ser. 2) 161:7.9. Nov. 1965. 284.28 C863
Pests.
- 38872 COCHEREAU, P. Insect pest control in the New Hebrides. S. Pacific Bull. 16(4):30-31. Fourth Q. 1966. 280.8 So89
Biological control of *Aspidiotus destructor* on coconuts by means of *Lindorus lophantae*. Translation from Academie d'Agriculture de France. Comptes Rendus 51(5):318-321. Mar. 3/10, 1965.

- 38873 FKKRY, O., AWADALLAH, A., and FARIS, F. Organic phosphorus compounds as insecticides of the Mediterranean fruit fly, *Ceratitis capitata* Wied., on peaches. *Agr. Res. Rev.* 43 (4):63-66. Oct. 1965. 24 Eg94
Use of Rogor, lindane, and Lebaycid, in United Arab Republic.
- 38874 GINAI, M. A. Malformation of mango inflorescence. West Pakistan J. Agr. Res. 3(4): 248-251. Dec. 1965. 22 W52
Virus disease spread through mites and other insects.
- 38875 HEINRICH, W. O. Informe al Gobierno de Costa Rica sobre el control de las plagas del café durante la erupción del Irazú [Report to the Government of Costa Rica on control of coffee pests during the eruption of Irazú]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2162, 11 p. 1966. 281.9 F733E
- 38876 HINCKLEY, A. D. Damage by the rhinoceros beetle *Oryctes rhinoceros* (L.), to Pacific Island palms. S. Pacific Bull. 16(4):51-52. Fourth Q. 1966. 280.8 So89
Coconuts.
- 38877 HOYT, S. C. Resistance to binapacryl and Union Carbide 19786 in the McDaniel spider mite, *Tetranychus mcDanieli*. J. Econ. Entomol. 59(5):1278-1279. Oct. 1966. 421 J822
Fruit pest.
- 38878 JOHNSON, R. B. Hexachlorophene for citrus rust mite [*Phyllocoptura oleivora*] control. Fla. Entomol. 49(3):195-198. Sept. 1966. 420 F662
Florida.
- 38879 KIDO, H., and STAFFORD, E. M. Some effects of thiotepa on *Drosophila melanogaster* Meigen. J. Econ. Entomol. 59(5):1064-1069. Oct. 1966. 421 J822
- 38880 NICKEL, J. L., and WONG, T. T. Y. Control of the walnut husk fly, *Rhagoletis completa* Cresson, with systemic insecticides. J. Econ. Entomol. 59(5):1079-1082. Oct. 1966. 421 J822
- 38881 RAWHY, S. H., and ROFAIL, F. Promising insecticides against some scale insects on citrus trees. Agr. Res. Rev. 43(4):67-69. Oct. 1965. 24 Eg94
Control of *Aonidiella aurantii*, *Chrysomphalus ficus*, and *Ceroplastes floridensis*, with oil sprays and dioxathion/oil in United Arab Republic.
- 38882 SAUNDERS, G. W., and ELDER, R. J. Sterilization of banana fruit infested with banana fruit fly. *Queensland J. Agr. Anim. Sci.* 23(1):81-85. Mar. 1966. 23 Q37
Control of *Strumeta tryoni* and *S. musae*, with fenthion and dimethoate.
- 38883 SEN, A. R., CHAKRABARTY, R. P., and SARKAR, A. R. Sampling techniques for estimation of incidence of red spider mite on tea crop in North-East India. *Biometrics* 22(2): 389-403. June 1966. 442.8 B5224
Tetranychus telarius.
- 38884 VIDAL, J. P., and MARCELIN, H. Control tests on *Eudemis* in 1965. (Fr.) *Pyrenées-Orientales. Chambre Agr. Bull. Fr.* 38:5-15. Mar. 1966. 14 F8462
Chemical control of *Polychrosis botrana* on grapes.
- 38885 WILDE, G., and SEMEL, M. A laboratory comparison of the susceptibility of four leaf rollers, *Platynota flavedana*, *Olethreutes cespitana*, *Ptycholoma peritana*, and *Ancylis comptana* fragariae to TDE and parathion. J. Econ. Entomol. 59(5):1041-1043. Oct. 1966. 421 J822
Strawberry pests in New York.
- 38886 ZOTOW, W. W. Increased metabolic energy in infested tissues as factor in resistance of grapes to *Phylloxera*. (Ge) *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 74:259-264. Ref. 1965. 18 D4825T
English summary.
- 38889 GOULD, H. J. Organophosphorus insecticide resistance in aphids [*Myzus persicae*] on year-round *Chrysanthemum*. *Plant Pathol.* 15(3):109-112. Sept. 1966. 464.8 P692
- 38889 JONES, A. W. Insect visitors to *Buddleia* and *Michaelmas daisies* [Aster]. *Entomol. Rec. J. Variation* 78(10):219-221. Oct. 1966. 421 En89
- 38890 MCMURTRY, J. A., and SCRIVEN, G. T. Studies on predator-prey interactions between *Ambylyseus hiolsci* and *Oligonychus punicae* (Acarina: Phytoseiidae, Tetranychidae) under greenhouse conditions. *Entomol. Soc. Amer. Ann.* 59(4):793-800. Ref. July 1966. 420 En82
As pests of *Persea indica*.
- 38891 RODE, H., and VORSATZ, E. Lily fly [*Liriomyza urophorina* Mik: Agromyzidae], a little known pest. (Ge) *Deut. Iris- Lilienges.* 1965: 168-173. 96.45 D48
On *Lilium*; includes chemical control.
- 38892 SECHRIEST, R. E., and LUCKMANN, W. H. Controlling black cutworms [*Agrotis ipsilon*] on corn-greenhouse tests. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:48-49. 1966, pub. 1967. 422.12 N81
With insecticides.
- 38893 SNETSINGER, R. Biology and control of a root-feeding mealybug [*Rhizococcus pritchardi*] on *Saintpaulia*. J. Econ. Entomol. 59(5):1077-1078. Oct. 1966. 421 J822
Insecticidal control.
- 38894 SZONTAGH, P. Pests of poplar seedlings in nurseries in Hungary and methods of their control. (Cz) *Les [Bratislava]* 22:319-324. 1966. 99.8 L5632
- 38895 VERNON, J. D. R. *Brevipalpus oncidii* Baker on orchids. *Plant Pathol.* 15(3):144. Sept. 1966. 464.8 P692

Pests of Stored Products and Processed Commodities

- 38896 BANG, Y. H. Effect of sublethal doses of fumigants on stored grain insects. *Diss. Abstr.*, Sect. B, 27(1):326B-327B. July 1966. Z5055.U49D53
Tribolium confusum and *T. castaneum*, and *Sitophilus granarius*.
- 38897 BATEMAN, P. Five per cent goes to grain pests. *Milling* 147(24):522-523. Dec. 16, 1966. 298.8 M622
- 38898 BRY, R. E., MCDONALD, L. L., and LANG, J. H. Mothproofing investigations with bathrin and dimethrin. J. Econ. Entomol. 59(5):1108-1110. Oct. 1966. 421 J822
Textiles tested against *Attageus piceus*.
- 38899 BUCK, F. D. *Tribolium castaneum* Herbst (Col., Tenebrionidae) in a Brazil nut. S. London Entomol. Natur. Hist. Soc. Proc. Trans. 1:13. May 1965. 420 S08
Pest of stored products.
- 38900 BURKHOLDER, W. E. Toxicity of methyl bromide to *Acarus siro*, a cheese-infesting mite. J. Econ. Entomol. 59(5):1110-1112. Oct. 1966. 421 J822
- 38901 CHABASSE, Y., and GENTHON, H. Detrital acarids; parasitism of ham by *Glycyphagus domesticus*. (Fr) *Rec. Med. Vet.* 142(11):1049-1054. Nov. 1966. 41.8 R24
English summary.
- 38902 COULON, J. Comparative effect of different synergists on the immediate effectiveness of pyrethrins; a study on *Sitophilus granarius* L., *S. oryzae* L., *Tribolium confusum* L., and *Oryzaephilus surinamensis* L. (Fr) *Phytiat.-Phytopharm.* 15(2):93-97. 1966. 464.8 P564
- 38903 COULON, J., and BARRES, P. Effectiveness of amorphous silica hydrate on bean weevil, *Acanthoscelides obtectus* Say. (Fr) *Phytiat.-Phytopharm.* 15(2):99-104. 1966. 464.8 P564
- 38904 FLYNN, A. D., and SCHOOF, H. F. Evaluation of various toxicants as residues against *Blattella germanica* (L.). J. Econ. Entomol. 59(5): 1270-1274. Oct. 1966. 421 J822
- 38905 KABIR, S. M. H. Interactions in stored grain of populations of *Sitophilus zeamais* Motschulsky, *Rhizopertha dominica* (Fabricius) and *Tribolium castaneum* (Herbst). *Diss. Abstr.*, Sect. B, 27(1):330B-331B. July 1966. Z5055.U49D53
- Pests of Ornamentals, Greenhouses, and Nurseries**
- 38897 APPLEBY, J. E. Control of bean aphid, *Aphis fabae*, on nasturtium with systemic insecticides. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:119-120. 1966, pub. 1967. 422.12 N81

- 38906 KAMEL, A. H., HAGGAG, Y. M., and EZZAT, T. M. A method for disinfecting the woollen clothes on fixed museum statues in situ. *Agr. Res. Rev.* 43(4):89-92. Oct.1965. 24 Eg94
Control of *Anthrenus fasciatus* with phostoxin, methyl bromide and DDT/lindane, in United Arab Republic.
- 38907 LAL, R., and SINGH, Y. P. Effect of food on the susceptibility of *Tribolium castaneum* Herbst to insecticides. *Indian J. Entomol.* 28(1):88-93. Mar.1966. 420 Im23
Stored grain pest.
- 38908 PENNCE, R. J. Analyzing fur damage with a microscope. *Calif. Agr. Exp. Sta. Circ.* 541, 18 p. Oct.1966. 100 C12S
Includes clothes moths and carpet beetles.
- 38909 PULKKI, L. H. Pests in flour mills. II. Milling 147(20):417. Nov.18,1966. 298.8 M622
- 38910 RICHARDSON, H. H., and ROTH, H. Methyl bromide, ethylene dibromide, and other fumigants for control of plum curculio [*Conotrachelus nempus*] in fruit. *J. Econ. Entomol.* 59(5):1149-1152. Ref. Oct.1966. 421 J822
- 38911 RUTLEDGE, J. H. Phosphine progress—research into new applications for mills, warehouses & grain elevators. *Amer. Miller Processor* 94(12):14-16,18,24. Dec.1966. 298.8 Am32
Insect control.
- 38912 SCHESSER, J. H. Official report/phosphine fumigation of processed cereal products in rail cars. *Amer. Miller Processor* 95(1):9-13. Jan.1967. 298.8 Am32
For control of *Tribolium castaneum*.
- 38913 SINGH, P. Recovery of sub-lethal concentrations of hydrogen cyanide gas from insect pests of stored products. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:113-115. Ref. 1966, pub. 1967. 422.12 N31
- 38914 SINGH, P. Retention of hydrogen cyanide gas by insects. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:112. 1966, pub.1967. 422.12 N31
- 38915 STANLEY, J. A mathematical theory of the growth of populations of the flour beetle *Tribolium confusum*, Duval. IX. The persistence of tunnels in the flour mass. *J. Theor. Biol.* 13:379-411. Dec.1966. 442.8 J8223
- 38916 STICKA, R. Important considerations for flour millers. *Pybuthrin Dig.* 3(1):11,14-15. Winter 1965. 421 P992
Malathion.
- 38917 TEO, L. H. Effects of fumigants on the respiratory mechanisms of *Tenebrio molitor* (L.). *Quaestiones Entomol.* 24(4):303-322. Ref. Oct.3,1966. 421 Q2
- 38918 TWINEY, N. R. A review of the biology and control of the German cockroach, *Blattella germanica* L. in California. *Calif. Vector Views* 13(4):27-37, map. Ref. Apr.1966. 449.8 C12
- 38919 VAN SCHREVEN, H. Insect control in the tobacco industry. *Rhodesian Tobacco J.* 18(10):47-48. Oct.1966. 69.8 R34
Pyrethrum for storage control of *Lasioderma serricornis*.
- 38920 VARMA, B. K. Some current practices for prevention and disinfestation of pest complex in stored agricultural commodities in India. *Plant Protect. Bull.* 16(1/2):37-45. Ref. 1964, pub. 1965. 421 P69
Includes sanitation and fumigation.
- 38921 ADAM, BROTHOR. Glimpses of beekeeping in the Aegean Islands. *Amer. Bee J.* 106(10):370-372. (Cont.) Oct.1966. 424.8 Am3
- 38922 ATTFIELD, H. D. The integration of honey bee colonies through odor. *Amer. Bee J.* 106(10):378-379. Oct.1966. 424.8 Am3
- 38923 BARKER, S. A. Separation and isolation of the hyaluronidase and phospholipase components of bee-venom and investigation of bee-venom-human serum interactions. *Clin. Chim. Acta* 13(5):582-596. Ref. May 1966. 385 C61
- 38924 BOITEUX, R. A visit to the apicultural installations of Chezelles (Indre). (Fr) *Apiculteur* 110(9/10):175-183. Sept./Oct.1966. 424.8 Ap3
- 38925 BOLLER, P. A novel method of comb fumigation & storage for sideline beekeepers. *Gleanings Bee Cult.* 94(10):623-625. Oct.1966. 424.8 G47
- 38926 BOOMSMA, H. J. A honey tank warmer. *Gleanings Bee Cult.* 94(10):588-589. Oct.1966. 424.8 G47
- 38927 BRENNER, H. *Apiculture today.* (Sw) *Tidskr. Lantman Andelsfolk* 4:98-99. Feb.28,1966. 20 T43
Finland.
- 38928 CAILLAS, A. The dietetic and therapeutic value of different pollens. III. Therapeutic properties. (Fr) *Gaz. Apic.* 67(711):170-172. Aug.1966. 424.8 G25
Pollen traps in the hive for collecting it.
- 38929 CALIFORNIA. UNIVERSITY. PUBLICITY DEPT. Well, almost—bees breathe smog with ease. *Amer. Bee J.* 106(10):374. Oct.1966. 424.8 Am3
California.
- 38930 CAPPS, M. J. "Telling" the bees. *Amer. Bee J.* 106(10):375. Oct.1966. 424.8 Am3
Folklore.
- 38931 DENMARK. STATENS BISIYGDOMSNAEVN. Report of State Bee Disease Board, 1963-65. (Da) *Tidskr. Biavl* 100(12):187-191, map. Dec.20,1966. 424.8 T43
- 38932 DOUAULT, P. Improvement of a research technique in the contamination of a bee labelled with a radioisotope. (Fr) *Ann. Abeille* 9(2):165-169. 1966. 424.9 F842
- 38933 FLISCH, P. Farewell to the bee year 1966. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(12):551-553. Dec.1966. 424.8 Sch9
Colony management.
- 38934 FREDHOLM, B. Studies on a mast cell degranulating factor in bee venom. *Biochem. Pharmacol.* 15(12):2037-2043. Ref. Dec.1966. 396.8 B52
- 38935 GIBSON, G. Our lobbying was 100% successful. *Amer. Bee J.* 106(10):380. Oct.1966. 424.8 Am3
To restore funds for apicultural research slashed from the 1967 budget by Congress.
- 38936 GILLIAM, M., and SHIMANUKI, H. Total hemocyte counts in hemolymph of immature honey bees. *Amer. Bee J.* 106(10):376. Oct. 1966. 424.8 Am3
- 38937 GNADINGER, F. Apicultural problems in the region of the Federation of Baden Beekeepers [Landesverband Badischer Imker]. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(12):556-567. Dec.1966. 424.8 Sch9
- 38938 GRIFFIN, L. A. M. Advances made with queen banks in South Island. *New Zeal. J. Agr.* 113(5):41. Nov.1966. 23 N48J
Apis mellifera.
- 38939 GUSTAVSSON, H. The bee year 1966. (Sw) *Blidningen* 65(12):382-383. Dec.1966. 424.8 B54
- 38940 HABERMANN, E. Recent studies on Hymenoptera venoms. In Raudonat, H. W., and Vanecek, J., ed. Recent advances in the pharmacology of toxins, v.9, p.53-62. Ref. 1965. QP941.R3
Apis mellifera, *Vespa vulgaris*, and *V. crabro*.
Includes discussion.
- 38941 HALBERSTADT, K. Proteins of the hypopharyngeal glands of worker bees. I. Comparison by electrophoresis of the proteins from summer bees, winter bees and caged bees. (Ge) *Ann. Abeille* 9(2):153-163. Ref. 1966. 424.9 F842
English summary.
- 38942 HITCHCOCK, J. D. Transmission of sacbrood disease to individual honey bee larvae. *J. Econ. Entomol.* 59(5):1154-1156. Oct.1966. 421 J822
- 38943 JOHANSSON, D., and STENMARK, A. Toxicity to bees. (Sw) *Kem. Vaxtskyddsmedel*, 1966: 21-22. 385 K313
Economic poisons.
- 38944 JOHNSON, D. L. Honey bees: do they use the direction information contained in their dance maneuver? *Science* 155(3764):844-847. Ref. Feb.17,1967. 470 Sc12

APICULTURE AND APIS MELLIFERA

- 38945 KENNERLY, A. B. What is a good bee location? *Gleanings Bee Cult.* 94(10):598-601. Oct.1966. 424.8 G47
- 38946 KOOVER, C. J. The clear vision veil. *Gleanings Bee Cult.* 94(10):590-591,633. Oct.1966. 424.8 G47
- 38947 KULINCEVIC, J. Pheno-analysis of the abdominal tergites of the males of different geographical races and crossings of the bee (*Apis mellifica* L.). (Ge) *Ann. Abeille* 9(2):115-152. Ref. 1966. 424.9 F842
English summary.
- 38948 L'ALLIANCE POUR L'EXPANSION DE L'API-CULTURE. Annual general assembly, 1966. (Fr) *Gaz. Apic.* 67(711):186-192. Aug.1966. 424.8 G25
Addresses by P. Eloy, G. Biette, and R. Alphantery.
Includes honey trade.
- 38949 LESCURE, J. The predatory behaviour of "Bufo bufo" toward bees. (Fr) *Ann. Abeille* 9(2):83-114. Ref. 1966. 424.9 F842
English summary.
Apis mellifera.
- 38950 LEWIS, D. K. Activation of honeybee head cholinesterase by water-miscible organic solvents. *Nature* 213(5072):205-206. Jan.14, 1967. 472 N21
- 38951 LEWIS, D. K. In vitro anticholinesterase activity of certain N-methylcarbamate insecticides compared with their N-acyl derivatives. *Nature* 213(5072):205. Jan.14, 1967. 472 N21
Tested with: none. See.
- 38952 LINDAUER, M. Recent advances in bee communication and orientation. *Annu. Rev. Entomol.* 12:439-470. 1967. 421 An72
- 38953 LUNDBLOM, A. An African safari; hunting for the honey guide. (Sw) *Bitidningen* 66(1):13-15. (Cont.) Jan.1967. 424.8 B54
Includes *Apis mellifica* andansonii.
- 38954 LUTERBACHER, W. Honey report 1966. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(12):548-550. Dec.1966. 424.8 Sch9
- 38955 MAAG, H. The slip-on "Schluter" introducing cage. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(12):567-570. Dec.1966. 424.8 Sch9
- 38956 MARQUARDT, R. R., and BROSEMER, R. W. Insect extramitochondrial glycerophosphate dehydrogenase. I-II. *Biochim. Biophys. Acta* 128(3):454-473. Ref. Dec.14, 1966. 361 B522
I. Crystallization and physical properties of the enzyme from honeybee (*Apis mellifera*) thoraces; II. Enzymic properties and amino acid composition of the enzyme from honeybee (*Apis mellifera*) thoraces.
- 38957 MARTIN, E. C. Honey bee pollination of the highbush blueberry. *Amer. Bee J.* 106(10):366-367. Oct.1966. 424.8 Am3
Michigan.
- 38958 MATTHEWS, S. P. Strange vandals. *Gleanings Bee Cult.* 94(10):631. Oct.1966. 424.8 G47
Woodpeckers.
- 38959 MCKIBBEN, G. H. Honey processing for the small beekeeper. *Gleanings Bee Cult.* 94(10):586-587,635. Oct.1966. 424.8 G47
- 38960 MISERICORDIA, F. An experiment with royal jelly in two twin calves. (It) *Veterinaria [Milano]* 14(3):280-285. May/June 1965. 41.8 V649
- 38961 MORRIS, H. J. Feeding bees. *Gleanings Bee Cult.* 94(10):596. Oct.1966. 424.8 G47
- 38962 MORSE, R. A. The beekeeping potential in the Philippines. *Gleanings Bee Cult.* 94(10):592-595. Oct.1966. 424.8 G47
- 38963 MORSE, R. A. Honey bee colony defense at low temperatures. *J. Econ. Entomol.* 59(5):1091-1093. Oct.1966. 421 J822
- 38964 MORSE, R. A., DYCE, E. J., and YOUNG, R. G. Weight changes by the queen honey bee during swarming. *Entomol. Soc. Amer. Ann.* 59(4):772-774. July 1966. 420 En82
Apis mellifera.
- 38965 NELSON, D. A. The venom of the honeybee *Apis mellifera*. *Diss. Abstr.*, Sect. B, 27(5):1387B. Nov.1966. Z5055.U49D53
- 38966 NILSSON, J. Wintering of bees. (Sw) *Bitidningen* 65(12):370-373. Dec.1966. 424.8 B54
Comments on article by K. Jensen.
- 38967 OLSSON, U. Winter feeding. (Sw) *Bitidningen* 65(12):382. Dec.1966. 424.8 B54
Apis mellifera.
- 38968 PANKIW, P. An appraisal of the easy-tripping character in alfalfa for honey bee pollination. *Forage Notes [Ottawa]* 11(1):17-18. Spring 1965. 60.8 F742
- 38969 ROBINSON, F. A., and NATION, J. L. Artificial diets for honey bees, *Apis mellifera*. *Fla. Entomol.* 49(3):175-184. Ref. Sept.1966. 420 F662
Pollen substitutes.
- 38970 ROFF, C. Legislation helps honey production. *Queensland Agr. J.* 92(10):626-629. Oct.1966. 23 Q33
- 38971 ROSWALL, G. Find the beekeepers in Finland. (Sw) *Bitidningen* 65(12):376-380. Dec.1966. 424.8 B54
- 38972 ROUSSY, L. Observations on three abnormalities in males of *Apis mellifica*. (Fr) *Gaz. Apic.* 67(711):173-176. Ref. Aug.1966. 424.8 G25
- 38973 SAINT-GERMES, G. Why commit hara-kiri? (Fr) *Apiculture* 110(12):229-231. Dec.1966. 424.8 Ap3
Danger of too much consolidation and federation of societies.
- 38974 SCHMIDT, H. W. Hormonapin-healing salve—a biological bee-hormone-vitamin complex preparation. (Ge) *Prakt. Tierarz.* 47(11):557. Nov.1, 1966. 41.8 P882
From honey bee.
- 38975 SKARBEK, R. Five years of work of the Laboratory of Diseases of Bees in the Veterinary Hygiene Office [Pracownia Chorob Pszczol, Wojewodzki Zaklad Higieny Weterynaryjnej] in Opole. (Pol) *Med. Weter.* 22(10):601-602, map. Oct.1966. 41.8 M463
- 38976 STANDIFER, L. N. Fatty acids in dandelion pollen gathered by honey bees, *Apis mellifera* (Hymenoptera: Apidae). *Entomol. Soc. Amer. Ann.* 59(5):1005-1006. Ref. Sept.1966. 420 En82
- 38977 STEPHEN, W. A. Fundamentals for all. *Gleaning Bee Cult.* 94(10):610,636. Oct.1966. 424.8 G47
Bee behavior.
- 38978 STUSSI, T. Comparison of oxygen consumption at 15°C of the single honey bee and that of honey bees in groups of two and ten. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(21):1608-1611. Ref. Nov.21, 1966. 505 P21
- 38979 WAHL, O. Comparative investigations on the nutritive value of pollen, yeast, soy flour and powdered milk for the honey bee (*Apis mellifera*); a contribution to the protein and vitamin metabolism of the bee. 125 p. Ref. (Transl. 16299)
Translation from *Zeitschrift für Bienenforschung* 6(8):209-280. Oct.1963.
- 38980 WEHNER, R., and LINDAUER, M. On the physiology of shape recognition in the honey bee. I. Angle distinction on vertical stripe pattern. (Ge) *Z. Vergleichende Physiol.* 52(3):290-324. Ref. 1966. 444.8 Z3
English summary.
Apis mellifera.
- 38981 WENNER, A. M. Honey bees: do they use the distance information contained in their dance maneuver? *Science* 155(3764):847-849. Ref. Feb.17, 1967. 470 Sc12
- 38982 ZACHARKIW, M. A convenient way of mixing and applying dry drugs. *Amer. Bee J.* 106(10):379. Oct.1966. 424.8 Am3
For bee diseases.

SERCULTURE AND THE SILKWORM

- 38983 COULON, M. Variations in spectrum anomalies following X-ray radiation in the embryo of *Bombyx mori* as a function of preliminary hibernation. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1153-1165. Oct.17, 1966. 505 P21

- 38384 DOBROVOL'SKA, H. M., and others. Biological activity of DNA preparations isolated from the tissues of silkworm infected with nuclear polyhedrosis virus. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.2):T1115-T1118. Ref. Nov./Dec.1966. 442.9 F31P
I. P. Kok, I. A. Smirnova, and A. V. Chistyakova, joint authors.
- 38385 GOLANSKI, K. Appearance of diseases in silkworm (*Bombyx mori* L.) and their influence on the cocoon harvest in relation to time the silkworms were sent to rearers in Poland. (Pol) Med. Weter. 22(11):677-680. Ref. Nov.1966. 41.8 M463
- 38386 HAMAMURA, Y., KUWATA, K., and MASUDA, H. Effect of gallic acid on the growth of the silkworm larvae *Bombyx mori* L. Nature 212 (5068):1386-1387. Dec.17,1966. 472 N21
- 38387 KANYUKA, V. YU. Activation of latent nuclear polyhedrosis virus under the influence of Tipula iridescent virus. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.2):T1113-T1114. Ref. Nov./Dec.1966. 442.9 F31P
In *Bombyx mori* and *Galleria mellonella*.
- 38388 KULLEV, P. Content of nucleic acids in the fibroin part of the silk gland of different silkworm races. (Rus) Zhur. Obshch. Biol. 26 (3):378-380. May/June 1965. 442.8 Z6
English summary.
Bombyx mori.
- 38389 SADO, T. Cytological evaluation of dose-rate effects of radiation on mutation frequency of silkworm gonad. I. Kinetics of proliferation and killing of spermatogonia during chronic irradiation. Mutation Res. 3(6):510-521. Ref. Dec. 1966. 443.8 M98
Gamma rays.
- 38390 SADO, T., and OISHI, K. Cytological evaluation of dose-rate effects of radiation on mutation frequency of silkworm gonad. II. Evidence of G₂ accumulation of primary spermatogonia after acute irradiation. Mutation Res. 3(6):522-536. Ref. Dec.1966. 443.8 M98
Gamma rays.
- 38391 VASIL'YEV, L. A. Structure and function of filator of *Bombyx mori* L. larvae. (Rus) Nauch. Dok. Vyssh. Shkoly. Biol. Nauk. 1:15-18. 1965. 442.8 N22
- 38392 WEEVERS, R. DE G. The physiology of a lepidopteran muscle receptor. III. The stretch reflex. J. Exp. Biol. 45(2):229-249. Ref. Oct.1966. 442.8 B77
Antheraea pernyi.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 38993 ARDE, T. More meat and vegetable, less daily bread. (It) *Esso Agr.* 15(5):8-9. Oct. 1966. 58.8 Es7
More proteins in changing food habits.
- 38994 BACKSTROM, K. Where and what do we eat in 1975? (Sw) *Stiftelse, Svenska Lantbruksveckan*. Lantbruksveckan 1965:124-132. 11 Sw34
- 38995 BARTON, J. A. Calcium. *Va. Polytech. Inst. Ext. Leaf.* 303,2 p. Nov. 1966. 275.29 V81L
In human nutrition.
- 38996 BARTON, J. A. Protein. *Va. Polytech. Inst. Ext. Leaf.* 302,4 p. Nov. 1966. 275.29 V81L
In human nutrition.
- 38997 BARTON, J. A. Vitamin C. *Va. Polytech. Inst. Ext. Leaf.* 301,4 p. Nov. 1966. 275.29 V81L
In human nutrition.
- 38998 BERGSTROM, S. Danger of nutritional deficiency. (Sw) *Var Naring* 43(1):4-5. 1966. 44.8 M692
- 38999 BHATTI, M. B., SATTAR, A., and CHAUDHRY, M. R. Studies on the utilisation of whole sangtra [Mandarin orange] fruit for the production of purees and puddings. *Agr. Pakistan* 16(4): 477-484. Ref. Dec. 1965. 22 Ag832
Cookery.
- 39000 DENMARK. STATENS HUSHOLDNINGSRAD. *Arsberetning* [Annual report of the State Home Economics Council], 1965/66. Kobenhavn, 1966. 43 p. 321.9 D41
English summary.
Includes human nutrition and food quality.
- 39001 EKMAN, J. Agricultural and nutrition discussion. (Sw) *Var Naring* 43(1):8-9. 1966. 44.8 M692
Human nutrition.
- 39002 FJELKNER, K. Better food habits. 1. (Sw) *Kalmar Lans Hushallningsallsk. Tidskr.* 6:22-24. Dec. 1965. 11 K123
Nutrition.
- 39003 FOWLER, H. P. Community nutrition training programs for dietitians. *Nutr. Program News*, Nov./Dec. 1966, 4 p. 1.982 A2N955
- 39004 HUTCHISON, E. A. Kebabs are attractive and delicious. *New Zeal. J. Agr.* 113(1):82-83,85, 87. July 1966. 23 N48J
- 39005 LEMBKE, A. The fat problem in nutritional research. (Ge) *Molk.-Kaserei-Zeitung* 17(41): 1684-1687. Oct. 12, 1966. 44.8 M736
Includes the importance of fat in human nutrition.
- 39006 LINDBERG, A. Short cuts to a nutritional diet. (Sw) *Var Naring* 43(1):14-15. 1966. 44.8 M692
- 39007 MCGOVERN, G. Breakthroughs in a most important war. *High Lysine Corn Conf. Proc.* 1966:94-97. QK866.M3H5
Research and programs for control of malnutrition in developing areas.
- 39008 MCLUCKIE, V. Recipes for Maryland dairy products. *Md. Univ. Ext. Leaf.* 36,6 p.-folder. May 1965. 275.29 M36EL
- 39009 MILEV, N., and WEIBELZAH, H. Effects of increased temperatures on the food requirements of man. (Ge) *Nahrung* 10(5):389-399. Ref. 1966. 389.8 N142
English summary.
- 39010 OBESO, R. Studies on Spanish nutrition. XXXV. Enquiry on the population of Valladolid (capital). (Sp) *An. Bromatol.* 18(2/3):295-313. 1966. 389.8 An1
- 39011 PROGULSKE, D., and others. Venison, care and cooking. *S. Dak. State Univ. Ext. FS324*, rev. 8 p. Oct. 1966. 275.29 S085Fs
H. Tuma, R. Wills, and K. Schneider, joint authors.
- 39012 REID, J. J. A. Public health interest in nutrition. *Nutrition* 20(4):144-146. Winter 1966. 389.8 N959

- 39013 SCRIMSHAW, N. S. Synergistic and antagonistic interactions of nutrition and infection. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(6,pt.1): 1679-1681. Nov./Dec. 1966. 442.9 F31P
- 39014 SMITH, N. F., and HUTCHISON, E. A. Mushrooms make delicate and delicious dishes. *New Zeal. J. Agr.* 113(5):88-89,91. Nov. 1966. 23 N48J
- 39015 SOTELO, L. V. Informe al Gobierno del Paraguay sobre programa de alimentacion y educacion nutricional - P.A.E.N. (Report to the Government of Paraguay on the program of nutrition and nutritional education). *Food Agr. Organ. UN, Expanded Tech. Assistance Program*. FAO Rep. 2125,13 p. 1966. 281.9 F733E
- 39016 WELLS, D. Why teach nutrition? *Home Econ. Dom. Subj. Rev.* 13(1):18-19. Jan. 1967. 321.8 H759
- 39017 WIRTHS, W. Evolution of nutrition situation of the human population. (Ge) *Umschau* 66(15): 497-499. Aug. 1, 1966. 474 Um7
- 39018 WRETLIND, A. Nutritional physiological views on the Swedish diet. (Sw) *Stiftelse, Svenska Lantbruksveckan*. Lantbruksveckan 1965:165-183. 11 Sw34

FOOD HABITS

- 39019 BLIX, G. Food habits and health. (Sw) *Jord-Groda-Djur* 23:23-29. 1966. 11 J763
- 39020 CHASSY, J. P., VAN VEEN, A. G., and YOUNG, F. W. The application of social science research methods to the study of food habits and food consumption in an industrializing area. *Amer. J. Clin. Nutr.* 20(1):56-64. Ref. Jan. 1967. 389.8 J824

NUTRITIVE AND VITAMIN CONTENT

- 39021 ALTSCHUL, A. M. Opaque-2 [maize] and parallel developments. *High Lysine Corn Conf. Proc.* 1966:45-46. QK866.M3H5
Research in high-protein food.
Discussion, p. 52-55.
- 39022 BRESSANI, R. Protein quality of opaque-2 maize in children. *High Lysine Corn Conf. Proc.* 1966:34-39. Ref. QK866.M3H5
Discussion, p. 52-55.
- 39023 CLARK, H. E. Opaque-2 corn as a source of protein for adult human subjects. *High Lysine Corn Conf. Proc.* 1966:40-44. Ref. QK866.M3H5
Discussion, p. 52-55.
- 39024 COURSEY, D. G., and AIDOO, A. Ascorbic acid levels in Ghanaian yams. *J. Sci. Food Agr.* 17(10):446-449. Ref. Oct. 1966. 328 So12
- 39025 HALDEN, W. Advances in the field of nutrition research, especially milk. (Ge) *Osterr. Milchwirt.* 21(23):435-436. Dec. 7, 1966. 44.8 Os72
- 39026 LEMBKE, A. Milk and dairy products in modern nutrition. (Ge) *Molk.-Zeitung Welt Milch* 20(51/52):1615,1618. Dec. 23, 1966. 44.8 M735
- 39027 MILNER, N. Opaque-2 [maize] and world nutrition. *High Lysine Corn Conf. Proc.* 1966: 47-49. QK866.M3H5
Chiefly on protein deficiency in developing areas.
Discussion, p. 52-55.
- 39028 ROSE, R. W. Stalking the healthful herbs. *New York, McKay*, 1966. 303 p. QK93.5.R6
Herbs and wild plants as drug and food plants.
- 39029 SCHILLINGER, A. On the ascorbic acid content of acerola [*Malpighia punicifolia*] fruits and acerola powder. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(2):89-98. Ref. 1966. 384 Z39
- 39030 SWARTLING, P. Nutritive value of cheese. (Sw) *Var Naring* 43(1):23,28-29. 1966. 44.8 M692
- 39031 U. S. FEDERAL EXTENSION SERV. Milk white magic; a guide for program aides in home economics. *U. S. D. A. PA-746,2 p.* Aug. 1966. 1 Ag84Pro
Nutritive value.
- 39032 WELLHAUSEN, E. J. Opaque-2 [maize] and Latin America. *High Lysine Corn Conf. Proc.* 1966:50-51. QK866.M3H5
Human nutrition aspects.
Discussion, p. 52-55.

May 18

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FORESTRY

GENERAL

- 39033 BRAMBLE, W. C. and MILLER, F. T. Forestry. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.547-560. 1966. QH105.L6L5
Includes history and research programs.
- 39034 CHACKO, V. J. The second stage of statistics in forestry and forest products work. Indian Forest. 92(10):646-652. Oct.1966. 99.8 In2
Statistical methods.
- 39035 COMMEMORATIVE meeting of the National Forestry Society [Országos Erdészeti Egyesület] on its 100th anniversary of establishment, Sopron, August 25-27, 1966. (Hu) Erdo 15(10):433-471. Oct.1966. 99.8 Er22
- 39037 GILES, R. H. Early natural history of a forested area near Dover, Ohio. Ohio J. Sci. 66(5):469-473. Sept.1966. 410 Oh3
- 39039 HAUSER, A. The role of Karl Kasthofer in the Swiss forestry and forest history of the 19th and 20th centuries. (Ge) Schweiz. Z. Forstwesen 117(12):879-899. Ref. Dec.1966. 99.8 J82
French summary.
Includes list of publications.
- 39040 HELFMAN, R. S. A MAP [Macro Assembly Program] read-routine for IBM 7094 Fortran II binary tapes. U. S. Forest Serv. Res. Note PSW-120,3 p. 1966. A99.9 F7652
In forestry.
- 39041 HILLER, I. Egyetemi oktatók és tudományos dolgozók irodalmi munkássága, 1955-1965; bibliográfia [Literary activity of university instructors and scientific workers (1955-1965); bibliography]. Sopron, 1965. 138 p. Z5991.H5
Of the University of Forestry and Wood Industry [Erdészeti és Faipari Egyetem] in Sopron.
- 39044 JACOBS, M. R. Australia's forest products, resources and industries. Australian Timber J. Building Prod. Merchandiser 32(11):299,301-303,305-306. Dec.1966. 99.81 Au7
Includes discussion.
- 39045 KAMINSKI, E., and OSTROWSKI, S. Sphere of forestry research work in Finland. (Ge) Warsaw. Inst. Badawczy Lesnictwa Prace 290/293:245-248. 1965. 99.9 W263
- 39046 LEATHART, P. S. A forestry tour in Iceland. Quart. J. Forest. 61(1):5-24. Jan.1967. 99.8 Q2
- 39047 LEIBUNDGUT, H. Thoughts on forest research. (Ge) Schweiz. Z. Forstwesen 118(1):1-10. Jan.1967. 99.8 J82
French summary.
- 39048 NETTO, C. A. Situation of the forest economy in Portugal. (Fr) Confed. Europe. Agr. Publ. CEA 33:265-280. 1966. 28 C763
- 39049 REPORT of 1966 annual meeting—officers, staff and divisions. J. Forest. 65(1):50-60,62,64-66. Jan.1967. 99.8 F768
Society of American Foresters.
- 39051 SAMSON, N. T. Films and filmstrips on forestry. Stephen F. Austin State Coll. Tex. Dep. Forest. Bull. 7,78 p. Apr.1965. 99.9 S14
- 39052 SCHWEIZERISCHER Forstkalender [Swiss forestry almanac], 1967. Frauenfeld, Verlag, 1966. 388 p. 99.83 Sch9
- 39053 SUSKA, M. Cybernetics or automation of computer operations in forestry. (Cz) Les [Bratislava] 22:314-318. 1966. 99.8 L5632
- 39054 TOTH, M. Mechanical processing of forestry data. (Hu) Erdo 15(11):523-528. Nov.1966. 99.8 Er22
- 39055 VIDOTTO, M., and SCATTOLIN, M. Impressions from two study tours in Spain. (It) Cell. Carta 17(11):29-36. Nov.1966. 302.9 En8
English summary.
Forestry and reforestation.
- 39057 WIECKO, E. Białowieża Forest [Białowiecki Park Narodowy] in the period 1795-1918. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:287-301. 1965. 99.8 F71
English summary.

EDUCATION

- 39059 AVERY, T. E. Changing patterns in forestry education. (Extr.) J. Forest. 65(1):34-35. Jan.1967. 99.8 F768
- 39060 EK, I. Future of forestry schools. (Sw) Skogen [Stockholm] 53(6):150. Mar.17,1966. 99.8 Sk51
- 39061 GRANVIK, B. A. On the need for vocational education in forestry. (Sw) Skogsbruket 36(4):101-103. 1966. 99.8 Sk59
Finland.
- 39062 YOUNG, H. E. Mathematics, statistics and computer programming in the forestry curriculum. J. Forest. 65(1):36-37. Jan.1967. 99.8 F768

FOREST RESOURCES

- 39063 CHOATE, G. A. New Mexico's forest resource. U. S. Forest Serv. Resource Bull. INT-5,59 p.,map. Ref. 1966. A99.9 F764Ub
Rocky Mountain Forest and Range Experiment Station, cooperating.
- 39064 STEVENSON, A. D. Timber resources of the Pacific region. Australian Timber J. Building Prod. Merchandiser 32(11):155,157-161. Dec. 1966. 99.81 Au7
Includes discussion.
- 39065 U. S. FOREST SERV. National forest system, areas as of June 30, 1966. Washington, 1966. 20 p.,map. 1 F765
- 39066 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Rogue River National Forest, Oregon and California. Portland, Oregon, 1965. map. ASD428.R6A5
Text on back of map.

FOREST INFLUENCES

- 39067 CAMARGO, A. P. DE. The forests of Pontal do Paranapanema and the climate. (Por) *Agromomico* 17(11/12):24-29. Nov./Dec. 1965. 9.2 Ag894
- 39068 COOLEY, A. Windbreaks and snowshelters. *Farmbuildings* 15:44-45. Jan./Feb. 1967. 296.8 F224
Chiefly costs and designs.
- 39069 DUNKOWSKI, S. Study on the formation of thermic conditions in certain forest associations of the National Park of Bialowieza [Bialowiecki Park Narodowy]. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 290/293:121-199, map. Ref. 1965. 99.9 W263
French summary.
- 39070 FLOREZ, J. R. Deforestation and water scarcity. (Sp) *Credito Rural* (ser. 2) 172:5. Oct. 1966. 284.28 C863
El Salvador.
- 39071 LOPEZ-CADENAS DE LLANO, F. On the need for hydrologic and forest investigation. (Sp) *Montes* 22(128):117-119. Mar./Apr. 1966. 99.8 M763
- 39072 OSTROWSKI, S. Forest hydrological investigations in Sweden. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 308/310:155-163. 1966. 99.9 W263
- 39073 OSTROWSKI, S. Problems of forest water management in Austria. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 290/293:225-233. 1965. 99.9 W263
- 39074 OSTROWSKI, S. Studies on field of forest water management in Germany. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 290/293:235-244. 1965. 99.9 W263
- 39075 PELLIZZARI, C. Floods and forest plain. (It) *Rass. Agr. Ital.* 21(12):14-15. Dec. 1966. 281.8 R18
- 39076 VASIL'EV, M. E. New layout for shelterbelts for the virgin lands of western Siberia and northern Kazakhstan. (Rus) *Sber. Zh.* 5:44-49. 1965. 99.8 L28
Includes influence.
- 39077 VOROBIEV, D. N. Classification of climate on forest typological bases. (Hu) *Erdo* 15(10):472-480. Oct. 1966. 99.8 Er22
- 39078 ZELENY, V. Water balance of upper water-sheds in the Moravian Beskid Mountains. (Cz) *Vyzkumn. Ustav Melioraci. Ved. Prace* 7:243-260. Ref. 1965. S604.A1V9
English summary.
Effect of forest.

FOREST INJURIES AND PROTECTION

- 39079 BURZYNSKI, J. Problems of forest protection in France. (Pol) *Warsaw. Inst. Badawczy Lesnictwa Prace* 274/278:253-262. 1965. 99.9 W263
Research programs.
- 39080 CHEVALLIER, S. The deer; king of our forests. (Fr) *Rev. Elevage* 21(10):143-145, 147. 149. Oct. 1966. 49 B462
- 39081 PELZ, E., TEMMLOVA, B., and TESAR, V. The needle color of spruce-fir as an aid in the study of injuries from smoke. (Ge) *Biol. Zentralbl.* 85(3):325-344. Ref. May/June 1966. 442.8 B523
- 39082 PFEEFER, L. Consequences of forest injuries and related problems. (Cz) *Les [Bratislava]* 22:296-298. 1966. 99.8 L5632
Wind and snow injuries.
- 39083 WILLIAMS, C. B. Snow damage to coniferous seedlings and saplings. U. S. Forest Serv. Res. Note PNW-40, 10 p. June 1966. A99.9 F7625U

Forest Fire Prevention and Control

- 39084 BAIRD, A. W., and KAUFMAN, H. F. An experiment in the prevention of man-caused fires. *Forest Farmer* 26(4):9, 20-23. Jan. 1967. 99.8 F7692
Mississippi.
- 39085 HULL, M. K. Evaluating winds aloft by a simplified field technique. U. S. Forest Serv. Res. Note PSW-110, 9 p. 1966. A99.9 F7652
Used in operations to suppress wildland fires and to carry out prescribed burning.
- 39086 HURST, R. M. The smokejumpers. Caldwell, Idaho, Caxton Printers, 1966. 284 p., map. Ref. SD421.H8
- 39087 MICKO, R. Protecting our forests from fire damages. (Hu) *Erdogazdasag Faipar* 1: 5. Jan. 1967. 99.8 Er2

FOREST MANAGEMENT

- 39088 ABERDEEN UNIVERSITY. DEPT. OF FORESTRY. Survey of private forestry costs in Scotland; fourteenth annual report for forest year 1964-65. Aberdeen, 1966. 36 p., map. 99.9 Ab32
- 39089 AHLBACK, A. American private forestry. (Sw) *Skogen [Stockholm]* 53(6):146-147. Mar. 17, 1966. 99.8 Sk51
- 39090 BHADRAN, C. A. R. Report to the Government of Surinam on the introduction of regular forest management (with special reference to the preparation of a first working plan for the Mapane Unit of the forests of Surinam). Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2071, 82 p., map. 1965. 281.9 F733E
- 39091 BHADRAN, C. A. R. Various forestry use objectives. *Indian Forest.* 92(11):669-679. Nov. 1966. 99.8 In2
- 39092 BISZTRAY, K. After the first year in the forestry of Zemplen mountain. (Hu) *Erdogazdasag Faipar* 1:7-8. Jan. 1967. 99.8 Er2
Management.
- 39093 BORSET, O. Farm forests in Poland must not be bigger than 250 decares. (No) *Skogeieren* 7:12-13, 29. July 1966. 99.81 Sk5
- 39094 DOMINIONE, C. The chestnut area is restricted but vital. (It) *Esso Agr.* 15(6):8-9. Dec. 1966. 58.8 E57
Economic aspects of culture.
- 39095 EDMONDSON, J. T. Budgetary control in forestry. *Quart. J. Forest.* 61(1):24-31. Jan. 1967. 99.8 Q2
- 39096 EKLUND, G. Cooperation in private forestry. (Sw) *Skogsbruket* 36(1):13-14, 19-22. 1966. 99.8 Sk59
- 39097 ELMSAAR, U. Ways and means of transforming the forests on the northern shore of lake Peipus into recreation areas. (Es) *Eesti Loodus* 2:79-83. Ref. Mar./Apr. 1966. 409.6 Ee7
English summary, p. 3 of supplement.
- 39098 GOODLAND, N. Trees and the farmer. *Mod. Farmer* 3(6):20-21. Nov./Dec. 1965. 10 M723
Conservation.
- 39099 HAMPTON, H. D. The army and the national parks. *Forest Hist.* 10(3):2-17, map. Ref. Oct. 1966. 99.8 F7693
- 39100 HANSON, A. G. Industrial-owned plantations in Australia. *Timber Supply Rev.* 16(1):34-36. Jan./June 1966. 99.81 Au72
- 39101 HAUTECLOQUE, COMTE L. DE. Repercussions of population increase (demographic pressure) on the forest economy. (Fr) *Confed. Europe. Agr. Publ. CEA* 33:251-264. 1966. 28 C763

- 3.102 HERNANDEZ, O. A. Creation of an autonomous department of forestry and fauna. (Sp) Mex. Agr. 13(150):22-23. Aug.1966. 8 M5762
- 3.103 HOOL, J. N. A dynamic programming-Markov chain approach to forest production control. Forest Sci. Monogr. 12,26 p. Ref. 1966. 99.8 F76322
- 3.104 HORVATH, J. Experiences after the first year with the new profit accounting system. (Hu) Erdogazdasag Falpar 1:3-4. Jan.1967. 99.8 Er2
- 3.105 ITALY. ISTITUTO CENTRALE DI STATISTICA. Annuario di statistica forestale [Forestry statistics annual]. XVII, 1965. Roma, 1966. 191 p.,map. 261 t1155t
- 3.106 JOUBERT, A. F. Some economical aspects of growing pulpwood. S. Afr. Forest. J. 58:3-14. Sept.1966. 99.9 So82
- 3.107 KITTNER, H., and HASCHKE, P. Modern organization of management in forestry, a contribution to the subject "Technological Forest Management." (Ge) Arch. Forstwesen 15(7): 735-744. Ref. 1966. 99.9 Ar22
English summary.
- 3.108 KLUKAS, R. W., and DUNCAN, D. P. Vegetational preferences among Itasca [State] Park visitors. J. Forest. 65(1):18-21, map. Ref. Jan.1967. 99.8 F768
To determine what forest types are preferred and guide the managers in their vegetation-management efforts in Minnesota.
- 3.109 LILLANDT, S. It is time for intensive forestry. (Sw) Skogsbruket 35(12):337-338. 1965. 99.8 Sk59
Finland.
- 3.110 LUNDSTROM, E. Forestry plans for small holdings. (Sw) Skogsbruket 36(5):141-142. 1966. 99.8 Sk59
Finland.
- 3.111 MACON, J. W. On connections between research and forest management. J. Forest. 65 (1):24-28. Jan.1967. 99.8 F768
- 3.112 MANN, H. J. What does a forest cost? (Ge) Mitt. Deut. Landwirt.-Ges. 82(1):16-18. Jan.5, 1967. 18 N39
- 3.113 MARTINSON, A. D. Mount Rainier National Park: first years. Forest. Hist. 10(3):26-33. Ref. Oct.1966. 99.8 F7698
- 3.114 MARTIRANO, G. Sport and tourism in new forests. (It) Esso Agr. 15(5):18. Oct.1966. 58.8 Es7
- 3.115 MENDOZA MEDINA, R. Responsibility of professional foresters in the management of the national forests. (Sp) Mex. Agr. 13(150):18-19. Aug.1966. 8 M5762
- 3.116 NORWAY. SKOGVESENET. Arsmelding [Annual report of the Forestry Board], 1964. Oslo, 1966. 80 p. 99.9 N83
- 3.117 NOVA SCOTIA. DEPT. OF LANDS AND FORESTS. Interim report, fiscal year ending March 31, 1966 by E. D. Haliburton. n.p., 1966. 30 p. 99.9 N85
- 3.118 ORMROD, P. Forestry, public recreation and national parks. Quart. J. Forest. 61(1):58-64. Jan.1967. 99.8 Q2
- 3.119 OSWALD, D. D., and WALTON, G. S. Forest statistics for Del Norte County, California, 1965. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-5,12 p. 1966. aSD11.A3
- 3.120 PETRO, J. Problems of the construction of recreational facilities in forests. (Cz) Les [Bratislava] 22:306-308. 1966. 99.8 L5632
- 3.121 PIZZIGALLO, V. Technique and politics in forestry progress. (It) Cell. Carta 17(11):10-12. Nov.1966. 302.9 En8
English summary.
- 3.122 PRONI, G. Economic developments of the new specialized poplar culture in the Lombardy-Piedmont plain. (It) Riv. Econ. Agr. 21(2):11-21. 1966. 281.8 R52
English summary.
Management and costs.
- 3.123 PUHAKKA, P. Before the conference of forestry workers. Land Labour 7(5/6):11-15. Sept./Dec.1966. 283.8 L224
- 3.124 QUEENSLAND. DEPT. OF FORESTRY. Annual report for the year 1965-66. Brisbane, 1966. 27 p. 99.9 Q312
- 3.125 RAO, P. S. Tree bank for every village. Indian Forest. 92(10):632-633. Oct.1966. 99.8 In2
- 3.126 RUMSEY, F. Economics of forestry; a bibliography for the United States and Canada, 1955-1959. N. Y. State Univ. Coll. Forest. Bull. 45,136 p. May 1964. 99.9 M486Bu
- 3.127 SCHMITZ, A. Plantation de pins dans le Haut-Katanga [Pine plantation in Upper Katanga]. Inst. Nat. Etude Agron. Congo. Publ. Ser. Tech. 74,104 p.,map. Ref. 1966. 24 In7P
Management.
- 3.128 SCHUT, E. S. J., and TROMP, P. H. M. Liempde and forestry. (Du) Ned. Heidemaatsch. Tijdschr. 77(12):432-439. Dec.1966. 12 N282
Equipment demonstration.
- 3.129 SINDEN, J. A. The optimum forest size in a budget framework. Commonwealth Forest. Rev. 45(4):338-345. Dec.1966. 99.8 Em72
- 3.130 TABER, R. D. Land use and native cervid populations in America north of Mexico. Mont. Forest Conserv. Exp. Sta. Bull. 29:201-225, map. Ref. Jan.1966. 99.9 M765B
Chiefly forest and grazing land use.
Reprinted from Transactions of the Vith Congress, International Union of Game Biologists.
- 3.131 VAN NIEKERK, G. C. O. Stumpage value of pulpwood with special reference to site quality and return on capital. S. Afr. Forest. J. 58:15-20. Sept.1966. 99.9 So82
- 3.132 VILLASENOR, R. Units of forest management. (Sp) Mex. Agr. 13(150):25-27. Aug.1966. 8 M5762
- 3.133 VIRO, P. J. Views on the economy of forest fertilizing. (Sw) Skogsbruket 36(5):133-136. 1966. 99.8 Sk59
Finland.
- 3.134 WILL, R. B. Rural banks focus on forestry. Ohio Woodlands 5(2):7-9. Feb./Apr.1967. 99.8 Oh34
- 3.135 WINKELMANN, H. G. Forest management advice; retrospect and outlook. (Ge) Schweiz. Z. Forstwesen 118(1):22-34. Jan.1967. 99.8 J82
French summary.
- 3.136 WORTHINGTON, N. P. Labor requirements in thinning Douglas-fir and western hemlock on two experimental forests in western Washington. U. S. Forest Serv. Res. Note PNW-43, 12 p. Sept.1966. A99.9 F7625U

Forest Description and Mensuration

- 3.137 AMERICAN SOCIETY OF PHOTOGRAMMETRY. Manual of photogrammetry, edited by M. M. Thompson. Ed. 3. Falls Church, Virginia, 1966. 2 v. TA593.A4
Includes forestry application.
- 3.138 BRAASTAD, H. Volume tables for birch. (No) Norway. Skogforsoksv. Medd. 78:23-78. Ref. 1966. 99.9 N833
English summary.
Betula verrucosa and B. pubescens.
- 3.139 CHMIELEWSKI, W., JANSON, I., and KOCIECKI, S. Effect of planting density of Scotch pine on the development of the seedlings. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 308/310:131-141. 1966. 99.9 W263
- 3.140 CHMIELEWSKI, W., JANSON, I., and KOCIECKI, S. Investigations on one-year old Scotch pine seedlings of various origin. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 308/310: 117-129. 1966. 99.9 W263
Mensuration studies.

- 39141 CURTIS, R. O. A formula for the Douglas-fir total cubic-foot volume table from Bulletin 201. U. S. Forest Serv. Res. Note PNW-41, 8 p. July 1966. A99.9 F7625U
- 39142 DENISOV, A. K. Age structure and development of virgin oak forests. (Rus) Les. Zh. 5: 34-36. 1965. 99.8 1z8
Measurement data.
- 39143 FRAYER, W. E., and BARNARD, J. E. Average growth rates in southern Maine. U. S. Forest Serv. Res. Note NE-47, 8 p., map. 1966. A99.9 F7622U
- 39144 HEINSDLIJK, D., and BASTOS, A. DE M. Report to the Government of Brazil on forest inventories in the Amazon. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2080, 78 p., map. 1965. 281.9 F733E
- 39145 HEISKANEN, V. Puiden paksuuden ja nuoruuden kehityksen sekä oksaisuuden ja sahapuulaadon valistusta tukevista tutkimuksista. On the relations between the development of the early age and thickness of trees and their branchiness in pine stands. Acta Forest. Fenn. 80 (2), 62 p. Ref. 1966. 99.8 F492
English summary.
- 39146 HUIE, J. M. Alabama timber for a growing forest industry. Auburn Univ. Ext. Circ. M-14, 88 p., map. Aug. 1966. 275.29 AL14Cm
Supported by grant from Economic Development Administration, U. S. Department of Commerce.
- 39147 HUNGER, W. On the course of growth and nutrition state of older pure spruce stands on pseudogley sites of the Saxon hill country. (Ge) Arch. Forstwesen 15(7):699-724, map. Ref. 1966. 99.8 Ar22
English summary.
- 39148 KNIGHT, H. A., and MCCLURE, J. P. North Carolina's timber. U. S. Forest Serv. Resource Bull. SE-5, 47 p., map. 1966. A99.9 F7623Ub
Cruising.
- 39149 LEMKE, J. On the exactness of diameter increment determination in breast height. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:245-263. Ref. 1965. 99.8 F71
German summary.
- 39150 MATERN, B. The statistical principles in the national forest inventories of the Nordic countries. (Ge) Arch. Forstwesen 15(7):795-806. Ref. 1966. 99.8 Ar22
English summary.
Finland, Norway and Sweden.
- 39151 NELSON, R. A. The foresters stick. Ohio Woodlands 5(2):17. Feb./Apr. 1967. 99.8 Oh34
For mensuration.
- 39152 NELSON, R. E., and HONDA, N. Plantation timber on the Island of Hawaii, 1965. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-3, 52 p., map. 1966. aSD11.A3
Division of Forestry, Department of Land and Natural Resources, State of Hawaii, cooperating.
Survey of resources.
- 39153 OSWALD, D. D., and HORNIBROOK, E. M. Commercial forest area and timber volume in California, 1963. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-4, 16 p. 1966. aSD11.A3
Inventory of resources.
- 39154 PERRY, T. O., WANG, C. W., and SCHMITT, D. Height growth for loblolly pine provenances in relation to photoperiod and growing season. Silvae Genet. 15(3):61-64. Ref. May/June 1966. 99.8 Z36
- 39155 PHILLIPS, J. J. Site index of yellow-poplar [Liriodendron tulipifera] related to soil and topography in southern New Jersey. U. S. Forest Serv. Res. Pap. NE-52, 10 p. 1966. A99.9 F7622Un
- 39156 PLEINES, W. Value of counting new growths. (Fr) Schweiz. Z. Forstwesen 118(1):11-21. Jan. 1967. 99.8 J82
German summary.
- 39157 RAZIN, G. S. Changes in the site class and stocking of a stand in relation to age. (Rus) Les. Zh. 5:37-39. 1965. 99.8 1z8
- 39158 RODENBACH, R. C. Southern yellow pine log overruns. U. S. Forest Serv. Res. Note SE-56, 2 p. June 1966. A99.9 F7623Un
Log scaling.
- 39159 ROE, A. L., and BENSON, R. E. Evaluating growth performance of young stands. U. S. Forest Serv. Res. Note INT-44, 7 p. 1966. A99.9 F764U
- 39160 RYMER-DUDZINSKA, T. Investigations on the relation between stem-breast height form factor and bark volume in pine stands. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:265-286. 1965. 99.8 F71
German summary.
- 39161 SANDRASEGARAN, K. Permanent sample plot information on stocking, growth and yield of Maesopsis eminii Engl. Kepong. Forest. Res. Inst. Res. Pam. 49, 23 p. Ref. Sept. 1966. 99.8 K48R
- 39162 SAYN-WITTGENSTEIN, L., and ALDRED, A. H. Tree volumes from a large-scale photos; forest inventories in which a small sample of precisely measured individual trees may replace ground work. Photogram. Eng. 33(1):69-73. Ref. Jan. 1967. 325.28 P56
- 39163 SNYDER, B. E. Use of jumpers in forest inventory work. J. Forest. 65(1):33. Jan. 1967. 99.8 F768
- 39164 VAN LEAR, D. H., and HOSNER, J. F. Correlation of site index and soil mapping units: poor for yellow-poplar in southwest Virginia. J. Forest. 65(1):22-24. Ref. Jan. 1967. 99.8 F768
- 39165 WOLSKI, J. Guiding principles for selecting sample trees representative for investigated pine stands, and the determination of sample trees number. (Pol) Poland. Inst. Tech. Drewna. Prace 12(1):87-103. Ref. 1965. 99.9 P752
English summary.
- 39166 ZVIEDRIS, A. Dynamics of diameter increment in thinned stands. (Rus) Les. Zh. 5:169-170. 1965. 99.8 1z8

Policies and Programs

- 39167 ASHRAF, M. M. The import and implementation of national forest policy of Pakistan. Diss. Abstr., Sect. B, 27(1):14B. July 1966. Z5055.U49D53
- 39168 BUNSOW, R. Regional forestry planning in Gavelborg Province. (Sw) Gavelborgs Lans Hushallningssallsk. Lantbrukstidskr. 42(3):11-14. 1966. 11 G24L
- 39169 NAVARRO, N. P. Forest policy of the present Government. (Sp) Mex. Agr. 13(150):13-15. Aug. 1966. 8 M5762
- 39170 PRUVOST, P. Forestry policy, plans and programs. (Fr) Cah. Ingen. Agron. 209:11-19. (Cont.) Oct. 1966. 14 C112
- 39171 PRUVOST, P. Forestry policy, plans and programs. (Fr) Cah. Ingen. Agron. 210:9-16. (Concl.) Nov. 1966. 14 C112
- 39172 USDA Forestry Planning Committee. Forest Farmer 26(4):14, 19. Jan. 1967. 99.8 F7692

Legislation and Taxation

- 39173 FLORES CALDERON, E. Forest taxes should be covered by the total usable volume. (Sp) Mex. Agr. 13(150):24. Aug. 1966. 8 M5762
- 39174 SIKORA, B. Swedish forest taxation methods. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 303/307:149-161. 1966. 99.9 W263
- 39175 STEENSEN, D. H. J., and YOHO, J. G. The impact of death taxes on timber operations. Forest Farmer 26(4):6-7, 18. Jan. 1967. 99.8 F7692
Estate and inheritance taxes.

FOREST PRODUCTS AND UTILIZATION

Lumbering and Logging

- 39176 ALFARO GONZALEZ, A. Forest crafts in Mexico. (Sp) Mex. Agr. 13(150):29-32. Aug. 1966. 8 M5762
- 39177 AUSTRALIA COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, DIV. OF FOREST PRODUCTS. Annual report. I. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 335:3,6-7. Nov.1966. 99.9 Au722F
- 39178 BADGE, W. C. L. Product presentation and packaging. Australian Timber J. Building Prod. Merchandiser 32(11):268-269,271-273, 275. Dec.1966. 99.81 Au7
Includes discussion.
- 39179 BARNES, D. Promotion. Australian Timber J. Building Prod. Merchandiser 32(11):370-375. Dec.1966. 99.81 Au7
Forest products.
Includes discussion.
- 39180 CANADA, BUR. OF STATISTICS. Miscellaneous wood industries, 1964. Ottawa, 1967. 31 p. (Annual Census of Manufactures) 253 C335Miw
Text also in French.
- 39181 CZEREYSKI, K. Effectiveness of the use of transportation equipment in the delivery of split and not split stump wood. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:43-58. 1965. 99.9 W263
German summary.
- 39182 DIRECTORY of the forest products industry, 1967, 48th annual edition. Portland, Oregon, Miller Freeman Publications, 1967. 563 p. 225 W524
- 39183 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of forest products statistics, 1966. Rome 1966. 144 p. 99.9 V3
Text also in French and Spanish.
- 39184 GULDBERG, H. H. Economic and market research in the timber industry. Australian Timber J. Building Prod. Merchandiser 32(11):179-181,183-185,187-188. Dec.1966. 99.81 Au7
Forest products of Australia.
Includes discussions.
- 39185 HOFFMEISTER, B. M. Pathway to profit—production. Australian Timber J. Building Prod. Merchandiser 32(11):104-105,108-111,113,115-117,119-121,123. Dec.1966. 99.81 Au7
Forest industries of British Columbia.
Includes discussion.
- 39186 KRZYSIK, F. Organizational and scientific achievements of wood industry in the years 1946—1966. (Pol) Sylwan 110(10):25-34. 1966. 99.8 Sy52
English summary.
- 39187 LLOYD, C. R. Report on Timber Development Council of Australia activities. Australian Timber J. Building Prod. Merchandiser 32(11):393,395,397-399. Dec.1966. 99.81 Au7
- 39188 MANILA, UNIVERSITY OF THE PHILIPPINES. FOREST PRODUCTS RESEARCH INSTITUTE. Annual report of accomplishments for fiscal year 1965—1966; submitted by M. R. Monsalud. n.p., 1966. 23 p. 99.9 M37
- 39189 MANILA, UNIVERSITY OF THE PHILIPPINES. FOREST PRODUCTS RESEARCH INSTITUTE. Research program for industrial development, 1966—1967. n.p., 1966. 170 p. 99.9 M312
- 39190 MCPHAIL, C. D. Wholesalers, resellers, where are you? Australian Timber J. Building Prod. Merchandiser 32(11):344-345,347-349, 351. Dec.1966. 99.81 Au7
Forest products.
Includes discussion.
- 39191 SACZUK, B. Investigation on the possibilities of integration of forestry and agricultural transportation. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:5-94. Ref. 1965. 99.8 F71
German summary.
- 39192 ATKINSON, W. A., and HALL, D. O. Clearcut harvesting costs and production rates for young-growth mixed-conifer stands. U. S. Forest Serv. Res. Note PSW-114,2 p. 1966. A99.9 F7652
California.
- 39193 CHIRIBAU, V., and OSTROWSKI, R. Aspects of timber barking in Rumania. (Fr) Food Agr. Organ. U.N. Europe. Forest. Comm. FAO/ECE/LOG/162:208-220. 1966. 99.9 F73Fe
English summary.
In the woods.
- 39194 CIGEN, A. Tractor mounted or mobile crane—what pays best? (Sw) Jord Skog 17(10):38-39. 1965. 58.8 M373
Log transportation.
- 39195 CZEREYSKI, K. Evaluation of wood production method by uprooting of trees. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:5-42. Ref. 1965. 99.9 W263
German summary.
- 39196 CZEREYSKI, K., DZIUBAK, W., and STARCZEWSKI, S. Testing of resistance in logging by uprooting of trees. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:59-71. 1965. 99.9 W263
German summary.
- 39197 DOYLE, D. V., and MARKWARDT, L. J. Properties of southern pine in relation to strength grading of dimension lumber. U. S. Forest Serv. Res. Pap. FPL-64,62 p.,map. July 1966. A99.9 F7634U
- 39198 DZIUBAK, W., and STARCZEWSKI, S. Testing of resistance in skidding full tree and tree-length logs and experiment in determination of power requirements. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:73-87. 1965. 99.9 W263
German summary.
- 39199 ECKERT, K. H. Particularities of the forest-utilisation in Chile. (Ge) Arch. Forstwesen 15(7):775-794. 1966. 99.8 Ar22
English summary.
- 39200 GULIDOV, S. V. Determination of the forces in the longitudinal cables of a cigar-shaped raft in a static position on a wave. (Rus) Les. Zh. 5:88-93. 1965. 99.8 Iz8
- 39201 JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Symposium on mechanical barking of timber, Helsinki, 1965. Volume 1. New York, 1966. 220 p. Ref. 99.9 F73Fe
Papers in English or French.
- 39202 KAMINSKI, E., and KORZENIOWSKI, A. Investigations on industrial use of pine wood obtained by tree uprooting experiments. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:119-137. 1965. 99.9 W263
German summary.
In relation to mechanical properties.
- 39203 KANZAKI, K. A planning of the forest road network by the theory of graphs. Jap. Forest. Soc. J. 48(10):365-371, map. Ref. Oct.1966. 99.8 N62
- 39204 KATAOKA, H. Yarding method to lift and haul stand trees. III. The operational efficiency of loading and hauling operation. (Jap) Jap. Forest. Soc. J. 48(10):372-375. Oct.1966. 99.8 N62
- 39205 LYSONS, H. H. Compatibility of balloon fabrics with ammonia. U. S. Forest Serv. Res. Note PNW-42,9 p. Sept.1966. A99.9 F7625U
In balloon logging.
- 39206 MONKIEL EWICZ, L., and GALINSKA, I. Investigations on work expenditure, performance and cost in logging fresh pine stump wood. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 294/299:81-118. Ref. 1965. 99.9 W263
German summary.

- 39207 RENNER, L., and UHORSKAI, O. Uvol'novanie zavesenych stromov [Logging of hanging trees]. V Bratislave, Slovenske Vydavatel'stvo Podo-hospodarskej Literatúry, 1966. 146 p. Ref. SD538.R4
Includes sawing and hauling.

- 39208 RONAY, E. Accessibility of mountain regions from the point of technology of production of logs. (Cz) Les [Bratislava] 22:310-314. 1966. 99.8 L5632
Includes roads and transportation.

- 39209 SUNDBERG, U. Problems of transporting and handling timber from the forest to the sawmill. (Fr) Rev. Int. Prod. Trop. 41(434/436):2-7. Dec.1965/Feb.1966. 286.8 R326

- 39210 THUNELL, B. The effect of feed and blade thickness on the accuracy of frame saws. (Ge) Holz Roh- Werkstoff 24(10):516-520. Ref. Oct.15,1966. 99.81 H74
English summary.

Sawmills

- 39211 BERLYN, R. W. The effect of variations in the strength of the bond between bark and wood on mechanical barking. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162: 12-37. 1966. 99.9 F73Fe
In sawmills.

- 39212 BERLYN, R. W. Some standards of bark removal in North America. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162: 202-207. 1966. 99.9 F73Fe
In sawmills.

- 39213 BUTZOW, B. Barking standards; the standard of barking required by different industries. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:170-175. 1966. 99.9 F73Fe

- 39214 HARTLER, N. The standard of barking required by the pulp industry. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:176-186. 1966. 99.9 F73Fe

- 39215 IRELAND, R. D. Production control. Australian Timber J. Building Prod. Merchandiser 32 (11):307,309-310. Dec.1966. 99.81 Au7
Includes sawmilling.

- 39216 JUSTSUK, E. The standard of barking required for pulpwood, logs and poles. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:187-201. Ref. 1966. 99.9 F73Fe

- 39217 NISKALA, G. R., and CHURCH, T. W. Cutting hardwood cants can boost sawmill profits. U. S. Forest Serv. Res. Note NE-46,8 p. 1966. A99.9 F7622U
West Virginia.

- 39218 SOBOLEV, I. V., and GONCHARENKO, N. A. Algorithm for planning the breaking down of sawlogs. (Rus) Les. Zh. 5:154-161. 1965. 99.8 L28

- 39219 SZEPESI, L. New power saws on the world market. (Hu) Erdogazdasag Faipar 20(12):10-12. Dec.1966. 99.8 Er2

Processing and Woodworking

- 39220 DRESSLER, R. A. How to thread a dowel to make wooden screws. Woodworking Dig. 68(7): 33-34. July 1966. 99.82 W87

- 39221 REINSCH, H. H. Foreign woodworking machines. (Ge) Holztechnik 46(12):556-558,560, 562. Dec.1966. 99.82 H745

- 39222 ZYTECKI, Z. A comparative, technical and economic study on woodworking industries of Poland and Yugoslavia. (Pol) Sylwan 110(10): 35-45. 1966. 99.8 Sy52
English summary.

Seasoning, Conditioning, and Finishing

- 39223 CHUDNOFF, M., MALDONADO, E. D., and GOYTIA, E. Solar drying of tropical hardwoods. U. S. Forest Serv. Res. Pap. ITF-2, 26 p. Ref. Apr.1966. A99.9 F7637
University of Puerto Rico, cooperating.
Comparison between air- and kiln-drying.

- 39224 CLAXTON, H. D. Computer simulation of kiln drying. West. Dry Kiln Clubs, 18th Annu. Meeting:55-61. 1966. 99.9 W5233

- 39225 COOK, F. Relationship of veneer drying to lumber drying. West. Dry Kiln Clubs, 18th Annu. Meeting:62-67. 1966. 99.9 W5233

- 39226 CUPPETT, D. G. Air-drying practices in the central Appalachians. U. S. Forest Serv. Res. Pap. NE-56,19 p. Ref. 1966. A99.9 F7622UN
Lumber.

- 39227 DALE, F. A. Good housekeeping and timber preservation. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 335: 1-3. Nov.1966. 99.9 Au722F
Chiefly on air drying pretreatment measures.

- 39228 HUSAN, M. S., and WALLIN, W. B. Analysis of steam-drying prior to treatment of green gurjan (Dipterocarpus spp.) metre-gauge sleepers. Commonwealth Forest. Rev. 45(4):345-354. Ref. Dec.1966. 99.8 Em72

- 39229 LAPSHIN, YU. G. Surface stress during initial period of wood drying. (Rus) Les. Zh. 5:119-123. 1965. 99.8 L28

- 39230 LOWERY, D. P., and KIMBALL, K. E. Quality of high-temperature drying. West. Dry Kiln Clubs, 18th Annu. Meeting:9-18. 1966. 99.9 W5233

- 39231 MACOMBER, D. Effects of kiln drying on the planing of lumber. West. Dry Kiln Clubs, 18th Annu. Meeting:89-98. 1966. 99.9 W5233

- 39232 RAFALSKI, J., and WOJCIECHOWSKA, A. Steaming of beech laths used for mosaic parquet production. (Pol) Poland. Inst. Tech. Drewna, Prace 12(4):61-91. Ref. 1965. 99.9 P752
English summary.

- 39233 RESCH, H., and ECKLUND, B. A. Cam operated kiln control system. West. Dry Kiln Clubs, 18th Annu. Meeting:19-22. 1966. 99.9 W5233

- 39234 RESCH, H. Preliminary technical feasibility study on the use of microwaves for the drying of redwood lumber. West. Dry Kiln Clubs, 18th Annu. Meeting:99-119. 1966. 99.9 W5233

- 39235 RICE, W. W. Virola's problems unmasked. Woodworking Dig. 68(8):26-30. Aug.1966. 99.82 W87

- Drying characteristics of Dialyanthera wood.

- 39236 RIETZ, R. C., and JENSON, J. A. News and views of this kiln drying business: presurfacing green oak lumber to reduce surface checking. U. S. Forest Serv. Res. Note FPL-0146, 2 p. Sept.1966. A99.9 F7634UN

- 39237 SALAMON, M. The effect of air-velocity in dry kilns upon the drying rate and final moisture content. West. Dry Kiln Clubs, 18th Annu. Meeting:36-54. Ref. 1966. 99.9 W5233

- 39238 SAMAD, A., and WALLIN, W. B. A case example of the application of statistical models to research on wood drying. Commonwealth Forest. Rev. 45(4):354-359. Dec.1966. 99.8 Em72

- 39239 SMITH, H. H. Experimental design in dry kiln research. West. Dry Kiln Clubs, 18th Annu. Meeting:29-34. 1966. 99.9 W5233

- 39240 WESTERN DRY KILN CLUBS. 18th annual meeting, May 12-13, 1966, Eureka, California. n.p., 1966. 119 p. 99.9 W5233
Papers presented.

Wood Preservation and Damage

- 39241 AMERICAN WOOD-PRESERVERS' ASSOCIATION. Directory of members (complete to September 30, 1966). Amer. Wood-Preserv. Ass. Proc. 62:355-370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394. 1966. 300.9 Am3
- 39242 AMERICAN WOOD-PRESERVERS' ASSOCIATION. Proceedings, sixty-second annual meeting, Houston, Texas, April 25, 26 and 27, 1966, Volume 62. Washington, D. C., 1966. 473, map. Ref. 300.9 Am3
- 39243 ARSENAULT, R. D. A rational method of establishing preservative retention requirements for wood poles. Amer. Wood-Preserv. Ass. Proc. 62:132-147. 1966. 300.9 Am3
Includes discussion.
- 39244 AUSTRALIA COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Service tests of fence post treatments in New South Wales using *Eucalyptus pilularis*, *E. grandis* and *E. maculata* round fence posts. Final report, by J. E. Barnacle and J. Beesley. South Melbourne, 1966. 25 p. (Project P.4, Sub-project P.4-3, Experiment P.4-3/1.) 300 Au7Ser
- 39245 BECKER, H. Chemical and technical properties of modern wood preservatives for building construction (a literature review). (Ge) Seifen-Ole-Fette-Wachse 92(26):991-1009. Ref. Dec. 21, 1966. 307.8 Se4
English summary.
- 39246 BRAMHALL, G. A comparison of the assay and multiple boring methods of inspecting Douglas-fir marine piling. Amer. Wood-Preserv. Ass. Proc. 62:252-264. 1966. 300.9 Am3
Includes discussion.
- 39247 BRUCE, W. E. The British Wood Preserving Association. Amer. Wood-Preserv. Ass. Proc. 62:213-218. 1966. 300.9 Am3
Includes discussion.
- 39248 COLLEY, R. H., BURCH, J. E., and DAVIES, D. L. 1959 cooperative marine piling project. 1. Marine-block preservative evaluation experiments. Amer. Wood-Preserv. Ass. Proc. 62:21-29. 1966. 300.9 Am3
Control of marine borers.
Includes discussion.
- 39249 GILL, T. G., and COREY, E. A. Wood preservation statistics 1965. Amer. Wood-Preserv. Ass. Proc. 62:305-340, map. 1966. 300.9 Am3
- 39250 KARANDE, A. A. Timber, *Tetrameles nudiflora* R., resistant to teredid borers in Bombay harbour. Nature 213(5071):105. Jan. 7, 1967. 472 N21
- 39251 LIESE, W., and SCHMID, R. On the decomposition of softwood cell walls by *Trametes pini*. (Ge) Holz Roh- Werkstoff 24(10):454-460. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 39252 RAJDERKAR, N. R. Decay of wood by *Alternaria* and *Penicillium* and chief methods of control. Mycopathol. Mycol. Appl. 30(2):149-151. Nov. 10, 1966. 450 M994
- 39253 ROBINSON, T. G. The preservation of timber. Australian Timber J. Building Prod. Merchandiser 32(11):203, 205, 207-209, 211. Dec. 1966. 99.81 Au7
Includes discussion.
- 39254 ROCHE, J. N. Wood preserving knocks on college doors. Amer. Wood-Preserv. Ass. Proc. 62:286-289. 1966. 300.9 Am3
Includes discussion.
- 39255 SCHANEL, L. Formation of red pigment wood decay caused by white-rot fungi. *Experientia* 22(8):517-518. Aug. 15, 1966. 475 Ex7
Trametes versicolor, *T. gibbosa* and *Fomes marginatus*.
- 39256 SINGH, B. Studies on Indian *Poria*. II. Diagnosis of five species as new records. Indian Forest. 92(11):680-683. Nov. 1966. 99.8 In2
Causing decay in wood.
- 39257 SPLAWA-NEYMAN, S. Effect of chemically stimulated resin tapping of pine on the occurrence and development of blue stain. (Pol) Poland. Inst. Tech. Drewna. Prace 12(2):3-24. Ref. 1965. 99.9 P752
English summary.
- 39258 STASSE, H. L. A study of creosote treatment of seasoned and green southern pine poles. 10. Amer. Wood-Preserv. Ass. Proc. 62:265-285. 1966. 300.9 Am3
Includes discussion.
- 39259 STOLARSKI, P. Effect of summer felling on the development of blue stain in pine lumber. (Pol) Poland. Inst. Tech. Drewna. Prace 12(4):27-47. Ref. 1965. 99.9 P752
English summary.
- 39260 TAMBLYN, N. Natural durability ratings. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 335:8. Nov. 1966. 99.9 Au72F
- 39261 TAROCINSKI, E. Investigation on internal blue stain occurring in pine sawn timber in dependence on felling time and methods of wood treatment with chemicals. (Pol) Poland. Inst. Tech. Drewna. Prace 12(1):55-86. Ref. 1965. 99.9 P752
English summary.
Caused by *Discula pinicola*.
- 39262 URBANIK, E. Effect of hydrophobic agents on the efficiency of preserving spruce wood against moulds. (Pol) Poland. Inst. Tech. Drewna. Prace 12(4):3-14. 1965. 99.9 P752
English summary.
- 39263 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Defect estimation for grand fir [*Abies grandis*], Engelmann spruce [*Picea engelmannii*], Douglas-fir [*Pseudotsuga menziesii* glauca], and western larch [*Larix occidentalis*] in the Blue Mountains of Oregon and Washington, by P. E. Aho. Portland, Oregon? 1966. 26 p., map. ASD144.A13A4
Wood decay caused by *Echinodontium tinctorum* and *Fomes pini*.
- 39264 VASIL'EV, O. A. Effect of microorganisms on wood of pine and spruce kept in water. (Rus) Les. Zh. 5:110-118. Ref. 1965. 99.8 Iz8
Bacterial deterioration.
- 39265 WILSON, J. A. Fire retardant treated lumber and the FM construction materials calorimeter. Amer. Wood-Preserv. Ass. Proc. 62:205-212. 1966. 300.9 Am3
Includes discussion.

Lumber and Rough Products

- 39266 CADE, J. R. Action in the tie market. Cross Tie Bull. 47(12):14, 16, 18-19, 22, 24. Dec. 1966. 99.82 C87
- 39267 CASNOCHA, P. Stacking sawn logs and transportation by rail. (Cz) Les [Bratislava] 22: 299-301. 1966. 99.8 L5632
- 39268 DZIEWANOWSKI, R. Comparative analysis of the quality of pine saw timber derived from different regions in Poland. (Pol) Poland. Inst. Tech. Drewna. Prace 12(1):3-53. Ref. 1965. 99.9 P752
English summary.
- 39269 FARRELL, J. R. New lumber standards proposed. Constructor 48(11):34-35. Nov. 1966. 290.8 C764
- 39270 HICKMAN, L. A discussion of lumber sizes related to moisture content and drying quality control. West. Dry Kiln Clubs, 18th Annu. Meeting:74-83. 1966. 99.9 W5233
- 39271 HOBBS, L. H., and THOMASON, R. E. Lumber and chip production: a new approach. N. C. Univ. Ext. Agr. Econ. Misc. Publ. 22, 40 p. Jan. 1967. 281.9 N816M
Raleigh, Wood Products Extension Section, North Carolina State University, 1966.
- 39272 HOWARD, R. E. "The old cross tie goes on—and on." Cross Tie Bull. 47(12):9-12, 25. Dec. 1966. 99.82 C87
Handling.

- 39273 LADKIN, N. S. Quality control and grading; a panel presentation. Australian Timber J. Building Prod. Merchandiser 32(11):320-321, 323-328. Dec.1966. 99.81 Au7
Chairman: S. G. Smith; panel members: N. S. Ladkin, L. H. Bryant, and B. J. Sullivan.
Lumber and plywood.
Includes discussion.
- 39274 MAGEE, G. M. Second progress report of co-operative research on wood ties. Cross Tie Bull. 48(1):17-20, 22-25. Jan.1967. 99.82 C87
- 39275 MURRAY, K. O. Promotion through Timber Development Association. Australian Timber J. Building Prod. Merchandiser 32(11):387,389-391. Dec.1966. 99.81 Au7
- 39276 NAGLE, G. S., and MANTHY, R. S. The market for fireplace wood in an urban area of Connecticut. U. S. Forest Serv. Res. Pap. NE-51, 16 p. 1966. A99.9 F7622U
- 39277 PLASTRE, C. J. Mixed hardwoods and low-land oak crossties. Cross Tie Bull. 47(12):31-34. 1966. 99.82 C87
- 39278 RAILWAY TIE ASSOCIATION. COMMITTEE ON RESEARCH AND PRODUCT DEVELOPMENT. Report of RTA committee on research and product development. Cross Tie Bull. 47(12):25-27. 1966. 99.82 C87
- 39279 SIEK, M. Establishing of proper shrinking allowance for oak lumber. (Pol) Poland. Inst. Tech. Drewna. Prace 12(4):15-26. 1965. 99.9 P752
English summary.
- 39280 SMITH, R. C. When is a dollar more than a dollar? Cross Tie Bull. 47(11):45-50. Nov. 1966. 99.82 C87
Railway tie industry.
- 39281 VAKHRUSHEV, M. M. Calculation on a log bundle with a flexible binding, lying on a flat surface. (Rus) Les. Zh. 5:50-59. 1965. 99.8 Iz8
- 39282 WALLIN, G. New instruments for size measurement of boards in large series. (Sw) Norsk Skogindus. 20(12):503-506. Dec.1966. 99.82 N81
- 39283 WAYMAN, P. There is no general crosstie shortage. Cross Tie Bull. 48(1):13-15. Jan. 1967. 99.82 C87
- 39284 WYATT, L. Marketing timber. Australian Timber J. Building Prod. Merchandiser 32(11):124-126, 129-131, 133-134, 137. Dec.1966. 99.81 Au7
Includes discussion.
- Construction
- 39285 MONCK, W. Construction of standardized nailed roof trusses in the U.S.A. (Ge) Holzindustrie 19(11):310-314. Nov.1966. 99.82 H742
- 39286 STOKES, J. G. Timber engineering. Australian Timber J. Building Prod. Merchandiser 32(11):212, 216-217, 219-221. Dec.1966. 99.81 Au7
Includes discussion.
- Veneers, Plywood, and Adhesives
- 39287 EGNER, K., and KOLB, H. Investigations on the aging of glues for supporting structural wooden elements. (Ge) Holz Roh- Werkstoff 24(10):439-442. Oct.15, 1966. 99.81 H74
English summary.
- 39288 MERILUOTO, J. Raaka-ainetekijoiden vaikutus sorvatun koivuviulun maaraan ja laatuun. The influence of raw material factors on the quantity and quality of rotary cut birch veneer. Acta Forest. Fenn. 80(1), 155 p. Ref. 1966. 99.9 F492
English summary.
- 39289 MOREY, C. L. Marketing plywood. Australian Timber J. Building Prod. Merchandiser 32(11):138-139, 141-143, 145-147, 149-151. Dec.1966. 99.81 Au7
Includes discussion.
- 39290 SPROTT, T. J. Some experiences in the manufacture and marketing of heavy laminates. Australian Timber J. Building Prod. Merchandiser 32(11):258-259, 261-262, 265, 267. Dec.1966. 99.81 Au7
Includes discussion.
- Pulp and Paper
- 39291 AALL, N. F. Norwegian industry's market problems. (No) Norsk Skogindus. 20(12):496-502. Dec.1966. 99.82 N81
Includes pulp trade.
- 39292 BRANTON, R. A pulp and paper technology course. Pulp Pap. Mag. Can. 2(1):111-112. Jan.1967. 302.8 P96
At the Dept. of Chemical Engineering, University of British Columbia.
- 39293 CANADA. BUR. OF STATISTICS. INDUSTRY DIV. Pulp and paper mills, 1964 (annual census of manufactures). Ottawa, 1966. 25 p. 302.9 C162
Text also in French.
- 39294 CHAWLA, J. S., and GANDOTRA, M. M. Fir saw dust as a source of cellulosic raw material for pulping. Indian Pulp Pap. 21(5):347, 349-351. Nov.1966. 302.8 In23
- 39295 DYMALSKI, E. Effect of storage conditions on the technical value of pulpwood. (Pol) Poland. Inst. Tech. Drewna. Prace 12(2):47-74. Ref. 1965. 99.9 P752
English summary.
Includes decay study.
- 39296 GARDNER, H. R. An evaluation of selected factors influencing the location of additional sulfate pulp processing facilities in northwest Louisiana. Diss. Abstr., Sect. A, 27(5):1159A. Nov.1966. Z5055.U49D5
- 39297 GUHA, S. R. D., PANT, P. C., and GUPTA, R. K. Chemical pulps for writing and printing papers from Lagerstromia parviflora Roxb. (Lendia). Indian Pulp Pap. 21(5):321-322. Nov.1966. 302.8 In23
- 39298 HUNTER, J. C. The effect of semi-bleached kraft on newsprint. Pulp Pap. Mag. Can. 2(1):T23-T27. Jan.1967. 302.8 P96
- 39299 JAYME, G. On the retake of Xylan by the pulp produced during alkaline pulping. (Ge) Holz Roh- Werkstoff 24(10):449-452. Oct.15, 1966. 99.81 H74
English summary.
- 39300 KIERULF, P. Development of labour productivity in the Norwegian chemical pulp industry since 1950. (No) Norsk Skogindus. 20(12):507-508. Dec.1966. 99.82 N81
- 39301 KINGSLEY, N. P. Pulpwood production in the Northeast, 1963. U. S. Forest Serv. Northeast. Forest Exp. Sta. Resource Rep. NE-3, 26 p., map. 1966. A99.9 F7622Uf
- 39302 MONTMORENCY, W. H. DE. Mechanical pulping at the Institute. I-II. Trend 9:4-13. Ref. Winter 1966. 302.8 T72
- 39303 MURRAY, F. E., RAWALAY, S. S., and HATTON, J. V. The brightening of groundwood pulp with calcium dithionite. Pulp Pap. Mag. Can. 2(1):T28-T32. Jan.1967. 302.8 P96
- 39304 MYBURGH, H. H., and MACKENZIE, A. A. The production of timber for pulpwood. S. Afr. Forest. J. 58:21-29. Sept.1966. 99.9 So82
- 39305 NOVOSEL'SKAYA, A. I., and VIKHREVA, V. N. Effect of thermal treatment of wood, in the presence of buffers on its elastic-plastic properties. (Rus) Les. Zh. 5:104-109. Ref. 1965. 99.8 Iz8
Birch and pine woodpulp.
- 39306 PECKHAM, J. R. Experimental pulping of Parana pine by the magnefite process. TAPPI (Tech. Ass. Pulp Pap. Indus.) 50(1):53A-59A. Ref. Jan.1967. 302.8 T162
- 39307 ROBINSON, M., and FURNESS, F. Effect of sulphidity in kraft pulping. Southern Pulp Pap. Manufacturer 30(1):82, 84. Jan.10, 1967. 302.8 So8

- 33308 RYDHOLM, S. A. The application of modern pulping chemistry to the design of processes and machinery. *Pulp Pap. Mag. Can.* 2(1):T2-T15, T22. Ref. Jan. 1967. 302.8 P96
- 33309 SAMSON, N. T. Texas pulpwood production; an analysis. Stephen F. Austin State Coll. Tex. Dep. Forest. Bull. 10, unpag. June 1966. 99.9 St4
- 33310 SJOSTROM, E., and ENSTROM, B. Characterization of acidic polysaccharides isolated from different pulps. *TAPPI (Tech. Ass. Pulp Pap. Indus.* 50(1):32-36. Ref. Jan. 1967. 302.8 T162
- 33311 SUNG, Y. H. Pulp and paper technology in 17th century China. *Pulp Pap. Mag. Can.* 2(1):107-110. Jan. 1967. 302.8 P96
Translated excerpts from the book "Chinese Technology in the Seventeenth Century."
- 33312 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. 1966 Engineering Conference report. *TAPPI (Tech. Ass. Pulp Pap. Indus.* 50(1):148A-164A. Jan. 1967. 302.8 T162
- 33313 WHITAKER, H. E. Paper and pulp-1966. Southern Pulp Pap. Manufacturer 30(1):21-22. Jan. 10, 1967. 302.8 So8
- 33314 WOODARD, F. E. Coacervation and chemical coagulation of lignin from semichemical pulp mill black liquor. *Diss. Abstr.*, Sect. B, 27(1): 202B. July 1966. Z5055. U49D53
- 33315 YIANNOS, P. N., and TAYLOR, D. L. Dynamic modulus of thin wood sections. *TAPPI (Tech. Ass. Pulp Pap. Indus.* 50(1):40-47. Ref. Jan. 1967. 302.8 T162
Elastic modulus of papermaking fibers.
- Chemical Products and Distillates**
- 33316 BOWER, C. L., and ROWE, J. W. Extractives of jack pine [*Pinus banksiana*] bark occurrence of (4)-13-epimanol oxide and related labdane diterpenes. *Phytochemistry* 6(1):151-153. Ref. Jan. 1967. 450 P5622
- 33317 JENSON, W. The chemical utilization of bark. *Food Agr. Organ. UN. Europe. Forest. Comm.* FAO/ECE/LOG/162:135-155. Ref. 1966. 99.9 F73Fe
- 33318 KOLLAR, GY. Charring of wood in heaps. (Hu) *Erdogazdasag Faipar* 1:15-16. Jan. 1967. 99.8 Er2
- 33319 PROSINSKI, S., BABICKI, R., and JARZEMBOWSKI, R. Physico-chemical properties of stabilizers derived from wood tar products. (Pol) *Poland. Inst. Tech. Drowna. Prace* 12(1): 105-113. 1965. 99.9 P752
English summary.
- 33320 PROSINSKI, S., and others. Preparation of acetone-ester solvent from hardwood thermolysis products. (Pol) *Poland. Inst. Tech. Drowna. Prace* 13(3):95-111. Ref. 1966. 99.9 P752
Z. Czechowski, Z. Acamski, and M. Lelewski, joint authors.
English summary.
- 33321 ROZMEJ, Z., KWIATKOWSKI, A., and KOWALSKI, J. K. Determination of the acidity of tars, oils, turpentine, rosin, and other substances by electro-chemical methods. (Pol) *Poland. Inst. Tech. Drowna. Prace* 13(3):79-93. Ref. 1966. 99.9 P752
English summary.
- 33322 VARMA, B. K. Rodent infestation in gum. *Plant Protect. Bull.* 16(3/4):38-39. 1964, pub. 1966. 421 P69
Karaya gum from *Sterculia urens* contaminated by excreta.
- Other Forest Products**
- 33323 ALVANG, F. Utilization of pine and spruce bark as raw material for wood fibreboard—fundamental considerations and experience from mill scale experiments. *Food Agr. Organ. UN. Europe. Forest. Comm.* FAO/ECE/LOG/162:108-127. 1966. 99.9 F73Fe
- 33324 CARLSON, T. C. The market for wood pallets in the steel industry. *U. S. Forest Serv. Res. Pap.* NE-53, 15 p. 1966. A99.9 F7622Un
- 33325 GILLWALD, W. Investigations on the fatigue resistance of multiple-layer particleboard. (Ge) *Holz Roh- Werkstoff* 24(10):445-449. Oct. 15, 1966. 99.81 H74
English summary.
- 33326 KARLSEN, K. Increased fiberboard production in Denmark. (No) *Skogteieren* 5:5, 35. Aug. 1966. 99.81 Sk5
- 33327 LIRI, O. Utilization of pine and birch bark as raw material for board products. *Food Agr. Organ. UN. Europe. Forest. Comm.* FAO/ECE/LOG/162:64-107. Ref. 1966. 99.9 F73Fe
Particle board, chiefly.
- 33328 MARTINOVICH, F. S. Effect of degree of comminution of softwoods and hardwoods on the properties of particle boards hot-pressed without binders. (Rus) *Les. Zh.* 5:96-103. 1965. 99.8 Lz8
- 33329 MURTO, J. O. Utilization of bark. *Food Agr. Organ. UN. Europe. Forest. Comm.* FAO/ECE/LOG/162:156-169. 1966. 99.9 F73Fe
Various uses.
- 33330 NOACK, D., and STOCKMANN, V. Hardness tests on particle boards by means of the Hopper-cone. (Ge) *Holz Roh- Werkstoff* 24(10): 474-480. Oct. 15, 1966. 99.81 H74
English summary.
- 33331 PEHRSON, R. Utilization of bark as fuel. *Food Agr. Organ. UN. Europe. Forest. Comm.* FAO/ECE/LOG/162:38-63. 1966. 99.9 F73Fe
- 33332 PROSINSKI, S., BABICKI, R., and PIOTROWSKI, Z. Treating of match-sticks with paraffin. (Pol) *Poland. Inst. Tech. Drowna. Prace* 12(1):115-130. 1965. 99.9 P752
English summary.
- 33333 RATAJCZAK, Z., and SZYMANKIEWICZ, H. The study on preserving hardwood with chemicals against fungi and termites. (Pol) *Poland. Inst. Tech. Drowna. Prace* 12(2):25-45. Ref. 1965. 99.9 P752
English summary.
- 33334 SCHUT, B. The spruce reigns supreme. (Du) *Ned. Heidemaatsch. Tijdschr.* 77(12):451-457. Dec. 1966. 12 N282
History of Christmas trees.
- 33335 STEGMANN, G., and MAY, H. A. Measures of control on the yield of raw material in particleboard manufacture. II. Investigations on the stability of processing in particleboard manufacture. (Ge) *Holz Roh- Werkstoff* 24(10):512-516. Oct. 15, 1966. 99.81 H74
English summary.
- 33336 WOLF, G. Particle boards from Beeskow. (Ge) *Holzindustrie* 19(11):315-317. Nov. 1966. 99.82 H742
- SILVICULTURE**
- 33337 BECHER, R. On the culture and utilization of white willows. (Ge) *Holzzucht* 20(3/4):25-29. Ref. Dec. 1966. 99.8 H743
- 33338 BONNER, F. T. Survival and first-year growth of hardwoods planted in saturated soils. *U. S. Forest Serv. Res. Note* SO-32, 4 p. 1966. A99.9 F7628U
Platanus occidentalis, *Liquidambar styraciflua*, and *Quercus nuttallii*.
- 33339 BOYER, W. D., and FAHNESTOCK, G. R. Litter in longleaf pine [*Pinus palustris*] stands thinned to prescribed densities. *U. S. Forest Serv. Res. Note* SO-31, 4 p. 1966. A99.9 F7628U
In relation to prescribed burning.
- 33340 GEMIGNANI, G. *Cedrus atlantica* in Morocco. (It) *Cell. Carta* 17(11):46-50. Nov. 1966. 302.9 En8
English summary.
Culture.

- 39341 GIORDANO, E. Eucalypts of northern and southern Spain. (It) Cell. Carta 17(11):37-45. Nov.1966. 302.9 En8
English summary.
Eucalyptus globulus and E. camaldulensis culture.
- 39342 HILF, H. H. Maximal production and optimal utilization of poplar clearing timber. (Ge) Holzschutz 20(3/4):35-36. Dec.1966. 99.8 H743 Spain.
- 39343 KEDZERSKI, Z. Tentative sampling methods for determining the survival percent of seedling in pine plantations. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 308/310:143-154. 1966. 99.9 W263
- 39344 KLITZING, B. VON. Poplar cultures on the mounds of the Essen/Oldenburg forestry area. (Ge) Holzschutz 20(3/4):17-20. Dec.1966. 99.8 H743
- 39345 KUCABA, S. Effect of the beech understory on some chemical soil properties in a pine forest in the experimental forest of the Agricultural Main College [Szkoła Główna Gospodarstwa Wiejskiego]. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:169-184. Ref. 1965. 99.8 F71 German summary.
- 39346 LALLEMAND, P., and others. Modern silviculture of *Pinus maritima* in the area of Gascogne. (Fr) France. Min. Agr. Bull. Tech. Inform. 210:473-486. June 1966. 14 F844B
J. P. Leonard, J. Martin, J. P. Mauge, and R. Navarre, joint authors.
- 39347 LANGE. Situation in poplar management and timber growing outside the forest. (Ge) Holzschutz 20(3/4):29-31. Dec.1966. 99.8 H743
- 39348 LARSEN, B. *Picea omorica*—a tree with a future. (Da) Skogen [Stockholm] 53(6):143-145. Mar.17,1966. 99.8 Sk51
Includes culture.
- 39349 MALMBERG, D. B. Early thinning trials in western hemlock (*Tsuga heterophylla* (Raf) Sarg.) related to stand structure and product development. Diss. Abstr., Sect. B, 27(1):14B-15B. July 1966. Z5055.U49D53
- 39350 PAULYKEVICHUS, G. B. Effect of shelter-wood cuttings on water regime of stands. (Rus) Les. Zh. 5:24-29. 1965. 99.8 Iz8
- 39351 PHILIPPIS, A. DE. Some considerations on silvicultural problems. (It) Cell. Carta 17(11):18-19. Nov.1966. 302.9 En8
English summary.
- 39352 POLANSKY, B., and others. Pestenišes [Silviculture]. Praha, Státní Zemedelské Nakladatelství, 1966. 517 p. Ref. SD327.C95P6
J. Cizek, J. Jurca, A. Mezera, and M. Vyskot, joint authors.
- 39353 PRYOR, L. D. A report on past performance and some current aspects of the cultivation of quick-growing species (mainly *Eucalyptus*) in India. Indian Forest. 92(10):615-622. Oct. 1966. 99.8 In2
- 39354 QURESHI, I. M., and YADAV, J. S. P. Soil studies of some reforestation areas in Madhya Pradesh. Indian Forest. 92(10):623-631. Oct. 1966. 99.8 In2
- 39355 RUDNICKI, J., and STRZELECKI, W. Principles of amelioration practices and preparation for afforestation of ferruginous soils and bog limonites. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 308/310:3-30, map. Ref. 1966. 99.9 W263
English summary.
- 39356 SCHIMKE, H. E., and DOUGHERTY, R. H. Disposal of logging slash, thinnings and brush by burying. U. S. Forest Serv. Res. Note PSW-111,4 p. 1966. A99.9 F7652
- 39357 SINHA, K. N. A note on adaptability of species to sandy soil of Purnea and Bettiah (Bihar). Indian Forest. 92(11):690-693. Nov.1966. 99.8 In2
Bamboo.
- 39358 SMITH, H. G. Autumn olive. Ohio Woodlands 5(2):14-15. Feb./Apr.1967. 99.8 Oh34
Elaeagnus umbellata culture.
- 39359 STENEKER, G. A., and JARVIS, J. M. Thinning in trembling aspen stands, Manitoba and Saskatchewan. Can. Dep. Forest. Publ. 1140, 28 p., map. Ref. 1966. 99.9 C1628P
Populus tremuloides.
- 39360 SYMPOSIUM on prescribed burning. Pulp Pap. Mag. Can. 2(1):WR2,WR7-WR8, WR10-WR13, WR15,WR18. Jan.1967. 302.8 P96
Moderator: W. T. Foster; panel members: G. A. Hubert, J. Cayford, W. A. Dickson, and A. P. MacBean.
- 39361 TRAVLEEY, A. P. Effect of forest litter on soil moisture in an artificial steppe-forest. (Rus) Nauch. Dok. Vysshei Shkoly, Biol. Nauk. 1:131-133. Ref. 1965. 442.8 N22
- 39362 VAN WAGNER, C. E. Three experimental fires in jack pine slash. Can. Dep. Forest. Publ. 1146,22 p. Ref. 1966. 99.9 C1628P
- 39363 VINS, B. Scaffolding for work in tree crowns. Silvage Genet. 15(3):89-91. May/June 1966. 99.8 Z36
- 39364 WERNER, H. Experiences in the culture of balsam hybrids and balsam poplars in hilly land and under medium size mountain environments. (Ge) Holzschutz 20(3/4):20-25. Ref. Dec.1966. 99.8 H743

Regeneration

- 39365 CAMPBELL, R. K., and REDISKE, H. H. Genetic variability of photosynthetic efficiency and dry-matter accumulation in seedling Douglas-fir. Silvage Genet. 15(3):65-72. Ref. May/June 1966. 99.8 Z36
In relation to breeding.
- 39366 CHINNAMANI, S., and GUPTA, S. C. A note on stump planting of some eucalypts and black wattle [*Acacia mollissima*] in the Nilgiris Indian Forest. 92(11):667-668. Nov.1966. 99.8 In2
- 39367 CRAMPTON, C. B. Soils, forests, and pastures in south Wales. Forestry 39(2):171-188, map. Ref. 1966. 99.8 F767
Forest planting and grazing aspects.
- 39368 CREA, V. Reforestation of three-million acres. (It) Esso Agr. 15(5):19. Oct.1966. 58.8 Es7
- 39369 CUNNINGHAM, G. M. A survey of tree plantings and tree growth rates in the Condoibin district. New S. Wales. Soil Conserv. Serv. J. 22(4):174-189. Oct.1966. 56.9 N472
- 39370 EGUCHI, T., and others. Studies of selection of frost-hardy Cryptomeria. I. Silvage Genet. 15(3):84-89. Ref. May/June 1966. 99.8 Z36
A. Sakai, G. Usui, and T. Uehara, joint authors.
- 39371 FAHMY, M., EL SAID IMAM, M., and HEIKAL, I. Methods to extend planting of timber-trees. Agr. Res. Rev. 43(1):1-15. Ref. Jan.1965. 24 Eg94
United Arab Republic.
- 39372 FITZHERBERT, J. T., and HOLLOWELL, E. G. Undercutting as a nursery technique. (Extr.) Forester 7(2):19-27. Sept.1966. 99.8 F7635
In South Wales.
- 39373 GENYS, J. B. Geographic variation in Virginia pine; results of the first trial in Pennsylvania, Maryland and Tennessee. Silvage Genet. 15(3):72-76, map. May/June 1966. 99.8 Z36
Provenance study.
- 39374 HEJMANOWSKI, S. Effect of the method of lower cuttings of poplar on their usefulness. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 308/310:31-60. Ref. 1966. 99.9 W263
German summary.
- 39375 KKE, A. F. Sycamore [*Platanus occidentalis*] produces viable seed after six years. U. S. Forest Serv. Res. Note SE-62,2 p. Sept.1966. A99.9 F7623Un
Georgia.

- 39376 JONDELIUS, B. Taking no thought for tomorrow. (Sw) Lantbrukstidskr. Dalarna 78(6):183-189. 1965. 11 L29
In relation to poor regeneration of forests and measures for improvement.
- 39377 KIZENKOV, V. E., and ORLOV, F. B. Effect of young hardwood on pine plantings established by aerial sowing. (Rus) Les. Zh. 5:30-33. 1965. 99.8 I28
Effect on growth.
- 39378 LEIBUNDGUT, H. Forest reservations. (Ge) Schweiz. Z. Forstwesen 117(12):900-907. Dec. 1966. 99.8 J82
- 39379 LESTER, D. T., and BARR, G. R. Shoot elongation in provenance and progeny tests of red pine. Silvae Genet. 15(1):1-6, map. Ref. Jan./Feb. 1966. 99.8 Z36
- 39380 MACDONALD, R. D., and MACDONALD, M. E. A new method for maintaining the cones of Abies and Cedrus intact for study and storage. Rhodora 68(776):516-517. Oct./Dec. 1966. 450 R34
- 39381 MELCHIOR, G. H., and SEITZ, F. W. Results of field tests with aspen hybrids. 1. Crosses of the year 1951. (Ge) Silvae Genet. 15(4):127-133. July/Aug. 1966. 99.8 Z36
English summary.
- 39382 NAMKOONG, G., SNYDER, E. B., and STONE-CYPHER, R. W. Heritability and gain concepts for evaluating breeding systems such as seedling orchards. Silvae Genet. 15(3):76-84. Ref. May/June 1966. 99.8 Z36
- 39383 ORR-EWING, A. L. Inter- and intraspecific crossing in Douglas-fir, *Pseudotsuga menziesii* (Mrb.) Franco. Silvae Genet. 15(4):121-126, map. Ref. July/Aug. 1966. 99.8 Z36
- 39384 POPOV, V. YA., and VOICHAL', P. I. Six-year provenance trials of pine in Archangel Region. (Rus) Les. Zh. 5:13-17, map. 1965. 99.8 I28
Includes growth data.
- 39385 ROBERTS, V. K. A bibliography of publications by the Intermountain Forest and Range Experiment Station on the genetics and breeding of forest trees, 1921-1965. U. S. Forest Serv. Res. Note INT-46, 8 p. 1966. A99.9 F764Un
- 39386 ROHRIG, E. European black pine (*Pinus nigra* Arnold) and its forms. II. First results from provenance experiments. (Ge) Silvae Genet. 15(1):21-26, map. Ref. Jan./Feb. 1966. 99.8 Z36
English summary.
- 39387 SPIRIK, F. Methods of reforestation of overtopped strip-mined areas of the North Bohemia browncoal basin. (Cz) Vyzkum. Ustav Melioraci. Ved. Prace 7:177-197. 1965. S604.A1V9
English summary.
- 39388 SRIVASTAVA, T. N., and QURESHI, I. M. Afforestation of difficult sites. Indian Forest. 92(11):659-666. Ref. Nov. 1966. 99.8 I28
- 39389 STEFANSSON, E. Spot sowing—a rapid and cheap method. (Sw) Skogen [Stockholm] 53(6):142-143. Mar. 17, 1966. 99.8 Sk51
Scots pine.
- 39390 STEINBECK, K. Site, height, and mineral nutrient content relations of Scotch pine provenances. Silvae Genet. 15(2):42-50, map. Ref. Mar./Apr. 1966. 99.8 Z36
Includes foliar diagnosis.
- 39391 TICHENOR, L. M. Research at the Institute of Forest Genetics, a bibliography, 1927-1965. Berkeley, California. U. S. Forest Service, Pacific Southwest Forest and Range Experiment Station, 1965. 18 p. aZ5991.T5
- 39392 TIGERSTEDT, P. M. A. Development of genetic variants of height growth in a field experiment with *Betula verrucosa*. (Ge) Silvae Genet. 15(4):136-137. July/Aug. 1966. 99.8 Z36
English summary.
- 39393 TRIST, A. R. Will tree breeding help the timber industry? Australian Timber J. Building Prod. Merchandiser 32(11):285-287, 289, 291. Dec. 1966. 99.81 Au7
Includes discussion.
- 39394 U. S. FOREST SERV. EASTERN TREE SEED LABORATORY. Thirteenth annual report, fiscal year 1966, by E. W. Belcher and L. Jones. Macon, 1966. 10 p. A99.9 T71
Southeastern Forest Experiment Station, Georgia Forestry Commission, and Georgia Forest Research Council, cooperating. Georgia.
- 39395 WILDE, S. A., and VOIGT, G. K. Influence of planting method on the growth of pine on clayey soils. (Fr) Quebec. Univ. Laval. Fonds. Rech. Forest. Bull. 8:7-14. 1966. 99.9 Q362T
English summary.
Pinus strobus.
- 39396 WRIGHT, J. W., and others. Performance of Scotch pine varieties in the north central region. Silvae Genet. 15(4):101-110, map. Ref. July/Aug. 1966. 99.8 Z36
S. S. Pauley, R. B. Polk, J. J. Jokela, and R. A. Read, joint authors.
Provenance and growth studies.
- 39397 ZABIELSKI, S. Breeding value of head cuttings and some physiological characteristics of popular cuttings. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:121-168. Ref. 1965. 99.8 F71
German summary.

WOOD TECHNOLOGY

- 39398 BERGMANN, R. Industrial wood from overseas. 34. Western hemlock from Canada. (Ge) Holztechnik 46(11):533-534. Nov. 1966. 99.82 H745
Properties, chiefly.
- 39399 BERGMANN, R. Industrial woods from overseas. 35. Muhuhu [*Brachylaena hutchinsii*] from east Africa. (Ge) Holztechnik 46(12):590-591. Dec. 1966. 99.82 H745
Properties.
- 39400 BIELERZEWSKA, A. Bibliografia polskiego piśmiennictwa drzewnego za rok 1959 [Bibliography of Polish timber literature for 1959]. Poland. Inst. Tech. Drewna. Prace 13(1), 137 p. 1965. 99.9 P752
English content page and preface.
- 39401 CÔTE, W. A., TIMELL, T. E., and ZABEL, R. A. Studies on compression wood. I. Distribution of lignin in compression wood of red spruce (*Picea rubens* Sarg.). Holz Roh- Werkstoff 24(10):432-438. Ref. Oct. 15, 1966. 99.81 H74
- 39402 DUFF, J. E. A probe for accurate determination of moisture content of wood products in use. U. S. Forest Serv. Res. Note FPL-0142, 10 p., map. Aug. 1966. A99.9 F7634Un
- 39403 DZIUBOWA, C., and STASZAK, W. Bibliografia polskiego piśmiennictwa drzewnego za rok 1960 [Bibliography of Polish timber literature for 1960]. Poland. Inst. Tech. Drewna. Prace 12(3), 157 p. 1965. 99.9 P752
English content page and preface.
- 39404 ESTABLISHMENT of the International Academy of Wood Science. (Ge) Holz Roh- Werkstoff 24(10):524-525. Oct. 15, 1966. 99.81 H74
- 39405 GERHARDS, C. C. Physical and mechanical properties of blackbutt *Eucalyptus* [Eucalyptus pilularis] grown in Hawaii. U. S. Forest Serv. Res. Pap. FPL-65, 8 p. Aug. 1966. A99.9 F7634U
- 39406 GORBUNOVA, O. F., and BOGOMOLOV, B. D. Polarographic determination of elemental sulfur in thioglignin. (Rus) Les. Zh. 5:133-138. Ref. 1965. 99.8 I28

- 39407 HEISKANEN, V. Tutkimuksia koivujen vikaisuuksista, niiden vaikutuksesta sorvaustulokseen sekä niiden huomioonottamisesta laatuloukituksessa. Studies on the defects of birch, their influence on the quality and quantity of rotary cut veneer, and their consideration in veneer birch grading. Acta Forest. Fenn. 80 (3), 128 p. 1966. 99.9 F492
English summary.
- 39408 JAKUBCZYK, B. Technical properties of the yew wood from the preserve Wierzchlas. (Pol) Sylwan 110(10):79-86. 1966. 99.8 Sy52
English summary.
Mechanical and physical.
- 39409 JUSTSUK, E. Introduction fundamental considerations. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/162:1-11. 1966. 99.9 F73Fe
Properties of bark.
- 39410 KALNINS, M. A., STEELINK, C., and TARKOW, H. Light-induced free radicals in wood. U. S. Forest Serv. Res. Pap. FPL 58, 8 p. Oct. 1966. A99.9 F7634U
- 39411 KEDROV, G. B. Significance of intermediate contacts of wood vessels of Fraxinus excelsior L. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:140-147. Ref. 1965. 442.8 N22
- 39412 KEYLWERTH, R. Temperature and moisture gradients in wooden structural elements. (Ge) Holz Roh- Werkstoff 24(10):452-454. Oct. 15, 1966. 99.81 H74
English summary.
- 39413 KRZYSIK, A. The effect of the inclination of bevel angle on tensile strength in bevel joint. (Pol) Sylwan 110(10):65-78. 1966. 99.8 Sy52
English summary.
- 39414 LEARY, G. J. The yellowing of wood by light. TAPPI (Tech. Ass. Pulp Pap. Indus.) 50(1):17-19. Ref. Jan. 1967. 302.8 T162
- 39415 MARRA, G. G., PELLERIN, R. F., and GALLIGAN, W. L. Nondestructive determination of wood strength and elasticity by vibration. Holz Roh- Werkstoff 24(10):460-466. Ref. Oct. 15, 1966. 99.81 H74
- 39416 NECESANY, V. Participation of cell wall and middle lamella in the shrinking and swelling of wood. (Ge) Holz Roh- Werkstoff 24(10):470-473. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 39417 PACHELSKI, M. History of Wood Technology Faculty, Agricultural University [Szkoła Główna Gospodarstwa Wiejskiego, Wydział Technologii DREWNA] in Warsaw. (Pol) Sylwan 110(10):2-23. 1966. 99.8 Sy52
English summary.
- 39418 PAUL, B. H. Chose the right wood. II. Woodworking Dig. 68(9):36-38. Sept. 1966. 99.82 W87
Properties of hardwoods.
- 39419 PERKITNY, T., and HEJLINSKA-RACZKOWSKA, I. On the effect of growth stresses on the deformations of wood caused by temperature and moisture changes. (Ge) Holz Roh- Werkstoff 24(10):481-486. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 39420 PLATH, E. On the mechanism of bending test samples. (Ge) Holz Roh- Werkstoff 24(10):486-489. Oct. 15, 1966. 99.81 H74
English summary.
- 39421 RAFALSKI, J. The effect of the degree and direction of compression on dielectric properties of beech wood. (Pol) Poland. Inst. Tech. DREWNA. Prace 13(3):3-78. Ref. 1966. 99.9 P752
English summary.
- 39422 SACHS, I. B., WARD, J. C., and BULGRIN, E. H. Heartwood stain in red oak. Holz Roh- Werkstoff 24(10):489-497. Ref. Oct. 15, 1966. 99.81 H74
Quercus rubra.
- 39423 SAMORZEWSKI, J. Comparative study on the elasticity coefficient of wood subjected to static bending with consideration of one or two loading points and different ratio of span to sample depth. (Pol) Poland. Inst. Tech. DREWNA. Prace 12(4):49-60. 1965. 99.9 P752
English summary.
- 39424 SANDERMANN, W., and SCHMITZ, G. The use of chemical and physico-chemical tests as a means of wood identification. (Ge) Holz Roh- Werkstoff 24(10):498-502. Oct. 15, 1966. 99.81 H74
English summary.
- 39425 SCHNIEWIND, A. P. On differences in the tensile strength of earlywood and latewood tracheids. (Ge) Holz Roh- Werkstoff 24(10):502-506. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 39426 SCHULTZE-DEWITZ, G. Relations between elasticity and static and impact bending strength of pinewood after exposure to Basidiomycetes. (Ge) Holz Roh- Werkstoff 24(10):506-512. Ref. Oct. 15, 1966. 99.81 H74
English summary.
- 39427 SEKHAR, A. C., and RAWAT, M. S. A note on the physical and mechanical properties of Ougeinia dalbergioides (Sandana) from Dehra Dun. Indian Forest. 92(11):694-697. Nov. 1966. 99.8 In2
- 39428 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Differences between heartwood and sapwood. U. S. Forest Serv. Res. Note FPL-0147, 2 p. Sept. 1966. A99.9 F7634Un
- 39429 VÄLK, U. How to estimate the age of Scots pines growing on raised bogs. (Es) Eesti Loodus 3:173-174. May/June 1966. 409.6 Ee7
English summary.
- 39430 WÄLTHER, S. Physical and mechanical properties of English and durmast oak wood from mixed deciduous forest (Querceto-Pinetum). (Pol) Sylwan 110(10):47-64. Ref. 1966. 99.8 Sy52
English summary.
- 39431 YLINEN, A. On the influence of the loading time on the bearing capacity of a centrally and an eccentrically loaded straight wooden column. (Ge) Holz Roh- Werkstoff 24(10):520-523. Oct. 15, 1966. 99.81 H74
English summary.

PLANT SCIENCE

GENERAL

- 39432 AARTOLAHTI, T. Pollen deposits in the Kerms high moor. (Fi) Terra [Helsinki] 78(3): 121-128, 1966, 20 T272
German summary.
- 39433 BONAMO, P. M. Tetraxlopteris schmidtii: the fertile branching system. Diss. Abstr., Sect. B, 27(5):1376B. Nov.1966. Z5055.U49D53
- 39434 CRIDLAND, A. A. Biscalitheca kansana sp. n. (Coenopteridales, Zygopteridaceae), a compression from the Lawrence Shale (Upper Pennsylvania), Kansas, U.S.A. Amer. J. Bot. 53(10): 987-994. Ref. Nov./Dec.1966, 450 Am36
- 39435 HORGUES, M., ELHAI, H., and BROUSSE, R. First pollen analysis of intercalary volcanic sediments of Cantal. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(16):1059-1061. Ref. Oct.17, 1966, 505 P21
- 39436 KAPP, R. O., and GOODING, A. Revision; Sunbeam Prairie pollen profile. Amer. J. Sci. 264 (9):743-744. Nov.1966. 470 Am34
Ohio.
- 39437 MATTEN, L. C., and BANKS, H. P. Triloboxylon ashlandicum gen. and sp. n. from the Upper Devonian of New York. Amer. J. Bot. 53(10): 1020-1028. Ref. Nov./Dec.1966, 450 Am36
- 39438 PHILLIPS, T. L., and LEISMAN, G. A. Pseudodendron, a rhizomorphic lycopod. Amer. J. Bot. 53(10):1086-1100. Ref. Nov./Dec.1966, 450 Am36
Paleobotany; Kansas and Illinois.
- 39439 PIM, S. The wood and the trees; a biography of Augustine Henry. London, Macdonald, 1966. 256 p. Ref. QK31.H4P5
Collector of Chinese plants; includes data on his expeditions.
- 39440 PREISS, K. The Manning fauna and flora reserve. S. Australian Natur. 41(1):5-19. Sept. 1966. 410 S082
- 39441 RYABOVA, T. P. Development of vegetation in the Bashkirian Cis-Ural area in the Holocene. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:134-138, map. Ref. 1965. 442.8 N22
Pollen studies.
- 39442 TERASMAE, J., WEBBER, P. J., and ANDREWS, J. T. A study of late-Quaternary plant-bearing beds in north-central Baffin Island, Canada. Arctic 19(4):296-318, map. Ref. Dec.1966. 470 Ar22
- 39443 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. The United States National Arboretum, Washington, D.C. U. S. D. A. PA-309, rev., 8 p.-folder, map. Nov.1966. 1 Ag84Pro
- 39444 USHER, G. A dictionary of botany, including terms used in biochemistry, soil science and statistics. Princeton, New Jersey, Van Nostrand, 1966. 404 p. QK9.U8
- MORPHOLOGY, ANATOMY, AND CYTOLOGY
- 39445 AHLOOWALIA, B. S. Chromosome pairing in aneuploid perennial ryegrass. J. Hered. 57 (4):129-134. Ref. July/Aug.1966, 442.8 Am3
Lolium perenne.
- 39446 ALEKSEEV, YU. E. Morphology of vegetative organs of Central Russian sedges (Carex L.). I. Tillering types. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:117-123. Ref. 1965. 442.8 N22
- 39447 BAKER, R. L. Deficiencies in chromosomes 1 and the control of pairing of homologs in Zea mays. Diss. Abstr., Sect. B, 27(1):51B. July 1966. Z5055.U49D53
- 39448 BANNIKOVA, V. P. Disturbances in seed formation at remote hybridization of tobacco plants. (Rus) Zhur. Obshch. Biol. 26(4):428-435. Ref. July/Aug.1965, 442.8 Z6
English summary.
Embryogenesis.
- 39449 BANWAR, S. C. Morphological and anatomical studies on the genus Lyonothamnus. Diss. Abstr., Sect. B, 27(5):1375B-1376B. Nov.1966. Z5055.U49D53
- 39450 BELOSTOKOV, G. P. Some data on the leaf and bud structure of trees. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:128-135. Ref. 1965. 442.8 N22
Morphology.
- 39451 BOER, H. W. DE. Structure of the seedbox of Astridia herrei L. Bol. (Du) Succulenta 45 (12):179-182. Dec.1966. 450 Su12
- 39452 BONNETT, H. T., and NEWCOMB, E. H. Polyribosomes and cisternal accumulations in root cells of radish. J. Cell Biol. 27(2):423-432. Ref. Nov.1965. 442.8 J828
- 39453 BOWEN, W. R. Ultrastructural aspects of the cell boundary of Haematococcus pluvialis. Amer. Microscop. Soc. Trans. 86(1):36-43. Ref. Jan.1967, 440.9 Am33
- 39454 BRITTAIN, W. H., and GRANT, W. F. Observations on Canadian birch (Betula) collections at the Morgan Arboretum. III. B. papyrifera of British Columbia. Can. Field-Natur. 80(3):147-157. July/Sept.1966. 410.9 Or8
Morphological and cytological study.
- 39455 BROOKS, M. H., BROOKS, J. S., and CHIEN, L. The anther tapetum in cytoplasmic-genetic male sterile sorghum. Amer. J. Bot. 53(9): 902-908. Ref. Oct.1966. 450 Am36
- 39456 BRYAN, V. S. The question of post-reduction in Sphagnum. Amer. J. Bot. 53(10):1012-1015. Ref. Nov./Dec.1966. 450 Am36
- 39457 CAILLOUX, M., and GENEVEES, L. Variations of mitochondrial infrastructures in the radicular meristem of Raphanus sativus (Cruciferae) as a function of culture conditions. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(22):1699-1702. Nov.28, 1966. 505 P21
- 39458 CAMERON, I. L., and PADILLA, G. M., ed. Cell synchrony; studies in biosynthetic regulation. New York, Academic Press, 1966. 392 p. Ref. QH605.C3
Includes plants.
- 39459 CARUSO, J. L., and CUTTER, E. G. Proliferation of cells in the central cylinder of the reduced mutant in lanceolate tomato. Science 154(3752):1021-1023. Nov.25, 1966. 470 Sci2
- 39460 CHAKRAVARTY, H. L. Peculiar placenta in African cucurbit, Rutilacia. Nature 213 (5073):313-314. Jan.21, 1967. 472 N21
- 39461 CHOJNACKI, W. Individual variability of some morphological characteristics of Pinus sylvestris in the first ten years and experiment for determination of relations between these characteristics. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:185-244. Ref. 1965. 99.8 FT1
German summary.
- 39462 COOK, J. R. Studies on chloroplast replication in synchronized Euglena [gracilis]. In Cameron, I. L., and Padilla, G. M., ed. Cell synchrony, p.153-168. Ref. 1966. QH605.C3
- 39463 CUNNINGHAM, W. P., and CRANE, F. L. Variation in membrane structure as revealed by negative staining technique. Exp. Cell. Res. 44(1):31-45. Ref. Oct.1966. 442.8 Ex7
Includes plants.
- 39464 CUSSET, G., and HOA, T. T. The ligule complex of certain Bambusoideae. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(25):1965-1968. Dec.19, 1966. 505 P21
- 39465 DANIEL, J. W. Light-induced synchronous sporulation of a myxomycete [Physarum polycephalum]-the relation of initial metabolic changes to the establishment of a new cell state. In Cameron, I. L., and Padilla, G. M., ed. Cell synchrony, p.117-152. Ref. 1966. QH605.C3
- 39466 DAVIDSON, D., MACLEOD, R. D., and O'RILEY, M. Changes in mitotic index induced by colchicine. Nature 212(5070):1541-1542. Dec.31, 1966. 472 N21
Studied in beans.
- 39467 DAVIDSON, D., and MACLEOD, R. D. Changes in mitotic indices in roots of Vicia faba. I. Antagonistic effects of colchicine and IAA. Chromosoma 18(3):421-437. Ref. 1966. 442.8 C46

- 39468 DELIPAVLOV, D., and POPOVA, I. M. Morphologic and anatomic studies of Bulgarian species of the genus *Lilium* L., with yellow flowers. (Bu) *Vishh Selskostonpanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):69-78. Ref. 1965. 106.3 P72
German summary.
- 39469 DEMAGGIO, A. E. Sieve cell differentiation: accurate determination by polarized light. *Stain Technol.* 41(6):339-344. Ref. Nov. 1966. 442.8 S1
Pinus.
- 39470 DIESL, J. S. An embryological study of female sterility in cotton. *J. Hered.* 57(6):247-248. Nov./Dec. 1966. 442.8 Am3
- 39471 DODDS, K. S., and MATTHEWS, P. Neoplastic nod in the pea. *J. Hered.* 57(3):83-85. May/June 1966. 442.8 Am3
- 39472 DOGRA, P. D. Observations on *Abies* pindrow with a discussion on the question of occurrence of apomixis in gymnosperms. *Silvae Genet.* 15 (1):11-20. Ref. Jan./Feb. 1966. 99.8 Z36
- 39473 DULIEU, H., and BUGNON, F. Mericlinal chlorophyll chimeras and foliar ontogenesis in tobacco (*Nicotiana tabacum* L.). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(22):1714-1717. Nov. 28, 1966. 505 P21
- 39474 DURAND, B. The effect of kinetin on the sexual characteristics of *Mercurialis annua* L. (2n=16). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(18):1309-1311. Nov. 2, 1966. 505 P21
- 39475 DWIVEDI, R. S. Cytological studies on lateral buds of *Tradescantia paludosa* in relation to apical dominance. *Diss. Abstr.*, Sect. B, 27(5): 1376B-1377B. Nov. 1966. Z5055.U49D53
- 39476 ECOCHARD, R. Effects of X-irradiation on the meiosis of *Vicia faba*. *Mutation Res.* 3(4): 314-326. Ref. Aug. 1966. 443.8 M98
- 39477 EDELMAN, M. Satellite DNAs in *Euglena gracilis*. *Diss. Abstr.*, Sect. B, 27(5):1369B-1370B. Nov. 1966. Z5055.U49D53
- 39478 ERIKSSON, T. Partial synchronization of cell division in suspension cultures of *Haplophragma gracilis*. *Physiol. Plant.* 19(4):900-910. Ref. 1966. 450 P564
Chemicals applied.
- 39479 EVANS, G. M., and REES, H. The pattern of DNA replication at mitosis in the chromosomes of *Scilla campanulata*. *Exp. Cell Res.* 44(1):150-160. Ref. Oct. 1966. 442.8 Ex7
- 39480 FOSKET, D. E. A histochemical study of callus initiation from carrot taproot phloem cultivated in vitro. *Diss. Abstr.*, Sect. B, 27(1):53B-54B. July 1966. Z5055.U49D53
- 39481 FUJIMOTO, Y. On the ligule portion of Gramineae. (Ja) *J. Geobot.* 14(1):15-23. Aug. 1965. 450 H68
English summary.
- 39482 GARRIGUES, R., and RENAUDIN, S. Ultra-structure of intracytoplasmic protein formation in the scale cells of *Lathraea clandestina* L. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(21): 1586-1589. Nov. 21, 1966. 505 P21
- 39483 GIRI, A. A survey on polyembryony in mango. *Agr. Pakistan* 16(4):467-472. Ref. Dec. 1965. 22 Ag632
- 39484 GOUDON, M. Demonstration of a basic type of hyphea in *Corticium reitsii* (Sacc.) Curzi; experimental study of its function. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(22):1695-1698. Nov. 28, 1966. 505 P21
- 39485 GREEN, P. B. Pathways of cellular morphogenesis: a diversity in *Nitella*. *J. Cell Biol.* 27(2):343-363. Ref. Nov. 1965. 442.8 J828
- 39486 HEBANT, C. New data on the significance and the distribution of conducting tissues in the leafy stems of the mosses. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1065-1068. Ref. Oct. 17, 1966. 505 P21
- 39487 HESLOP-HARRISON, J. Structural features of the chloroplast. *Sci. Progr. [Oxford]* 54(216): 519-541. Ref. Winter 1966. 42 S122
- 39488 HEYN, A. N. J. The microcrystalline structure of cellulose in cell walls of cotton, ramie, and lute fibers as revealed by negative staining of sections. *J. Cell Biol.* 29(2):181-197. Ref. May 1966. 442.8 J828
- 39489 HOFFMAN DE C., A., and KUMMEROW, J. Anatomic observations on the rooting of short shoots of *Pinus radiata*. (Ge) *Silvae Genet.* 15(2):35-38. Ref. Mar./Apr. 1966. 99.8 Z36
English summary.
- 39490 HORNER, H. T., LERSTEN, N. R., and BOWEN, C. C. Spore development in the liverwort *Riccardia pinguis*. *Amer. J. Bot.* 53(10):1048-1064. Ref. Nov./Dec. 1966. 450 Am36
- 39491 HUIZWARA, H. On the chromosome number of cultivated pansies, *Viola wittrockiana* (Gams). Preliminary report. *Jap. J. Breeding* 16(2): 133-137. June 1966. 64.8 J27
- 39492 ILLIES, Z. M. Variation of unbalanced chromosome numbers in the needle bud meristem on branches of five following years in aneuploid larches. (Ge) *Silvae Genet.* 15(4):133-135. July/Aug. 1966. 99.8 Z36
English summary.
- 39493 INGOLD, M. Aneuploidy of *Triticum aestivum* L. (Fr) *Schweiz. Ges. Vererbungsforsch. Jahresber.* 24:51-54. 1964. 443.9 Sch9
- 39494 JOHNSON, R. The substitution of a chromosome from *Agropyron elongatum* for chromosomes of hexaploid wheat. *Can. J. Genet. Cytol.* 8(2):279-292. Ref. June 1966. 443.8 C16
- 39495 JUGUET, M. Embryogenesis of Cyperaceae; development of embryo in *Scirpus maritimus*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(22): 1710-1713. Nov. 28, 1966. 505 P21
- 39496 KAUL, B. L., and NATARAJAN, A. T. Radiomimetic & radiosensitizing effects of 5-bromouracil & 2-aminopurine in root meristems of barley & onion. *Indian J. Exp. Biol.* 4(2):109-113. Ref. Apr. 1966. 442.8 In2
- 39497 KREBS, H. The development of peel fragments of the fruits of *Citrus aurantium*, *Citrus grandis* and *Citrus limonia*, cultivated in vitro. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(18): 1312-1315. Nov. 2, 1966. 505 P21
- 39498 LAUCHLI, A., and SCHWANDER, H. X-ray microanalyser study on the localization of minerals in native plant tissue sections. *Experientia* 22(8):503-505. Ref. Aug. 15, 1966. 475 Ex7
In corn.
- 39499 LEBEDEV, P. V. Changes in morphological structure of the apical cone in vegetative shoots of meadow grasses. (Rus) *Nauch. Dok. Vysshei Shkoly. Biol. Nauk.* 2:124-127. 1965. 442.8 N22
- 39500 LEE, H. Y. Studies in *Swietenia* (Meliaceae): observations on the sexuality of the flowers. *Arnold Arboretum J.* 48(1):101-104. Ref. Jan. 1967. 451 Ar63
- 39501 LEINFELLNER, W. What is the real structure of the carpel of Winteraceae. III. The carpel of *Bubbia*, *Bellium*, *Pseudowintera*, *Exospermum* and *Zygogynum*. (Ge) *Osterr. Bot. Z.* 113(2):245-264. Ref. 1966. 450 Ost7
- 39502 LEROY, J. F., and PLU, A. Chromosome numbers of the Malagasy coffee. (Fr) *Cafe, Cacao, The* 10(3):216-218. July/Sept. 1966. 68.8 C112
English summary.
- 39503 LESCURE, A. M. Relationship between the density of plant cells and their growth kinetics in submerged medium. *Exp. Cell Res.* 44(2/3): 620-623. Ref. Nov./Dec. 1966. 442.8 Ex7
Acer pseudoplatanus.
- 39504 LEWIN, J. C., and others. Silica shell formation in synchronously dividing diatoms. In Cameron, I. L., and Padilla, G. M., ed. *Cell synchrony*, p. 169-188. Ref. 1966. QH605.C3
B. E. Reimann, W. F. Busby, and B. E. Volcani, joint authors.
- 39505 MACLEOD, A. M., and PALMER, G. H. The embryo of barley in relation to modification of the endosperm. *Inst. Brewing J.* 72(6):580-589. Ref. Nov./Dec. 1966. 390.9 In7
Morphology and anatomy.
- 39506 MACMAHON, R. R. Zonation and initial differentiation in the shoot apex of *Osmonda cinnamomea* L. *Diss. Abstr.*, Sect. B, 27(5):1378B. Nov. 1966. Z5055.U49D53

- 39507 MASLINKOV, M. Interesting variations in the flower of *Agrostis vulgaris* With. (Bu) Visshe Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):79-81. 1965. 106.3 P72
German summary.
Morphology.
- 39508 MATTINGLY, E. Induction of chromosome and chromatid-type aberrations by phleomycin. *Mutation Res.* 4(1):51-57. Ref. Feb. 1967. 443.8 M98
Vicia faba.
- 39509 MATTINGLY, E. Synchrony of cell division in root meristems following treatment with 5-aminouracil. In Cameron, I. L., and Padilla, G. M., ed. *Cell synchrony*, p.256-268. Ref. 1966. QH605.C3
Includes onions and broadbeans.
- 39510 MCCLURE, W. J. Cytological and morphological observations in crosses between diploid and tetraploid sorghum. *Diss. Abstr.*, Sect. B, 27(1):44B. July 1966. Z5055.U49D53
- 39511 MININA, E. G. Importance of sex reversion in plants for selection. (Relationship between heterosis, polyploidy, and sexualization). To the 75th birthday anniversary of Dmitrii A. Sabinin. (Rus) *Zhur. Obshch. Biol.* 26(4):416-427. Ref. July/Aug. 1965. 442.8 Z6
- 39512 MOLLENHAUER, H. H., and MORRE, D. J. Tubular connections between dictyosomes and forming secretory vesicles in plant Golgi apparatus. *J. Cell Biol.* 29(2):373-376. Ref. May 1966. 442.8 J828
Corn.
- 39513 MORTIER, J., and LEBEGUE, A. Embryogenesis of Malvaceae; development of embryo in Malva. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(22):1706-1709. Nov. 28, 1966. 505 P21
Malva silvestris and M. moschata.
- 39514 MOSS, G. I. Glutaraldehyde as a fixative for plant tissues. *Protoplasma* 62(2/3):194-200. Ref. 1966. 442.8 P94
- 39515 MUNROE, M. H. Developmental studies of roots and root apoplexy in *Pteridium aquilinum* (L.) Kuhn var. *latiusculum* Desv. *Diss. Abstr.*, Sect. B, 27(1):56B. July 1966. Z5055.U49D53
- 39516 NEARY, G. J., and SAVAGE, J. R. K. Chromosome aberrations and the theory of RBE. II. Evidence from track-segment experiments with protons and alpha particles. *Int. J. Radiat. Biol.* 11(3):209-223. Ref. 1966. 444.8 Iu8
Tradescantia bracteata.
- 39517 OURECKY, D. K. Chromosome morphology in *Sambucus canadensis* var. *maxima* Sch., the American elderberry. *Can. J. Genet. Cytol.* 8(2):188-191. June 1966. 443.8 C16
- 39518 PANTULU, J. V. Chromosomal alterations in pearl millet induced by gamma rays. *Nature* 213(5071):101-102. Jan. 7, 1967. 472 N21
- 39519 PHILIPSON, W. R., and WARD, J. M. The ontogeny of the vascular cambium in the stem of seed plants. *Cambridge Phil. Soc. Biol. Rev.* 40(4):534-579. Ref. Nov. 1965. 442.9 C14
- 39520 POWELL, J. B., and BURTON, G. W. Miniature centric fragment chromosomes in mutagen-treated pearl millet, *Pennisetum typhoides*. *Crop Sci.* 6(6):590-593. Nov./Dec. 1966. 64.8 C883
- 39521 REES, H., and EVANS, G. M. A correlation between the localisation of chiasmata and the replication pattern of chromosomal DNA. *Exp. Cell Res.* 44(1):161-164. Oct. 1966. 442.8 Ex7
Scilla campanulata.
- 39522 REGAL, V., and KOSTOV, K. Determination of quality of *Cynodon dactylon* and *Andropogon ischaemum* by microscopic method. (Bu) Visshe Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):231-236. 1965. 106.3 P72
German summary.
Leaf anatomy.
- 39523 RESENDE, F., and VIANA, M. J. Photo- and thermoperiodism, their interaction for the phenogenesis. I. On some morphogenetic aspects in the vegetative and floral stage (Kalanchoideae). *Port. Acta Biol. Ser. A*, 9(1/2):159-209. Ref. 1965. 442.8 P83
Includes effects of cold on *Bryophyllum dalmatense*.
- 39524 REYNOLDS, J. D. Morphological studies in Diapensiaceae: embryology of *Pxydanthera Michx.* and its taxonomic significance. *Diss. Abstr.*, Sect. B, 27(5):1379B-1380B. Nov. 1966. Z5055.U49D53
- 39525 RIDGWAY, J. E. Some aspects of morphogenesis, biotic coaction, and ultrastructure in the genus *Anthoceros*. *Diss. Abstr.*, Sect. B, 27(1):56B-57B. July 1966. Z5055.U49D53
- 39526 RIMOVSKY, K. A contribution to the methods of selection of soil monoliths and the separation of roots through the watering. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada D.* Spisy Fak. Provozne Ekon. 3:267-274. 1965. HD1940.C95A1
French and German summaries.
Morphology and physiology of roots.
- 39527 ROSTOVTSOVA, Z. P. Morpho-physiological evaluation of early developmental stages of plastid apparatus in the cells of the apical meristem of forage broadbean shoots. (Rus) *Nauch. Dok. Vysshe Shkoly. Biol. Nauk.* 1:117-122. 1965. 442.8 N22
- 39528 SAVAGE, J. R. K. Non-interaction of radiation-induced chromosome lesions in *Tradescantia [paludosa]* microspores. I. Fractionated X-ray dose studies. *Int. J. Radiat. Biol.* 11(3):287-300. Ref. 1966. 444.8 Iu8
- 39529 SCHERTZ, K. F. Morphological and cytological characteristics of five trisomics of *Sorghum vulgare* Pers. *Crop Sci.* 6(6):519-523. Nov./Dec. 1966. 64.8 C883
- 39530 SCHMITT, D. The pistillate inflorescence of sweetgum (*Liquidambar styraciflua* L.). *Silvae Gen.* 15(2):33-35. Ref. Mar./Apr. 1966. 99.3 Z36
Anatomical study.
- 39531 SELLMAN, G. G. Experimental evidence for the nuclear control of differentiation in *Micrasterias*. *J. Embryol. Exp. Morphol.* 16(3):469-485. Ref. Dec. 1966. 442.8 J829
Ultraviolet ray study of *Micrasterias thomasmanniana* notata.
- 39532 SHETTLER, S. G., and MONTGOMERY, F. Insectivorous plants. Washington, 1965. 23 p. Ref. (Smithsonian Institution. Information Leaflet, No. 447) QK917.S45
Chiefly morphology.
- 39533 SIMAK, M., and HAPPEL, C. Pretreatment of conifer seeds for chromosome investigations. (Ge) *Silvae Genet.* 15(2):38-41. Ref. Mar./Apr. 1966. 99.8 Z36
English summary.
- 39534 SKUCAS, C. P. Structure and composition of zoosporangial discharge papillae in the fungus *Allomyces*. *Amer. J. Bot.* 53(10):1006-1011. Ref. Nov./Dec. 1966. 450 Am36
- 39535 SKVARLA, J. J., and LARSON, D. A. Fine structural studies of *Zea mays* pollen. I. Cell membranes and exine ontogeny. *Amer. J. Bot.* 53(10):1112-1125. Ref. Nov./Dec. 1966. 450 Am36
- 39536 SLADKOV, A. N. Once again on palynology. (Rus) *Nauch. Dok. Vysshe Shkoly. Biol. Nauk.* 2:95-100. Ref. 1965. 442.8 N22
Terminology.
- 39537 SOROKIN, H. P., and SOROKIN, S. The spherosomes of *Campanula persicifolia* L.; a light and electron microscope study. *Protoplasma* 62(2/3):216-236. Ref. 1966. 442.8 P94
- 39538 SPARKS, P. D. Comparative morphogenesis and physiological control of the dimorphic leaves of *Cymopsis tetragonoloba* [guar]. *Diss. Abstr.*, Sect. B, 27(1):58B. July 1966. Z5055.U49D53
- 39539 STEINITZ-SEARS, L. M. Somatic instability of telocentric chromosomes in wheat and the nature of the centromere. *Genetics* 54(1,pt.1):241-248. Ref. July 1966. 442.8 G28
- 39540 STERLING, C. Comparative morphology of the carpel in the Rosaceae. IX. Spiraeoideae: Quilajaeae, Sorbariaeae. *Amer. J. Bot.* 53(10):951-960. Ref. Nov./Dec. 1966. 450 Am36
- 39541 STRUNK, C. Formation and reversion of enzymatically produced protoplasts of *Polystichum versicolor*. (Ge) *Biol. Rundsch.* 3(5/6):242-244. 1965. 442.8 B5272

ECOLOGY

- 39542 SUSSMAN, M. Temporal, spatial, and quantitative control of enzyme activity during slime mold [*Dictyostelium discoideum*] cytodifferentiation. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.66-16. Ref. 1965. QH573.B7 Includes discussion.
- 39543 TAZAWA, M., and KAMIYA, N. Water permeability of a characean internodal cell with special reference to its polarity. Australian J. Biol. Sci. 19(3):399-419. Ref. June 1966. 442.8 Au72 Nitella; includes osmosis.
- 39544 THOMSON, W. W. Observations on the ultrastructure of the plasmalemma in oranges. J. Ultrastruct. Res. 16(5/6):640-650. Ref. Dec. 1966. 440.8 J822
- 39545 TITZ, W. Chromosome numbers of three species of Angiospermae from Austria. (Ge) Osterr. Bot. Z. 113(2):187-190. Ref. 1966. 450 Os7 Cephalanthera rubra, Aethusa cynapium and Arenaria micradenia.
- 39546 TOLBERT, R. J., and JOHNSON, M. A. A survey of the vegetative shoot apices in the family Malvaceae. Amer. J. Bot. 53(10):961-970. Ref. Nov./Dec.1966. 450 Am36
- 39547 TORREY, J. G. The initiation of organized development in plants. Advance. Morphogenesis 5:39-91. Ref. 1966. 450 Ad9 Review of the literature. Includes physiology.
- 39548 TRAINOR, F. R., and ROSKOSKY, F. G. Spine patterns in several clones of a Scenedesmus. Amer. Microscop. Soc. Trans. 86(1):16-21. Ref. Jan.1967. 440.9 Am33
- 39549 TRAINOR, F. R. A study of wall ornamentation in cultures of Scenedesmus. Amer. J. Bot. 53(10):995-1000. Ref. Nov./Dec.1966. 450 Am36
- 39550 TURALA, K. Endopolyploidy in the endosperm of Echinocystis lobata. (Ge) Osterr. Bot. Z. 113(2):235-244. Ref. 1966. 450 Os7 English summary.
- 39551 TURIAN, G., and MATIKIAN, N. Conidiation of Neurospora crassa. Nature 212(5066):1067-1068. Dec.3,1966. 472 N21 Morphological and physiological study.
- 39552 TUROVTSOVA, A. G. Cytoembryological study of remote plum hybrids. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:112-116. Ref. 1965. 442.8 N22
- 39553 VAN'T HOF, J. Experimental control of DNA synthesizing and dividing cells in excised root tips of Pisum. Amer. J. Bot. 53(10):970-976. Ref. Nov./Dec.1966. 450 Am36
- 39554 WANG, C. S. Studies of the cell walls of Schizopyllum commune. Diss. Abstr., Sect. B, 27(5):1380A-1381B. Nov.1966. Z5055.U49D53
- 39555 WEBSTER, T. R. Morphology and development of the root in several species of Selaginella Spring. Diss. Abstr., Sect. B, 27(5):1381B. Nov.1966. Z5055.U49D53
- 39556 WIENS, D., and RICHTER, J. A. Artemisia patersonii: a 14-chromosome species of alpine sage. Amer. J. Bot. 53(10):981-986. Ref. Nov./Dec.1966. 450 Am36
- 39557 WILLIAMSON, D. H. Nuclear events in synchronously dividing yeast cultures. In Cameron, I. L., and Padilla, G. M., ed. Cell synchrony, p.81-101. Ref. 1966. QH605.C3
- 39558 WILSON, B. W., and JAMES, T. W. Energetics and the synchronized cell cycle. In Cameron, I. L., and Padilla, G. M., ed. Cell synchrony, p.236-255. Ref. 1966. QH605.C3 Includes Euglena gracilis bacillaris.
- 39559 WILSON, C. L., BRUSHABER, J. A., and AIST, J. R. Proposed mechanisms of asexual nuclear division in Neurospora crassa Shear and Dodge. Ark. Acad. Sci. Proc. 20:17-21. Ref. 1966. 500 Ar2
- 39560 ZWIEDLER, A. Replication of chromosomes in (Allium cepa). (Ge) Schweiz. Ges. Vererbungsforsch. Jahresber. 24:54-64. Ref. 1964. 443.9 Sch9 English summary.
- 39561 ARNOLDI, L. V. Zoobiocoenological research performed in Kazakhstan steppes and general problems of biocoenology. (Rus) Zhur. Obshch. Biol. 26(3):290-299. May/June 1965. 442.8 Z6 English summary.
- 39562 BAKKER, E. M. VAN Z. Moor vegetation and the origin of moors in southern and eastern Africa. (Ge) Bot. Jahrbucher 84(2):215-231. map. Ref. Apr.12,1965. 450 En3B English summary. Ecology.
- 39563 BEALS, E. W. Vegetation of cottonwood [Populus trichocarpa] forests on Kodiak Island. Can. Field-Natur. 80(3):166-171. July/Sept. 1966. 410.9 Ot8
- 39564 BIROT, P. Les formations vegetales du globe [Vegetation groups of the world]. Paris, Societe d'Edition d'Enseignement Supérieur, 1965. 508 p. Ref. QK101.B5 Chiefly plant ecology and physiology as affected by environment.
- 39565 CLAVERAN, A., R. Two modifications to the vegetation photographic charting method. J. Range Manage. 19(6):371-373. Nov.1966. 60.18 J82
- 39566 DAYTON, B. R. The relationship of vegetation to Fredell and other Piedmont soils in Granville County, North Carolina. Elisha Mitchell Sci. Soc. J. 82(2):108-118, map. Ref. Nov.1966. 500 EL4
- 39567 DELIPAVLOV, D. Meadow plant associations in the River Struma Valley. III. (Bu) Visshe Selskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):43-52. 1965. 106.3 P72 German summary.
- 39568 HARO, D. DE. Pycnogonida of the seaweed Halopteris scoparia (L.) of Medas Islands (Girona). (Sp) Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 64(1):5-14, map. 1966. 442.9 So18 English summary.
- 39569 HAYON, J. C. Ecology of continental halophytous vegetation in the department of Moselle. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(25):1977-1979. Dec.19,1966. 505 P21
- 39570 HOLTE, K. E. A floristic and ecological analysis of the excelsior fen complex in northwest Iowa. Diss. Abstr., Sect. B, 27(5):1377B. Nov. 1966. Z5055.U49D53
- 39571 JAEGER, P. Mountain meadow of Loma (Sierra Leone), its distribution and structure. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(16):1089-1091. Oct.17,1966. 505 P21 Study of vegetation.
- 39572 JAYNES, R. A. Natural regeneration from a 40-year old Chinese chestnut planting. J. Forest. 65(1):29-31. Jan.1967. 99.8 F768 Connecticut.
- 39573 JOHNSON, P. S. Vegetational developments after logging in southern Michigan xeric oak forests. Diss. Abstr., Sect. B, 27(5):1346B. Nov.1966. Z5055.U49D53
- 39574 JOHNSON, R. W. Where the brigalow [Acacia harpophylla] scrubs grow. Queensland Agr. J. 92(11):662-667. Nov.1966. 23 Q33 Ecology.
- 39575 KARAMYSEVA, Z. V., and RACHKOVSKAYA, E. I. Phytogeographical regions in the steppe of the central Kazakhstan "Melkosopochnik" (hillock area); preliminary results. (Rus) Bot. Zhur. [Moscow] 51(10):1412-1423. Ref. Oct. 1966. 451 R923 English summary.
- 39576 KARSCHON, R. Environment and microclimatic differentiation at the oasis of En Amaziyah. Rehovot. Nat. Univ. Inst. Agr. Forest. Div. Leaflet. 29.9 p. Oct.1966. 99.9 IL1 In relation to vegetation.
- 39577 KYDD, D. D. The effect of intensive sheep stocking over a five-year period on the development and production of the sward. I-III. Brit. Grassland Soc. J. 21(4):284-302. Ref. Dec.1966. 60.19 B773 Chiefly ecological aspects.

- 39578 LUND, J. W. G. The ecology of the freshwater phytoplankton. Cambridge Phil. Soc. Biol. Rev. 40(2):231-293. May 1965. 442.9 C14 Bibliography, p.276-290,292-293.
- 39579 I'VOV, P. L. Pineto-Quercetum thin forest with an admixture of birch in dry foothills of Dagestan. (Rus) Nauch. Dok. Vysshe Shkoly. Biol. Nauk. 1:127-130. 1965. 442.8 N22
- 39580 MASING, V. Plants, zinc and diamonds. (Es) Eesti Loodus 5:274-277. Sept./Oct.1966. 409.6 Ee7
English summary, p.3 of supplement.
Use of plants as indicators.
- 39581 MOWBRAY, T. B. Vegetational gradients in the Bearwallow Gorge of the Blue Ridge Escarpment. Elisha Mitchell Sci. Soc. J. 82(2): 138-148. Nov.1966. 500 EL4
Ecological study of forests.
- 39582 MULLIGAN, H. F. Comparative application of an electronic particle counter in analyzing natural phytoplankton dynamics in ten replicated ponds. Diss. Abstr., Sect. B, 27(5):1378B-1379B. Nov.1966. Z5055.U49D53
Plant succession studies.
- 39583 NALEWAKO, C. Composition of phytoplankton in surface waters of Lake Ontario. Can. Fish. Res. Board. J. 23(11):1715-1725. Ref. Nov.1966. 442.9 C16J
- 39584 NEUHAUSL, R., MORAVEC, J., and NEUHAUSLOVA-NOVOTNA, Z. Vegetace CSSR, A 1. Synekologiske Studien uber Rohrichte, Wiesen und Auenwalder [Vegetation of the Czechoslovak SSR. A 1. Synecological studies of reeds, pastures and meadow forests]. Prag, Tschechoslowakische Akademie der Wissenschaften, 1965. 519 p.,map. Ref. QK339.C8V4
- 39585 NEWSOME, R. D. A phytosociological study of the forests of the Cypress Hills. Diss. Abstr., Sect. B, 27(5):1379B. Nov.1966. Z5055.U49D53 Canada.
- 39586 OGAWA, H., and others. Comparative ecological study on three main types of forest vegetation in Thailand. I-II. Natur. Life Southeast Asia 4:13-80, map. Ref. Mar.1965. 410 N2195
K. Yoda, T. Kira, K. Ogino, T. Shidei, D. Ratanawongse, and C. Apasutaya, joint authors.
- 39587 PETTY, R. O., and JACKSON, M. T. Plant communities. In Lindsey, A. A., ed. Natural features of Indiana; a symposium, p.264-296, map. Ref. 1966. QH105.L6L5
- 39588 PIELOU, E. C. The measurement of diversity in different types of biological collections. J. Theor. Biol. 13:131-144. Ref. Dec.1966. 442.8 J8223
Plant ecology.
- 39589 RACINE, C. H. Pine communities and their site characteristics in the Blue Ridge Escarpment. Elisha Mitchell Sci. Soc. J. 82(2):172-181. Ref. Nov.1966. 500 EL4
- 39590 RANDUSKA, D. Forest plant communities. (Cz) Les [Bratislava] 22:324-326. 1966. 99.8 L5632
- 39591 ROCHE, B. F. Ecologic studies of yellow starthistle (*Centaurea solstitialis* L.). Diss. Abstr., Sect. B, 27(1):57B. July 1966. Z5055.U49D53
- 39592 SEMENOVA-TYAN-SHANSKAYA, A. M. Regularities in zonal changes of herbaceous vegetation types in the Russian Plane. (Rus) Zhur. Obsch. Biol. 26(3):300-309. Ref. May/June 1965. 442.8 Z6
English summary.
- 39593 SHIMURA, Y. Miscellaneous notes on the ecological observation of Pteridophyta in Japan. (Ja) J. Geobot. 14(1):24-26. Aug.1965. 450 H68
English summary.
- 39594 SOKOLOWSKI, A. Vegetation in the forest reserve "Debowa" on the territory of the forest district Sadlowo, Olsztyn Voivodship. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 303/307:3-44. Ref. 1966. 99.9 W263
English summary.
- 39595 SOKOLOWSKI, A. W. Phytosociological character of spruce woods of Bialowieza Forest [Bialowiecki Park Narodowy]. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 303/307:45-69, map. Ref. 1966. 99.9 W263
English summary.
- 39596 SPEIDEL, B. Changes in the plant composition of permanent pastures with long-term fertilizing. (Ge) Bayer. Landwirt. Jahrbuch 43(2): 214-222. 1966. 18 L24
- 39597 STEPHENSON, S. N. Structure and development of the upland heath synusia in the New Jersey pine barrens. Diss. Abstr., Sect. B, 27(1):58B-59B. July 1966. Z5055.U49D53
Post-fire revegetation.
- 39598 STERN, K. Total variances and covariances in plant stands. II. Phenotypic correlations between even-aged pine and spruce trees and the surrounding competition groups. (Ge) Silvae Genet. 15(1):6-11. Ref. Jan./Feb.1966. 99.8 Z36
English summary.
- 39599 SUKACHEV, V. N. Principal problems in modern biocoenology. (Rus) Zhur. Obsch. Biol. 26(3):249-260. May/June 1965. 442.8 Z6
English summary.
Includes plants.
- 39600 TOMANEK, J., and DUNKOWSKI, S. Preliminary research on the microclimate of treeless rocky slopes in the Swietokrzyski National Park [Swietokrzyski Park Narodowy]. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 290/293:201-224. 1965. 99.9 W263
French summary.
- 39601 TRIBBEY, B. A. A field and laboratory study of ecological succession in temporary ponds. Diss. Abstr., Sect. B, 27(1):336B. July 1966. Z5055.U49D53
Algae included.
- 39602 UHRECKY, I. Study of the microclimate of winter wheat stands. II. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:149-169. 1965. HD1940.C95A1
French and German summaries.

GENETICS

- 39603 ABBONDANDOLO, A., and LOPRIENO, N. Forward mutation studies with N-nitroso-N-methylurethane and N-nitroso-N-ethylurethane in *Schizosaccharomyces pombe*. Mutation Res. 41(1):31-36. Ref. Feb.1967. 443.8 M98
- 39604 ABRAHAM, S., and SMITH, H. H. DNA synthesis in the B chromosomes of maize. J. Hered. 57(3):78-80. Ref. May/June 1966. 442.8 Am3
- 39605 AKHTAR, C. M., and KHAN, R. A. A. Usefulness of application of analysis of co-variance in agricultural research experiments. West Pakistan J. Agr. Res. 3(4):225-232. Dec.1965. 22 W52
In plant breeding.
- 39606 AKHUND-ZADE, I. M. Somatic mutations in persimmon [*Diospyros lotus*] and lemon-trees. (Rus) Moskov. Obsch. Ispytatel. Prirody. Tr. Otd. Biol. 23:264-271. Ref. 1966. 442.9 M855T
English summary.
- 39607 AKHUND-ZADE, I. M., and BRUDNAYA, E. A. A valuable melon radimutant. (Rus) Moskov. Obsch. Ispytatel. Prirody. Tr. Otd. Biol. 23: 240-245. 1966. 442.9 M855T
English summary.
Mutation induced by gamma rays.
- 39608 ALEXANDER, D. E. Problems associated with breeding opaque-2 corns, and some proposed solutions. High Lysine Corn Conf. Proc. 1966:143-147. QK866.M3H5
Discussion, p.166-173.
- 39609 ALLISON, J. C. S., and CURNOW, R. N. On the choice of tester parent for the breeding of synthetic varieties of maize (Zea mays L.). Crop Sci. 6(6):541-544. Ref. Nov./Dec.1966. 64.8 C883
- 39610 APIRION, D. The two-way selection of mutants and revertants in respect to acetate utilization and resistance to fluoro-acetate in *Aspergillus nidulans*. Genet. Res. 6(3):317-329. Ref. Nov.1965. 443.8 G283
- 39611 AQUINO, R. C., and JENNINGS, P. R. Inheritance and significance of dwarfism in an indica rice variety. Crop Sci. 6(6):551-554. Nov./Dec.1966. 64.8 C883

- 39612 ARLETT, C. F. The influence of the cytoplasm on mutation in *Aspergillus nidulans*. *Mutation Res.* 3(5):410-419. Ref. Oct. 1966. 443.8 M98
- 39613 ARMITAGE, F. B., and BURROWS, P. M. Preliminary heritability estimates for *Pinus patula* in Rhodesia. Rhodesia Zambia Malawi J. Agr. Res. 4(2):111-117. Ref. July 1966. 24 R3472
- 39614 ASTAUROV, B. L. Scientific legacy of G. J. Mendel. (Rus) Zhur. Obshch. Biol. 26(5):521-527. Sept./Oct. 1965. 442.8 Z6
- 39615 AVANZI, S., BRUNORI, A., and GIORGI, B. Radiation response of dry seeds in two varieties of *Triticum durum*. *Mutation Res.* 3(5):426-437. Ref. Oct. 1966. 443.8 M98
Genetic study of X-rays effects on wheat.
- 39616 BALERDI, C. F. Breeding behavior of certain characters in Irish potato progenies. Diss. Abstr., Sect. B, 27(5):1348B. Nov. 1966. Z5055.U49D53
- 39617 BAKHSH, A., KHAN, M. U. D., and KHAN, M. A. Some studies on hybrid vigour in advanced generations of maize-teosinte hybrid. West Pakistan J. Agr. Res. 3(4):69-78. Ref. Dec. 1965. 22 W52
- 39618 BANDLOW, G. Inbreeding. (Ge) Forsch. Fortschr. 40(4):97-102. Ref. Apr. 1966. 474 F772
Includes plants.
- 39619 BAROCKA, K. H., and HAUFE, W. Selection of single plants of sugar beets based on seed yield character. (Ge) Z. Pflanzenzucht. 54(3):247-258. Dec. 1965. 450 Z36
English summary.
- 39620 BLIANDUR, O. V., and LYSIKOV, V. N. Corn mutations induced by chemical mutagens. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:113-116. 1966. 442.9 M855T
English summary.
- 39621 BOND, D. A. Yield and components of yield in diallel crosses between inbred lines of winter beans (*Vicia faba*). J. Agr. Sci. [London] 67(3):325-336. Dec. 1966. 10 J822
- 39622 BRAY, R. A., and BRINK, R. A. Mutation and paramutation at the R locus in maize. *Genetics* 54(1,pt.1):137-149. Ref. July 1966. 442.8 G28
Includes alleles.
- 39623 BRIDGE, R. R. A study of heterosis in interspecific crosses of *Bothriochloa*. Diss. Abstr., Sect. B, 27(1):15B. July 1966. Z5055.U49D53
- 39624 BROOKHAVEN NATIONAL LABORATORY. BIOLOGY DEPT. Genetic control of differentiation; report of symposium held June 7-9, 1965. Upton, New York, 1965. 270 p. Ref. (Brookhaven Symposia in Biology, No. 18) QH573.B7
Atomic Energy Commission. BNL 931 (C-44). Includes plants and insects.
- 39625 BRUCHER, H. Gene introgression in *Solanum chacoense*? (Ge) Biol. Zentralbl. 85(5):627-634. Ref. Sept./Oct. 1966. 442.8 B523
- 39626 BRUNORI, A., AVANZI, S., and D'AMATO, F. Chromatid and chromosome aberrations in irradiated dry seeds of *Vicia faba*. *Mutation Res.* 3(4):305-313. Ref. Aug. 1966. 443.8 M98
X-rays.
- 39627 BUDASHKINA, E. B., and SHCHAPOVA, A. I. Experimental obtaining of spring wheat forms resistant to *Puccinia tritici* Eriks. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:84-86. 1966. 442.9 M855T
English summary.
Induced mutation by treatment of seeds with gamma rays.
- 39628 BUIATTI, M., and RAGAZZINI, R. The mutagenic effect of acridine orange in tomato (*Lycopersicon esculentum*). *Mutation Res.* 3(4):360-361. Aug. 1966. 443.8 M98
- 39629 CALDWELL, R. M. Advances and challenges in the control of plant diseases through breeding. U. S. Agr. Res. Serv. ARS-33-110:117-126. Ref. July 1966. A420 R31
- 39630 CHAGANTI, R. S. K. Cytogenetic studies of maize-Tripsacum hybrids and their derivatives. Cambridge? Bussey Institution, Harvard University, 1965. 93 p. SB191.M2C4
Thesis—Harvard University.
- 39631 CHAUHAN, S. V. S., and SINGH, S. P. Pollen abortion in male-sterile hexaploid wheat (norin) having *Aegilops ovata* L. cytoplasm. *Crop Sci.* 6(6):532-535. Ref. Nov./Dec. 1966. 64.8 C883
- 39632 CHAVERRA GIL, H. Inheritance of digestibility and related factors in *Medicago sativa* L. Diss. Abstr., Sect. B, 27(1):2B-3B. July 1966. Z5055.U49D53
- 39633 CHERNYI, I. V. Variation in content and quality of gluten in spring-wheat caused by radiation. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:47-51. 1966. 442.9 M855T
English summary.
Effect of gamma rays and fast neutrons on mutation.
- 39634 CHIRKOVSKII, V. I., and SARYCHEV, U. F. Chromosomal aberrations in tobacco depending on the air moisture condition when storing seeds. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:322-323. 1966. 442.9 M855T
English summary.
- 39635 CLARKE, C. H. Mutation specificity among reversions of ultraviolet-induced adenine-1 mutants of *Schizosaccharomyces pombe*. *Genet. Res.* 6(3):433-441. Ref. Nov. 1965. 443.8 G283
- 39636 CORNELL UNIVERSITY. STATE COLLEGE OF AGRICULTURE. DEPT. OF PLANT BREEDING. BIOMETRICS UNIT. The eighteenth annual report, July 1, 1965 to August 31, 1966. Ithaca, 1966. 74 p. 325.9 C81
- 39637 DANKANITS, E. A contribution to the study of changes in tomatoes properties caused by X-rays. (Rum) Bucharest. Inst. Cercet. Hortiv. Lucrari Stiint. 7:987-993. Ref. 1963/64, pub. 1966. 86 R862
French summary.
Seeds.
- 39638 DAY, A. D., and THOMPSON, R. K. Inheritance of awns in a cross between *Avena byzantina* C. Koch and *Avena fatua* L. *Crop Sci.* 6(6):608-609. Nov./Dec. 1966. 64.8 C883
- 39639 DE SERRES, F. J. Carbon dioxide stimulation of the as-3 mutants of *Neurospora crassa*. *Mutation Res.* 3(5):420-425. Ref. Oct. 1966. 443.8 M98
- 39640 DRISCOLL, C. J. Gene-centromere distances in wheat by aneuploid F2 observations. *Genetics* 54(1,pt.1):131-135. July 1966. 442.8 G28
- 39641 DRYAGINA, I. V., and KAZARINOV, G. E. Effect of ionizing radiation on corns and seeds of *Gladiolus*. (Rus) Nauch. Dok. Vyssh. Shkoly. Biol. Nauk. 1:91-94. 1965. 442.8 N22
Effect on mutation and germination.
- 39642 DRYAGINA, I. V., and KAZARINOV, G. E. Use of ionizing radiation in *Gladiolus* breeding. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:272-279. Ref. 1966. 442.9 M855T
English summary.
In relation to mutations.
- 39643 DUDLEY, J. W., and DAVIS, R. L. Preliminary groupings of plant introductions of alfalfa (*Medicago sativa*, L.) for heterosis studies. *Crop Sci.* 6(6):597-600. Nov./Dec. 1966. 64.8 C883
- 39644 EBERT, D. The importance of seeds and nursery stock to the yield of crop plants. (Ge) *Feldwirtschaft* 7(11):574-577. Ref. Nov. 1966. 18 W763
Breeding, physiology, handling, and rotations.
- 39645 EBERT, W. W., and KNOWLES, P. F. Inheritance of pericarp types, sterility, and dwarfness in several safflower crosses. *Crop Sci.* 6(6):579-582. Nov./Dec. 1966. 64.8 C883
- 39646 EIGES, N. S. Mutagenic effect of various concentrations of ethylenimine on winter wheat. (Rus) Mosk. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:66-78. Ref. 1966. 442.9 M855T
English summary.
- 39647 EMERY, G. C. Effects of inherited differences in growth habit on harvest pattern and fruit characteristics in tomato. Diss. Abstr., Sect. B, 27(5):1348B-1349B. Nov. 1966. Z5055.U49D53

- 39648 ENKEN, V. B. The role of genotype in experimental mutagenesis. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:23-34. Ref. 1966. 442.9 M855T
English summary.
Effect of gamma rays and ethylenimine on grain and legumes.
- 39649 EPHRUSSI, B., JAKOB, H., and GRANDCHAMP, S. Study of the suppressiveness of mutants with respiratory deficiency in yeasts. II. Stages of the big mutation into the small one induced by the suppressive factor. (Fr) Genetics 54 (1,pt.1):1-29. Ref. July 1966. 442.8 G28
English summary.
- 39650 FERGASON, V. L., HELM, J. L., and ZUBER, M. S. Gene dosage effects at the ae locus on amylose content of corn endosperm. J. Hered. 57(3):90,94. May/June 1966. 442.8 Am3
- 39651 FILIPPOVA, O. A. Gamma-ray effect on changes in some characters in seed potato offspring. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:222-228. 1966. 442.9 M855T
English summary.
Study of mutations.
- 39652 FUCHINOUE, Y., and FUCHINOUE, H. Methodological study on the creation of the variety for seedage of tea plant. I. On the analysis of self-incompatibility alleles of three main varieties (*Thea sinensis* L.). (Ja) Jap. J. Breeding 16(3):191-198. Ref. Sept.1966. 64.8 J27
English summary.
- 39653 FURSOV, V. N. Some problems of mutation in fine-fibered cotton, *Gossypium barbadense* L. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:202-204. 1966. 442.9 M855T
- 39654 GALAL, H. EL, MILLER, P. A., and LEE, J. A. Heterosis in relation to development in upland cotton, *Gossypium hirsutum* L. Crop Sci. 6(6):555-559. Ref. Nov./Dec.1966. 64.8 C883
- 39655 GERASIMENKO, I. I. Differentiation in mutation process of soybean varieties. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:155-158. 1966. 442.9 M855T
English summary.
Gamma rays used.
- 39656 GERSTEL, D. U. Effect of monosomy on variation in hybrids between two species of *Nicotiana*. J. Hered. 57(4):126-128. July/Aug.1966. 442.8 Am3
- 39657 GLENDINNING, D. R. Incompatibility alleles of cocoa. Nature 213(5073):306. Jan.21,1967. 472 N21
- 39658 GOTTSCHALK, W. Influencing fertility of plants with mutated genes. (Ge) Umschau 65 (23):729-734. Dec.1,1965. 474 Um7
Tests with peas.
- 39659 GOTTSCHALK, W. Mutation research in modern plant breeding. (Ge) Umschau 65(22):693-697. Ref. Nov.15,1965. 474 Um7
- 39660 GRIFFITHS, A. J. F., and THRELKELD, S. F. H. Internuclear effects on protophore frequencies of some crosses in *Neurospora crassa*. Genetics 54(1,pt.1):77-87. Ref. July 1966. 442.8 G28
- 39661 GRITSENKO, R. I., and KVASOVA, E. V. Chlorophyll mutation induced in spring barley. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:289-293. 1966. 442.9 M855T
English summary.
By ethylenimine and gamma rays.
- 39662 GULAMOV, M. K. K., NARIMOV, S., and ATAZHANOV, M. A. Obtaining new cotton plant forms by different ways of seed radiation treatment and different growing conditions. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:192-197. 1966. 442.9 M855T
English summary.
Gamma rays used.
- 39663 HAKAM, M. M., and DESSOUKI, S. M. Some genetic studies on erectoides mutations in barley and its bearing on quantitative inheritance. Agr. Res. Res. 44(1):25-37. Ref. Jan. 1966. 24 Eg94
- 39664 HALLORAN, G. Pairing between *Triticum aestivum* and *Haynaldia villosa* chromosomes. J. Hered. 57(6):233-235. Ref. Nov./Dec.1966. 442.8 Am3
- 39665 HALLORAN, G. M. Gene dosage and character expression in bread wheat. Australian Inst. Agr. Sci. J. 32(3):228-229. Sept.1966. 23 Au74
- 39666 HAUN, C. R. Observations on segregation for solid and hollow stems and certain other characters in five hexaploid by tetraploid *Triticum* crosses. Crop Sci. 6(6):571-573. Nov./Dec. 1966. 64.8 C883
- 39667 HESLOT, H. Induction of plant mutation. (Fr) Schweiz. Ges. Vererbungsforsch. Jahresber. 24:25-44. Ref. 1964. 443.9 Sch9
- 39668 HESLOT, H., FERRARY, R., and TEMPE, J. The relative mutagenic effects of some nitro-samines on barley seeds. Mutation Res. 3(4):354-355. Aug.1966. 443.8 M98
- 39669 IBRACIMOV, SH. I., KOVALCHUK, R. I., and PAIZIEV, P. High-yielding mutant obtained after irradiation of cotton with Co⁶⁰ gamma-rays. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:171-178. 1966. 442.9 M855T
English summary.
- 39670 IKEDA, N., and UDO, S. Genome analysis in the genus *Mentha*. 2. Genome analysis of *Mentha spicata* L. (Ja) Jap. J. Breeding 16(2):96-106. June 1966. 64.8 J27
English summary.
- 39671 IMAMALIEV, G. N., and KHVOSTOVA, V. V. Mutations obtaining in ornamental *Phlox* plants. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:280-283. 1966. 442.9 M855T
English summary.
By gamma rays irradiation.
- 39672 IMAMALIEV, G. N. X-ray and fast neutron effects on variation in cherry-tree variety *Vladimirskaia*. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:252-258. Ref. 1966. 442.9 M855T
English summary.
- 39673 JAMES, A. P., and WERNER, M. M. Radiation-induced genetic mosaicism and lethal sectoring in yeast. Mutation Res. 3(6):477-485. Ref. Dec.1966. 443.8 M98
X-rays.
- 39674 JELLUM, M. D. Fatty acid composition of corn oil of parental inbreds and reciprocal crosses. J. Hered. 57(6):243-244. Nov./Dec.1966. 442.8 Am3
- 39675 KASYANENKO, A. G. Inducing by irradiation chlorophyll mutants in *Arabidopsis thaliana* L. (Heynh.) and photosynthetic intensiveness in some of them. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:284-285. 1966. 442.9 M855T
English summary.
Gamma rays used.
- 39676 KAWAGUCHI, K. Studies on artificial selection of gametophyte (pollen) in relation to plant breeding in two-rowed barley. I. Selection of some qualitative characters by high temperature treatment of F₁ spikelets just before flowering. (Ja) Jap. J. Breeding 16(2):113-120. June 1966. 64.8 J27
English summary.
- 39677 KEHR, A. E. Current status and opportunities for the control of nematodes by plant breeding. U. S. Agr. Res. Serv. ARS-33-110:126-138. July 1966. A420 R31
Review of the literature.
- 39678 KHALIL, A. R., and FAWZY, A. L. A biometrical genetic study of four open-pollinated varieties of corn and their crosses. Agr. Res. Rev. 44(1):39-56. Ref. Jan.1966. 24 Eg94
United Arab Republic.
- 39679 KHANGIL'DIN, V. V. Pea mutations induced by X-rays and gamma-irradiation. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:134-140. 1966. 442.9 M855T
English summary.
- 39680 KHUSH, G. S., and RICK, C. M. The origin, identification, and cytogenetic behavior of tomato monosomics. Chromosoma 18(3):407-420. Ref. 1966. 442.8 C46
- 39681 KHVOSTOVA, V. V. Comparative analysis of ionizing radiation and chemical mutagenic effect of higher plants. (Rus) Moskov. Obschch. Ispytatelei Prirody. Tr. Otd. Biol. 23:9-22. Ref. 1966. 442.9 M855T
English summary.

- 39682 KHVOSTOVA, V. V., TURKOV, V. D., and ESIPOVA, Z. I. Economic evaluation of tomato mutants. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:217-221. 1966. 442.9 M855T
English summary.
Induced by gamma rays and ethylenimine.
- 39683 KILBEY, B. J., and DE SERRES, F. J. Quantitative and qualitative aspects of photoreactivation of premutational ultraviolet damage at the ad-3 loci of *Neurospora crassa*. Mutation Res. 4(1):21-29. Ref. Feb. 1967. 443.8 M98
- 39684 KISLYUCK, M. M. Low temperatures as a mutagenic factor. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:317-321. 1966. 442.9 M855T
English summary.
Effect on grain crops.
- 39685 KULIK, M. I. Early maturing and high-yielding tomato mutants obtained by gamma-ray treatment. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:213-216. 1966. 442.9 M855T
English summary.
- 39686 KUNAKBAYEV, S. Preliminary results of mutagenic effects in winter wheat breeding. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:52-59. 1966. 442.9 M855T
English summary.
As affected by gamma rays.
- 39687 KUSHIBUCHI, K., HASHIGUCHI, S., and ITO, R. Studies on the biometrical selective method. I. Quantitative expression of the breeding purpose. (Ja) Jap. J. Breeding 16(3):179-183. Sept. 1966. 64.8 J27
English summary.
- 39688 KVASNIKOV, B. V., and DOLGIKH, S. T. Obtaining starting material for tomato and pea breeding by seed and seed plants C_{60} -irradiation and radioactive phosphorus (P_{32}) treatment. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:205-212. 1966. 442.9 M855T
English summary.
Mutations.
- 39689 LATTE, B. D. H. Quantitative genetic analysis in *Phalaris tuberosa*. I. The statistical theory of open-pollinated progenies. Genet. Res. 6(3):360-370. Ref. Nov. 1965. 443.8 G283
- 39690 LATTE, B. D. H. Quantitative genetic analysis in *Phalaris tuberosa*. II. Assortative mating and maternal effects in the inheritance of date of ear emergence, seed weight and seedling growth rate. Genet. Res. 6(3):371-386. Ref. Nov. 1965. 443.8 G283
- 39691 LOBASHEV, M. E. Genetics and natural history (to the centenary of G. J. Mendel's discovery). (Rus) Zhur. Obshch. Biol. 26(5):513-520. Sept./Oct. 1965. 442.8 Z6
- 39692 LOPRIENO, N. Differential response of *Schizosaccharomyces pombe* to ethyl methanesulfonate and methyl methanesulfonate. Mutation Res. 3(6):486-493. Ref. Dec. 1966. 443.8 M98
- 39693 LYASHCHENKO, I. F. Gamma-ray effect on albino plant development in sunflowers. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:300-305. 1966. 442.9 M855T
English summary.
- 39694 LYSKOV, V. N. Study of corn mutation induced by radiation. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:117-119. 1966. 442.9 M855T
English summary.
Gamma rays, beta rays and neutrons.
- 39695 MALLING, H. V. Hydroxylamine as a mutagenic agent for *Neurospora crassa*. Mutation Res. 3(6):470-476. Ref. Dec. 1966. 443.8 M98
- 39696 MALLING, H. V. Mutagenicity of two potent carcinogens, dimethylnitrosamine and diethylnitrosamine, in *Neurospora crassa*. Mutation Res. 3(6):537-540. Ref. Dec. 1966. 443.8 M98
- 39697 MARTIN, F. W. Sex ratio and sex determination in *Dioscorea*. J. Hered. 57(3):95-99. Ref. May/June 1966. 442.8 Am3
- 39698 MCCLINTOCK, B. The control of gene action in maize. In: Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.162-184. Ref. 1965. QH573.B7
Includes discussion.
- 39699 MCCOLLUM, G. D. Heritability and genetic correlation of some onion bulb traits; estimates from S_1 offspring-on-parent regression. J. Hered. 57(3):105-110. May/June 1966. 442.8 Am3
Variation in shape.
- 39700 MCCULLY, K. S., and FORBES, E. The use of p-fluorophenylamine with "master strains" of *Aspergillus nidulans* for assigning genes to linkage groups. Genet. Res. 6(3):352-359. Ref. Nov. 1965. 443.8 G283
- 39701 MCMULLEN, J. L. Cytogenetic studies of *Oenothera lacinata*. Diss. Abstr., Sect. B, 27(1):55B-56B. July 1966. Z5055.U49D53
- 39702 MENZEL, M. Y., and PRICE, J. M. Fine structure of synapsed chromosomes in F_1 *Lycopersicon esculentum*-*Solanum lycopersicoides* and its parents. Amer. J. Bot. 53(10):1079-1086. Ref. Nov./Dec. 1966. 450 Am36
- 39703 MERTZ, E. T. Improving the nutritional value of cereal grains by the use of gene mutations and selective breeding. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(6,pt.1):1662. Nov./Dec. 1966. 442.9 F31P
- 39704 METWALLY, M. A. M. Estimation of number of genes controlling number of leaves in *Zea mays*. Agr. Res. Rev. 43(3):39-45. July 1965. 24 Eg94
- 39705 MEYER, V. G. Environmental effects on the differentiation of abnormal cotton flowers. Amer. J. Bot. 53(10):976-980. Nov./Dec. 1966. 450 Am36
Gene-cytoplasm study.
- 39706 MICKE, A. Influence of modifying factors on the irradiation effect on seeds. (Ge) Z. Pflanzenzucht. 55(1):29-66. Ref. Feb. 1966. 450 Z36
English summary.
Mutagenic X-ray treatments of sweetclover and barley seeds.
- 39707 MIRI, R. K., and BUBAR, J. S. Self-incompatibility as an outcrossing mechanism in bird-foot trefoil (*Lotus corniculatus*). Can. J. Plant Sci. 46(4):411-418. Ref. July 1966. 450 C16
- 39708 MOLIN, V. I. The use of gamma-rays and ethylenimine for obtaining breeding material in spring wheat. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:79-83. 1966. 442.9 M855T
English summary.
Effect on mutation.
- 39709 MOZHAIEVA, V. S. Utilization of winter wheat radio-mutants in breeding work. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:60-65. 1966. 442.9 M855T
English summary.
Induced by gamma rays.
- 39710 MUGNOZZA, G. T. S., and MONTI, L. M. Effects of recurrent mutagenic treatment in durum. Mutation Res. 3(4):298-304. Ref. Aug. 1966. 443.8 M98
With X-rays and ethylenimine.
- 39711 MURASHIGE, T., and NAKANO, R. Tissue culture as a potential tool in obtaining polyploid plants. J. Hered. 57(4):115-118. Ref. July/Aug. 1966. 442.8 Am3
Nicotiana tabacum.
- 39712 MYERS, O., and RHODES, B. B. Effect of growth substances on phenotypic expression of the knotted (Kn) gene of *Zea mays*. Ark. Acad. Sci. Proc. 20:32-38. 1966. 500 Ar42
- 39713 NAKAJIMA, G. Karyo-genetical studies of trigeneric triple hybrids in *Triticinae*. X. External characteristics and meiosis in PMC's [pollen mother cells] of TcRPH $\frac{1}{2}$ and the number of somatic chromosomes of F_2 plants. (Ja) Jap. J. Genet. 41(2):93-107. Ref. Apr. 1966. 442.9 J27
English summary.
Secale cereale, *Triticum vulgare*, and *T. persicum*-*Haynaldia villosa*.
- 39714 NARAIN, P. Effect of linkage on homozygosity of a population under mixed selfing and random mating. Genetics 54(1,pt.1):303-314. Ref. July 1966. 442.8 G28
Plants; statistical method of research.

- 39715 NARIAN, A., and PRAKASH, S. Synthesis of a new amphidiploid species of Brassica: *B. amarifolia* Narain and Prakash. *Nature* 213(5072): 198-199. Jan.14,1967. 472 N21
- 39716 NAWAR, M. M. Biological effects of single and multiple treatments with ethylenimine, nitrogen mustards, and gamma rays on barley. *Diss. Abstr.*, Sect. B, 27(1):44B. July 1966. Z5055.U49D53
- 39717 NAZIROV, N. N., and ZHALILOV, O. Obtaining a large-billed, early maturing cotton form by treatment with radioactive phosphorus. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:198-201. 1966. 442.9 M855T
English summary.
Mutagenic effects.
- 39718 NAZIROV, N. N., and DZHANKULOV, F. Radioactive phosphorus (P32) and thermal neutron radiation effects on mutation in cotton plants. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:186-191. 1966. 442.9 M855T
English summary.
- 39719 NELSON, O. E. Mutant genes that change the composition of maize endosperm proteins. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25 (6,pt.1):1676-1678. Nov./Dec.1966. 442.9 F31P
- 39720 NELSON, O. E. Opaque-2, floury-2 and high-protein maize. *High Lysine Corn Conf. Proc.* 1966:156-160. QK866.M3H5
Genetics.
Discussion, p.166-173.
- 39721 NICHOLLS, A. G. Effects of self-compatibility on reciprocal differences and combining ability in *Medicago sativa* L. *Diss. Abstr.*, Sect. B, 27(1):42B. July 1966. Z5055.U49D53
- 39722 NITTLER, L. W., and KENNY, T. J. Testing birdsfoot trefoil, *Lotus corniculatus* L., for varietal purity. III. The use of N-dimethylaminosuccinamic acid to induce varietal differences. *Crop Sci.* 6(6):601-604. Nov./Dec. 1966. 64.8 C883
- 39723 NUZHDI, N. I., PASTUSHENKO-STRELETS, N. A., and SHANGIN-BEREZOVSKI, G. N. Effect of ecological conditions of growth and physiological state of seeds on the rate and character of chlorophyll mutations in barley after gamma-irradiation. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23: 294-299. 1966. 442.9 M855T
English summary.
- 39724 ORHLER, E. Interspecific and intergeneric hybridization of *Triticinae*. (Fr) *Schweiz. Ges. Vererbungsforsch. Jahresber.* 24:45-51. 1964. 443.9 Sch9
Includes chromosomes.
- 39725 OLEMO, J. R. Determination of linkage intensities between translocation breakpoints and a qualitative factor whose dominant F3 classes are not clearly distinctive. *Genetics* 54(1,pt.1):115-119. July 1966. 442.8 G28
Resistance of barley to insect attack; includes mathematical method.
- 39726 ORAV, T. Influence of growth conditions upon the late stage of mutagenesis. (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4:462-470. Ref. 1965. 442.9 Ak18
English summary.
Plants.
- 39727 PATEMAN, J. A., and FINCHAM, J. R. S. Complementations and enzyme studies of revertants induced in an am mutant of *N. crassa*. *Genet. Res.* 6(3):419-432. Ref. Nov.1965. 443.8 G283
- 39728 PETTERSON, P. A. Phase variation of regulatory elements in maize. *Genetics* 54(1,pt.1): 249-266. Ref. July 1966. 442.8 G28
Includes genes, alleles and mutation.
- 39729 POONAI, P. Genetic behaviour of spikelet length, spikelet breadth and plant height in cultivated rice (*Oryza sativa*) in the F3 generation. *Diss. Abstr.*, Sect. B, 27(5):1350B. Nov.1966. Z5055.U49D53
- 39730 POVILAITIS, B. Inheritance of leaf width and length in tobacco. *Tobacco [New York]* 164(1): 29-33. Ref. Jan.6,1967. 286.8r T552
- 39731 PRAKKEN, R. Present developments in genetics: structure and work of genes. II. (Du) *Landbouwkundig Tijdschr.* 78(11):381-389. Nov.1966. 105.2 Or3
Plants and animals.
- 39732 PRIVALOV, G. F. Induced mutations of generative and vegetative organs in forest trees in the first generation. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:259-263. Ref. 1966. 442.9 M855T
English summary.
By X-ray treatment of seeds.
- 39733 QUINBY, J. R. Fourth maturity gene locus in sorghum. *Crop Sci.* 6(6):516-518. Nov./Dec. 1966. 64.8 C883
- 39734 RANA, R. S. Induced twinning in barley. *J. Hered.* 57(6):227-229. Ref. Nov./Dec.1966. 442.8 Am3
- 39735 RHODES, B. B., and MYERS, O. Dosage effects of the knotted gene on growth and development in maize. *J. Hered.* 57(3):91-94. May/June 1966. 442.8 Am3
- 39736 RILEY, R., and others. Control of meiotic chromosome pairing by the chromosomes of homeologous group 5 of *Triticum aestivum*. *Nature* 212(5069):1475-1477. Ref. Dec.24, 1966. 472 N21
V. Chapman, R. M. Young, A. M. Belfield, joint authors.
- 39737 RILEY, R., and MILLER, T. E. The differential sensitivity of desynaptic and normal genotypes of barley to X-rays. *Mutation Res.* 3 (4):355-359. Ref. Aug.1966. 443.8 M98
- 39738 EL-SADEK, L. M. The effects of ethylenimine on the genes and chromosomes of barley. *Diss. Abstr.*, Sect. B, 27(5):1370B. Nov.1966. Z5055.U49D53
- 39739 SAKAMOTO, S., and MURAMATSU, M. Cytogenetic studies in the tribe *Triticeae*. II. Tetraploid and hexaploid hybrids of *Agropyron*. (Ja) *Jap. J. Genet.* 41(2):155-168. Ref. Apr.1966. 442.9 J27
- 39740 SALEM, I. A. The inheritance of onion bulb shape and its component measurements. *Diss. Abstr.*, Sect. B, 27(5):1373B. Nov.1966. Z5055.U49D53
- 39741 SCHWARTZ, D. The genetic control of alcohol dehydrogenase in maize: gene duplication and repression. *Nat. Acad. Sci. Proc.* 56(5):1431-1436. Ref. Nov.1966. 500 N21P
- 39742 SHARMA, B. Effect of radiations and some chemical factors on mutation process in pea (*Pisum sativum* L.). (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:126-133. Ref. 1966. 442.9 M855T
English summary.
- 39743 SHARMA, B., and ORAV, T. Probability of inducing more than one mutation in plant progeny. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4: 471-476. 1965. 442.9 Ak18
English summary.
Peas.
- 39744 SHEPELEV, V. M., BABUSHKINA, N. I., and SLAVGORODSKAYA, L. P. Mutation variation in remote hybrids under gamma-ray treatment. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:87-91. Ref. 1966. 442.9 M855T
English summary.
Wheat-Agropyron hybrids.
- 39745 SHIBUYA, T. Studies on partial male-sterility in rice plant. (Ja) *Jap. J. Breeding* 16(3):174-178. Sept.1966. 64.8 J27
English summary.
- 39746 SHIRSHOV, V. A., and SHAIN, S. S. Leguminous plant variation under gamma-ray treatment. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:159-163. 1966. 442.9 M855T
English summary.
- 39747 SHKVARNIKO, P. K. The significance of experimental mutation in agricultural plant breeding. (Rus) *Moskov. Obshch. Ispytatelei Prirody*. Tr. Otd. Biol. 23:35-46. Ref. 1966. 442.9 M855T
English summary.

- 39748 SHUMWAY, L. K. Inheritance and characterization of nonchromosomal stripe of maize. Diss. Abstr., Sect. B, 27(1):48B. July 1966. Z5055.U49D53
- 39749 SIDOROVA, K. K., KALININA, N. P., and UZHINTSEVA, L. P. Peculiarities of mutation process in some pea forms and varieties. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:141-149. Ref. 1966. 442.9 M855T
English summary.
As affected by gamma rays and ethylenimine.
- 39750 SOEBIAPRADJA, R. A diallel cross analysis of fiber strength in four varieties of upland cotton. Diss. Abstr., Sect. B, 27(1):18B. July 1966. Z5055.U49D53
- 39751 SOLOMKO, E. A. Induced mutations of practical value in potatoes. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:235-239. 1966. 442.9 M855T
English summary.
By ionizing radiation.
- 39752 STANSEL, J. W. The influence of heredity and environment on endosperm characteristics of rice (*Oryza sativa*). Diss. Abstr., Sect. B, 27(1):48B. July 1966. Z5055.U49D53
- 39753 STEBBINS, G. L. Some relationships between mitotic rhythm, nucleic acid synthesis, and morphogenesis in higher plants. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.204-221. Ref. 1965. QH573.B7
Includes discussion.
- 39754 STEWART, R. N., and ARISUMI, T. Genetic and histogenic determination of pink bract color in poinsettia [*Euphorbia pulcherrima*]. J. Hered. 57(6):217-220. Ref. Nov./Dec.1966. 442.8 Am3
- 39755 STRINGAM, G. R., and ELLING, L. J. Tetrasomic inheritance of a lethal character in *Medicago sativa* L. Crop Sci. 6(6):587-589. Ref. Nov./Dec.1966. 64.8 C883
- 39756 TALIAPFERRO, C. M. Genetics of reproduction in *Pennisetum ciliare*. Diss. Abstr., Sect. B, 27(1):49B. July 1966. Z5055.U49D53
- 39757 TANKA, S., and SEKIGUCHI, F. Studies on effective irradiation techniques to induce mutations in rice. Jap. J. Breeding 16(3):184-190. Sept.1966. 64.8 J27
- 39758 TAYLOR, N. L., DADE, E., and GARRISON, C. S. Factors involved in seed production of red clover clones and their polycross progenies at two diverse locations. Crop Sci. 6(6):535-538. Ref. Nov./Dec.1966. 64.8 C883
- 39759 TERESHCHENKO, N. M. Gamma-irradiation in pea breeding. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:150-154. 1966. 442.9 M855T
English summary.
Genetic study.
- 39760 TERRY, K. Suppression of a *Neurospora* td mutant that lacks cross-reacting material. Genetics 54(1,pt.1.):105-114. Ref. July 1966. 442.8 G28
Neurospora crassa; action of the suppressor gene in the tryptophan synthetase
- 39761 TURBIN, N. V., and VOLODIN, V. G. The frequency of hereditarily-changed forms of wheat under conditions of random pollination and inbreeding. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:107-112. 1966. 442.9 M855T
English summary.
- 39762 UGENT, D. Hybrid weed complexes in *Solanum*, section *tuberosum*. Diss. Abstr., Sect. B, 27(4):1050B. Oct.1966. Z5055.U49D53
Genetics and hybridization of wild potato spp. with cultivated potatoes.
- 39763 URICH, M. A. Sources of genetic variability in Kaw 61 and Ottawa wheats. Diss. Abstr., Sect. B, 27(5):1351B-1352B. Nov.1966. Z5055.U49D53
- 39764 VAN VALEN, L. Genetics of mitochondria. Science 155(3763):722. Feb.10,1967. 470 Sci2
In corn.
- 39765 VOIGT, R. L., GARDNER, C. O., and WEBSTER, O. J. Inheritance of seed size in *Sorghum vulgare* Pers. Crop Sci. 6(6):582-586. Ref. Nov./Dec.1966. 64.8 C883
- 39766 VOLODIN, V. G. The effect of repeated irradiation of a few wheat generation on mutability changes. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:92-96. Ref. 1966. 442.9 M855T
English summary.
- 39767 WEILING, F. Study of patterns of mutations in plants induced by X-rays. (Ge) Biol. Plant. 8(3):175-186. Ref. 1966. 450 B52
- 39768 WELLHAUSEN, E. J. The incorporation of opaque-2 into tropical varieties of maize. High Lysine Corn Conf. Proc. 1966:148-155. QK866.M3H5
Discussion, p.166-173.
- 39769 WERZ, G. Determination and realization of morphogenesis in *Acetabularia*. In Brookhaven National Laboratory. Biology Dept. Genetic control of differentiation, p.185-203. Ref. 1965. QH573.B7
Includes discussion.
- 39770 WORKMAN, P. L., and JAIN, S. K. Zygotic selection under mixed random mating and self-fertilization: theory and problems of estimation. Genetics 54(1,pt.1.):159-171. Ref. July 1966. 442.8 G28
Barley and lima beans; statistical method of research.
- 39771 YASHINA, I. M., and KIRSANOVA, E. V. Obtaining hereditary changes in potatoes under gamma-ray treatment. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:229-234. 1966. 442.9 M855T
English summary.
- 39772 ZARUBAILO, T. YA., KISLIUK, M. M., and KOZHUSHKO, N. N. Experimentally-obtained mutations in cereals (wheat, barley, oats) induced by ionizing radiation. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:101-106. 1966. 442.9 M855T
English summary.
Gamma rays and neutrons.
- 39773 ZETTERBERG, G. Recovery from the mutagenic effect of ultraviolet irradiation in *Ophiostoma* [multianulatum]. Mutation Res. 3(5):393-409. Ref. Oct.1966. 443.8 M98
- 39774 ZHELEZNOV, A. V. Experimental mutations in buckwheat. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:164-170. Ref. 1966. 442.9 M855T
English summary.
Effect of gamma rays.
- 39775 ZOSIMOVICH, V. P., SAFIN, M. K., and DEMCHENKO, V. E. Peculiarities of gamma-ray, fast neutrons, and ethylenimine effects on rye and beet autopolyploids. (Rus) Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol. 23:306-310. 1966. 442.9 M855T
English summary.
Chromosomal mutations.

PHYSIOLOGY AND BIOCHEMISTRY

- 39776 ABU-MUSTAFA, E. A., and others. Constituents of local plants. VIII. The sterol content of the fat unsaponifiable fraction of twenty plant species. J. Chem. United Arab Republ. 9(1):93-101. Ref. 1966. 385 Eg93
F. M. Abdel-Monem, M. S. Badour, L. M. El-Hakim, H. El-Khalafy, D. T. Elmunajjed, M. B. E. Fayed, A. Kheir-Eldin, F. Osman, and L. Souka, joint authors.
- 39777 ACCADIA, F. D. DI, and others. Isolation and identification of carotenoids produced by a green alga (*Dictyococcus cinnabarinus*) in submerged culture. Biochem. J. 101(3):735-740. Ref. Dec.1966. 382 B52
O. Gribanovski-Sassu, A. Romagnoli, and L. Tuttobello, joint authors.
- 39778 AGNIHOTRI, V. P. Studies on *Aspergilli*. XVII. Effect of nitrogen sources on growth and fruiting. Mycopathol. Mycol. Appl. 30(3/4):245-252. Ref. Dec.1,1966. 450 M994

- 39779 AGNIHOTRI, V. P. Studies on *Aspergilli*. XIX. Role of carbon and nitrogen on citric acid production. *Mycopathol. Mycol. Appl.* 30(2):115-120. Ref. Nov.10,1966. 450 M994
Aspergillus niger.
- 39790 AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS. Proceedings of the annual meetings, with abstracts of papers from members of the American Society of Plant Physiologists and the Physiological Section, Botanical Society of America, University of Maryland, College Park, Maryland, August 15/18, 1966. n.p., 37 p. 450 P692
- 39781 AMMERLAAL, R. N., and VENNESLAND, B. Effect of CO₂ and HCN on the quinone Hill reaction with *Anabaena variabilis*. *Arch. Biochem. Biophys.* 117(2):429-436. Ref. Nov.1966. 381 Ar2
- 39782 ANAND, R., and MAHESHWARI, S. C. Germination and flowering in *Arabidopsis thaliana* in sterile culture. *Physiol. Plant.* 19(4):1011-1019. Ref. 1966. 450 P564
- 39783 ANDREWS, R. S., and PRIDHAM, J. B. Melanins from dopa-containing plants. *Phytochemistry* 6(1):13-18. Ref. Jan.1967. 450 P5622
- 39784 ARNOLD, W. Light reaction in green plant photosynthesis; a method of study. *Science* 154 (3752):1046-1049. Ref. Nov.25,1966. 470 Sci2 In *Chlorella*.
- 39785 ARONSON, J. M., COOPER, B. A., and FULLER, M. S. Glucans of oomycete cell walls. *Science* 155(3760):332-335. Ref. Jan.20,1967. 470 Sci2
- 39786 BAILLAUD, L. Effects of illumination conditions and temperature on the circadian rhythm of internode development in *Convolvulus sepium*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263 (18):1319-1322. Nov.2,1966. 505 P21
- 39787 BAIRAMOV, A. A. Succulents. (Rus) *Priroda* [Moscow] 12:57-59. 1966. 410 P933
Physiology.
- 39788 BALDRY, C. W., WALKER, D. A., and BUCKE, C. Calvin-cycle intermediates in relation to induction phenomena in photosynthetic carbon dioxide fixation by isolated chloroplasts. *Biochem. J.* 101(3):642-646. Ref. Dec.1966. 382 B52
- 39789 BANVILLE, G. J. Development of the perithecium of *Ceratocystis fimbriata*. Diss. Abstr., Sect. B, 27(5):1375B. Nov.1966. Z5055.49D53
- 39790 BARDE, H. Data on seed storage. (Fr) *Agr. Romanée (ser.A)* 5(10):95-98. Ref. Oct.1966. 17 Ag8
Temperature and humidity effects on viability.
- 39791 BATE-SMITH, E. C., HARBORNE, J. B., and DAVENPORT, S. M. Occurrence of azelaic acid and caryatin in *Eucryphia*. *Nature* 212(5066):1065-1066. Dec.3,1966. 472 N21
- 39792 BEAUD, G. The mode of action of glycine on the inhibition of growth of *Agrobacterium tumefaciens*. I. (Fr) *Biochim. Biophys. Acta* 129(3):563-575. Ref. Dec.21,1966. 381 B522
English summary.
- 39793 BELL, E. A., and O'DONOVAN, J. P. The isolation of alpha- and gamma-oxalyl derivatives of alpha, gamma-diaminobutyric acid from seeds of *Lathyrus latifolius*, and the detection of the alpha-oxalyl isomer of the neurotoxin alpha-amino-beta-oxalylaminopropionic acid which occurs together with the neurotoxin in this and other species. *Phytochemistry* 5(6):1211-1219. Ref. Nov.1966. 450 P5622
- 39794 BESNARD-WIBAUT, C. Histoautoradiographic study of modifications of apical function of *Arabidopsis thaliana* (L.) Heynh. in photoperiod unfavorable to flowering. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(21):1582-1585. Nov.21,1966. 505 P21
- 39795 BETZ, A. Metabolic flux in yeast cells with oscillatory controlled glycolysis. *Physiol. Plant.* 19(4):1049-1054. 1966. 450 P564
- 39796 BILLEK, G., and SCHMOOK, F. P. Biosynthesis of benzoic acids. (Ge) *Österr. Chem.-Zeitung* 67(12):401-409. Ref. 1966. 384 Os7
In plants.
- 39797 BOCKS, S. M. Fungal metabolism. I. The transformations of coumarin, o-coumarinic acid and trans-cinnamic acid by *Aspergillus niger*. *Phytochemistry* 6(1):127-130. Ref. Jan.1967. 450 P5622
- 39798 BROWN, D. H., CAPPELLINI, R. A., and PRICE, C. A. Actinomycin D inhibition of the zinc-induced formation of cytochrome c in *Ustilago [sphaerogena]*. *Plant Physiol.* 41(9):1543-1546. Ref. Nov.1966. 450 P692
- 39799 BROWN, O., and CLARK, J. B. Evidence for the pentose cycle in *Nocardia corallina*. *Soc. Exp. Biol. Med. Proc.* 122(3):887-890. Ref. July 1966. 442.9 Sol
- 39800 BUCKE, C., WALKER, D. A., and BALDRY, C. W. Some effects of sugars and sugar phosphates on carbon dioxide fixation by isolated chloroplasts. *Biochem. J.* 101(3):636-641. Ref. Dec.1966. 382 B52
- 39801 CHANG, I. C., and KAHN, J. S. Isolation of a possible coupling factor for photophosphorylation from chloroplasts of *Euglena gracilis*. *Arch. Biochem. Biophys.* 117(2):282-286. Ref. Nov.1966. 381 Ar2
- 39802 CHAPMAN, D. J. The pigments of the symbiotic algae (Cyanomes) of *Cyanophora paradoxa* and *Glaucozystis nostochinearum* and two *Rhodophyceae*, *Porphyridium aeruginum* and *Asterocystis ramosa*. *Arch. Mikrobiol.* 55 (1):17-25. Ref. 1966. 442.8 Ar26
- 39803 CHAPMAN, D. J. Three new carotenoids isolated from algae. *Phytochemistry* 5(6):1331-1333. Ref. Nov.1966. 450 P5622
- 39804 CHURBANOV, V. M., and PALILOVA, N. I. Photo-colorimetry and quinalizarin in determination of boron in plants. (Rus) *Agrokhimiya* 2:121-133. Ref. Feb.1966. 385 Ag89
- 39805 CLAMPETT, J. B., and MCGARRY, M. G. Sewage treatment in high rate oxidation ponds under Australian conditions. New S. Wales. Univ. Water Res. Lab. Rep. 88,62 p. Ref., p.59-62. Feb.1966. 292.9 N472
Use of algal-bacterial symbiosis.
- 39806 COCORDANO, M., RICARD, J., and JULG, A. Relations between the electronic structure and auxinic activity of chlorinated benzoic acids. *J. Theor. Biol.* 12(3):291-296. Ref. Dec.1966. 442.8 J8223
Plants.
- 39807 COLE, C. V., and ROSS, C. Extraction, separation, and quantitative estimation of soluble nucleotides and sugar phosphates in plant tissues. *Anal. Biochem.* 17(3):526-539. Ref. Dec.1966. 381 An13
- 39808 COMBES, G., FONZES, L., and WINTERNITZ, F. Alkaloids of *Rauwolfia discolor* from Madagascar. (Fr) *Phytochemistry* 5(6):1065-1073. Nov.1966. 450 P5622
English summary.
- 39809 CONNELL, C. Aphrodisiacs in your garden. New York, Taplinger, 1965. 143 p. SB454.C6
Chiefly vegetables.
- 39810 COOK, J. R. Adaptations to temperature in two closely related strains of *Euglena gracilis*. *Biol. Bull.* 131(1):83-93. Ref. Aug.1966. 442.8 B52
- 39811 COSGROVE, D. J. Synthesis of the hexaphosphates of myo-, scyllo-, neo- and d-inositol. *J. Sci. Food Agr.* 17(12):550-554. Ref. Dec. 1966. 382 Sol2
As substrate in plant phytase hydrolysis.
- 39812 CRANMER, M. F., and MABRY, T. J. The lupine alkaloids of the genus *Baptisia* (Leguminosae). *Phytochemistry* 5(6):1133-1138. Ref. Nov.1966. 450 P5622
- 39813 CRUICKSHANK, I. A. M. Phytotoxins in the Leguminosae with special reference to their selective toxicity. *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 74:313-332. Ref., p.330-332. 1965. 18 D4825T
- 39814 DAHL, T., and others. 3beta-acetyloleanolic acid from *Drepanocarpus lunatus*. *Phytochemistry* 5(6):1335-1336. Nov. 1966. 450 P5622
T. B. H. McMurry, P. I. Amenechi, and R. T. Aplin, joint authors.

- 39815 DAVIS, B. D. Control mechanisms in the transition to biplanar growth in the gametophyte of *Peridium aquilinum* (L.) Kuhn. *Diss. Abstr.*, Sect. B, 27(1):52B. July 1966. Z5055.U49D53
- 39816 DAVIS, J. S. Polyeders of *Pedicularis simplex*. *Ill. State Acad. Sci. Trans.* 59(3):289. 1966. 500 IL6
- 39817 DE CILLIS, U., and LOVATO, A. A report on the standardization of work methods and equipment of the Italian seed testing laboratories affiliated with I.S.T.A. [International Seed Testing Association]. *Int. Seed Testing Ass. Proc.* 31(2):269-285. 1966. 61.9 In84P
- 39818 DE ROO, H. C. Root training by plastic tubes. III. Soil aeration appraised by tube-grown plants. *Agron. J.* 58(5):483-486. Sept./Oct. 1966. 4 Am34P
- 39819 DESHPANDE, K. B., and DESHPANDE, D. S. Carbon metabolism and morphogenesis of *Aspergillus fonscaeus*. II. Nutritional status of culture filtrate and dissimulation by mycelial mat. *Mycopathol. Mycol. Appl.* 30(2):92-96. Nov.10,1966. 450 M994
- 39820 DEXHEIMER, J. The effect of various substances on the variations of endoplasmic reticulum of pollen tubes in *Lobelia erinus* L. (Fr.) *Acad. Sci. Compt. Rend. Ser. D*, 263(22):1703-1705. Nov.28,1966. 505 P21
- 39821 DILLARD, G. E. The seasonal periodicity of *Batrachospermum macrosporum* Mont. and *Aoudouinella violacea* (Kuetz.) Ham. in Turkey Creek, Moore County, North Carolina. *Elisha Mitchell Sci. Soc. J.* 82(2):204-207. Ref. Nov.1966. 500 EL4
- 39822 DOWNNEY, K. M. Characterization of the polynucleotide-dependent transfer reaction in *Saccharomyces fragilis*. *Diss. Abstr.*, Sect. B, 27(1):74B. July 1966. Z5055.U49D53
- 39823 DUNCAN, B. The action of cerium, other rare earth elements, and yttrium on yeast metabolism. *Diss. Abstr.*, Sect. B, 27(5):1361B. Nov. 1966. Z5055.U49D53
- 39824 DURAND-RIVIERES, R. Transformation of vegetative meristems in the flower of *Mercurialis annua* L. (2n=16) by spraying with growth substances. (Fr.) *Acad. Sci. Compt. Rend. Ser. D*, 263(18):1306-1308. Nov.2,1966. 505 P21
- 39825 EHRENBURG, M. Effects of visible lights on *Saccharomyces cerevisiae*. II. (Ge) Arch. *Mikrobiol.* 55(1):26-30. 1966. 442.8 Ar26
- 39826 ELLSWORTH, R. K., and PERKINS, H. J. Gas chromatographic determination of phytol. *Anal. Biochem.* 17(3):521-525. Dec.1966. 381 An13
- 39827 EPPLEY, R. W., and COATSWORTH, J. L. Culture of the marine phytoplankter, *Dunaliella tertiolecta*, with light-dark cycles. *Arch. Mikrobiol.* 55(1):66-80. Ref. 1966. 442.8 Ar26
- 39828 EPSTEIN, E. Dual pattern of ion absorption by plant cells and by plants. *Nature* 212(5068):1324-1327. Ref. Dec.17,1966. 472 N21
- 39829 FEDOROV, A. A. "Circularity" (peculiar features of growth of some plants). (Rus) *Bot. Zhur. [Moscow]* 51(11):1620-1623. Nov. 1966. 451 R923
- 39830 FLINCHUM, W. T. The life history of *Amphibromus scabrialvis* in Louisiana. Some studies of the autecology and chemical composition of *Amphibromus scabrialvis*. *Diss. Abstr.*, Sect. B, 27(1):53B. July 1966. Z5055.U49D53
- 39831 FORSBERG, C. Sterile germination requirements of seeds of some water plants. *Physiol. Plant.* 19(4):1105-1109. Ref. 1966. 450 P564
- 39832 FUENTE, R. K. DE LA, and LEOPOLD, A. C. Kinetics of polar auxin transport. *Plant Physiol.* 41(9):1481-1484. Nov.1966. 450 P692
- 39833 GALZY, P., and BIZEAU, C. Effect of acetic acid on sporulation of *Saccharomyces cerevisiae* Hansen. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(1):176-178. 1966. 442.9 P21
- 39834 GENEST, K. The effect of gibberellic acid treatment on the alkaloid content of mature *Ipomoea violacea* L. seeds. *Experientia* 22(10):681-682. Ref. Oct.15,1966. 475 Ex7
- 39835 GEZELIUS, K. Acid phosphatase in *Dicystosium discoidium*. *Physiol. Plant.* 19(4):946-959. Ref. 1966. 450 P564
- 39836 GILBERT, J. N. T., MATHIESON, D. W., and PATEL, M. B. The bitter principle of *Sphenocentrum jollyanum*. *Phytochemistry* 6(1):135-136. Jan.1967. 450 P5622
- 39837 GINZBURG, C. Formation of dormant lateral roots of *Zygophyllum dumosum*. (Fr.) *Acad. Sci. Compt. Rend. Ser. D*, 263(13):909-912. Ref. Sept.26,1966. 505 P21
- 39838 CIROTRA, N. N., and WENDLER, N. L. Rearrangement of the 8,15-epoxide of gibberellic acid. *Tetrahedron Lett.* 52:6431-6433. Dec. 1966. 385 T29
- 39839 GLAZE, N. C. Analysis of 2,4-D metabolites in higher plants by gas chromatography. *Diss. Abstr.*, Sect. B, 27(5):1352B-1353B. Nov.1966. Z5055.U49D53
- 39840 GOAS, M., and GOAS, G. Contribution to the nitrogen metabolism of halophytes; glutamic-oxalacetic, glutamic-pyruvic, and glutamic glyoxilic transaminase activity in the young plants of *Suaeda macrocarpa*. (Fr.) *Acad. Sci. Compt. Rend. Ser. D*, 263(21):1590-1592. Nov.21,1966. 505 P21
- 39841 GOLDBERG, S. I., and MOATES, R. F. Alkaloids of *Lupinus diffusus* Nutt. *Phytochemistry* 6(1):137-140. Ref. Jan.1967. 450 P5622
- 39842 GOUNY, P. Relations between water nutrition and mineral nutrition of the plant. (Fr) *France. Min. Agr. Bull. Tech. Inform.* 211:511-518. Ref. July/Aug.1966. 14 F844B
- 39843 GRANT, W. F., and ZALITE, I. I. The cytogenetics of *Lotus*. XII. Thin-layer chromatography in the separation of secondary phenolic compounds in *Lotus* (Leguminosae). *J. Chromatography* 24(1):243-244. Sept.1966. 475 J824
- 39844 GRAY, L. E., and GERDEMANN, J. W. Influence of vesicular-arbuscular mycorrhizas on the uptake of phosphorus-32 by *Liriodendron tulipifera* and *Liquidambar styraciflua*. *Nature* 213(5071):106-107. Jan.7,1967. 472 N21
- 39845 GUHA, S., MAHESHWARI, S. C., and JOHRI, B. M. Alteration in the geotropic response of *Allium* seedlings by growth regulators. *Physiol. Plant.* 19(4):861-868. Ref. 1966. 450 P564
- 39846 GUTTMAN, H. N., and FUNK, H. B. Vitamin B12-controlled biotin avidity in autotrophic *Euglena gracilis*. *Nature* 213(5071):103-104. Jan.7,1967. 472 N21
- 39847 HALLAWAY, M. The localization of biochemical activities in the cells of higher plants. *Cambridge Phil. Soc. Biol. Rev.* 40(2):188-230. May 1965. 442.9 C14
- 39848 Bibliography, p.220-227, 229-230.
- 39849 HALVORSON, H. O., and others. Periodic enzyme synthesis in synchronous cultures of yeast. In Cameron, I. L., and Padilla, G. M., ed. *Cell synchrony*, p.102-116. Ref. 1966. QH605.C3
- 39850 R. M. Mock, P. Tauro, R. Epstein, and M. La Berge, joint authors.
- 39851 HART, J. R., and GOLUMBIC, C. The use of electronic moisture meters for determining the moisture content of seeds. *Int. Seed Testing Ass. Proc.* 31(2):201-212. 1966. 61.9 In84P
- 39852 HEMPEL, G., and KREY, J. The first international plankton institute of the world: Indian Ocean Biological Centre. (Ge) *Umschau* 66(3):80-83, map. Feb.1,1966. 474 Um7
- 39851 HENRY, S. M., ed. *Symbiosis*, Volume 1. New York, Academic Press, 1966. 478 p. Ref. QH548.H4
- 39852 HEWITT, E. J., and NOTTON, B. A. Effect of substituted uracil derivatives on induction of nitrate reductase in plants. *Biochem. J.* 101(3):39C-40C. Ref. Dec.1966. 382 B52

- 39853 HILLS, H. G., and COLLINS, R. P. Volatile aldehydes and ketones of *Lycopersicon* species. *Phyton* [Vicente Lopez] 23(2):91-94. Nov.1966. 450 P567
- 39854 HOUSHOLDER, D. E. The isolation of an alkaloidal glycoside from *Hymenoxys odorata*. The formation of alkaloid artifacts in plant extracts by the use of ammonium hydroxide and acetone. *Diss. Abstr.*, Sect. B, 27(1):77B. July 1966. Z5055.U49D53
- 39855 ICHISHIMA, E., and YOSHIDA, F. N- and C-terminal residues in the acid proteinase of *Aspergillus saitoi*. *Noda Inst. Sci. Res. Rep.* 10:24-26. Ref. 1966. 330.9 N67
- 39856 ILNICKA-OLEJNICZAK, O., and SOZYNSKI, J. Concerning the effect of ultraviolet rays on the survival rate of spores of various *Aspergillus* species. (Ge) *Mycopathol. Mycol. Appl.* 30(2):129-136. Ref. Nov.10,1966. 450 M994
English summary.
- 39857 INTERNATIONAL MINERALS AND CHEMICAL CORPORATION. Phosphorus, key element in plant and animal nutrition, by R. P. Thomas. Skokie, Illinois, 1966. 81 p. Ref. TP245.P515
- 39858 INTERNATIONAL SEED TESTING CONGRESS, 14. Proceedings. Int. Seed Testing Ass. Proc. 31(2),349 p. Ref. 1966. 61.9 In84P
English, French, and German summaries.
- 39859 JOHNSON, A. Spontaneous movements in plants studied as a random walk process. *Physiol. Plant.* 19(4):1125-1137. Ref. 1966. 450 P564
Studied with clinostat.
- 39860 JOLIOT, A. Action of chloromethyl-urea and hydroxylamine on the oxygen emission photochemical reaction (system II). (Fr) *Biochim. Biophys. Acta* 126(3):587-590. Nov.8,1966. 381 B522
Chlorella pyrenoidosa.
- 39861 JURD, L., and ASEN, S. The formation of metal and "co-pigment" complexes of cyanidin 3-glucoside. *Phytochemistry* 5(6):1263-1271. Ref. Nov.1966. 450 P5622
- 39862 JURGENS-GSCHWING, S. Food plants are not always harmless. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(49):1800-1801. Dec.8,1966. 18 N39
Fungus diseases and bacteria, metabolic products of insects, and carcinogenic substances in plants.
- 39863 KAHNT, G. Equilibrium between stereoisomers in some cinnamic acid derivatives as a function of molar concentration, and their quantitative spectrophotometric determination in plant analysis. (Ge) *Biol. Zentralbl.* 85(5):545-554. Ref. Sept./Oct.1966. 442.8 B523
English summary.
- 39864 KAN, R. O. Organic photochemistry. McGraw-Hill, 1966. 293 p. Ref. (McGraw-Hill Series in Advanced Chemistry) QD601.K3
Its importance for photosynthesis.
- 39865 KANNAN, S. Mechanisms of foliar absorption in higher plants with special reference to iron. *Diss. Abstr.*, Sect. B, 27(5):1377B-1378B. Nov. 1966. Z5055.U49D53
Euonymus.
- 39866 KELLY, M. G., and KATONA, S. An endogenous diurnal rhythm of bioluminescence in a natural population of dinoflagellates. *Biol. Bull.* 131(1):115-126. Ref. Aug.1966. 442.8 B52
- 39867 KHAN, A. A. Breaking of dormancy in *Xanthium* [pensylvanicum] seeds by kinetin mediated by light and DNA-dependent RNA synthesis. *Physiol. Plant.* 19(4):869-874. Ref. 1966. 450 P564
- 39868 KINDL, H., and HOFFMANN-OSTENHOF, O. Research on the biosynthesis of cycloolins. XIII. Occurrence and biosynthesis of cycloolins in *Asclepiadaceae*. (Ge) *Phytochemistry* 5(6):1091-1102. Ref. Nov.1966. 450 P5622
English summary.
- 39869 KISHIMOTO, U. Hyperpolarizing response in *Nitella* internodes. *Plant Cell Physiol.* 7(3):429-439. Ref. Sept.1966. 450 P699
Ion study.
- 39870 KISHIMOTO, U., and OHKAWA, T. A. Shortening of *Nitella* internode during excitation. *Plant Cell Physiol.* 7(3):493-497. Sept.1966. 450 P699
- 39871 KRANZ, A. R. The production of material and assimilation performance in the evolution of cultivated plants. I. (Ge) *Biol. Zentralbl.* 85(5):597-626. Ref. Sept./Oct.1966. 442.8 B523
- 39872 KULIK, M. M., and HOLADAY, C. E. Aflatoxin: a metabolic product in several fungi. *Mycopathol. Mycol. Appl.* 30(2):137-140. Nov.10, 1966. 450 M994
Aspergillus and *Penicillium* spp.
- 39873 KYLIN, A. The effect of light, carbon dioxide, and nitrogen nutrition on the incorporation of S from external sulphate into different S-containing fractions in *Scenedesmus*, with special reference to lipid S. *Physiol. Plant.* 19(4):883-887. Ref. 1966. 450 P564
- 39874 LACHER, J. R., AMADOR, A., and SNOW, K. Effect of dinitrophenol on the heat of respiration of germinating seeds of *Prosopis juliflora*, *Kochia scoparia*, and *Oxyria digyna*. *Plant Physiol.* 41(9):1435-1438. Ref. Nov.1966. 450 P692
- 39875 LAMBA, S. S., and ANDRIES, M. C. Effects of (2-chloroethyl) trimethyl ammonium chloride on growth and alkaloid synthesis of *Datura stramonium* L. *Phyton* [Vicente Lopez] 23(2):85-89. Ref. Nov.1966. 450 P567
- 39876 LAUR, M. H. The development of carpospores of *Lemanea catenata* (Kutz.) Sirod. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(21):1578-1581. Ref. Nov.21,1966. 505 P21
- 39877 LAVRENKO, E. M., and SVESHNIKOVA, V. M. Synthetic study of life forms as exemplified by steppe sod grasses. (Preliminary communication). (Rus) *Zhur. Obsch. Biol.* 26(3):261-275. Ref. May/June 1965. 442.8 Z6
Physiologo-morphological study of grass communities.
- 39878 LEOPOLD, A. C., and HALL, O. F. Mathematical model of polar auxin transport. *Plant Physiol.* 41(9):1476-1480. Ref. Nov.1966. 450 P692
Indoleacetic acid.
- 39879 LEWIS, J. Review on articles on seed storage and seed moisture content. *Int. Seed Testing Ass. Proc.* 31(2):189-199. 1966. 61.9 In84P
Includes discussion.
- 39880 LITYNSKI, M. Long-term storage of seeds without the use of low temperatures. (Ge) *Int. Seed Testing Ass. Proc.* 31(2):223-233. 1966. 61.9 In84P
English summary.
Humidity study.
- 39881 LOOMIS, W. F., and SUSSMAN, M. Commitment to the synthesis of a specific enzyme during cellular slime mold development. *J. Mol. Biol.* 22(2):401-404. Ref. Dec.28,1966. 442.8 J8224
Dictyostelium discoideum.
- 39882 LOSADA, M., and PANEQUE, A. Light reduction of nitrate by chloroplasts depending on ferredoxin and NADP⁺. *Biochim. Biophys. Acta* 126(3):578-580. Ref. Nov.8,1966. 381 B522
- 39883 MACROBBIE, E. A. C. Metabolic effects on ion fluxes in *Nitella translucens*. I. Active influxes. II. Tonoplast fluxes. *Australian J. Biol. Sci.* 19(3):363-383. Ref. June 1966. 442.8 Au72
- 39884 MAGALHAES ALVES, H., and ARNDT, V. H. Triterpenoids isolated from *Machaerium* incorruptibile. *Phytochemistry* 5(6):1327-1330. Ref. Nov.1966. 450 P5622
- 39885 MAIBORODA, N. M. A quick method for determining nitrogen and phosphorus in plants. (Rus) *Agrokimiya* 2:104-109. Feb.1966. 385 Ar89
- 39886 MALKIN, S., and KOK, B. Fluorescence induction studies in isolated chloroplasts. I-II. *Biochim. Biophys. Acta* 126(3):413-442. Ref. Nov.8,1966. 381 B522
- 39887 MARCENKO, E. The effects of gamma rays on algae (*Desmidiaceae*). (Ge) *Protoplasma* 62(2/3):157-183. Ref. 1966. 442.8 P94
Micrasterias truncata and *Netrium digitus*.
- 39888 MARINE BIOLOGICAL LABORATORY (WOODS HOLE, MASSACHUSETTS). Sixty-eighth report, for the year 1965—seventy-eighth year. *Biol. Bull.* 131(1):1-75. Aug.1966. 442.8 B52
Includes plant research.

- 39889 MARTEN, G. C., and HAMMOND, P. B. Lead uptake by bromegrass [*Bromus*] from contaminated soils. *Agron. J.* 58(5):553-554. Sept./Oct. 1966. 4 Am34P
- 39890 MARTIN, P. G. Variation in the amounts of nucleic acids in the cells of different species of higher plants. *Exp. Cell. Res.* 44(1):84-94. Ref. Oct. 1966. 442.8 Ex7
- 39891 MCDONOUGH, W. T. Phosfon-inhibition of germination as affected by temperature and radiation. *Plant Cell Physiol.* 7(3):323-328. Ref. Sept. 1966. 450 P699
In *Verbasum thapsus*.
- 39892 MCLEAN, G. D., and AITHERTON, J. G., and COALDRAKE, J. E. Tissue culture from an Australian acacia, *A. harpophylla* F. v. M. (brigalow). *Phyton* [Vicente Lopez] 23(2):101. Nov. 1966. 450 P567
- 39893 MEHRAN, A. R., and TREMBLAY, J. L. An aspect of the metabolism of zinc in the Littoria obtusata L. and *Fucus edentatus* De La Py-lae. (Fr) *Rev. Can. Biol.* 24(3):157-161. Sept. 1965. 442.8 R325
English summary.
- 39894 MEIDNER, H., and MANSFIELD, T. A. Stomatal responses to illumination. *Cambridge Phil. Soc. Biol. Rev.* 40(4):483-509. Ref. Nov. 1965. 442.9 C14
- 39895 MENTZER, C., and others. Relation between the chemical structure of some arylphthalamic acids and their action on the geotropic response of roots. (Fr) *Phytochemistry* 5(6):1153-1158. Ref. Nov. 1966. 450 P562
A. Resplandy, N. Dai-Xuong, A. M. Hirsch, P. Le Roux, and R. Magnan, joint authors.
English summary.
- 39896 MILLER, P. M., and MILLER, J. H. Temperature dependence of the effects of light and auxin on the elongation of fern protonemata. *Plant Cell Physiol.* 7(3):485-488. Sept. 1966. 450 P699
Onoclea sensibilis.
- 39897 MINALE, L., and others. Pigments of Centrospermae. VI. Acylated betacyanins. *Phytochemistry* 5(6):1037-1052. Ref. Nov. 1966. 450 P562
M. Piattelli, S. De Stefano, and R. A. Nicolaus, joint authors.
- 39898 MITCHELL, B. D., BIRNIE, A. C., and SYERS, J. K. The thermal analysis of lichens growing on limestone. *Analysts* 91(1089):783-789. Dec. 1966. 382 An1
For calcium oxalate.
- 39899 MITCHELL, P. Chemiosmotic coupling in oxidative and photosynthetic phosphorylation. (Condensed.) *Cambridge Phil. Soc. Biol. Rev.* 41(3):445-502. Aug. 1966. 442.9 C14
Review of the literature.
- 39900 MIYAGI, K. Effect of moisture-proof packing on the maintenance of viability of vegetable seeds. *Int. Seed Testing Ass. Proc.* 31(2):213-222. 1966. 61.9 In84P
- 39901 MORGAN, D. G. Research in applied plant physiology—past, present and future. *Cambridge Univ. Sch. Agr. Mem.* 38, 26 p. 1966. 103 C14M
Review of the literature and a bibliography.
- 39902 MORI, Y., ONO, K., and SYUBIKI, T. The effect of chlorophyll on the activity of alpha-amylase. (Ja) *Jap. Soc. Food Nutr. J.* 19(3):197-202. Ref. Sept. 1966. 389.9 J27
English summary.
- 39903 MOWDOOD, S. K. I. The alkaloids of *Tabernaemontana laurifolia*. II. The glycosides of *Ornithogalum umbellatum*. *Diss. Abstr.*, Sect. B, 27(5):1423B-1424B. Nov. 1966. Z5055.U49D53
- 39904 MOYER, R. C. Physico-chemical properties of the nucleic acid from some fungi. *Diss. Abstr.*, Sect. B, 27(1):81B. July 1966. Z5055.U49D53
- 39905 MULLER, H. M. Studies on the oxygen metabolism of *Aspergillus niger*. V. (Ge) *Arch. Mikrobiol.* 55(1):81-90. Ref. 1966. 442.8 Ar26
English summary.
- 39906 MUNI, I. A., and others. Cytotoxicity of North Dakota plants. I. *J. Pharm. Sci.* 56(1):50-54. Ref. Jan. 1967. 396.8 J825
W. H. Bhatti, L. J. Schermeister, and M. C. Vincent, joint authors.
Cytotoxicity and anti-tumor activity.
- 39907 MUROFUSHI, N., and others. Isolation and structure of a novel C20 gibberellin in bamboo [*Phyllostachys edulis*] shoots. *Agr. Biol. Chem.* 30(9):917-924. Ref. Sept. 1966. 385 Ag8B
S. Iruchijima, N. Takahashi, S. Tamura, J. Kato, Y. Wada, E. Watanabe, and T. Aoyama, joint authors.
- 39908 NAF, U. On dark-germination and antheridium formation in *Anemia phyllitidis*. *Physiol. Plant.* 19(4):1079-1088. Ref. 1966. 450 P564
- 39909 NAIR, P. M., RAO, P. V. S., and VAIDYANATHAN, C. S. Anthranilic acid oxidase system of tecomastans. III. Studies on the conversion of o-aminophenol to catechol. *Phytochemistry* 5(6):1317-1321. Nov. 1965. 450 P5622
- 39910 NALEWAKO, C. Dry, weight, ash, and volume data for some freshwater planktonic algae. *Can. Fish. Res. Board. J.* 23(8):1285-1288. Aug. 1966. 442.9 C16J
- 39911 EL-NAWAWY, A. S., and ASHRY, M. A. Relation between chemical structure and biological activity. XIV. Relative toxicities of sodium and 1-s-n-amyliothiuronium N: N-dimethyldithiocarbamates at different pH values. *Alexandria J. Agr. Res.* 13(2):9-15. July 1965. 24 AL2
Toxicity to *Aspergillus niger* and *Fusarium oxysporum*.
- 39912 NEOS, C., and VARMA, M. M. The removal of phosphate by algae in river water. *Water Sewage Works* 113(12):456-460, map. Ref. Dec. 1966. 290.8 M92
- 39913 NITSOS, R. E., and EVANS, H. J. Effects of univalent cations on the inductive formation of nitrate reductase. *Plant Physiol.* 41(9):1499-1504. Ref. Nov. 1966. 450 P692
Neurospora crassa.
- 39914 NOBEL, P. S., and MURAKAMI, S. Electron microscopic evidence for the location and amount of ion accumulation by spinach chloroplasts. *J. Cell Biol.* 32(1):209-211. Jan. 1967. 442.8 J828
- 39915 OLNEY, V. W. Plants need minor elements. *Weeds Trees Turf* 5(5):18, 20. May 1966. 79.8 W413
- 39916 OLOVYANNIKOVA, I. N. Moisture consumption by vegetation in virgin land of Caspian lowland. (Rus) *Pochvovedenie* 12:53-63. Ref. 1966. 57.8 P34
English summary.
- 39917 ONISHI, H., and SUZUKI, T. The production of xylitol, L-arabinitol and ribitol by yeasts. *Agr. Biol. Chem.* 30(11):1139-1144. Ref. Nov. 1966. 385 Ag8B
Candida polymorpha.
- 39918 ONODERA, K., HIRANO, S., and HAYASHI, H. Sialic acid and related substances. IV. Sialic acid content of some biological materials. *Agr. Biol. Chem.* 30(11):1170-1172. Ref. Nov. 1966. 385 Ag8B
Includes plants.
- 39919 PARKER, P. L., VAN BAALEN, C., and MAURER, L. Fatty acids in eleven species of blue-green algae: geochemical significance. *Science* 155(3763):707-708. Ref. Feb. 10, 1967. 470 Sc82
- 39920 PACKTER, N. M., and STEWARD, M. W. Studies on the biosynthesis of phenols in fungi: biosynthesis of 3,4-dimethoxy-6-methylcoumarin and glorioresin in *Glucadium roseum* I.M.I. 93065. *Biochem. J.* 102(1):122-132. Ref. Jan. 1967. 382 B52
- 39921 PECK, A. J. Resistance to water transport in plants—a misconception? *Nature* 212(5070):1585. Dec. 31, 1966. 472 N21
- 39922 PETERKOFISKY, A. Studies on pentose phosphate cycle enzymes in cell-free extracts of photosynthetic organisms. *Diss. Abstr.*, Sect. B, 27(5):1400B. Nov. 1966. Z5055.U49D53
Spinach, *Euglena*, and *Chlorella*.
- 39923 POSTOLITSA, L. G. Effect of some blue-green algae on bacteria. (Rus) *Nauch. Dok. Vyssh. Shkoly. Biol. Nauk.* 1:99-103. Ref. 1965. 442.8 N22
Inhibitory effect of some hormones.
- 39924 POUX, N. Ultrastructural localization of aryl sulfatase activity in plant meristematic cells. *J. Histochem. Cytochem.* 14(12):932-933. Dec. 1966. 381 J8222

- 39925 POWELL, L. E., and TAUTVYDAS, K. J. Chromatography of gibberellins on silica gel partition columns. *Nature* 213(5073):292-293. Jan. 21, 1967. 472 N21
- 39926 POWLS, R., and HEMMING, F. W. The biosynthesis of quinones from p-hydroxybenzoic acid in *Euglena gracilis* var. *bacillaris*. *Phytochemistry* 5(6):1249-1255. Ref. Nov. 1966. 450 P5622
- 39927 POWLS, R., and REDFEARN, E. R. Menachromanol from a photosynthetic bacterium. *Biochem. J.* 102(1):3C-4C. Ref. Jan. 1967. 382 B52
Chlorobium thiosulphatophilum.
- 39928 POWLS, R., and HEMMING, F. W. The properties and significance of rhodoquinone-9 in autotrophic and etiolated cultures of *Euglena gracilis* var. *bacillaris*. *Phytochemistry* 5(6):1235-1247. Ref. Nov. 1966. 450 P5622
- 39929 POZETTI, G. L. Contribution to the study of the chemical composition of *Alomia fastigiata* Benth. (Por) Sao Paulo. Univ. Fac. Farm. *Biochim. Rev.* 4(1):137-140. Jan./June 1966. 396.9 Sa623
English summary.
- 39930 PRIOU, M. L. Potassium content of Fuaceae from the bay of Saint-Malo. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(21):1576-1577. Nov. 2 Nov. 21, 1966. 505 P21
- 39931 PYNADATH, T. L., and FINK, R. M. Studies of orotidine 5'-phosphate decarboxylase in *Neurospora crassa*. *Arch. Biochem. Biophys.* 118(1):185-189. Jan. 1967. 381 Ar2
- 39932 RACLE, F. A. The effect of pH and trace element concentration on certain metabolic processes in *Trichoderma* sp. *Diss. Abstr.*, Sect. B, 27(1):56B. July 1966. Z5055.U49D53
- 39933 RAGHAVAN, V. Nutrition, growth and morphogenesis of plant embryos. Cambridge Phil. Soc. Biol. Rev. 41(1):1-58. Ref. Feb. 1966. 442.9 C14
Bibliography, p.41-54, 57-58.
- 39934 RAGOT, J. Influence of nitrogen nutrition on the growth, sporulation and morphology of *Keratinomyces ajelloi* Vanbr. (Fr) Paris. Soc. Biol. Compt. Rend. 160(3):682-686. 1966. 442.9 P21
- 39935 RAGOT, J. Qualitative and quantitative study of carbonaceous exigencies of *Keratinomyces ajelloi* Vanbr. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(16):1073-1076. Ref. Oct. 17, 1966. 505 P21
- 39936 RICHMOND, D. V., and SOMERS, E. Sulfhydryl status and the germination of *Neurospora crassa* conidia. *Biochem. Biophys. Res. Commun.* 25(6):657-661. Ref. Dec. 19, 1966. 442.8 B5236
- 39937 RICHTER, C. Pulse-labelling of nucleic acids and polyphosphates in normal and aneuploid cells of *Acetabularia*. *Nature* 212(5068):1363. Dec. 17, 1966. 472 N21
Acetabularia crenulata.
- 39938 RICKETTS, T. R. The pigments of the phytoflagellates, *Pedinomonas minor* and *Pedinomonas tuberculata*. *Phytochemistry* 6(1):19-24. Ref. Jan. 1967. 450 P5622
- 39939 RIETH, A. Life conditions of *Porphyridium cruentum* (Ag) Naeg. VI Rhythm of growth in cold and warm periods. (Ge) Biol. Zentralbl. 85(5):569-578. Sept./Oct. 1966. 442.8 B523
- 39940 RUINEN, J. Bacteria in relation to plants. (Du) *Vakbl. Biol.* 46:207-216. Ref. 1966. 442.8 V22
Symbiosis in the rhizosphere.
- 39941 RUTHERFORD, P. P., GRIFFITHS, C. M., and WAIN, R. L. Studies on plant growth-regulating substances. XXIII. Water uptake by discs from inulin-storing roots and tubers in response to growth-substance treatment. *Ann. Appl. Biol.* 58(3):467-476. Ref. Dec. 1966. 442.8 An72
Chicory and *Taraxacum*.
- 39942 SADASIVAN, T. S. Physiology of wilting plants. *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 74:149-163. 1965. 18 D4825T
Bibliography, p.159-163.
- 39943 SCHMIDT, H. H. A discussion concerning seed tests and seed science. (Ge) *Int. Seed Testing Ass. Proc.* 31(2):237-242. 1966. 61.9 In64P
- 39944 SCHMIDT, R. R. Intracellular control of enzyme synthesis and activity during synchronous growth of *Chlorella*. In Cameron, I. L., and Padilla, G. M., ed. *Cell synchrony*, p.189-235. Ref. 1966. QH605.C5
Chlorella pyrenoidosa and *C. ellipsoidea*.
- 39945 SCHRAUDOLF, H. The effect of plant hormones on germination and development of fern prothallus. III. The influence of plasmolysis and extirpation on the induction of the development of antheridia by gibberellins in *Anemia phillitidis*. (Ge) *Biol. Zentralbl.* 85(3):349-360. Ref. May/June 1966. 442.8 B523
- 39946 SCHREIBER, K., and others. Gibberellin. X. Isolation of 0(2)-acetyl gibberellic acid as a metabolic product of *Fusarium moniliforme* Sheld. (Ge) *Phytochemistry* 5(6):1221-1225. Ref. Nov. 1966. 450 P5622
G. Schneider, G. Sembdner, and I. Focke, joint authors.
English summary.
- 39947 SEAGRAVE, J. R. Aquaculture. *Agr. Pakistan* 16(3):257-280. Ref. Sept. 1965. 22 Ag832
Soilless culture.
- 39948 SEIDEL, K. Hydrobotanical contribution to water protection. (Ge) *Ver. Deut. Gewässer-schutz. Mitt.*, July/Aug. 1965:6-8. 292.9 V58M
Introduction of plants, especially *Scirpus lacustris*, for water purification.
- 39949 SENER, H., and BISHOP, N. I. The light-dependent formation of nucleic acids in cultures of synchronized *Chlorella*. *Plant Cell Physiol.* 7(3):441-455. Ref. Sept. 1966. 450 P699
- 39950 SHAW, R. Fatty acids of fruiting bodies of *Basidiomycetes*. *Nature* 213(5071):86-87. Jan. 7, 1967. 472 N21
- 39951 SHUGARMAN, P. M. Studies on chlorophyll formation in *Chlorella*. *Diss. Abstr.*, Sect. B, 27(1):88B. July 1966. Z5055.U49D53
- 39952 SLATYER, R. O., and LAKE, J. V. Resistance to water transport in plants—whose misconception? *Nature* 212(5070):1585-1586. Dec. 31, 1966. 472 N21
- 39953 SOMERS, E., and PRING, R. J. Uptake and binding of iodine acetate by fungal spores. *Ann. Appl. Biol.* 58(3):457-466. Ref. Dec. 1966. 442.8 An72
Alternaria tenuis and *Neurospora crassa*.
- 39954 SOROKIN, C., and MITROGANOV, L. The secretory activity of algal cells in buffered media. *Protoplasma* 62(2/3):201-209. Ref. 1966. 442.8 P94
- 39955 SORTEBERG, A. The chemical milieu in the soil. (No) *Ny Jord* 53(5):162-166. Oct. 1966. 282.28 N98
Plant nutrition and uptake of nutrients from soil.
- 39956 SPENCER, D., and WHITFIELD, P. R. The nature of the ribonucleic acid of isolated chloroplasts. *Arch. Biochem. Biophys.* 117(2):337-346. Ref. Nov. 1966. 381 Ar2
- 39957 SPLITSTOESSER, W. E., and MAZELIS, M. The metabolism of methionine in higher plants. Catabolism of the methyl group by seedlings of various species. *Phytochemistry* 6(1):39-47. Ref. Jan. 1967. 450 P5622
- 39958 STARRATT, A. N. Triterpenoid constituents of *Euphorbia cyparissias*. *Phytochemistry* 5(6):1341-1344. Nov. 1966. 450 P5622
- 39959 STEDINGK, L. V. VON, and BALTSCHOFFSKY, H. The light-induced, reversible pH change in chromatophores from *Rhodospirillum rubrum*. *Arch. Biochem. Biophys.* 117(2):400-404. Ref. Nov. 1966. 381 Ar2
- 39960 STEFFENSEN, D. M. Synthesis of ribosomal RNA during growth and division in *Lilium*. *Exp. Cell Res.* 44(1):1-12. Ref. Oct. 1966. 442.8 Ex7
- 39961 STEWART-TULL, D. E. S., TEMPERLEY, W. R., and HORNE, C. H. W. Some immunological observations on the cell walls of yeasts. *Sabouraudia* 5(2):104-109. Ref. Oct. 1966. 450 Sa8
- 39962 SUDYINA, O. H., and BABENKO, YE. H. Al-lomeric forms of chlorophyll. (Uk) *Akad. Nauk Ukr. RSR, Dopovid* 9:1189-1191. 1966. 511 K54
English summary.
In plants.

- 39963 SUYAMA, Y., and GIBSON, J. Satellite DNA in photosynthetic bacteria. *Biochem. Biophys. Res. Commun.* 24(4):549-553. Ref. Aug. 23, 1966. 442.8 B5236
- 39964 SWEENEY, B. M., TUFFLI, C. F., and RUBIN, R. H. The circadian rhythm in photosynthesis in *Acetabularia* in the presence of actinomycin D, puromycin, and chloramphenicol. *J. Gen. Physiol.* 50(3):647-659. Ref. Jan. 1967. 447.8 J822
Acetabularia crenulata.
- 39965 SWINBURNE, T. R., and CORDEN, M. E. Dissociation and recombination of a polygalacturonase complex during ion exchange chromatography. *Nature* 213(5073):286-287. Jan. 21, 1967. 472 N21
In Fusarium oxysporum.
- 39966 SZLAVIK, L., and others. The separation of steroid glycoalkaloids from plant extract. *Herba Hung.* 5(2/3):218-224. 1966. 71.8 H413
 Z. Kaskoto, Mrs. Gy. Valovics, Gy. Selmecsi, and K. Acs, joint authors.
- 39967 TAKEMOTO, T., and others. Studies on the constituents of *Chondria armata*. VIII. On the structure of domoic acid. I. (Ja) *Pharm. Soc. Jap.* 86(10):874-877. Oct. 1966. 396.9 P49
 K. Daigo, Y. Kondo, and K. Kondo, joint authors.
 English summary.
Rhodophyceae, Rhodomelaceae.
- 39968 TERBORGH, J. Potentiation of photosynthetic oxygen evolution in red light by small quantities of monochromatic blue light. *Plant Physiol.* 41(9):1401-1410. Ref. Nov. 1966. 450 P692
 Chiefly *Acetabularia crenulata.*
- 39969 TRUSCHER, G. Metabolic pathways of L-tryptophan in *Streptomyces* species. *Phytochemistry* 6(1):141-144. Ref. Jan. 1967. 450 P5622
From Alnus glutinosa.
- 39970 TOMIZUKA, N., OTA, Y., and YAMADA, K. Studies on lipase from *Candida cylindracea*. II. Amino acid composition, carbohydrate component and some physical properties. *Agr. Biol. Chem.* 30(11):1090-1096. Ref. Nov. 1966. 385 Ag8B
- 39971 TOUFFET, J. Potassium, sodium and iron content of peat moss. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1086-1088. Oct. 17, 1966. 505 P21
Sphagnum.
- 39972 TRELAWNY, G. S. Some aspects of the nutrition and metabolism of *Phlyctocytrium* sp. *Diss. Abstr.*, Sect. B, 27(5):1557B. Nov. 1966. Z5055.U49D53
- 39973 TSE, A., and TOWERS, G. H. N. The occurrence of psilotin in *Tmesipteris [tannensis]*. *Phytochemistry* 6(1):149. Jan. 1967. 450 P5622
- 39974 UNESTAM, T. Studies on the crayfish plague fungus *Aphanomyces astaci*. II. Factors affecting zoospores and zoospore production. *Physiol. Plant.* 19(4):1110-1119. Ref. 1966. 450 P564
- 39975 VALDOVINOS, J. G., and ERNEST, L. C. Gibberellin-enhanced CO₂ release from tryptophan-1-C-14 in plant apical tissue. *Plant Physiol.* 41(9):1551-1552. Ref. Nov. 1966. 450 P692
- 39976 VAN DEN DRIESCHKE, T. The role of the nucleus in the circadian rhythms of *Acetabularia mediterranea*. *Biochim. Biophys. Acta* 126(3):456-470. Ref. Nov. 8, 1966. 381 B522
- 39977 VIRUPAKSHA, T. K., SHRIFT, A., and TARE, H. Metabolism of selenomethionine in selenium accumulator and non-accumulator *Astragalus* species. *Biochim. Biophys. Acta* 130(1):45-55. Ref. Nov. 29, 1966. 381 B522
- 39978 VOLZ, P. A., and BENEKE, E. S. An aquatic fungal bio-assay method for detection of carcinostatic agents. *Mycopathol. Mycol. Appl.* 30(2):97-114. Ref. Nov. 10, 1966. 450 M994
 Physiological study of *Saprolegniaceae* treated with azaserine
- 39979 WALTER-LEVY, L., and STRAUSS, R. Effect of magnesium on the formation of mineral components in *Characeae*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(25):2026-2029. Dec. 19, 1966. 505 P21
In Chara fragilis and C. vulgaris.
- 39980 WEINMANN, W. Study on the relationship between osmosis tolerance and characteristics of cells in yeasts. (Ge) *Zentralbl. Bakteriell. Parasitenk. Infektionskrankh. Hyg. Abt. II, Naturwiss.* 120(4):379-410. Ref. 1966. 448.3 C33
 English summary.
- 39981 WESSELS, J. S. C. Isolation of a chloroplast fragment fraction with NADP+ photoreducing activity dependent on plastocyanin and independent of cytochrome f. *Biochim. Biophys. Acta* 126(3):581-583. Ref. Nov. 8, 1966. 381 B522
- 39982 WEST, S. R. How water affects plant life. *Weeds Trees Turf* 5(4):12-14. Apr. 1966. 79.8 W413
- 39983 WHITE, E., TSE, A., and TOWERS, G. H. N. Lignin and certain other chemical constituents of *Phylloglossum*. *Nature* 213(5073):285-286. Jan. 21, 1967. 472 N21
Phylloglossum drummondii.
- 39984 WIEBE, H. H. Matric potential of several plant tissues and biocoaloids. *Plant Physiol.* 41(9):1439-1442. Ref. Nov. 1966. 450 P692
- 39985 WIEFFERING, J. H. Aucubin-like glycosides (pseudoincans) and applied heterosides as a systematic indicator. (Ge) *Phytochemistry* 5(6):1053-1064. Ref. Nov. 1966. 450 P5622
 English summary.
- 39986 ZELITCH, I. Environmental and biochemical control of stomatal movement in leaves. *Cambridge Phil. Soc. Biol. Rev.* 40(4):463-482. Nov. 1965. 442.9 C14
- 39987 ZIEGLER, H., and ZIEGLER, I. The light-induced increase of activity of NADP-dependent glyceraldehyde-3-phosphate dehydrogenase. IV. Influence on intensity of photosynthesis. (Ge) *Biochim. Biophys. Acta* 126(3):449-455. Ref. Nov. 8, 1966. 381 B522
 English summary.
In Lemna gibba.
- 39988 ZUR, B. Osmotic control of the matric soil-water potential. II. Soil-plant system. *Soil Sci.* 103(1):30-38. Jan. 1967. 56.8 S63

Physiology and Biochemistry of Field Crops

- 39989 DIMITROV, S., and others. Variations in growth, development, and yields of some plants depending on intraspecific and interspecific relationships. (Bu) *Vish Shkotskopanski Inst. "Vasil Kolarov"* Nauch. Tr. 74(1):21-36. Ref. 1965. 106.3 P72
 G. Staikov, D. Delipavlov, and I. Kovachev, joint authors.
 German summary.
 Field crops and vegetables.
- 39990 EGLINTON, G., and others. A gas-liquid chromatographic and spectrometric identification of 2-methyltetraacetonate, a constituent of the leaf wax of *Aeonium lindleyi* (Crassulaceae). *Phytochemistry* 5(6):1349-1352. Ref. Nov. 1966. 450 P5622
 R. J. Hamilton, W. B. Kelly, and R. I. Reed, joint authors.
- 39991 HUME, D. J. Enzymes involved in legume root hair infection by *Rhizobia*. *Diss. Abstr.*, Sect. B, 27(1):22B-23B. July 1966. Z5055.U49D53
- 39992 KATAYAMA, T., and NAGAMATSU, T. Radio-sensitivity in plants. I. Relation between the water content of some crop seeds and their sensitivity to different doses of X-rays and gamma-rays. *Jap. J. Breeding* 16(2):77-82. Ref. June 1966. 64.8 J27
 Field crops.
- 39993 LOCKSHIN, A., and BURRIS, R. H. Solubilization and properties of chloroplast lamellar protein. *Nat. Acad. Sci. Proc.* 56(5):1564-1570. Ref. Nov. 1966. 500 N21P
 Of beets and corn.
- 39994 NAKAYAMA, K. Norin shushi no hatsuga. Seed germination of useful plants. Tokyo, Uchida Rokakuho, 1966. 285 p. QK740.N3
 Includes field crops and trees.

- 39995 RAYA, M. A. A., BADOUR, S. S., and AHMED, A. M. The effect of vernalization on field germination, flowering, fruiting and crop yield of *Vicia faba* and *Lupinus termis*. *Alexandria J. Agr. Res.* 13(2):319-337. Ref. July 1965. 24 AL2
- 39996 STAIKOV, G. Changes in growth, development, yields, and quality of planting material of early potatoes, corn, and sunflowers grown as interplanted crops. (Bu) *Vish Selskостopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):179-187. 1965. 106.3 P72
German summary.
- Physiology and Biochemistry - Cereals
- 39997 AKOYUNOGLU, G., and others. Effect of intermittent and continuous light on chlorophyll formation in etiolated plants. *Physiol. Plant.* 19(4):1101-1104. 1966. 450 P564
H. J. Argyroudi-Akoyunoglou, M. R. Michel-Wolwertz, and C. Sironval, joint authors.
- 39998 ANDERSON, C. D., and READ, D. W. L. Water-use efficiency of some varieties of wheat, oats, barley, and flax grown in the greenhouse. *Can. J. Plant Sci.* 46(4):375-378. July 1966. 450 C16
- 39999 APP, A. A., and GEROSA, M. M. A soluble fraction requirement in the transfer reaction of protein synthesis by rice embryo ribosomes. *Plant Physiol.* 41(9):1420-1424. Ref. Nov. 1966. 450 P692
- 40000 ARU, L., and JAAGOSILD, A. Immuno-electrophoretic method in analysis of plant proteins. (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4:558-562. Ref. 1965. 442.9 Ak18
German summary.
- 40001 BAILEY, R. W., and HASSID, W. Z. Xylan synthesis from uridine-diphosphate-D-xylose by particulate preparations from immature corn-cobs. *Nat. Acad. Sci. Proc.* 56(5):1586-1593. Ref. Nov. 1966. 500 N21P
- 40002 BATSALOV, I., and BATSALOVA, I. M. On protein-proteinase complex in rye. (Bu) *Vish Selskостopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):301-303. 1965. 106.3 P72
German summary.
- 40003 BURGER, W. C., and SIEGELMAN, H. W. Location of a protease and its inhibitor in the barley kernel. *Physiol. Plant.* 19(4):1089-1093. Ref. 1966. 450 P564
- 40004 CHANG, C. W., and THOMPSON, C. R. Effect of fluoride on nucleic acids and growth in germinating corn seedling roots. *Physiol. Plant.* 19(4):911-918. Ref. 1966. 450 P564
- 40005 CHEN, H. R., GALSTON, A. W., and MILSTONE, L. Conversion of isatin to isatate as related to growth promotion in *Avena* [sativa] coleoptile and *Pisum* stem sections. *Plant Physiol.* 41(9):1485-1488. Nov. 1966. 450 P692
- 40006 CHRISPEELS, M. J., and VARNER, J. E. Inhibition of gibberellic acid induced formation of alpha-amylase by abscisic II. *Nature* 212(5066):1066-1067. Ref. Dec. 3, 1966. 472 N21
Observed in barley.
- 40007 CLARK, R. B. Effect of metal cations on aldolase from leaves of *Zea mays* L. seedlings. *Crop Sci.* 6(9):593-596. Ref. Nov./Dec. 1966. 64.8 C883
- 40008 CROSSETT, R. N. Autoradiography of ³²P in maize roots. *Nature* 213(5073):312-313. Jan. 21, 1967. 472 N21
- 40009 DALBY, A. Protein synthesis in maize endosperm. High Lysine Corn Conf. Proc. 1966: 80-89. Ref. QK866.M3H5
Discussion, p.90.
- 40010 DEDOLPH, R. R., and others. Simulated low-gravity environments and respiratory metabolism in *Avena* [sativa] seedlings. *Plant Physiol.* 41(9):1520-1524. Nov. 1966. 450 P692
B. R. Wilson, W. Chorney, and J. J. Breen, joint authors.
- 40011 DRAGANOV, D. Consumptive use and availability of water for barley under conditions of Karnobat area. (Bu) *Vish Selskостopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):101-108. Ref. 1965. 106.3 P72
English summary.
- 40012 DRAPRON, R., RITZENTHALER, G., and LAUNAY, B. Isolation of lipase (glycerol-ester-hydrolase-EC-3.1.1.3) from the gemmule of germinated wheat. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(16):1168-1170. Oct. 17, 1966. 505 P21
- 40013 DUFFUS, J. H. Peroxidase in barley endosperm. *Inst. Brewing J.* 72(6):569-573. Nov./Dec. 1966. 390.9 In7
In germinating grain and in endosperm slices incubated in gibberellic acid.
- 40014 ENDO, T., and SCHWARTZ, D. Tissue specific variations in the urea sensitivity of the E₁ esterase in maize. *Genetics* 54(1,pt.1):233-239. July 1966. 442.8 G28
- 40015 GORING, H., and HOFFMANN, P. The content of chlorophyll and the intensity of photosynthesis in heterotic hybrids and their parental forms. (Ge) *Biol. Zentralbl.* 85(3):289-303. Ref. May/June 1966. 442.8 B523
Corn.
- 40016 GRAHL, A. Influence of light on the germination of grain in relation to dormancy. (Ge) *Landbauforsch. Völknerode* 15(2):97-109. Ref. Dec. 1955. 13 L2353
- 40017 EL HAK, M. G., and AHMED, I. S. Natural cross-pollination in rice in United Arab Republic. *Agr. Res. Rev.* 43(3):13-20. July 1965. 24 Eg94
- 40018 HALL, J. R., and HODGES, T. K. Phosphorus metabolism of germinating oat seeds. *Plant Physiol.* 41(9):1459-1464. Ref. Nov. 1966. 450 P692
- 40019 HANCOCK, N. I., and QUALEST, C. O. Vernalization of winter oats. *Tenn. Agr. Exp. Sta. Bull.* 402, 11 p. May 1966. 100 T255
- 40020 HART, J. W., and BERRIE, A. M. M. The germination of *Avena fatua* under different gaseous environments. *Physiol. Plant.* 19(4):1020-1025. Ref. 1966. 450 P564
Oxygen and carbon dioxide.
- 40021 HATCH, M. D. Inhibition of plant adenylosuccinate synthetase by hadacidin and the mode of action of hadacidin and structurally related compounds on plant growth. *Phytochemistry* 6(1):115-119. Ref. Jan. 1967. 450 P5622
Wheat.
- 40022 ILINA, G. V., RYDKII, S. G., and YANOVSKAYA, F. G. Uptake of strontium by plants depending on some other nutritional elements. (Rus) *Agrokhimiya* 2:83-91. Ref. Feb. 1966. 385 Ag89
Wheat.
- 40023 JENSEN, C. R., STOLZY, L. H., and LETEY, J. Tracer studies on oxygen diffusion through roots of barley, corn, and rice. *Soil Sci.* 103(1):23-29. Ref. Jan. 1967. 56.8 So3
- 40024 JONSSON, H. A. Germination resistance and protein content of spring wheat. (Ge) *Agri Hort. Genet.* 24(1/2):88-110. Ref. 1966. 64.8 Ag8
English summary.
Chiefly correlation between protein content and alpha-amylase activity, and nitrogen fertilization.
- 40025 KAUKIS, K., and HAUNOLD, A. Effect of maturity on amylose content in the sweet corn endosperm. *Crop Sci.* 6(6):577-579. Ref. Nov./Dec. 1966. 64.8 C883
- 40026 KAUL, C. L., and SINGH, S. P. Studies in male-sterile barley II. Pollen abortion. *Crop Sci.* 6(6):539-541. Nov./Dec. 1966. 64.8 C883
- 40027 KIRYAKOV, K., and VASEV, V. Effect of soil type, soil moisture, and fertilizers on water regime of corn. (Bu) *Vish Selskостopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):145-156. Ref. 1965. 106.3 P72
German summary.

- 40028 KLEESE, R. A. Photophosphorylation in barley. *Crop Sci.* 6(6):524-527. Ref. Nov./Dec. 1966. 64.8 C883
- 40029 KOCH, B. A. H. Phototropic responses of corn coleoptiles. *Diss. Abstr.*, Sect. B, 27(1):55B. July 1966. Z5055.049D53
- 40030 KOLEV, D. KH. Determination of the free amino acid content in rye-wheat hybrids and their initial parental forms. (Bu) Vissel Sel'skostonpanski Inst. "Vasil Kolarov." *Nauch. Tr.* 14(1):291-299. Ref. 1965. 106.3 P72
German summary.
- 40031 LEEUWRIK, D. M. Culm development and the nature of plant height differences in *Triticum vulgare* (Vill.) Host. *Diss. Abstr.*, Sect. B, 27(1):1350B. Nov. 1966. Z5055.049D53
- 40032 MACRAE, I. C., and CASTRO, T. F. Carbohydrates and amino acids in the root exudates of rice seedlings. *Phyton* (Vicente Lopez) 23(2): 95-100. Ref. Nov. 1966. 450 P567
- 40033 MASUDA, Y., and WADA, S. Requirement of RNA for the auxin-induced elongation of oat coleoptile. *Physiol. Plant.* 19(4):1055-1063. Ref. 1966. 450 P564
Actinomycin D and IAA studied.
- 40034 MAYR, E. Studies of the relationship between vegetation period and yields of wheat and total radiation. (Ge) *Forsch. Fortsch.* 40(4):103-104. Apr. 1966. 474 F772
- 40035 MCLAREN, A. D., and BRADFUTE, O. E. Inhibition of plant root growth by enzymes and histones. *Physiol. Plant.* 19(4):1094-1100. Ref. 1966. 450 P564
Barley and wheat.
- 40036 MOUSTAFA, E. Specificity between L-lysine: sRNA ligases and sRNA from wheat germ and pea seed. *Phytochemistry* 5(6):1289-1295. Ref. Nov. 1966. 450 P5622
- 40037 NAQVI, S. N., and HAMID, Q. Influence of temperature on three varieties of paddy at Kishoreganj. *Agr. Pakistan* 16(1):7-18. Mar. 1965. 22 Ag832
- 40038 NAQVI, S. N., and HAMID, Q. A study of weather factors and the yield of un-irrigated wheat at Rawalpindi. *Agr. Pakistan* 16(1):19-38. Mar. 1965. 22 Ag832
- 40039 NISHIYAMA, I., and INAMORI, Y. Length of dormant period in seeds of *Avena* species. (Ja) *Jap. J. Breeding*. 16(2):73-76. Ref. June 1966. 64.8 J27
English summary.
- 40040 ORDIN, L., and others. Role of auxin in growth of inhibitor-treated oat coleoptile tissue. *Physiol. Plant.* 19(4):937-945. Ref. 1966. 450 P564
M. J., Garber, B. P. Skoe, and G. Rolle, joint authors.
IAA, 2,4-D, and peroxyacetyl nitrate.
- 40041 PINKAS, L. L. H., and SMITH, L. H. Physiological basis of differential strontium accumulation in two barley genotypes. *Plant Physiol.* 41(9):1471-1475. Ref. Nov. 1966. 450 P692
- 40042 PLAUT, Z., and HALEVY, A. H. Regeneration after wilting, growth and yield of wheat plants, as affected by two growth-retarding compounds. *Physiol. Plant.* 19(4):1064-1072. Ref. 1966. 450 P564
CCC and B-995.
- 40043 POMERANZ, Y., FINNEY, K. F., and HOSENEY, R. C. Amino-acid composition of maturing wheat. *J. Sci. Food Agr.* 17(11):485-487. Ref. Nov. 1966. 382 Sot2
- 40044 PRONIN, M. E., and PAVLOVA, A. P. Qualitative composition of proteins of corn seed depending on its position on the cob. (Rus) *Nauch. Dok. Vysshel Shkoly. Biol. Nauk.* 2:158-161. Ref. 1965. 442.8 N22
- 40045 PROTSENKO, D. F., and OSTAPLYUK, E. D. Peculiarities of hardening and winter hardness of winter wheat and rye. (Rus) *Nauch. Dok. Vysshel Shkoly. Biol. Nauk.* 2:148-151. 1965. 442.8 N22
- 40046 REICHMAN, G. A., and GRUNES, D. L. Effect of water regime and fertilization on barley growth, water use, and N and P uptake. *Agron. J.* 58(5):513-517. Ref. Sept./Oct. 1966. 4 Am34P
- 40047 RIMOVSKY, K., and CHLOUPEK, O. The size of the surface of uptake of roots in some varieties of spring barley. (Ge) *Brno. Vysoka Sk. Zemedel. Sb. Rada D.* Spisy Fak. Provozne Ekon. 2:113-119. Ref. 1966. HD1940.C95A1
French summary.
- 40048 RINKIS, G. YA., and RAMANE, KH. K. Effects of soil permeability on uptake of nutrients by buckwheat. (Rus) *Agrokhimiya* 2:63-72. Ref. 1966. 385 Ag89
- 40049 SARKISSIAN, I. V., and MCDANIEL, R. G. Regulation of mitochondrial activity by indole-acetic acid. *Biochim. Biophys. Acta* 129(3): 413-418. Ref. Dec. 14, 1966. 381 B522
Corn.
- 40050 EL-SEROGY, S., EL GIBALI, A., and EID, M. T. Effect of irrigation frequency upon corn yield, plant, and grain contents. *Agr. Res. Rev.* 44(1):99-115. Ref. Jan. 1966. 24 Eg94
United Arab Republic.
- 40051 SHINKOVICH, M. Vitamin B-group accumulation in hybrid corn and parental forms. (Rus) *Nauch. Dok. Vysshel Shkoly. Biol. Nauk.* 1:186-188. 1965. 442.8 N22
- 40052 SINCLAIR, C. Relation between mineral deficiency and amine synthesis in barley. *Nature* 213(5072):214-215. Jan. 14, 1967. 472 N21
- 40053 STANCHEV, L., and others. Fertilization of corn under irrigated conditions. II. Effect of fertilizers on uptake of nutritional substances by hybrid corn, Ohio C-92. (Bu) *Vissel Sel'skostonpanski Inst. "Vasil Kolarov." Nauch. Tr.* 14(1):115-125. 1965. 106.3 P72
S. Gorbano, I. Matev, and N. Mashev, joint authors.
German summary.
- 40054 STOSKOPF, N. C., KLINCK, H. R., and STEPPER, H. A. Temperature in relation to growth and net assimilation rate of oats. *Can. J. Plant Sci.* 46(4):397-404. Ref. July 1966. 450 C16
Microclimate.
- 40055 STRANAK, A., and RIDKY, K. On some problems of the theory of soil tillage. I. The effect of the soil compactness of the growth and yields of spring barley. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform.* *Rostlinna Vyroba* 39(8):809-832. Ref. Aug. 1966. 64.9 C33
English summary.
- 40056 TOMASZEWSKI, M., and THIMMAN, K. V. Interactions of phenolic acids, metallic ions and chelating agents on auxin-induced growth. *Plant Physiol.* 41(9):1443-1454. Ref. Nov. 1966. 450 P692
Avena.
- 40057 TORII, K., and LATIES, G. G. Organic acid synthesis in response to excess cation absorption in vacuolate and non-vacuolate sections of corn and barley roots. *Plant Cell Physiol.* 7(3): 395-403. Ref. Sept. 1966. 450 P699
- 40058 TREPACHEV, E. P. Uptake of phosphorus by corn in different weather. (Rus) *Agrokhimiya* 2:28-38. Ref. 1966. 385 Ag89
- 40059 TRIONE, E. J., YOUNG, J. L., and YAMAMOTO, M. Free amino acid changes associated with vernalization of wheat. *Phytochemistry* 6(1):85-91. Ref. Jan. 1967. 450 P5622
- 40060 VLASYUK, P. A., and NIZHKO, V. F. Effect of various forms of nitrogen on fractions and amino acid composition of corn proteins. (Rus) *Agrokhimiya* 2:16-22. Ref. Feb. 1966. 385 Ag89
- 40061 WOOLLEY, D. G., and PITTMAN, U. J. P32 detection of geomagnetotropism in winter wheat roots. *Agron. J.* 58(6):561-562. Nov./Dec. 1966. 4 Am34P
- 40062 YOUNG, A. L., and FELTNER, K. C. Managerial and physiological factors influencing the winter hardness of barley in Wyoming. *Crop Sci.* 6(6):547-551. Ref. Nov./Dec. 1966. 64.8 C883
Air and soil temperature, and soil moisture.
- 40063 YOUNG, M. R., and NEISH, A. C. Properties of the ammonia-lyases deaminating phenylalanine and related compounds in *Triticum aestivum* and *Pteridium aquilinum*. *Phytochemistry* 5(6):1121-1132. Ref. Nov. 1966. 450 P5622

- 40064 YOUNG, W. I., and RASMUSSESON, D. C. Variety differences in strontium and calcium accumulation in seedlings of barley. *Agron. J.* 58 (5):481-483. Ref. Sept./Oct.1966. 4 Am34P
- 40065 YUE, S. B. Isoenzymes of malate dehydrogenase from barley seedlings. *Phytochemistry* 5(6):1147-1152. Nov.1966. 450 P5622
- 40066 ZUCCARDI, R. B., and FADDA, G. S. Influence of soil compaction on the development and yield of wheat. (Sp) *Rev. Agron. Noroeste Argent.* 4(2):143-153. Ref. 1965. 9 R3222 English summary.

Physiology and Biochemistry - Fiber Crops

- 40067 ABD-ELNAIM, E. M., and AHMED, M. B. Physiological studies on the Egyptian cotton varieties. II. A comparative study on nitrogen utilization by Ashmouni and Karnak cotton plants at different stages of growth under sand culture conditions. *Agr. Res. Rev.* 43(2):109-140. Ref. Apr.1965. 24 Eg94
- 40068 AKBAR, M. J., KHAN, M. UD. D., and ALI, H. Effect of deblossoming on the uptake of nitrogen, phosphorus and potash in American and Desi cottons. *West Pakistan J. Agr. Res.* 3(4):46-51. Ref. Dec.1965. 22 W52
- 40069 BURKALOV, N. Effect of foliar application of phosphorus on retention of fruit organs by cotton. (Bu) *Viss Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):199-204. Ref. 1965. 106.3 P72 German summary.
- 40070 CARTER, F. L., and others. Chemical composition studies of seeds of the genus *Gossypium*. *Phytochemistry* 5(6):1103-1112. Ref. Nov. 1966. 450 P5622
A. E. Castillo, V. L. Frampton, and T. Kerr, joint authors.
Includes cultivated spp.
- 40071 IBRAGIMOV, SH. I., and KOVALCHUK, R. I. Study of chemical mutagen effect on the growth, development and productivity of cotton plants. (Rus) *Moskov. Obshch. Ispytatelei Priroda*. (Tr. Otd. Biol. 23:179-185. 1966. 442.9 M855T English summary.
Ethylenimine and ethyl methanesulfonate.
- 40072 ISAAC, I. G., SHAFIK, M. T., and EL-KHISHEN, S. A. The effect of sevin and its chemical components ethyl-methyl-carbamate and alpha-naphthol, on the growth of cotton plants. *Alexandria J. Agr. Res.* 13(2):69-97. July 1965. 24 AL2
- 40073 IZMALKOV, V. I. Dynamics of fiber accumulation in stems of the YU S-6 hemp variety. (Rus) *Len Konoplya* 12:21. 1966. 73.8 L542
As influenced by application of mineral fertilizers.
- 40074 KHAN, A. H., and KHAN, A. R. Some studies in the improvement of cotton crop in Thal. 2. Growth and development. *West Pakistan J. Agr. Res.* 3(4):29-45. Dec.1965. 22 W52
Includes varietal tests.
- 40075 EL-KHOLI, A. F., and others. Manganese and phosphorus distribution in cotton plants. *Agr. Res. Rev.* 43(2):79-96. Ref. Apr.1965. 24 Eg94
A. Serry, A. Mawardi, E. Mishriki, and E. M. Abd-el Nalem, joint authors.
- 40076 MALIK, D. M., and KHAN, A. H. Some studies in the quality of cottonseed oil of new Pak cottons (*Gossypium hirsutum* L) as influenced by different soil and climatic conditions in Lyallpur region. *West Pakistan J. Agr. Res.* 3(4):16-26. Ref. Dec.1965. 22 W52
- 40077 MEMON, A. M., BALUCH, M. A. A., and KAZI, Q. H. Studies on flower and fruit shedding in upland cottons in Hyderabad region of West Pakistan. *West Pakistan J. Agr. Res.* 3(4):52-56. Ref. Dec.1965. 22 W52
- 40078 MILEY, W. N. Relationship of boron to nutrient element uptake and yield of cotton on selected soils in Arkansas. *Diss. Abstr.*, Sect. B, 27 (1):17B-18B. July 1966. Z5055.U49D53

- 40079 MOGILNER, I., and PILATTI, O. F. Accumulation of dry weight, nitrogen, phosphorus, potassium, and calcium in flower buds, flowers and fruits of several ages, located in several fructiferous branches of the cotton plant. (Sp) *Phyton [Vicente Lopez]* 23(2):69-72. Nov.1966. 450 P567
English summary.
- 40080 EL-NAWAY, A. S., and KHALIFA, M. A. S. Bimodal phytocidal properties of sodium and several s-alkylisothiocuronium N: N- diethyl-dithiocarbamates. *Alexandria J. Agr. Res.* 13(2):5-8. July 1965. 24 AL2
Effects on cotton and wheat seedlings.
- 40081 EL-NAWAY, A. S., ASHRY, M. A., and ZEID, M. M. Relation between chemical structure and biological activity. XV. Phytocidal properties of sodium and ten s-alkylisothiocuronium salts of N: N-dimethyldithiocarbamic acid to cotton and wheat seedlings. *Alexandria J. Agr. Res.* 13(2):17-30. July 1965. 24 AL2
- 40082 RAY, L. L., and RICHMOND, T. R. Morphological measures of earliness of crop maturity in cotton. *Crop Sci.* 6(6):527-531. Ref. Nov./Dec.1966. 64.8 C883
- 40083 SCHALLER, C. C. The effect of moisture stress on the ion metabolism of the cotton seedling. *Diss. Abstr.*, Sect. B, 27(1):18B. July 1966. Z5055.U49D53
- 40084 SCHWERTNER, H. A., and MORGAN, P. W. Role of IAA-oxidase in abscission control in cotton. *Plant Physiol.* 41(9):1513-1519. Ref. Nov.1966. 450 P692
- 40085 SHAMSHURIN, A. A. Abscisin, a phytohormone. (Rus) *Priroda [Moscow]* 12:60-61. 1966. 410 P933
From cotton.

Physiology and Biochemistry - Forage Crops and Grasses

- 40086 AITKEN, Y. The flowering responses of crop and pasture species in Australia. I. Factors affecting development in the field of *Lolium* species (*L. rigidum* Gaud., *L. perenne* L., *L. multiflorum* Lam.). *Australian J. Agr. Res.* 17(6):821-839. Ref. Nov.1966. 23 Au783
- 40087 AVDONIN, N. S., and LEBEDEVA, L. A. Effect of properties and temperature of soil, and fertilizers on catalase and peroxidase activity in overwintering clover plants. (Rus) *Dok. Vyshei Shkoly. Biol. Nauk.* 1:160-163. 1965. 442.8 N22
- 40088 BARROW, N. J. Nutrient potential and capacity. II. Relationship between potassium potential and buffering capacity and the supply of potassium to plants. *Australian J. Agr. Res.* 17(6):849-861. Ref. Nov.1966. 23 Au783
Subterranean clover.
- 40089 BEATY, E. R. Sprouting of coastal bermudagrass [*Cynodon dactylon*] stolons. *Agron. J.* 58(5):555-556. Sept./Oct.1966. 4 Am34P
- 40090 BROCKWELL, J., and HELY, F. W. Symbiotic characteristics of *Rhizobium meliloti*: an appraisal of the systematic treatment of nodulation and nitrogen fixation interactions between hosts and *Rhizobia* of diverse origins. *Australian J. Agr. Res.* 17(6):885-899. map. Ref. Nov.1966. 23 Au783
Legumes.
- 40091 BROYER, T. C., LEE, D. C., and ASHER, C. J. Selenium nutrition of green plants. Effect of selenite supply on growth and selenium content of alfalfa and subterranean clover. *Plant Physiol.* 41(9):1425-1428. Ref. Nov.1966. 450 P692
- 40092 COOPER, C. S. Winterhardness of orchardgrass and crested wheatgrass clones in relation to the ability of their seeds to germinate against an osmotic stress. *Agron. J.* 58(5):494-495. Sept./Oct.1966. 4 Am34P
- 40093 CROUSE, R. P., CORBETT, E. S., and SEEGRIST, D. W. Methods of measuring and analyzing rainfall interception by grass. *Int. Ass. Sci. Hydrol. Bull.* 11(2):110-120. Ref. June 1966. 292.9 As7

- 40094 DOBRENZ, A. K., and MASSENGALE, M. A. Change in carbohydrates in alfalfa (*Medicago sativa* L.) roots during the period of floral initiation and seed development. *Crop Sci.* 6(6): 604-607. Ref. Nov./Dec.1966. 64.8 C883
- 40095 DOSS, B. D., and others. Interactions of soil moisture, nitrogen, and clipping frequency on yield and nitrogen content of coastal bermudagrass. *Agron. J.* 58(5):510-512. Ref. Sept./Oct.1966. 4 Am34P
D. A. Ashley, O. L. Bennett, and R. M. Patterson, joint authors.
- 40096 ELLERN, S. J., and TADMOR, N. H. Germination of range plant seeds at fixed temperatures. *J. Range Manage.* 19(6):341-345. Ref. Nov. 1966. 60.18 J82
Grasses and legumes; in Israel.
- 40097 FEJER, S. O. Gibberellic acid treatment of *Dactylis glomerata* and its residual effects on the following generation. *Can. J. Plant Sci.* 46 (4):367-370. July 1966. 450 C16
- 40098 GORZ, H. J., and HASKINS, F. A. Use of shoot-root grafts in studies of site of o-hydroxycinnamic acid synthesis in *Mellilotus alba*. *Crop Sci.* 6(6):545-547. Ref. Nov./Dec.1966. 64.8 C883
- 40099 GRAY, I. K., RUMSBY, M. G., and HAWKE, J. C. The variations in linolenic acid and galactolipid levels in Gramineae species with age of tissue and light environment. *Phytochemistry* 6(1):107-113. Ref. Jan.1967. 450 P5622
- 40100 GRIMES, D. W. An evaluation of the availability of potassium in crop residues. *Diss. Abstr.*, Sect. B, 27(1):22B. July 1966. Z5055.U49D53
Effect of potassium on ryegrass and soils.
- 40101 HEINRICH, D. H. Alfalfa variety response to growth at four different root zone temperatures. *Forage Notes [Ottawa]* 11(1):33-34. Spring 1965. 60.8 F742
- 40102 HUGHES, T. D., and others. Effect of soil bulk density and soil water pressure on emergence of grass seedlings. *Agron. J.* 58(5):549-553. Ref. Sept./Oct.1966. 4 Am34P
J. F. Stone, W. W. Huffine, and J. R. Gingrich, joint authors.
Cynodon dactylon and *Eragrostis curvula*.
- 40103 HUNT, L. A. Ash and energy content of material from seven forage grasses. *Crop Sci.* 6 (6):507-509. Ref. Nov./Dec.1966. 64.8 C883
- 40104 ISOBE, M. Estimation of soil nitrogen availability under different levels of soil phosphorus. *Diss. Abstr.*, Sect. B, 27(1):23B. July 1966. Z5055.U49D53
Uptake by ryegrass.
- 40105 KAMSTRA, L. D., STANLEY, R. W., and ISHIZAKI, S. M. Seasonal and growth period changes of some nutritive components of kikuyu grass [*Pennisetum clandestinum*]. *J. Range Manage.* 19(5):288-291. Ref. Sept.1966. 60.18 J82
- 40106 KHAN, M. UD D., and ALI, H. Some studies on the effect of manuring and number of cuttings on seed setting of berseem. *West Pakistan J. Agr. Res.* 3(4):63-68. Ref. Dec.1965. 22 W52
- 40107 KNOWLES, R. P. Effect of stubble removal on seed production of bromegrass, *Bromus inermis* Leyss. *Agron. J.* 58(5):556-557. Sept./Oct.1966. 4 Am34P
- 40108 KNOWLES, R. P. Seed storage of grasses. *Forage Notes [Ottawa]* 11(1):24. Spring 1965. 60.8 F742
Germination tests.
- 40109 MCBEE, G. G., and HOLT, E. C. Shade tolerance studies on bermudagrass [*Cynodon dactylon*] and other turfgrasses. *Agron. J.* 58(5): 523-525. Sept./Oct.1966. 4 Am34P
- 40110 MOATES, R. F. An examination of the alkaloids of *Lupinus diffusus* Nutt. *Diss. Abstr.*, Sect. B, 27(5):1422B. Nov.1966. Z5055.U49D53
- 40111 MORRISON, J. The influence of lime, lime pelleting, and method of sowing on the nodulation and growth of subterranean clover. *Brit. Grassland Soc. J.* 21(4):270-275. Dec.1966. 60.19 B773
- 40112 MULLETT, J. H. The effect of a growth regulator [alpha naphthalene acetic acid] on seed production and retention in *Phalaris tuberosa* L. *Australian Inst. Agr. Sci. J.* 32(3):218-219. Sept.1966. 23 Au74
- 40113 POLINIERE, J. P., and BRANDT, H. VAN. Fertilizing of *Pueraria phaseoloides* and investigations on its mineral content. (Fr) *Agron. Trop. [Paris]* 21(9):1036-1048. Ref. Sept.1966. 26 Ag86
English summary.
- 40114 RUSSELL, M. J., and COALDRAKE, J. E. The effects of some chlorinated hydrocarbon insecticides on nodulation of *Medicago sativa* and *Glycine javanica*. *Australian Inst. Agr. Sci. J.* 32(3):214-216. Sept.1966. 23 Au74
- 40115 RYLE, G. J. A. Growth rates in *Lolium temulentum* as influenced by previous regimes of light energy. *Nature* 213(5073):309-311. Jan.21,1967. 472 N21
- 40116 SILSBURY, J. H. Interrelations in the growth and development of *Lolium*. II. Tiller number and dry weight at low density. *Australian J. Agr. Res.* 17(6):841-847. Ref. Nov.1966. 23 Au783
Lolium rigidum, and *L. perenne*.
- 40117 TRAUTNER, J. L., and GIBSON, P. B. Fate of white clover axillary buds at five intensities of sunlight. *Agron. J.* 58(5):557-558. Sept./Oct.1966. 4 Am34P
- 40118 WARTEMBERG-RUMMEN, G. Effects of light on the Janus green reduction in the epidermis cells of *Vicia faba* var. major. (Ge) *Protoplasma* 62(2/3):210-215. Ref. 1966. 442.8 P94
- 40119 WHALLEY, R. D. B., MCKELL, C. M., and GREEN, L. R. Effect of environmental conditions during the parent generation on seedling vigor of the subsequent seedlings of *Oryzopsis miliacea* (L.) Benth & Hook. *Crop Sci.* 6(6): 510-512. Ref. Nov./Dec.1966. 64.8 C883
Includes application of nitrogen, phosphorus, and water stress.
- 40120 WILSON, A. M., and HARRIS, G. A. Hexose-, inositol-, and nucleoside phosphate esters in germinating seeds of crested wheatgrass [*Agropyron desertorum*]. *Plant Physiol.* 41(9): 1416-1419. Ref. Nov.1966. 450 P692

Physiology and Biochemistry - Oil Crops

- 40121 ANDREWS, C. H. Some aspects of pod and seed development in Lee soybeans. *Diss. Abstr.*, Sect. B, 27(5):1347B. Nov.1966. Z5055.U49D53
- 40122 BROWN, J. C. Fe and Ca uptake as related to root-sap and stem-exudate citrate in soybeans. *Physiol. Plant.* 19(4):968-976. Ref. 1966. 450 P564
- 40123 DYBING, C. D., and ZIMMERMAN, D. C. Fatty acid accumulation in maturing flaxseeds as influenced by environment. *Plant Physiol.* 41 (9):1465-1470. Ref. Nov.1966. 450 P692
- 40124 GHANI, A. M. A., TAYEL, M. Y. The effect of fertilization and spraying with iron sulphate on the growth and iron uptake by soybeans plants. *J. Soil Sci. United Arab Repub.* 6(1):29-36. 1966. 56.8 J825
- 40125 GROSS, A. T. H., and STEFANSSON, B. R. Effect of planting date on protein, oil, and fatty acid content of rape seed [*Brassica napus*] and turnip rape [*Brassica campestris*]. *Can. J. Plant Sci.* 46(4):389-395. Ref. July 1966. 450 C16
- 40126 HANOWER, P., and BRZOZOWSKA, J. Evolution of free arginine in peanut deficient in sulfur. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263 (25):1969-1972. Dec.19,1966. 505 P21
- 40127 JOHNSON, B. J., and others. Effects of molybdenum seed treatments on germination of soybeans. *Agron. J.* 58(5):517-518. Ref. Sept./Oct.1966. 4 Am34P
H. B. Harris, M. B. Parker, and E. E. Winstead, joint authors.

- 40129 JONES, J. P. Effect of nitrogen and irrigation level on yield of safflower. Diss. Abstr., Sect. B, 27(5):1349B. Nov.1966. Z5055.U49D53 Seed yield and composition.
- 40129 LAING, D. R. The water environment of soybeans. Diss. Abstr., Sect. B, 27(1):17B. July 1966. Z5055.U49D53
- 40130 MITROVIC, A. The effect of ecological conditions on physical and chemical properties of soybean seeds. (Se) Arh. Poljoprivredne Nauk. 19(66):17-29. Ref. 1966. 21.5 Y9 Chiefly summary.
- 40131 PLESSERS, A. G. The variation in fatty acid composition of the seed of *Linum* species. Can. J. Genet. Cytol. 8(2):328-335. Ref. June 1966. 443.8 C16
- 40132 SINHA, S. K. Influence of different sources of nitrogen on the metabolism of acetate-2-¹⁴C by the germinating castorbean endosperm & roots. Indian J. Exp. Biol. 4(2):129-130. Apr.1966. 442.8 In2
- 40133 STEARNS, E. M. Studies of the biosynthesis of unsaturated fatty acids in soybean cotyledons. Diss. Abstr., Sect. B, 27(1):88B-89B. July 1966. Z5055.U49D53
- 40134 TATTERSFIELD, J. R. The sensitivity of soya beans (*Glycine max.* (L. Merrill) to lack of moisture during seed development. Rhodesia Zambia Malawi J. Agr. Res. 4(2):107-109. July 1966. 24 R3472
- 40135 WERKHOVEN, C. H. E., FIREMAN, M., and MILLER, M. D. Growth, chemical composition, and yield of safflower as affected by exchangeable sodium. Agron. J. 58(5):539-543. Ref. Sept./Oct.1966. 4 Am34P
- 40136 WILLATT, S. T. Soil temperatures under soya beans. Rhodesia Zambia Malawi J. Agr. Res. 4(2):95-105. July 1966. 24 R3472
- Physiology and Biochemistry - Sugar Crops
- 40137 AYYAR, P. S. H., RAO, G. R., and BANERJI, J. R. Influence of day-degrees on the elongation of sugarcane. Indian Sugarcane J. 9(4):212-216. July/Sept.1965. 65.8 In27 Chiefly effects of temperature.
- 40139 BERNSTEIN, L., FRANCOIS, L. E., and CLARK, R. A. Salt tolerance of N. Co. varieties of sugar cane. I. Sprouting, growth, and yield. Agron. J. 58(5):489-493. Sept./Oct. 1966. 4 Am34P
- 40139 BERNSTEIN, L., and others. Salt tolerance of N. Co. varieties of sugar cane. II. Effects of soil salinity and sprinkling on chemical composition. Agron. J. 58(5):503-507. Sept./Oct. 1966. 4 Am34P
- 40140 R. A. Clark, L. E. Francois, and M. D. Derdarian, joint authors. EHNROT, B. Field properties of sugar-beet seed and considerations on the mechanization of the thinning. Socker, Handl. II, 20(2):19-38. 1965. 65.8 S01 Chiefly germination and emergence.
- 40141 GLADKOV, A. T., and ZOLOTOV, L. N. After effect of minor elements used for sugar beet seed treatment before planting. (Rus) Khim. Sel'skonn Khoz. 4(10):11-13. Oct.1966. 385 K524 Effect of manganese and boron on yields and quality.
- 40142 HAWKER, J. S. Studies on the location of sucrose phosphatase in plant tissues. Phytochemistry 5(6):1191-1199. Ref. Nov.1966. 450 P5622 Sugarcane.
- 40143 KHAFAGA, E. E., and others. A field method for testing maturity of sugar cane. Agr. Res. Rev. 43(3):21-37. July 1965. 24 Eg94 M. A. El Samei, M. M. Girsis, A. F. M. Aly, and F. H. El Helbawy, joint authors.
- 40144 LUDECKE, H., and NITZSCHE, M. The root-to-ratio and the ripening quotient in relation to the ending of the sugar formation under different weather conditions as manifested in 1959-1965 tests. (Ge) Zucker 19(16):421-427. Aug.15,1966. 65.8 Z82 English summary.
- 40145 MAYER, A. M. Catechol oxidase: enzymic liberation from sugar beet chloroplasts. Phytochemistry 5(6):1297-1301. Ref. Nov.1966. 450 P5622
- 40146 MISRA, G. N. Early application of nitrogen as a means to mitigate its adverse effects on the juice quality of sugarcane. Indian Sugar [Calcutta] 16(6):469-472. Sept.1966. 65.8 In26
- 40147 OGUNTOYINBO, J. S. Evapotranspiration and sugarcane yields in Barbados. J. Trop. Geogr. 22:38-48, map. Ref. June 1966. 331.8 M29
- 40148 PANDEY, V., and FAROOQUI, M. H. Invertase activity as influenced by temperature in different tissues of sugarcane plant. Indian Sugarcane J. 9(4):217-218. Ref. July/Sept.1965. 65.8 In27
- 40149 ROSENBERG, N. J. Influence of snow fence and corn windbreaks on microclimate and growth of irrigated sugar beets. Agron. J. 58(5):469-475. Ref. Sept./Oct.1966. 4 Am34P
- 40150 SCORNEC, P. Betaine in the glomerule of *Beta vulgaris*. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(16):1164-1167. Ref. Oct.17,1966. 505 P21
- 40151 SINGH, J. N. Uptake and accumulation of calcium by sugarcane as affected by age and phosphorus deficiency. Indian Sugarcane J. 9(4):223-225. Ref. July/Sept.1965. 65.8 In27
- 40152 SUSTR, V. Loss of sugars by the respiration of seed sugar beets during overwintering under various methods of storage. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):1015-1022. Sept.1966. 64.9 C33 English summary.
- 40153 WILLEY, L. A. Bolting in early-sown sugar beet. Brit. Sugar Beet Rev. 35(2):71-72. Dec. 1966. 66.8 B77
- 40154 ZANA, J., and JANOSFY, K. Development of sugar beet in 1962-63. (Hu) Cukoripar 19(6):223-230. Nov./Dec.1966. 65.8 C89 German summary.
- Growth and biochemistry.

Physiology and Biochemistry - Tobacco

- 40155 CECH, M. Removal of the chloroplast fragments from plant extracts by the octanol flotation method. Nature 212(5070):1609-1610. Dec.31,1966. 472 N21 From tobacco and *Amaranthus caudatus*.
- 40156 GIBBS, J. L., and DOUGALL, D. K. The growth of single cells from *Nicotiana tabacum* callus tissue in nutrient medium containing agar. Exp. Cell. Res. 40(1):85-95. Ref. Oct. 1965. 442.8 Ex7
- 40157 GREEN, B. R. A study of the satellite DNA's of tobacco and other higher plants. Diss. Abstr., Sect. B, 27(1):76B. July 1966. Z5055.U49D53
- 40158 GRIFFITH, T., and GRIFFITH, G. D. Biosynthesis of piperidine alkaloids. I. Evidence for use of the diaminopimelic acid pathway for lysine synthesis in *Nicotiana glauca*. Phytochemistry 5(6):1175-1179. Ref. Nov.1966. 450 P5622
- 40159 HESS, J. L. A study and comparison of glycolic acid metabolism in tobacco and green algae. Diss. Abstr., Sect. B, 27(5):1391B-1392B. Nov.1966. Z5055.U49D53
- 40160 PRATHER, C. W., and SISLER, E. C. Purification and properties of serine hydroxymethyltransferase from *Nicotiana rustica* L. Plant Cell Physiol. 7(3):457-464. Ref. Sept.1966. 450 P699
- 40161 SCHMID, G. H., and GAFFRON, H. Light metabolism and chloroplast structure in chlorophyll-deficient tobacco mutants. J. Gen. Physiol. 50(3):563-582. Ref. Jan.1967. 447.8 J822
- 40162 SERGEEVA, N. G. Uptake of manganese by tobacco depending on its contents in soil. (Rus) Agrokimiya 2:73-76. Feb.1966. 385 Ag89

Physiology and Biochemistry of Horticultural Crops

- 40163 CO, D. Y. C. L., and SCHANDLER, S. H. The occurrence of 418 and 444 nm chlorophyll-type compounds in some green plant tissues. *Phytochemistry* 6(1):145-148. Ref. Jan.1967. 450 P5622
- Bush redpeppers, cucumbers, and bananas.
- 40164 KOUKARI, W. L., and HILLMAN, W. S. Phytochrome levels assayed by *in vivo* spectrophotometry in modified underground stems and storage roots. *Physiol. Plant.* 19(4):1073-1078. 1966. 450 P564
- Gladiolus and parsnips.

Physiology and Biochemistry - Fruit Crops

- 40165 ALI, M. K., and TALUKDAR, M. R. Effect of Planofix on the flower induction, maturity and fruit size of pineapple. *Agr. Pakistan* 16(2): 145-148. June 1965. 22 Ag832
- Growth regulator.
- 40166 ATTAWAY, J. A., PIERINGER, A. P., and BARABAS, L. J. The origin of citrus flavor components. II. Identification of volatile components from citrus blossoms. *Phytochemistry* 5(6):1273-1279. Nov.1966. 450 P5622
- Oranges.
- 40167 ATTAWAY, J. A., PIERINGER, A. P., and BARABAS, L. J. The origin of citrus flavor components. III. A study of the percentage variations in peel and leaf oil terpenes during one season. *Phytochemistry* 6(1):25-32. Jan. 1967. 450 P5622
- 40168 BAGHDADI, H. A., MINESSY, F. A., and KELEG, F. M. Some factors affecting the absorption of urea by balady mandarin and Washington navel orange leaves. *Alexandria J. Agr. Res.* 13(2):225-232. July 1965. 24 AL2
- 40169 BALLINGER, W. E., KUSHMAN, L. J., and GOLDSTON, E. F. Nutritional and quality studies of Wolcott blueberries in North Carolina. *Maine. Agr. Exp. Sta. Misc. Rep.* 118:39-42. 1966. 100 M28M
- Includes keeping quality and cooling studies.
- 40170 CHAND, P., and CHANDRA, V. ANA [alpha-naphthaleneacetic acid] helps the pineapple grower. *Fiji Farmer* 1(4):52-53. Dec.1965. 25 F473
- 40171 CSEPREGI, P. Examination of some factors determining the fertility of grape buds. (Hu) *Novenytermeles* 16(3):251-264. Ref. Aug. 1966. 64.8 N76
- English summary.
- Chiefly effects of environment and variety.
- 40172 DALBRO, S. Pollination of stone fruit and berries. (Da) *Erhvervsfrugtavlere* 33(11): 434-436. (Concl.) Nov.1,1966. 80 Er3
- 40173 DONEAUD, A., and others. The effect of local climate on the early ripening of grapes in the area of Lake Greca. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:145-155. Ref. 1963/64, pub.1966. 86 R862
- E. Dragomir, I. Armasescu, and G. Gorodea, joint authors.
- French summary.
- 40174 EIFERT, J. Physiological problems and agro-technical practices of grape grafting on the large vineyards. (Ge) *Weinberg Keller* 13(3): 107-120. Ref. Mar.1966. 95.8 W435
- English summary.
- 40175 EZZAT, A. H., and AZZOUNI, M. M. EL. Studies on the determination of fruit maturity of some olive varieties. *Agr. Res. Rev.* 43(1): 20-60. Ref. Jan.1965. 24 Eg94
- United Arab Republic.
- 40176 FOURCY, A., and others. Application of neutron activation analysis to determination of copper in viticulture and viticultural products. (Fr) *Int. J. Appl. Radiat. Isotopes* 17(11/12): 629-636. Ref. Dec.1966. 334.8 In84
- J. Dognin, J. Faure, and M. Neuburger, joint authors.
- English summary.
- 40177 GIRI, A., and YAQUB, M. A comparative study of seed germination and seedling vigour of grafted and seedling mangoes. *West Pakistan J. Agr. Res.* 3(4):138-144. Dec.1965. 22 W52
- 40178 GOLDSCHMIDT, E. E., and MONSELI, S. P. Citrus petal bioassay based on the indolyl-3-acetic acid effect on flower opening. *Nature* 212(5066):1064-1065. Dec.3,1966. 472 N21
- 40179 HEFTMANN, E., KO, S. T., and BENNETT, R. D. Identification of estrone in pomegranate seeds. *Phytochemistry* 5(6):1337-1339. Ref. Nov.1966. 450 P5622
- 40180 KAMEL, A. M., FAWZY, F., and EBED, M. Studies on bud behaviour in grapevine. *Agr. Res. Rev.* 43(1):61-120. Ref. Jan.1965. 24 Eg94
- Includes varieties in United Arab Republic.
- 40181 KHALIFAH, R. A., and LEWIS, L. N. Cytokinins in citrus isolation of a cell division factor from lemon seeds. *Nature* 212(5069):1472-1473. Ref. Dec.24,1966. 472 N21
- 40182 KHALIFAH, R. A. Indolyl-3-acetic acid from the developing banana fruit. *Nature* 212(5069): 1471-1472. Dec.24,1966. 472 N21
- 40183 KHAN, B. How to regulate fruit production in mango. *Agr. Pakistan* 16(4):473-476. Ref. Dec.1965. 22 Ag832
- 40184 LEE, Y. S., and others. Physiological and biochemical factors influencing the quality of canned applesauce. *Amer. Soc. Hort. Sci. Proc.* 88:116-120. Ref. 1966. 81 So12
- D. K. Salunkhe, J. Y. Do, and L. E. Olson, joint authors.
- 40185 LEPADATU, V., and CONDEI, G. Differentiation of fruit buds of grapes in function of fertilizers, soil amendments and irrigation. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:655-665. Ref. 1963/64, pub. 1966. 86 R862
- French summary.
- Includes liming materials.
- 40186 LOTTI, G., and AVERNA, V. Comparative research on the lipides present in seeds and rhizomes. (It) *Riv. Ital. Sostanze Grasse* 43(11): 485-493. Ref. Nov.1966. 307.8 OL3
- Includes discussion.
- English summary.
- Olive plant parts.
- 40187 LYNN, C. D., and JENSEN, F. L. Thinning effects of bloomtime gibberellin sprays on Thompson Seedless table grapes. *Amer. J. Enol. Viticult.* 17(4):283-289. Oct./Dec.1966. Ref. 390.9 Am33
- Review of the literature.
- 40188 MINESSY, F. A., NASR, T. A. A., and EL-AZAB, E. M. Effect of pruning on vegetative growth and fruiting in guavas. *Alexandria J. Agr. Res.* 13(2):297-318. July 1965. 24 AL2
- 40189 MINESSY, F. A., NASR, T. A. A., and EL-AZAB, E. M. Flower bud initiation in guavas. *Alexandria J. Agr. Res.* 13(2):257-262. July 1965. 24 AL2
- 40190 MINESSY, F. A., and NASSAR, A. R. Studies on changes in nitrogen and dry matter in the Cavendish banana bunch. *Alexandria J. Agr. Res.* 13(2):271-284. July 1965. 24 AL2
- 40191 MODORAN, I. The effect of fertilizers on the dynamics of formation and growth roots of seedlings of the wild apples, wild pears and Myrobalan plum. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:379-394. Ref. 1963/64, pub.1966. 86 R862
- French summary.
- 40192 NASR, T. A. A., and MINESSY, F. A. Some studies on the rest period of plums and pears in Egypt. *Alexandria J. Agr. Res.* 13(2):175-188. July 1965. 24 AL2
- 40193 OTA, S. On a minor component of proteolytic enzymes contained in the pineapple fruit. *J. Biochem.* 59(5):463-468. Ref. May 1966. 385 J822
- 40194 PANAIT, E. A contribution to the method of determination of sugars in plant tissues. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:995-1003. Ref. 1963/64, pub.1966. 86 R862
- French summary.
- Grapes.
- 40195 PRIBAVKINA, R. A. Rate of p32 uptake in apple and pear tissues in relation to degree of maturity of the plant. (Rus) *Nauch. Dok. Vys-shkoly. Biol. Nauk.* 1:95-98. 1965. 442.8 N22

- 40196 RADU, I. F. Factors affecting dynamics of the formation of cellulose in trees. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:909-929. Ref. 1963/64, pub. 1966. 86 R862
French summary.
Fruit.
- 40197 RHODES, M. J. C., and WOOLTON, L. S. C. The respiration climacteric in apple fruits. The action of hydrolytic enzymes in peel tissue during the climacteric period in fruit detached from the tree. *Phytochemistry* 6(1):1-12. Ref. Jan. 1967. 450 P5622
- 40198 RITZERT, R. W. The biochemistry and physiological implications of indole-3-acetic acid in the developing peach (*Prunus persica*) seed. *Diss. Abstr.*, Sect. B, 27(5):1400B-1401B. Nov. 1966. Z5055.U49D53
- 40199 ROMANI, R. J., YU, I. K. and FISHER, L. K. Mitochondrial resistance to massive irradiation in vivo. III-IV. *Arch. Biochem. Biophys.* 117(3):638-649. Ref. Dec. 1966. 381 Ar2
III, Suppression and recovery of respiratory control; IV, Suppression and recovery in rate of amino acid incorporation into mitochondrial protein.
Isolated from pear and apple tissues.
- 40200 SCHURZ, J. Why cherry fruit swells? (Ge) *Kosmos* 62(6):256-257. June 1966. 474 K842
- 40201 SCORA, R. W., ENGLAND, A. B., and BITTERS, W. P. The essentials of oil of *Poncirus trifoliata* (L.) Raf. and its selections in relation to classification. *Phytochemistry* 5(6):1139-1146. Nov. 1966. 450 P5622
- 40202 STEFAN, N., and others. Determination of the role and analysis of the climatic arboricultural index of apples, pears and plums in some fruit producing regions of Rumania. (RRum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:157-174. 1963/64, pub. 1966. 86 R862
R. Persunaru, I. Bodi, V. Cocu, I. Ivan, N. Meza, G. Moruju, S. Opera and M. Straulea, joint authors.
French summary.
- 40203 STOSSER, R. Befruchtungsbiologische und embryologische Untersuchungen bei der Suskirsche (*Prunus avium* L.) [Investigations on the fructification biology and embryology of mazzard cherries (*Prunus avium* L.)]. *Hohenheim. Landwirt. Hochsch. Arb.* 37, 112 p. 1966. 105.8 H686A
Bibliography, p. 96-112.
- 40204 YOKOYAMA, H., and WHITE, M. J. Citrus carotenoids. VI. Carotenoid pigments in the flavedo of Sinton citrangequat. *Phytochemistry* 5(6):1159-1173. Ref. Nov. 1966. 450 P5622
- Physiology and Biochemistry - Nuts
- 40205 SAGAIK, I. N. Bi-rooted almond and pear plants. (Rus) *Nauch. Dok. Vyssei Shkoly. Biol. Nauk.* 1:183-185. 1965. 442.8 N22
Physiology.
- Physiology and Biochemistry - Shade Trees and Ornamental Plants
- 40206 ASEN, S., and BUDIN, P. S. Cyanidin 3-arabinoside-5-glucoside, an anthocyanin with a new glycosidic pattern, from flowers of "Red Wing" azaleas. *Phytochemistry* 5(6):1257-1261. Ref. Nov. 1966. 450 P5622
- 40207 BANDYUKOVA, V. A., and BONDARENKO, N. V. Helenien from *Tagetes erecta* growing in northern Caucasus. (Rus) *Nauch. Dok. Vyssei Shkoly. Biol. Nauk.* 1:168-170. Ref. 1965. 442.8 N22
- 40208 BISWAS, P. K., PAUL, K. B., and HENDERSON, J. H. M. Effect of *Chrysanthemum* plant extract on flower initiation in short-day plants. *Physiol. Plant.* 19(4):875-882. Ref. 1966. 450 P564
- 40209 BOSTRACK, J. M., and STRUCKMEYER, B. E. Growth response of *Salvia splendens* Ker. to foliar applications of gibberellic acid. *Phyton* [Vicente Lopez] 23(2):73-77. Nov. 1966. 450 P567
- 40210 CORDUKES, W. E., WILNER, J., and ROTHWELL, V. T. The evaluation of cold and drought stress of turfgrasses by electrolytic and ninhydrin methods. *Can. J. Plant Sci.* 46(4):337-342. Ref. July 1966. 450 C16
- 40211 DOUGALL, D. K. Biosynthesis of protein amino acids in plant tissue culture. II. Further isotope competition experiments using protein amino acids. *Plant Physiol.* 41(9):1411-1415. Nov. 1966. 450 P692
Rosa.
- 40212 DUFF, D. T., and BEARD, J. B. Effects of air movement and syringing on the microclimate of bentgrass turf. *Agron. J.* 58(5):495-497. Sept./Oct. 1966. 4 Am34P
- 40213 ESASHI, Y. Effects of light quality and gas condition in the main light period on the photoperiodic tuberization of *Begonia evansiana*. *Plant Cell Physiol.* 7(3):465-474. Ref. Sept. 1966. 450 P699
Carbon dioxide.
- 40214 ESASHI, Y. The relation between red and blue or far-red lights in the night-interruption of the photoperiodic tuberization in *Begonia evansiana*. *Plant Cell Physiol.* 7(3):405-414. Ref. Sept. 1966. 450 P699
- 40215 FAYEZ, M. B. E., and RADWAN, A. S. Steroid sapogenins. X. The constituents of *Agave filifera*, *A. ghiesbreghtii* and *A. xylonacantha*. *J. Chem. United Arab Repub.* 9(1):81-86. 1966. 385 E93
Grown for ornamental purposes.
- 40216 FOSKET, D. E., and MIKSCHE, J. P. Protein synthesis as a requirement for wound xylem differentiation. *Physiol. Plant.* 19(4):982-991. Ref. 1966. 450 P564
Coleus blumei.
- 40217 GORYSHINA, T. K. Dynamics of temperature optima in *Gagea lutea* (L.) Ker-Gawl. during dormancy. (Rus) *Nauch. Dok. Vyssei Shkoly. Biol. Nauk.* 2:136-139. 1965. 442.8 N22
- 40218 HEIDE, O. M. Fluctuating temperatures for leaf cuttings of *Begonia cheimanthus*. (No) *Gartneryrket* 56(47):1055-1056. Nov. 18, 1966. 80 G1938
- 40219 JACKSON, G. A. D., and BLUNDELL, J. B. Effect of dormin on fruit-set in *Rosa*. *Nature* 212(5069):1470-1471. Dec. 24, 1966. 472 N21
- 40220 KINDL, H., and HOFFMANN-OSTENHOF, O. Examination concerning the biosynthesis of cyclitol. XIV. The formation of L-viburnitol in *Chrysanthemum leucanthemum*. (Ge) *Phytochemistry* 6(1):77-83. Ref. Jan. 1967. 450 P5622
English summary.
- 40221 LETEY, J., and others. Physical soil amendments, soil compaction, irrigation, and wetting agents in turfgrass management. III. Effects on oxygen diffusion rate and root growth. *Agron. J.* 58(5):531-535. Sept./Oct. 1966. 4 Am34P
W. C. Morgan, S. J. Richards, and N. Valoras, joint authors.
- 40222 MORE-LAVAL, A., and BRUNEL-CAPELLE, G. *Lilium candidum* L. and *L. tigrinum* K. G., plants with arginase content; repercussions of propagation by grafting on enzyme activity. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 263(25):1973-1976. Dec. 19, 1966. 505 P21
- 40223 MORGAN, W. C., and others. Physical soil amendments, soil compaction, irrigation, and wetting agents in turfgrass management. I. Effects on compactability, water infiltration rates, evapotranspiration, and number of irrigations. *Agron. J.* 58(5):525-528. Sept./Oct. 1966. 4 Am34P
J. Letey, S. J. Richards, and N. Valoras, joint authors.
- 40224 PUROHIT, A. N., and NANDA, K. K. Seasonal variation in ascorbic acid content of shoot apex and its relationship with extension growth of *Callistemon viminalis*. *Plant Cell Physiol.* 7(3):499-501. Sept. 1966. 450 P699

- 40225 STONE, K. J., and others. The characterization of ficaprenol-10, -11 and -12 from the leaves of *Ficus elastica* (decorative rubber plant). *Biochem. J.* 102(1):325-330. Jan. 1967. 382 B52
- A. R. Wellburn, F. W. Hemming, and J. F. Pennock, joint authors.
- 40226 SVEJDA, F. Investigations on the relationship between winterhardness in roses and the electric impedance measured during the growing period. *Can. J. Plant Sci.* 46(4):441-448. Ref. July 1966. 450 C16
- 40227 VALORAS, N., MORGAN, W. C., and LETEY, J. Physical soil amendments, soil compaction, irrigation, and wetting agents in turfgrass management. II. Effects on top growth, salinity, and minerals in the tissue. *Agron. J.* 58(5):528-531. Sept./Oct. 1966. 4 Am34P
- 40229 YONEDA, Y., and STONIER, T. Elongation of stem internodes in the Japanese morning glory (*Pharbitis nil*) in relation to auxin destruction. *Physiol. Plant* 19(4):977-981. Ref. 1966. 450 P564
- Indoleacetic acid.
- Physiology and Biochemistry - Vegetable and Truck Crops
- 40229 ANDERSEN, A. S. Auxin physiology of glucobrassicin. *Diss. Abstr.*, Sect. B, 27(5):1374B-1375B. Nov. 1966. Z5055.U49D53
- From *Brassica*, *Raphanus*, and *Sinapis*.
- 40230 ANDERSON, A. S., and MUIR, R. M. Auxin activity of glucobrassicin. *Physiol. Plant* 19(4):1038-1048. Ref. 1966. 450 P564
- In *Brassica oleracea* sabauda.
- 40231 BAISTER, D. J. Incorporation of label from geraniol-¹⁴C into squalene, beta-amyrin and beta-sitosterol in germinating pea seeds. *Phytochemistry* 6(1):93-97. Ref. Jan. 1967. 450 P5622
- 40232 BEEVERS, L., and GUERNSEY, F. S. Changes in some nitrogenous components during the germination of pea seeds. *Plant Physiol.* 41(9):1455-1458. Ref. Nov. 1966. 450 P692
- 40233 BHOORE, D. P., BHAPKAR, D. G., and CHAVAN, V. M. Studies in viviparous germination in egg-plant (*Solanum melongena*, Linn). *Dhulia. Coll. Agr. Mag.* 5(1):39-41. Jan. 1966. 107.5 D533
- 40234 BLUMENTHAL-GOLDSCHMIDT, S., and POL-JAKOFF-MAYBER, A. Comparison of the osmotic volume changes in chloroplasts isolated from different plants. *Plant Cell Physiol.* 7(3):357-362. Sept. 1966. 450 P699
- Vegetables.
- 40235 BOLHAR-NORDENKAMPF, H. Physiology of fluorescein storage in plant cells. (*Ge*) *Protoplasma* 62(2/3):133-156. Ref. 1966. 442.8 P94
- Tested in onions.
- 40236 BROOKS, K., and CRIDDLE, R. S. Enzymes of the carbon cycle of photosynthesis. I. Isolation and properties of spinach chloroplast aldolase. *Arch. Biochem. Biophys.* 117(3):650-659. Ref. Dec. 1966. 381 Ar2
- 40237 BROYER, T. C. Chlorine nutrition of tomato: observations on inadvertent accretion and loss and their implications. *Physiol. Plant* 19(4):925-936. Ref. 1966. 450 P564
- 40238 CHEN, H. R. Galloyanin-chromalum stain for plant nucleic acids. *Plant Cell Physiol.* 7(3):489-491. Sept. 1966. 450 P699
- Onions.
- 40239 CIASCA, M. A., and LUCHETTI, M. A. Use of tissue culture in vitro in the study of enzymes. I. Peroxidase of roots and middle section of the *Pisum sativum*. (*It*) *St. Super. Sanit. Ann.* 1(1/6):206-208. 1965. R65.18
- English summary.
- 40240 COWAN, J. W., and ESFAHANI, M. Chemical form and physiological availability of iodine in lettuce (*Lactuca sativa*). *Nature* 213(5073):289-290. Jan. 21, 1967. 472 N21
- 40241 DAVIS, D. G. Effects of iron on free radicals and manganese in red kidney bean as determined by electron paramagnetic resonance. *Diss. Abstr.*, Sect. B, 27(1):52B. July 1966. Z5055.U49D53
- 40242 DAWSON, R. M. C., and HEMINGTON, N. Some properties of purified phospholipase D and especially the effect of amphipathic substances. *Biochem. J.* 102(1):76-86. Ref. Jan. 1967. 382 B52
- From cabbage.
- 40243 EKEKUND, R., and HEMBERG, T. A comparison between geotropism and geoelectric effect in *Pisum sativum* and its mutant agotropum. *Physiol. Plant* 19(4):1120-1124. 1966. 450 P564
- Pisum sativum* agotropum.
- 40244 ETZEL, W. W. Effects of growth regulation chemicals and temperature on pollen germination, fruit set and production in *Lycopersicon esculentum*. *Diss. Abstr.*, Sect. B, 27(1):16B. July 1966. Z5055.U49D53
- 40245 FRANKLIN, E. W., and LOUGHEED, E. C. A new method for applying maleic hydrazide to inhibit sprouting of potato tubers. *Can. J. Plant Sci.* 46(4):450-452. July 1966. 450 C16
- 40246 GAMBORG, O. L. Aromatic metabolism in plants. III. Quinate dehydrogenase from mung bean cell suspension cultures. *Biochim. Biophys. Acta* 128(3):483-491. Ref. Dec. 14, 1966. 381 B522
- 40247 GIFFORD, E. M., and DENGLER, R. E. Histones and alkaline fast green staining of onion roots. *Amer. J. Bot.* 53(10):1125-1132. Ref. Nov./Dec. 1966. 450 Am36
- 40248 GOINS, T., LUNIN, J., and WORLEY, H. L. Water table effects on growth of tomatoes, snap beans and sweet corn. *Amer. Soc. Agr. Eng. Trans.* ASAE 9(4):530-533. 1966. 290.9 Am32T
- 40249 GROZDOVA, N. Nitrogen nutrition of tomatoes grown in greenhouse. (*Rus*) *Kartofel' Ovoshchi* 10:35-37. Oct. 1966. 75.8 K147
- 40250 HALL, T. C., and COCKING, E. C. Studies on protein synthesis in tomato cotyledons and leaves. I. Protein synthesis and turnover in intact cotyledons and leaves. *Plant Cell Physiol.* 7(3):329-341. Ref. Sept. 1966. 450 P699
- 40251 HALL, T. C., and COCKING, E. C. Studies on protein synthesis in tomato cotyledons and leaves. II. Intermediate stages of protein synthesis. *Plant Cell Physiol.* 7(3):343-356. Ref. Sept. 1966. 450 P699
- 40252 HENNINGER, M. D., GELARDI, C., and CRANE, F. L. Rubimedin particles on chloroplast lamellae. *Exp. Cell Res.* 44(2/3):655-658. Nov./Dec. 1966. 442.8 Ex7
- From spinach.
- 40253 HUSAIN, S. M., and LINCK, A. J. Relationship of apical dominance to the nutrient accumulation pattern in *Pisum sativum* var. *Alaska*. *Physiol. Plant* 19(4):922-1010. Ref. 1966. 450 P564
- 40254 HYODO, H., and URITANI, I. The inhibitory effect of some antibiotics on increase in onion diphenol oxidase activity during incubation of sliced sweet potato tissue. *Agr. Biol. Chem.* 30(11):1083-1086. Ref. Nov. 1966. 385 Ag8B
- 40255 JONARD, R. Study of radiorestitution of Jerusalem artichoke rhizome tissues by kinetin, gibberellic acid and yeast nucleic acids. (*Fr*) *Acad. Sci. Compt. Rend. Ser. D*, 263(16):1084-1085. Oct. 17, 1966. 505 P21
- 40256 JOTWANI, M. G., and YADAV, T. D. Effect of some common fumigants on the germinability of vegetable seeds. II. Indian *J. Entomol.* 28(1):111-113. Mar. 1966. 420 In23
- 40257 KALMA, J. D., and KUIPER, F. Transpiration and growth of *Phaseolus vulgaris* L. as affected by wind speed. *Wageningen. Landbouwhogeschool. Mededel.* 66(8), 8 p. Ref. 1966. 105.2 W122
- 40258 KASIKHIN, A. N., and others. Effects of monoesters of glycols and their derivatives on potato germination. (*Rus*) *Khim. Sel'skom Khoz.* 4(10):44-46. Oct. 1966. 385 K524
- A. I. Kuz'michev, V. V. Ryzhikh, A. F. Kolo-miets, and N. K. Bliznyuk, joint authors.
- 40259 KAUS, H., SWANSON, A. L., and HASSID, W. Z. Biosynthesis of the methyl ester groups of pectin by transmethylation from S-adenosyl-L-methionine. *Biochem. Biophys. Res. Commun.* 26(2):234-240. Jan. 23, 1967. 442.8 B5236
- From mung beans.

- 40260 KAZUTO, O. N., and TUEVA, O. F. Metabolism of phosphorus, provided to plants by roots and leaves. (Rus) *Agrokimiya* 2:43-48, Feb. 1966. 385 Ag89
Pumpkins.
- 40261 KESSLER, B., SPIEGEL, S., and ZOLOTOV, Z. Control of leaf senescence by growth retardants. *Nature* 213(5073):311-312. Jan. 21, 1967. 472 N21
Tested with bean leaves.
- 40262 KOK, B., and RURANSKI, H. J. Long-wave absorption and emission bands in chloroplast fragments. *Biochim. Biophys. Acta* 126(3):584-587. Ref. Nov. 8, 1966. 381 B522
Spinach.
- 40263 LAM, S. L., and ERICKSON, H. T. Interaction of light and gibberellin on potato seed germination. *Amer. Potato J.* 43(12):443-449. Ref. Dec. 1966. 75.8 P842
- 40264 LATIES, G. G., and HOELLE, C. The alpha-oxidation of long-chain fatty acids as a possible component of the basal respiration of potato slices. *Phytochemistry* 6(1):49-57. Ref. Jan. 1967. 450 P5622
- 40265 LATIES, G. G., and KENT, M. Auxin-induced expansion growth in disks of chicory root (*Cichorium intybus*). *Plant Physiol.* 41(9):1547-1548. Ref. Nov. 1966. 450 P692
- 40266 LAUGHLIN, W. M. Effect of soil applications of potassium magnesium sulfate and magnesium sulfate spray on potato yield, composition and nutrient uptake. *Amer. Potato J.* 43(11):403-411. Ref. Nov. 1966. 75.8 P842
- 40267 LEBLOVA, S. Metabolic changes in germinating peas under changed environmental conditions. III. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(11):1143-1164. Ref. Nov. 1966. 64.9 C33
English summary.
- 40268 LISOVSKII, G. M. Conditions affecting formation of hard seeds in beans. (Rus) *Nauch. Dok. Vyshei Shkoly. Biol. Nauk.* 2:152-157. 1965. 442.8 N22
Environmental.
- 40269 LONG, C., ODAVIC, R., and SARGENT, E. J. The action of cabbage-leaf phospholipase D upon lysolecithin. *Biochem. J.* 102(1):216-220. Ref. Jan. 1967. 382 B52
- 40270 LONG, C., ODAVIC, R., and SARGENT, E. J. The chemical nature of the products obtained by the action of cabbage-leaf phospholipase D on lysolecithin: the structure of lysolecithin. *Biochem. J.* 102(1):221-229. Ref. Jan. 1967. 382 B52
- 40271 LUTTGE, U., and LATIES, G. G. Dual mechanisms of ion absorption in relation to long distance transport in plants. *Plant Physiol.* 41(9):1531-1539. Ref. Nov. 1966. 450 P692
Corn.
- 40272 MACNICOL, P. K. Peroxidases of the Alaska pea (*Pisum sativum* L.); enzymic properties and distribution within the plant. *Arch. Biochem. Biophys.* 117(2):347-356. Ref. Nov. 1966. 381 Ar2
- 40273 MARGNA, U. Nature of anthocyanin pigmentation as a character of the new form of brussels sprouts, obtained by grafting. (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4:451-461. Ref. 1965. 442.9 Ak18
English summary.
- 40274 MIRCHINK, T. G., and ALEKSANDROVSKAYA, I. P. Influence of soil fungi toxins on sugar content in peas. (Rus) *Nauch. Dok. Vyshei Shkoly. Biol. Nauk.* 1:147-150. 1965. 442.8 N22
Chiefly antibiotics.
- 40275 MOURGUE, M., and others. Water soluble proteins of the Cucurbita maxima Dutch seeds. (Fr) *Paris. Soc. Biol. Compt. Rend.* 160(6):1166-1169. 1966. 442.9 P21
R. Baret, J. Renal, and J. Barbe, joint authors.
- 40276 EL-MURABAA, A. I. Yield and germination of onion seeds in relation to harvesting dates of seedstalks. *Alexandria J. Agr. Res.* 13(2):189-197. Ref. July 1965. 24 AL2
- 40277 NECAS, J. Possibilities of the application of the analytical characteristics of the growth in the analysis of the structure of the complex notion "yields of potato varieties." (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(7):759-778. Ref. July 1966. 64.9 C33
English summary.
- 40278 NISHIDA, K., TAMAI, N., and RYOYAMA, K. Light-induced high-amplitude swelling and shrinking in isolated spinach chloroplasts. *Plant Cell Physiol.* 7(3):415-428. Ref. Sept. 1966. 450 P699
- 40279 NOBEL, P. S. Light-induced size changes, charge, and ion translocation of spinach chloroplasts in vitro. *Diss. Abstr.*, Sect. B, 27(1):30B. July 1966. Z5055.U49D53
- 40280 PACKER, L., and BARNARD, A. C. Preservation of photophosphorylation in glycerinated chloroplasts. *Biochim. Biophys. Acta* 126(3):443-448. Ref. Nov. 8, 1966. 381 B522
Spinach.
- 40281 PAULUS, K. Content and distribution of radiomolecules in the potato plant. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 131(2):80-89. Ref. 1966. 384 Z39
- 40282 PILET, P. E., and HOFER, R. M. Effect of kinetin on the growth and the content of chlorophyll in roots. (Fr) *Physiol. Plant.* 19(4):1026-1037. Ref. 1966. 450 P564
English summary.
Lentils.
- 40283 ROUSSAUX, J. Compared activity of two cyto-klinins determining in vitro the fasciation of peas. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 263(22):1721-1723. Nov. 28, 1966. 505 P21
- 40284 ROWEBERRY, R. G., and JOHNSTON, G. R. A note on the effect of vinkilling on specific gravity of Kennebec and Sebago tubers. *Amer. Potato J.* 43(10):381-383. Oct. 1966. 75.8 P842
With sodium arsenite.
- 40285 SCHEIBE, J. E. Studies on photoblastic germination in lettuce seed. *Diss. Abstr.*, Sect. B, 27(1):47B. July 1966. Z5055.U49D53
- 40286 SCHISLER, L. C., and SINDEN, J. W. Nutrient supplementation of mushroom compost at casing. *Vegetable oils. Can. J. Bot.* 44(8):1063-1069. Aug. 1966. 470 C16C
Increased yield due to effect of vegetable oils on lipid metabolism and fruiting.
- 40287 SCHRADER, L. E., BEEVERS, L., and HAGEMAN, R. H. Differential effects of chloramphenicol on the induction of nitrate and nitrite reductase in green leaf tissue. *Biochem. Biophys. Res. Commun.* 26(1):14-17. Ref. Jan. 10, 1967. 442.8 B5236
Corn.
- 40288 SEGETA, V., and TRONICKOVA, E. Ecology and physiology of the resistance to the cold of germinating cucumbers. II-III. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(11):1113-1142. Ref. Nov. 1966. 64.9 C33
English summary.
II. Physiological reaction of seeds and seedlings of cucumbers to low temperatures; III. Variations in the resistance to the cold of seeds of cucumbers of different varieties, age and provenance under laboratory and field conditions.
- 40289 SIEGEL, S. M., and DALY, O. Regulation of betacyanin efflux from beet root by poly-L-lysine, Ca-ion and other substances. *Plant Physiol.* 41(9):1429-1434. Ref. Nov. 1966. 450 P692
- 40290 TANNER, W., and KANDLER, O. Biosynthesis of stachyose in *Phaseolus vulgaris*. *Plant Physiol.* 41(9):1540-1542. Ref. Nov. 1966. 450 P692
- 40291 VAKHMISTROV, D. B. Distributing role of the root system in plants. (Rus) *Agrokimiya* 2:49-55. Ref. Feb. 1966. 385 Ag89
Distribution of phosphorus in tomato plants.
- 40292 VON ABRAMS, G. J., and PRATT, H. K. Interaction of naphthaleneacetic acid and kinetin in the senescence of detached leaves. *Plant Physiol.* 41(9):1525-1530. Ref. Nov. 1966. 450 P692
Broccoli and *Xanthium orientale*.

- 40293 WALLACE, D. H., and MUNGER, H. M. Studies of the physiological basis for yield differences. II. Variations in dry matter distribution among aerial organs for several dry bean varieties. *Crop Sci.* 6(6):503-507. Ref. Nov./Dec. 1966. 64.8 C883
- 40294 WALTON, D. C. Germination of Phaseolus vulgaris. II. Stimulation of axis growth by DL-phenylphenylalanines. *Plant Physiol.* 41(9): 1549-1550. Ref. Nov. 1966. 450 P692
- 40295 WEINHEIMER, W. H., WOODBURY, G. W. Effects of grafting and Solanum understocks on flower formation and abscission of flowers and fruits in the Russet Burbank potato. *Amer. Potato J.* 43(12):453-457. Ref. Dec. 1966. 75.8 P842
- 40296 YAMAGUCHI, T., and NAKAJIMA, T. On the variation of organ formation in cultured tissues derived from carrot roots. *Jap. J. Breeding* 16(2):121-126. Ref. June 1966. 64.8 J27
- Physiology and Biochemistry of Miscellaneous Economic Plants (Coffee, Tea, Cacao, etc.)
- 40297 AWASTHI, Y. C., and MITRA, C. R. Madhuca latifolia: Constituents of fruit pulp and nut-shell. *Phytochemistry* 6(1):121-125. Ref. Jan. 1967. 450 P5622
- 40298 BEREZNEGOVSKAYA, L. N., and KUSKOVA, Z. R. Dynamics of amino acids and alkaloids in belladonna during its development. (Rus) *Nauch. Dok. Vysshei Shkoly. Biol. Nauk.* 2:165-169. Ref. 1965. 442.8 N22
- 40299 CASPI, E., and others. Biosynthesis of plant sterols; conversion of cholesterol to pregnenolone in Digitalis purpurea. *Experientia* 22(8): 506-507. Ref. Aug. 15, 1966. 475 Ex7
D. O. Lewis, D. M. Piatka, K. V. Thimann, and A. Winter, joint authors.
- 40300 CLAPP, R. C., and others. Cyanogenesis in manioc: linamarin and isolinamarin. *Phytochemistry* 5(6):1323-1326. Ref. Nov. 1966. 450 P5622
F. H. Bissett, R. A. Coburn, and L. Long, joint authors.
- 40301 DASGUPTA, B., and SHARMA, MRS. S. Chemical investigations of Alangium lamarkii. III. Isolation of steroids and terpenoids from the leaves. *Experientia* 22(10):647-648. Oct. 15, 1966. 475 Ex7
- 40302 FURUKAWA, H. Studies on the alkaloids of Nelumbo nucifera Gaertn. NMR spectra of liensinine type alkaloids. (Ja) *Pharm. Soc. Jap.* J. 86(10):883-886. Oct. 1966. 396.9 P49
English summary.
- 40303 HALBERT, E., and WEEDEN, D. G. Lipase activity in black pepper. *Nature* 212(5070): 1603-1604. Dec. 31, 1966. 472 N21
Piper nigrum.
- 40304 EL-HAMIDI, A., SALEH, M., and AHMED, S. S. Investigation of Hibiscus sabdariffa L. *J. Chem. United Arab Repub.* 9(1):127. 1966. 385 Eg93
Biochemistry.
- 40305 INOUE, H., and others. Studies on the monoterpene glucosides. IV. Monoterpene glucosides of Daphniphyllum macropodum Miq. (Ja) *Pharm. Soc. Jap.* J. 86(10):943-947. Oct. 1966. 396.9 P49
S. Ueda, M. Hirabayashi, and N. Shimokawa, joint authors.
English summary.
Isolation of daphniphyloside and asperuloside.
- 40306 IWASA, J., and NARUTO, S. Alkaloids from Aconitum carmichaeli Dext. (Ja) *Pharm. Soc. Jap.* J. 86(7):585-590. Ref. July 1966. 396.9 P49
English summary.
- 40307 JINDRA, A., and others. Biochemical aspects of the biosynthesis of opium alkaloids. *Phytochemistry* 5(6):1303-1315. Ref. Nov. 1966. 450 P5622
P. Kovacs, Z. Pittnerova, and M. Psenak, joint authors.
Papaver somniferum.
- 40308 KASPRZYK, Z., and WOJCIECHOWSKI, Z. The structure of triterpenic glycosides from the flowers of Calendula officinalis L. *Phytochemistry* 6(1):69-75. Jan. 1967. 450 P5622
- 40309 KAWASAKI, T., and others. Saponins of Smilax china rhizoma. (Ja) *Pharm. Soc. Jap.* J. 86(8):673-677. Ref. Aug. 1966. 396.9 P49
I. Nishioka, T. Tsukamoto, and K. Mihashi, joint authors.
English summary.
Includes saponogenins.
- 40310 KNAPP, J. E., and others. Isolation of two benzylisouquinoline alkaloids from the rhizomes and roots of Xanthorhiza simplicissima. *J. Pharm. Sci.* 56(1):139-141. Ref. Jan. 1967. 396.8 J825
F. T. Hussein, J. L. Beal, R. W. Doskotch, and T. Tomimatsu, joint authors.
- 40311 MCCULLOCH, J. S. G., and others. Shade tree effects in tea gardens. *World Crops* 18(3):26-27. Sept. 1966. 281.8 W892
H. C. Pereira, O. Kerfoot, and N. A. Goodchild, joint authors.
- 40312 MEDORA, R. S., TSAO, D. P. N., and ALBERT, L. S. Tissue culture of Digitalis mertonensis. *L. J. Pharm. Sci.* 56(1):67-72. Ref. Jan. 1967. 396.8 J825
- 40313 MOLLOV, N. M., and DUCHEVSKA, H. B. Investigations on the alkaloids of various species of Thalictrum mimis L. (Ge) *Herba Hung.* 5(2/3):67-70. Ref. 1966. 71.8 H413
- 40314 MOLNAR, GY. Alkaloid production of saprophyte ergot [Claviceps purpurea] strains in relation to other metabolic processes. (Ge) *Herba Hung.* 5(2/3):57-60. Ref. 1966. 71.8 H413
- 40315 MOLNAR, GY., and TYIHAK, E. Investigation of quaterneramine content of the saprophytic cultures of ergot [Claviceps purpurea] [FR] Tul.). (Ge) *Herba Hung.* 5(2/3):268-274. 1966. 71.8 H413
- 40316 MORITA, N., and SHIMIZU, M. Studies on the medical resources. XXV. The components in the root bark of Zanthoxylum allanoides (Engl.). (Ja) *Pharm. Soc. Jap.* J. 86(8):732-734. Aug. 1966. 396.9 P49
English summary.
- 40317 MOTIDOME, M., and FERREIRA, P. C. Alkaloids of Senecio brasiliensis Less. (Por) *Sao Paulo. Univ. Fac. Farm. Biochim. Rev.* 4(1): 13-44, map. Ref. Jan./June 1966. 396.9 Sa623
English summary.
- 40318 NAKAMURA, T., and OGURA, Y. The state of copper in Rhus laccase as compared with those in other copper complexes. *J. Biochem.* 59(5): 449-455. Ref. May 1966. 385 J822
Rhus vernicifera.
- 40319 PALMER, M. J., and BACON, J. S. D. The effect of illumination on the malic acid content and anion/cation balance of mustard leaves (Sinapis alba). *Biochem. J.* 102(1):304-312. Ref. Jan. 1967. 382 B52
- 40320 RONSHCH, H., and SCHREIBER, K. Solanum alkaloids. LXXII. A gamma 1- and delta-solanine two new glycosides of tomatid-5-en-3 beta-ol from Solanum dulcamara L. (Ge) *Phytochemistry* 5(6):1227-1233. Ref. Nov. 1966. 450 P5622
English summary.
- 40321 SANDERSON, G. W., and PERERA, B. P. M. Carbohydrates in tea plants. 2. The carbohydrates in tea roots. *Ceylon. Tea Res. Inst. Tea Quart.* 37(2):86-92. Ref. June 1966. 68.18 C33
- 40322 SILVA, J. B. DA. Comparative chromatographic analysis of 100 samples of Brazilian Cannabis sativa L. (Por) *Sao Paulo. Univ. Fac. Farm. Biochim. Rev.* 4(1):55-69. Jan./June 1966. 396.9 Sa623
English summary.
- 40323 STEINMETZ, E. F. Parnassiae palustris herba. *Acta Phytotherap.* 13(4):61-62. Apr. 1966. 450 Ac88
As drug plant.

- 40324 SUGIYAMA, N., and SIMURA, T. Studies on the varietal differentiation of frost resistance in the tea plant. II. Artificial hardening and de-hardening experiment with frost resistance. Jap. J. Breeding 16(3):165-173. Ref. Sept. 1966. 64.8 J27
- 40325 TAKEMOTO, T., KONDO, Y., and ISHIGURO, T. Constituents of *Euphorbia adenochlora*. 1. (Ja) Pharm. Soc. Jap. J. 86(6):528-530. June 1966. 396.9 P49
English summary.
- 40326 TAKEMOTO, T., and ISHIGURO, T. Constituents of *Euphorbia watanabei*. 1. (Ja) Pharm. Soc. Jap. J. 86(6):530-533. June 1966. 396.9 P49
English summary.
- 40327 TANABE, Y., ODA, T., and TAKAHASHI, K. Studies on constituents of medical plants. VII. The constituents of the bark and fruit of *Clethra barbinervis* Sieb. et Zucc. (Ja) Pharm. Soc. Jap. J. 86(5):441-443. May 1966. 396.9 P49
English summary.
- 40328 TANNER, N. S. An environmental study of *Veratrum californicum* E. Durand. Diss. Abstr., Sect. B, 27(5):1562B-1563B. Nov. 1966. Z5055.U49D53
Effects on alkaloid content.
- 40329 TOMITA, M., LU, S. T., and CHEN, Y. Y. Alkaloids of *Hernandia ovigera* L. (Ja) Pharm. Soc. Jap. J. 86(9):763-765. Sept. 1966. 396.9 P49
English summary.
In Taiwan.
- 40330 TOMITA, M., SHINGU, T., and FURUKAWA, H. Studies on the alkaloids of menispermaceae plants. CCXXI. Nuclear magnetic resonance spectra of benzylisoquinoline derivatives. 2. (Ja) Pharm. Soc. Jap. J. 86(5):373-375. May 1966. 396.9 P49
English summary.
- 40331 TOMITA, M., KOZUKA, M., and UYEO, S. Studies on the alkaloids of menispermaceae plants. CCXXIII. Alkaloids of *Stephania rotunda* Loureiro, Suppl. 1. (Ja) Pharm. Soc. Jap. J. 86(6):460-466. Ref. June 1966. 396.9 P49
English summary.
- 40332 ULUBELEN, A., and COLE, J. R. Proteinaceous antitumor substances from plants. II. *Mirabilis multiflora*. J. Pharm. Sci. 55(12):1368-1370. Ref. Dec. 1966. 396.8 J825
- 40333 VALLADE, J. Organization and functioning of radicular apex of *Elaeis guineensis* Jacq. during germination. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(25):1961-1964. Ref. Dec. 19, 1966. 505 P21
- 40334 WICKREMASINGHE, R. L., and PERERA, V. H. The blackness of tea and the colour of tip. Ceylon. Tea Res. Inst. Tea Quart. 37(2):75-79. June 1966. 68.18 C33
Chlorophyll content.
- Physiology and Biochemistry of Forest Trees**
- 40335 EN'KOVA, E. I., and EFIMOV, YU. P. Effect of treatment of acorns of early and late oak varieties with various temperatures on state of seedlings. (Rus) Les. Zh. 5:16-23. 1965. 99.8 I28
Physiology.
- 40336 FRITTS, H. C. Growth-rings of trees, their correlation with climate. Science 154(3752): 973-979. Ref. Nov. 25, 1966. 470 Sci2
- 40337 HEINS DORF, D. On the nutritional state of pine plantations on sandy soils in years with different precipitation (1961-1963). (Hu) Arch. Forstwesen 15(7):745-773. Ref. 1966. 99.8 Ar22
English summary.
Minerals.
- 40338 JIMENEZ DE ASUA, L., CARMINATTI, H., and PASSERON, S. Guanosine diphosphate D-mannose pyrophosphorylase from *Gleditsia macracantha*. Biochim. Biophys. Acta 128(3):582-585. Ref. Dec. 14, 1966. 381 B522
- 40339 KOZLOWSKI, T. T., and KELLER, T. Food relations of woody plants. Bot. Rev. 32(4):293-382. Oct./Dec. 1966. 450 B6527
Review of the literature.
- 40340 MARQUIS, D. A. Germination & growth of paper birch [*Betula papyrifera*] & yellow birch [*Betula alleghaniensis*] in simulated strip cuttings. U. S. Forest Serv. Res. Pap. NE-54, 19 p. 1966. A99.9 F7622U
- 40341 NENYUKHIN, V. N. Some physiological features of pine grafts during the period of coalescence. (Rus) Les. Zh. 5:7-12. 1965. 99.8 I28
- 40342 OKSBJERG, E. Water balance of coniferous trees with some measurements of transpiration of Norway spruce, Douglas fir and Sitka spruce. (Da) Hedeselsk. Tidsskr. 87(15):399-406. Dec. 10, 1966. 11 H35
- 40343 ROBERTS, R. M., and LOEWUS, F. Inositol metabolism in plants. III. Conversion of myo-inositol-3-H to cell wall polysaccharides in sycamore (*Acer pseudoplatanus* L.) cell culture. Plant Physiol. 41(9):1489-1498. Ref. Nov. 1966. 450 P692
- 40344 RODRIGUEZ-BARRUECO, C. Fixation of nitrogen in root nodules of *Alnus jorullensis* H. B. & K. Phytol. [Vicente Lopez] 23(2):103-110. Ref. Nov. 1966. 450 P567
- 40345 SQUILLACE, A. E. Racial variation in slash pine [*Pinus elliotii*] as affected by climatic factors. U. S. Forest Serv. Res. Paper SE-21, 10 p., map. Ref. Aug. 1966. A99.9 F7623U
- 40346 STODDART, R. W., BARRETT, A. J., and NORTHCOTE, D. H. Pectic polysaccharides of growing plant tissues. Biochem. J. 102(1):194-204. Ref. Jan. 1967. 382 B52
Acer pseudoplatanus.
- 40347 STRANSKY, J. J., and WILSON, D. R. Pine seedling survival under simulated drought. U. S. Forest Serv. Res. Note SO-30, 2 p. 1966. A99.9 F7628U
Pinus taeda, P. echinata, and P. elliotii.
- 40348 SZCZERBAKOW, K. Study of biological processes during turpentine. (Pol) Las Polski 40(23):13-15. Dec. 1, 1966. 99.8 I33
Pine.
- 40349 SZYMKIEWICZ, B., KUCABA, S., and TUMILO-WICZ, J. The effect of changes in water conditions on the growth of pine trees and stands in the forests of Lipa and Modliborzec. (Pol) Folia Forest. Pol. Ser. A, Lesnictwo 11:95-120. 1965. 99.8 F71
German summary.
- 40350 TURNER, H. Die globale Hangbestrahlung als Standortsfaktor bei Aufforstungen in der subalpinen Stufe [Global irradiation on slopes as a site factor for afforestation in the sub-alpine zone]. Schweiz. Anst. Forstl. Versuchswesen 42(3):111-168, map. Ref. 1966. 99.9 Sch92
- 40351 WEISER, C. J., and VAN HUYSSTEE, R. The relation of cold resistance to the status of phorus and certain metabolites in red-osier dogwood (*Cornus stolonifera* Michx.) Plant Cell Physiol. 7(3):475-484. Ref. Sept. 1966. 450 P699
- 40352 WELLBURN, A. R., and others. The characterization and properties of castaprenol-11, -12 and -13 from the leaves of *Aesculus hippocastanum* (horse chestnut). Biochem. J. 102(1): 313-324. Ref. Jan. 1967. 382 B52
J. Stevenson, F. W. Hemming, and R. A. Morton, joint authors.
- 40353 WICKKOWSKI, S., and GOODWIN, T. W. Assimilatory pigments in cotyledons of four species of pine seedlings grown in darkness and in light. Phytochemistry 5(6):1345-1348. Ref. Nov. 1966. 450 P5622
- 40354 WOODWELL, G. M., and DYKEMAN, W. R. Respiration of a forest measured by carbon dioxide accumulation during temperature inversions. Science 154(3752):1031-1034. Nov. 25, 1966. 470 Sci2
In oak-pine forest.
- 40355 ZUCCARDI, R. B., and FADDA, G. S. Influence of soil physical factors on the development of some forest species. (Sp) Rev. Agron. No. roeste Argent. 4(2):155-163. 1965. 9 R3222
English summary.
Pinus radiata, Eucalyptus rostrata and Acacia dealbata.

AGRONOMY (FIELD CROPS)

- 40356 CHAZAL, P. Modern rotation of crops in dry areas. (Fr) *Agriculture* [Paris] 29(294):347-348. Nov.1966. 14 Ag823
In France.
- 40357 DENMARK, STATENS PLANTEAVLSKONTOR. Beretning fra Statens Planteavlssudvalg [Report of the Government Committee on Crop Culture], 1965-66. Kobenhavn, 1966. 60 p. 11 D412A
- 40359 GIDLEY, V. N. Planning rotations. *Agr. Gaz.* New S. Wales 77(10):593-598. Oct.1966. 23 N472
- 40359 MASON, H. C. Crop husbandry. London, English Universities Press, 1965. 192 p., map. (General Technical Series) SB187.G7M3
Field crops.
- 40360 MATSUOKA, M., and KIRA, T. Cultivated plants in some ethnic communities of north-western Thailand. *Natur. Life Southeast Asia* 4:81-109, map. Mar. 1965. 410 N2195
Chapters by M. Matsuoka, T. Akihama, T. Machida, T. Nagata, K. Matsuo, S. Mizuno, T. Hirose, T. Nakayama, and H. Hayase.
Chiefly field crops.
- 40361 PANSE, V. G., RAJAGOPALAN, M., and PIL-LAI, S. S. Estimation of crop yields for small areas. *Biometrics* 22(2):374-384. June 1966. 442.8 B5224
India.
- 40362 PROKOFEV, E. Ancient agronomists. (Es) *Eesti Loodus* 5:266. Sept./Oct.1966. 409.6 Ee7
- 40363 STAIKOV, G. Scientific achievements of Agromonic Faculty [Agronomicheskiyat Fakultet] for the period 1945-1965. (Bu) *Vishsh Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14 (1):11-19. 1965. 106.3 P72
German summary.
At the Higher Agricultural Institut "Vasil Kolarov" [Vishsh Selskostopanski Institut "Vasil Kolarov" in Plovdiv].
- 40364 STEEN, E. How to measure crop rotation value of pastures? (Sw) *Lantmannen* 77(2):12-13. Jan.22,1966. 11 L234
- 40365 TOHATA, S., ed. *Taikai nogyo hyakka jiten*. 2. Sakumotsu-engei [Systematic agricultural encyclopedia. Vol. 2. Field crops and horticulture]. Tokyo, Nousei Chosa lin-kai, 1966. 375 p. S411.N6
- 40366 ZELENKA, YA. There is need for more independence. (Rus) *Zemledelie* 11:74-75. Nov. 1966. 20 Z44
In agronomic profession.

Cereals

- 40367 ABERG, E. Agriculture in the sixties: Grain culture requires higher standards. (Sw) *Jord Skog* 17(10):11-13. 1965. 58.8 M373
- 40369 ABIFARIN, A. O. Research programme on Pennisetum millets at Kano, Northern Nigeria. *Sols Afr.* 11(1/2):139-142. Jan./Aug.1966. 56.8 So4
Text also in French, p.143-146.
Yield and variety trials.
Includes discussion.
- 40369 ALVELD, S. Production of good bread grain; what can the grower do? (Sw) *Jord-Gårda-Djur* 23:122-134. 1966. 11 J763
Wheat and barley.
- 40370 BESPALOW, I. K. Registration of Besbar barley. *Crop Sci.* 6(6):611. Nov./Dec.1966. 64.8 C883
- 40371 BETTI, A. With marked hectare hundred quintal of maize. (It) *Esso Agr.* 15(6):4-5. Dec. 1966. 58.8 Es7
- 40372 BOTTAZZI, A. The difficult sowing of wheat. (It) *Avvenire Agr.* 74(12):284-285. Dec.1966. 16 Av9
- 40373 CHEVALIER, R. Creation of a winter variety of oats. (Fr) *France. Min. Agr. Bull. Tech. Inform.* 210:451-454. June 1966. 14 F844B
- 40374 CONNOLD, W. Q. Cereal growing in the South-West. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(9):437-443, map. Sept.1966. 10 G79J
- 40375 DIKSHIT, N. N., and SAHAI, B. Performance of Taichung Native. 1. In Uttar Pradesh. *Fert. News* 11(12):36-37. Dec.1966. 57.8 F4123
Rice yields.
- 40376 FASIH, S. D., and HUSSAIN, M. Mixed cropping of wheat with sugarcane. *West Pakistan J. Agr. Res.* 3(4):10-15. Dec.1965. 22 W52
- 40377 FEIJTER, F. DE. Use of certified seed grain for grain culture in Netherlands. (Du) *Ned. Alg. Keuringsdienst Landbouwszaden Aardappel-pootgoed.* Meded. 23(4):24-25. Aug.1966. 61.9 N28
- 40378 FIDDIAN, W. E. H. Autumn cereal varieties. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(9):405. Sept.1966. 10 G79J
Wheat, oats, and barley.
- 40379 FORVEA, A. Dry planting of rice is possible. (It) *Esso Agr* 15(5):10-11. Oct.1966. 58.8 Es7
- 40380 FREDERIKSEN, P. S. Grain handling problems. (Da) *Tolvmændsblad* 38(4):184-191. Apr.1966. 11 T58
Harvesting and storage.
- 40381 FROLIK, J. Harvesting without losses. (Cz) *Statni Statky* 9(6):92. 1966. 19.5 St2
Grain.
- 40382 GARCIA S., A., GUAJARDO V., R., and PACHECO M., F. Recomendaciones para el cultivo del trigo en el Noroeste de Mexico ciclo 1966-1967 [Recommendations for wheat culture in the Northeast of Mexico, 1966-1967 cycle]. *Cent. Invest. Agr. Noroeste. Circ.* CIANO 25,8 p.-folder. Oct.1966. 8 C334
- 40383 EL-HAK, M. G. Breeding a new variety of rice adapted to recently reclaimed saline soils. *Agr. Res. Rev.* 44(1):1-13. Ref. Jan. 1966. 24 Eg94
United Arab Republic.
- 40384 EL-HAK, M. G., KHALIFA, A., and MASOUD, M. A. Economic expansion of rice areas outside the permitted regions. *Agr. Res. Rev.* 43(3):1-12. July 1965. 24 Eg94
Yields and varieties in United Arab Republic.
- 40385 HULL, R. D. Rice cultivation systems in Malaya. *World Crops* 18(3):72-74. Sept.1966. 261.8 W892
- 40386 HODGES, D. S. Barley grows at the expense of oat crop acres. *Farmers' J.* (n.s.) 5(7):23-24. Feb.1966. 10 F2234
Northern Ireland.
- 40387 IBRAHIM, M. A. E. Grain sorghum hybrids production in the U.A.R. *Agr. Res. Rev.* 44 (1):15-24. Jan.1966. 24 Eg94
- 40389 KAMBAL, A. E., and WEBSTER, O. J. Manifestations of hybrid vigor in grain sorghum and the relations among the components of yield, weight per bushel, and height. *Crop Sci.* 6(6):513-515. Ref. Nov./Dec.1966. 64.8 C883
- 40389 KIVI, E. Selection of spring wheat 1966. (Sw) *Tidskr. Lantman. Andelsfolk* 5:128-129. Mar.15, 1966. 20 T43
Finland.
- 40390 LE CONTE, J. Breeding of white Dahomey maize: Niaouli 7. *Sols Afr.* 11(1/2):255-260. Jan./Aug.1966. 56.8 So4
Text also in French, p.249-254.
Includes discussion.
- 40391 LE CONTE, J. Short history and present trend of work on improved varieties of sorghum in French-speaking West Africa. *Sols Afr.* 11(1/2):57-63. Jan./Aug.1966. 56.8 So4
Text also in French, p.49-55.
- 40392 LEEUWRIK, D. M. Some comments on hybrid wheat. *J. Agr. [Melbourne]* 64(11):484-485. Nov.1966. 23 V66J
- 40393 MOULE, C. A variety of spring oats with plain seeds. (Fr) *Agriculture* [Paris] 29(292):273, 275, 277, 279-280. Sept.1966. 14 Ag823
In France.
- 40394 MPOUMA, L. C. Report from Eastern Cameroon. *Sols Afr.* 11(1/2):395-397. Jan./Aug. 1966. 56.8 So4
Text also in French, p.391-393.
Varieties and culture of sorghum, millet and corn.
Includes discussion.
- 40395 PLESSERS, A. G. Seed production by cross pollination in winter wheat. *Can. J. Plant Sci.* 46(4):449-450. July 1966. 450 C16

- 40396 RACHIE, K. O. Progress in the improvement of maize, sorghums and millets for India. *Sols Afr.* 11(1/2):429-439. Jan./Aug. 1966. 56.8 So4
Text also in French, p.441-452.
Breeding.
Includes discussion.
- 40397 RADNEV, R. Study of some properties of manyrow barley varieties, mostly distributed in Bulgaria, in relation to their use in brewing industry. (Bu) *Vish Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):109-113. 1965. 106.3 P72
German summary.
- 40398 ROONEY, D. R., SIMS, H. J., and TUOHEY, C. L. Cultivation trials in the Wimmera. *J. Agr. [Melbourne]* 64(9):403-410. Sept. 1966. 23 V66J
Wheat.
- 40399 RUSMINI, B. Contribution of the Plant Station of S. Angelo Lodigiano to the genetic improvement of wheat in the past ten years. (It) *Bull. Agr. [Milano]* 100(3):1-3. Feb. 15, 1966. 16 B87
- 40400 SINGLETON, O. V., WEIR, N. G., and ZUBER, M. S. 1965 sorghum performance trials in Missouri. *Mo. Agr. Exp. Sta. Spec. Rep.* 63, 23 p., map. Feb. 1966. 100 M693Sp
Grain sorghum.
- 40401 TETTEH, A. Conference paper on joint project No. 26: sorghum, millet and maize. *Sols Afr.* 11(1/2):383-386. Jan./Aug. 1966. 56.8 So4
Text also in French, p.387-390.
Breeding in Ghana.
Includes discussion.
- 40402 TEUTEBERG, W. Cultural recommendations for spring planting. (Ge) *Betriebswirtsch. Mitt. Wirtschaftsberater* 132:11-14. Sept. 15, 1965. 281.8 B462
Grain planting and fertilizing.
- 40403 TULSIANI, R. M. Hybrid maize cultivation in India. *Rural India* 29(2/3):70-73. Feb./Mar. 1966. 281.28 R889
- 40404 ULMANN, L. The culture of oats mixed with the culture of spring grain. (Cz) *Czech. Min. Zemedel. Les. Hospod. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(11):1189-1202. Ref. Nov. 1966. 64.9 C33
English summary.
Effect on yields.
- 40405 WAGNER, S. Champlein, a new winter wheat variety. (Ge) *Mitt. Schweiz. Landwirt.* 15(1):1-5. Jan. 1967. 17 M69
- 40406 WEIR, N. G., SINGLETON, O. V., and ZUBER, M. S. 1965 Missouri hybrid corn yield trials. *Mo. Agr. Exp. Sta. Spec. Rep.* 62, 56 p., map. Feb. 1966. 100 M693Sp
- 40407 WICKSTROM, G. Technical aspect of grain culture. (Sw) *Tidskr. Lantman. Andelsfolk* 5:122-126. Mar. 15, 1966. 20 T43
Chiefly culture and harvesting in Finland.
- 40408 WILLS, V. C. New rice varieties show promise in Prairie County. *Rice J.* 70(1):16-17. Jan. 1967. 59.8 R36
Arkansas.
- 40409 WRIGHT, G. M. New milling oat variety, *Ma-pua*, shows promise for farmers. *New Zeal. J. Agr.* 113(1):38-39, 41, 43. July 1966. 23 N48J
- 40410 ZEITLER, W. Wheat quality in northern and southern Bavaria, illustrated by six years' results of district varietal research in lower Franconia and lower Bavaria. (Ge) *Bayer. Landwirt. Jahrbuch* 42(8):992-1000. 1965. 18 L24
- 40411 ZUBER, M. S., and others. Missouri 1964 cooperative corn investigations. *Mo. Agr. Exp. Sta. Spec. Rep.* 58, 25 p. May 1965. 100 M693Sp
O. V. Singleton, P. J. Loesch, and V. L. Ferguson, joint authors.
Hybrids and yields.
- 40412 BIGOURDAN, J. Hemp. *Cannabis sativa*. (Fr) *Bull. Engrais* 489:95-99. Apr. 1966. 57.8 B87
Culture.
- 40413 DUCHESNE, J. Cotton in Cameroon. (Fr) *Potasse* 40(333):71-73. Mar. 1966. 57.8 P84
Culture and industry.
- 40414 FOMENKO, L. D., and KARPYAK, M. M. Crops to precede flax. (Rus) *Len Konoplya* 12:22-23. 1966. 73.8 L542
- 40415 HARVEY, L. H. Defoliate cotton for higher quality. *Clemson Univ. Ext. Cotton Leaflet*. 3, 6 p., folder. July 1966. 275.29 So86C
- 40416 INSTITUT DE RECHERCHES DU COTON ET DES TEXTILES EXOTIQUES. IRCOT, organisme de cooperation technique but, organisation, stations de recherches, missions de cooperation technique [Cotton and Exotic Fibres Research Institute, an organism for technical cooperation: goals, organization, research stations, technical cooperation missions]. Paris, 1965. 39 p. SB245.I53
Text in French and English.
- 40417 KHAN, A. H. Fifty years research and improvement of cotton crop in Lyallpur region. *Agr. Pakistan* 16(1):45-55. Mar. 1965. 22 Ag832
Includes culture.
- 40418 KHAN, A. H., and SULTAN, W. Further studies in breeding of short statured varieties of cotton (*Gossypium hirsutum* L.) "back crosses and advanced generation." III. Yield of seed cotton with relation to height of the plant. *West Pakistan J. Agr. Res.* 3(4):118-128. Ref. Dec. 1965. 22 W52
- 40419 NAGUIB, A. M. Ramie: time of cutting and development of growth during the life-time of the plant. *Agr. Res. Rev.* 43(3):77-79. July 1965. 24 Eg94
Yield in United Arab Republic.
- 40420 SHUKLA, G. K. Relative efficiency of lattice and randomized block designs in jute crop. *Indian J. Agr. Sci.* 36(2):95-99. Apr. 1966. 22 Ag631
Varietal testing.
- 40421 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. COTTON AND CORDAGE FIBERS RESEARCH BR. Results of 1965 regional cotton variety tests. U. S. Agr. Res. Serv. *ARS-34-82, 75 p.*, map. Dec. 1966. A64.9 R31A
Agricultural Experiment Stations of Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, Missouri, Nevada, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas, cooperating.
Analyzed and prepared for publication by C. F. Lewis and T. Kerr.

Forage Crops and Grasses

- 40422 AMOR, R. L., and MANN, A. P. Establishing medicos on Mallee wheat farms. *J. Agr. [Melbourne]* 64(10):446-448, 457. Oct. 1966. 23 V66J
Chiefly barrel medic.
- 40423 ANDERSON, E. W. Efficiency in rangeland production. *J. Range Manage.* 19(6):379-380. Nov. 1966. 60.18 J82
Oregon.
- 40424 ARNOLD, L. E. Registration of 522 alfalfa. *Crop Sci.* 6(6):610. Nov./Dec. 1966. 64.8 C883
- 40425 BARNARD, E. The harvesting, threshing and cleaning of grass seed. *Farming S. Afr.* 42(8):6-7. Nov. 1966. 24 So842
- 40426 BLAKE, C. T., CHAMBLEE, D. S., and WOODHOUSE, W. W. Influence of some environmental and management factors on the persistence of ladino clover in association with orchardgrass. *Agron. J.* 58(5):487-489. Sept./Oct. 1966. 4 Am34P
- 40427 BOEKER, P. Production comparison between meadows and pastures, illustrated by an investigation of the ground water situation. (Ge) *Bayer. Landwirt. Jahrbuch* 43(2):223-230. 1966. 18 L24
Yields.
- 40428 CABRAL, J. F. The "Maral" cultivar of Persian clover (*Trifolium resupinatum* L.) obtained in Portugal. *Int. Seed Testing Ass. Proc.* 31(2):261-267. 1966. 61.9 In84P

Fiber Crops

- 40429 CAMPBELL, J. B. Replacement of intermediate wheatgrass *Agropyron intermedium* (Host) Beauv., with other grasses. Forage Notes [Ottawa] 11(1):19-20. Spring 1965. 60.8 F742
- 40430 CHILDERS, W. R. Redpatch bromegrass. Can. J. Plant Sci. 46(4):456-457. July 1966. 450 C16
A variety of *Bromus inermis*.
- 40431 CHRISTOPHER, J. Grassland and pasture development in hilly areas. Gosamvardhana 14 (7/8):24-28. Oct./Nov.1966. 43.8 G69
- 40432 CLARE, R. J. Success with lucerne at Wairakei. New Zeal. J. Agr. 113(5):70-71. (Cont.) Nov.1966. 23 N48J
Pasture management.
- 40433 CLARE, R. J. Wairakei lucerne experiment fruitful in management lessons. New Zeal. J. Agr. 113(6):61,63. (Concl.) Dec.1966. 23 N48J
- 40434 CORKILL, L. N.Z. scientists work to improve many grasses. New Zeal. J. Agr. 113(4):29-31. (Cont.) Oct.1966. 23 N48J
Varieties.
- 40435 CORKILL, L. Pedigree white clover has been leading contributor to pasture improvement. New Zeal. J. Agr. 113(5):20-21. (Concl.) Nov. 1966. 23 N48J
- 40436 CORRIOLS, J. Essai d'adaptation de plantes fourragères en Tunisie [Test on adaptation of forage plants in Tunisia]. Tunisia. Inst. Nat. Rech. Agron. Ann. 38,318 p.,map. Ref.,p.315-318. 1965. 108 T832A
- 40437 CROWLE, W. L. The influence of nitrogen fertilizer, row spacing and irrigation on seed yield of nine grasses in central Saskatchewan. Can. J. Plant Sci. 46(4):425-431. July 1966. 450 C16
- 40438 CROWLE, W. L. Rates and depths of seeding raseped at Scott. Forage Notes [Ottawa] 11 (1): 42-44. Spring 1965. 60.8 F742
In relation to germination.
- 40439 DANCAU, B. Water economy and management of mowed meadows. (Ge) Bayer. Landwirt. Jahrbuch 43(2):231-235. Ref. 1966. 18 L24
- 40440 DAVIES, W. The proceedings of the 10th International Grassland Congress: a review. Herbage Abs. 36(4):217-224. Dec.1966. 241 Im733
- 40441 DAVIS, W. E. P. What is quality in forage corn? Forage Notes [Ottawa] 11(1):38-39. Spring 1965. 60.8 F742
- 40442 DELPECH, R. Possibilities and methods of improvement of permanent pastures. (Fr) Rev. Elevage 21(spec.no.40):27-28,31-32,35-36, 39-40,43-44. 1966. 40 B462
- 40443 DILLON, C. C., and WALLENMAYER, D. A rancher's success with continuous deferred grazing in Washington State. J. Range Manage. 19(6):380-382. Nov.1966. 60.18 J82
- 40444 FARID, N. I., GAZZAR, H. A. E., and IESA, M. N. The effect of cutting frequencies on leafiness in oats and barley plants. Agr. Res. Rev. 43(3):53-60. Ref. July 1965. 24 Eg94
As forage plant in United Arab Republic.
- 40445 FEJER, S. O. Frost resistance of clones and seedlings of perennial ryegrass. Forage Notes [Ottawa] 11(1):42. Spring 1965. 60.8 F742
- 40446 FEJER, S. O. Genotype-environment interactions in timothy. Forage Notes [Ottawa] 11(1): 41. Spring 1965. 60.8 F742
Chiefly breeding.
- 40447 GARDNER, A. W., and CENTENO, G. A. Removal of the effects of uneven grazing in pasture experiments. Brit. Grassland Soc. J. 21 (4):264-269. Ref. Dec.1966. 60.19 B773
- 40448 GARTNER, J. A. Talking about pasture. Queensland Agr. J. 92(10):591-592. Oct.1966. 23 Q33
- 40449 GILL, G. S., and BATRA, P. C. Choice of your fodder crop. Gosamvardhana 14(7/8):48-52. Oct./Nov.1966. 43.8 G69
For culture in India.
- 40450 GOOLD, G. J. Trials of Ariki in North. New Zeal. J. Agr. 113(4):59,61. Oct.1966. 23 N48J
Ryegrass variety.
- 40451 GOW, P. B. Full production from irrigated pastures in central Otago depends on right grasses and correct management methods. New Zeal. J. Agr. 112(6):34-35,37,39. June 1966. 23 N48J
- 40452 GRANSTROM, B. Defoliation. (Sw) Kem. Vaxtskyddsmedel, 1966:56. 385 K313
Chiefly for clover seed crops.
- 40453 GROSS, H. Sorghum-sudangrass hybrids. Forage Notes [Ottawa] 11(1):37. Spring 1965. 60.8 F742
- 40454 GUYER, H. The culture of forage sorghum. (Ge) Mitt. Schweiz. Landwirt. 15(1):8-12. Jan.1967. 17 M69
- 40455 GUYER, H. Seed production of meadow clover sources in determined locations. (Ge) Mitt. Schweiz. Landwirt. 15(1):5-8. Jan.1967. 17 M69
With reference to breeding.
- 40456 HABIB, M. M. The effect of rate of seeding on the yield of berseem (*Trifolium alexandrinum*, L.). Alexandria J. Agr. Res. 13(2):285-296. Ref. July 1965. 24 A2
- 40457 HAGGAR, R. J. The production of seed from *Andropogon gayanus*. Int. Seed Testing Ass. Proc. 31(2):251-259. 1966. 61.9 In84P
- 40458 HAGSAND, E. Engmo timothy—a novelty in Norrland. (Sw) Lantbrukstidskr. Jämtland Härjedalen 19(1):15-17. 1966. 11 L293
Hardiness and culture.
- 40459 HART, R. H., and BURTON, G. W. Prostrate vs. common dallisgrass under different clipping frequencies and fertility levels. Agron. J. 58(5):521-522. Sept./Oct.1966. 4 Am34P
Yields.
- 40460 HEADY, H. F. Range management in the San Joaquin Valley. Calif. Univ. Water Resources Center Rep. 9:114. July 1966. 292.9 C1282
- 40461 HILLERSTIG, A. Better pastures or none at all. (Sw) Lantbrukstidskr. Jämtland Härjedalen 19(2):7-10. 1966. 11 L293
Management.
- 40462 HODGSON, J. The frequency of defoliation of individual tillers in a set-stocked sward. Brit. Grassland Soc. J. 21(4):258-263. Ref. Dec.1966. 60.19 B773
- 40463 HUNT, O. J., and others. Registration of Washoe alfalfa. Crop Sci. 6(6):610. Nov./Dec. 1966. 64.8 C883
R. N. Peaden, H. L. Carnahan, and F. V. Lieberman, joint authors.
- 40464 IBRAHIM, S., and others. A study of some yield components in *Lupinus termis*. Agr. Res. Rev. 44(1):63-73. Jan.1966. 24 Eg94
M. M. Hakam, A. A. E. Ibrahim, and A. M. Naseib, joint authors.
Varieties in United Arab Republic.
- 40465 ILEV, A., PEKHLIVANOV, M., and KHRISTOZOV, A. Effect of planting density of double corn hybrid, Ohio C-92, on quantity of yields of corn cobs and green cut forage. (Bu) Visshe Shkotskopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):157-162. Ref. 1965. 106.3 P72
German summary.
- 40466 JACQUARD, P., and BERTIN, G. Forage production and agronomy's restrictions; characteristics of some types of plants. (Fr) Rev. Elevage 21(spec.no.40):11-12,15-16,19-20,23-24,map. 1966. 49 B462
Criteria for selecting different species of forage plants in France.
- 40467 JUDD, B. I. Range reseeding success on the Tonto National Forest, Arizona. J. Range Manage. 19(5):296-301,map. Sept.1966. 60.18 J82
Includes list of plant species, chiefly grasses.
- 40468 KLUSMANN, W., and JURGENSEN, H. Continuously productive forage plants. I. Timothy. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 144:29-32. Oct.15,1966. 281.8 B462
Variety tests of *Pleum pratense*.
- 40469 KLUSMANN, W. Planting for permanent pasture and clover-grass production. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 143:27-32. Sept.15,1966. 281.8 B462

- 40470 KOINOV, G., and MASLINKOV, M. Results of tests on planting chickpeas and oats as nurse crops for alfalfa and grass mixtures. (Bu) Vissk Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):211-216. 1965. 106.3 P72 German summary.
- 40471 KOINOV, G. Study of interplanting of oats with peas and chickpeas with forage beets. (Bu) Vissk Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):189-198. 1965. 106.3 P72 German summary. Effects on yields.
- 40472 KOSICKI, J. New organization of pasturing milking cows. Int. Congr. Sci. Work-Organ. Agr. Trans., 13th Congr.:245-251. 1966. \$564.15 Pasture management in Poland.
- 40473 KUKEDI, E. New data on the agrotechnics of Hybar Mv 301. (Hu) Magyar Mezogazdasag 21 (52):8-9. Dec.28,1966. 19 M27 Hybrid sudangrass culture.
- 40474 KUSHWAHA, J. S., and CHAUHAN, G. S. Green fodders that enhance livestock productivity. Gosamvardhana 14(7/8):53-55. Oct./Nov.1966. 43.8 G69 Culture and yields in India.
- 40475 KYNEUR, G. W. Seasonal productivity of some pure grass and mixed grass/Glycine [javanica] swards in a tropical highland environment. Queensland J. Agr. Anim. Sci. 23(1):1-14. Mar.1966. 23 Q37
- 40476 LACHANCE, L. Millet or bromegrass planted with Ladino clover. (Fr) Forage Notes [Ottawa] 11(1):29-31. Spring 1965. 60.8 F742 Chiefly yields.
- 40477 LAMPETER, W. Current problems of grass seed production. (Ge) Feldwirtschaft 7(11):582-584. Ref. Nov.1966. 18 W763 East Germany.
- 40478 LOOMAN, J. The potential for pasture development in the Parklands and sub-boreal forest areas of the Prairie Provinces. Forage Notes [Ottawa] 11(1):8-16, map. Spring 1965. 60.8 F742 Includes varieties of grasses and legumes.
- 40479 LOZANO, M. J. Forages that cause a revolution. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 12(141):328-331. Sept.1966. 9 Sol17 Sorghum-sudangrass hybrids.
- 40480 LUTSKII, YA., and ZHUKOV, A. A pasture management plan for each farm. (Rus) Ekon. Sel'skogo Khoz. 9:29-34. Sept.1966. 281.8 S673
- 40481 LYNCH, P. B. An evaluation of Ariki ryegrass. New Zeal. J. Agr. 113(4):55,57,59. Oct.1966. 23 N48J
- 40482 MAIER, J. A contribution to the problem of breeding colored forage sugar beets. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Roostlinna Vyroba 39(9):935-948. Ref. Sept.1966. 64.9 C33 English summary.
- 40483 MALHI, M. S., and SINGH, M. Some important nutritious fodder crops. Gosamvardhana 14(7/8):5-9. Oct./Nov.1966. 43.8 G69 In India.
- 40484 MASLINKOV, M. Determination of the best planting date for alfalfa under non-irrigated conditions. (Bu) Vissk Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):205-210. 1965. 106.3 P72 German summary.
- 40485 MCCOMBE, S. Reseeding without the plough; new and proven techniques. Farmers' J. (n.s.) 5(4):32. Nov.1,1965. 10 F2234 Pastures in Northern Ireland.
- 40486 MCKELL, C. M., and ADEGBOLA, A. A. Need for a range management approach for Nigerian grasslands. J. Range Manage. 19(6):330-333. Ref. Nov.1966. 60.13 I82
- 40487 MCLEAN, A. Range condition and forage yields in British Columbia. Forage Notes [Ottawa] 11(1):45. Spring 1965. 60.8 F742
- 40488 MISRA, M. N., and SINGH, A. N. Grassland and pasture development in arid zone. Gosamvardhana 14(7/8):29-31. Oct./Nov.1966. 43.8 G69 Of India.
- 40489 MURPHY, R. P., and LOWE, C. C. Registration of Mark II alfalfa. Crop Sci. 6(6):610-611. Nov./Dec.1966. 64.8 C883
- 40490 MURPHY, R. P., and LOWE, C. C. Registration of Saranac alfalfa. Crop Sci. 6(6):611. Nov./Dec.1966. 64.8 C883 Will resistant.
- 40491 NOURRISSAT, P. Forage plant introductions at the Bamby Agricultural Research Center. (Fr) Agron. Trop. [Paris] 21(9):1013-1035. Sept.1966. 26 Ag86 English summary.
- 40492 OGDEN, R. L., and KEHR, W. R. Alfalfa management for dehydration. U. S. Agr. Res. Serv. ARS-74-36:36-44. 1965. A381 R31Ab Nebraska.
- 40493 PATEJDL, C., and SKOPKOVA, M. Pioneer plants for the recultivation of coal strip-mined areas. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:83-96. Ref. 1965. S604.A1V9 English summary. Chiefly clover and grasses.
- 40494 PEARSE, C. K. Expanding horizons in worldwide range management. J. Range Manage. 19(6):336-340. Nov.1966. 60.18 J82 Chiefly in developing areas; includes technical assistance programs.
- 40495 PEKHLIVANOV, M., and KHRISTOZOV, A. Study of underplanting of some perennial grasses on established alfalfa fields. (Bu) Vissk Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):217-222. 1965. 106.3 P72 German summary.
- 40496 PRASAD, R., MATHUR, M. K., and BHAN, S. Green fodder throughout the year. Gosamvardhana 14(7/8):39-46. Oct./Nov.1966. 43.8 G69 In India.
- 40497 RANJHAN, S. K. Pusa giant napier. Gosamvardhana 14(7/8):10-12. Oct./Nov.1966. 43.8 G69 Culture in India.
- 40498 RAYA, A. K. A., EL MOURSI, A. A., and IBRAHIM, S. A. A. The effect of interseeding of Italian ryegrass (Lolium multiflorum Lam) with Egyptian clover (Trifolium alexandrinum L.) on the chemical and botanical analysis of the herbage. Agr. Res. Rev. 43(3):99-111. Ref. July 1965. 24 Eg94 United Arab Republic.
- 40499 ROBERTSON, R. W. Plant introductions tested at Ottawa 1962-64. Forage Notes [Ottawa] 11(1):25-27. Spring 1965. 60.8 F742 Grasses and forage legumes.
- 40500 ROMBALDI, G. P. Spring grasses on hills. (It) Avvenire Agr. 74(2):44-46. Feb.1966. 16 Av9
- 40501 RYAN, F. E. Lucerne management. Dairy Notes 3(3):4-5. July 1966. 44.8 D1439 Includes yields.
- 40502 SAMOILA, Z., STOIANOVICI, V., and POPOVICI, V. Efficiency of surface and radical re-making methods used to improve natural grasslands of Poa pratensis and Alopecurus pratensis. (Rum) Bucharest. Inst. Cercet. Zooteh. Lucrarile Stiint. 22:47-65. 1965. 49.9 R86L English summary.
- 40503 SAXENA, J. S. Some promising legumes for fodder. Gosamvardhana 14(7/8):14-16. Oct./Nov.1966. 43.8 G69 In India.
- 40504 SEIFFERT, M. Correct harvesting technique in the production of red clover seed. (Ge) Feldwirtschaft 7(11):579-582. Nov.1966. 18 W763
- 40505 SHANKER, K. Tetraploid berseem for more production. Gosamvardhana 14(7/8):10-13. Oct./Nov.1966. 43.8 G69 For fodder in India.
- 40506 SIGFRIDS, A. A new type of meadow—can it save ensiling? (Sw) Tidsskr. Lantman Andelsfolk 8:198-201. Apr.30,1966. 20 T43 Finland.
- 40507 SINGH, R. A. Indian pastures and their management. Gosamvardhana 14(7/8):17-19. Oct./Nov.1966. 43.8 G69

- 40508 SMETHAM, M. L. Steep tussock county in central Otago can be improved. *New Zeal. J. Agr.* 113(1):50-51, 53. July 1966. 23 N48J
- 40509 SOMMERKAMP, G. Mowed meadow management as a northern German land use problem. (Ge) *Bayer. Landwirt. Jahrbuch* 43(2):193-202. 1966. 18 L24
- 40510 SQUIRE, A. M. A rapid technique for counting chromosomes in grass-breeding studies. *Brit. Grassland Soc. J.* 21(4):305-306. Dec. 1966. 60.19 B773
- 40511 SZABO, J. Problems in pasture management. (Hu) *Magyar Mezőgazdaság* 22(1):12-13. Jan. 4, 1967. 19 M27
- 40512 TEUTEBERG, and PATZKE. Grassland renewal without breaking up. (Ge) *Betriebswirtsch. Mitt. Wirtschaftsberater* 143:21-26. Sept. 15, 1966. 281.8 B462
- 40513 THATCHER, A. P. Range production improved by renovation and protection. *J. Range Manage.* 19(6):382-383. Nov. 1966. 60.18 J82 Wyoming.
- 40514 VAN DYNE, G. M. Application and integration of multiple linear regression and linear programming in renewable resource analyses. *J. Range Manage.* 19(6):356-362. Ref. Nov. 1966. 60.18 J82 Range productivity research.
- 40515 WARREN, F. S. Influence of rate of seeding oats and barley alone and in mixture on grain yield, subsequent forage yield and composition of forage. *Forage Notes [Ottawa]* 11(1):39-40. Spring 1965. 60.8 F742
- 40516 WRIGHT, C. B. Farming the wallum. *Queensland Agr. J.* 92(11):654-658. Nov. 1966. 23 Q33 Pasture management.
- 40517 ZSCHEISCHLER and GRAEBER. Silomais lohnt—aber sein Anbau will verstanden sein [Siló corn pays—but its culture must be understood]. Germany. *Land-Hauswirtsch. Auswertungs-Informationsdienst (Veröffentlichungen)* 249, 16 p., map. 1965. 18 G312V
- Oil Crops
- 40518 ABOU-SAYED, S. I., RAGAB, A. H., and SER-RY, M. "Giza 24" a new variety of sesame. *Agr. Res. Rev.* 43(3):71-75. July 1965. 24 Eg94 As oil plant in United Arab Republic.
- 40519 ABOU-SAYED, S. I., and MOUSTAFA, M. A. W. Two new varieties of peanuts, Giza 1 and Giza 2. *Agr. Res. Rev.* 43(3):61-69. July 1965. 24 Eg94 United Arab Republic.
- 40520 BALUCH, M. A., and others. Effect of sowing dates on linseed (*Linum usitatissimum*). *West Pakistan J. Agr. Res.* 3(4):134-137. Dec. 1965. 22 W52 A. H. Natali, S. K. Chandio, and M. K. Shaikh, joint authors.
- 40521 CHAUDHARY, M. A. Some correlation studies in castor (*Ricinus communis* L.). *West Pakistan J. Agr. Res.* 3(4):129-138. Dec. 1965. 22 W52 Relationships between yield and morphological characteristics of varieties.
- 40522 FJELLSTEDT, G. Practical experiences with oil crops in Mid Sweden. (Sw) *Lantmannen* 77 (7):12, 14, 16, 18. Apr. 2, 1966. 11 L234 Culture.
- 40523 LAMBERT, J. W., ANDERSON, F., and ANDERSON, H. Registration of A-100 soybeans. *Crop Sci.* 6(6):612. Nov./Dec. 1966. 64.8 C883
- 40524 MARQUETTE, J. Possibilities and interest in the culture of black soybeans at Lake Alaotra. (Fr) *Agron. Trop. [Paris]* 21(9):1049-1053. Sept. 1966. 26 Ag86 English summary.
- 40525 MOODY, R. W., and HASTINGS, A. Growing of soybeans is feasible. *New Zeal. J. Agr.* 113 (5):37, 39. Nov. 1966. 23 N48J
- 40526 ROBINSON, R. G. Sunflower-soybean and grain sorghum-corn rotations versus monoculture. *Agron. J.* 58(5):475-477. Ref. Sept./Oct. 1966. 4 Am34P
- 40527 ROJAS CRUZ, L. A. Oil plants in Colombian agriculture and their processing. (Sp) *Inform. Grasas Aceites. Bol.* 4(4):131-139, map. June 1966. 307.8 In3 Culture and oil program.
- 40528 ROSAS, G. S. Hale 321: promising soybean variety for the Pergamino region. (Sp) *Inform. Grasas Aceites. Bol.* 4(2):61-65. Apr. 1966. 307.8 In3
- 40529 SCHUSTER, W. Research on the late planting tolerance of some winter rape varieties. (Ge) *Bayer. Landwirt. Jahrbuch* 43(4):432-449. Ref. 1966. 18 L24
- 40530 STEFANSSON, B. R. Registration of Portage soybeans. *Crop Sci.* 6(6):612. Nov./Dec. 1966. 64.8 C883
- 40531 WEBER, C. R. Registration of Amsoy soybeans. *Crop Sci.* 6(6):611-612. Nov./Dec. 1966. 64.8 C883
- Sugar Crops
- 40532 BABU, C. N., SINGH, S., and KANWAR, R. S. On the methodology of sugarcane selection trials. *Indian Sugar [Calcutta]* 16(5):389-391. Aug. 1966. 65.8 In26
- 40533 BHOJ, R. L., and MATHUR, B. K. Effect of seasons of planting and harvesting and seed character on plant and ratoon crops of sugarcane. *Indian Sugarcane J.* 9(4):207-211. Ref. July/Sept. 1965. 65.8 In27
- 40534 DECOUX, L. The monogerm seed of sugar beet and its evolution. 2. (Fr) *Sucrerie Belge* 86(3):81-113. Ref. Nov. 15, 1966. 66.8 Su1 Chiefly culture.
- 40535 DECOUX, L. The monogerm sugar beet seed and its evolution. (Fr) *Sucrerie Belge* 86(4):133-192. Ref. Dec. 15, 1966. 66.8 Su1 English summary. Chiefly culture.
- 40536 FERNANDEZ MATOS, E., and ZUNINO FREIRE, H. Sugarcane in Uruguay—can cultivation be improved? II-III. (Sp) *Agr. Amer.* 15(4):32-34, 36; (10):40-41, 58. Apr./Oct. 1966. 58.8 Ag832
- 40537 FIEDLER, J. Optimal spacing in the planting of beet tubers. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(9):977-992. Ref. Sept. 1966. 64.9 C33 English summary. Sugar beets.
- 40538 FRESHWATER, I. T. More about Q.80. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull.* 30(1):28-29. July 1, 1966. 65.9 Q3C Sugarcane variety.
- 40539 KENNERLY, A. B. San Antonio, Texas experiments show yields topping 40 tons. *Sugarbeet Grower Quart.* 4(3):8. Summer 1966. 66.8 Su322
- 40540 KHAPHAGA, E. E., and others. Correlation studies in sugarcane. *Agr. Res. Rev.* 44(1):57-62. Jan. 1966. 24 Eg94 M. K. Eladawi, M. A. Elsmei, A. H. Nour, and T. M. Fayed, joint authors. Varieties in United Arab Republic.
- 40541 KOELLING, M. R., and GABRIEL, W. J. Selection and propagation of superior sugar maple trees. *Can. Maple Prod. Proc.*, 6th Conf.: 3-7. 1965. A67.9 R31
- 40542 MIAN, O. J. The search for suitable sugarcane varieties in Peshawar Valley. *West Pakistan J. Agr. Res.* 3(4):79-84. Dec. 1965. 22 W52
- 40543 MISRA, G. N. A new system of spacing sugarcane rows. *Indian Sugarcane J.* 9(3):193-195. Apr./June 1965. 65.8 In27

- 40544 NYPL, J. The effect of different planting dates and rates on the quality and coefficient of growth of sugar beets seedlings. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):1003-1014. Sept.1966. 64.9 C33 English summary.
- 40545 PANJE, R. R., and GILL, P. S. Possibilities of sugarbeet cultivation in India. Indian J. Agr. Sci. 36(1):8-20. Feb.1966. 22 Ag831
- 40546 PRIEN, H. G. What do polyploid sugar beet varieties produce? (Ge) Mitt. Deut. Landwirts.-Ges. 81(45):1666,1668,1670. Nov.10,1966. 18 N39
- 40547 SLADEK, B. Utilization of intervarietal crossing in the breeding of sugar beets. Crossing with varieties from abroad. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):921-934. Ref. Sept.1966. 64.9 C33 English summary.
- 40548 THAKUR, C., AKHTAR, S. W., and AKHTAR, S. A. Outstanding canes of Bihar VIII. B.O. 24—a mid-early variety suited to low-lying and flooded areas. Indian Sugarcane J. 9(3):171-175. Ref. Apr./June 1965. 65.8 In27
- 40549 THAKUR, C., AKHTAR, S. W., and AKHTAR, S. A. Outstanding canes of Bihar IX. B. O. 29—a high tonnage late variety. Indian Sugarcane J. 9(3):176-180. Ref. Apr./June 1965. 65.8 In27
- 40550 URGEL, G. V., LUMANLAN, C. A., and MORA, C. R. Influence of planting density and furrow distance on the yield of cane and sugar. Philippine Sugar Inst. Quart. 12(1):19-24. Mar.1966. 65.9 P533

Tobacco

- 40551 BLANKSMA, E. Rapport au Gouvernement de la Syrie sur l'amélioration et la modernisation de la culture du tabac [Report to the Government of Syria on the improvement and modernization of tobacco culture]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2053,13 p. 1965. 281.9 F733E
- 40552 CHAPLIN, J. F. Potential for quality leaf built into new varieties. Tobacco [New York] 164(1):24-25. Jan.6,1967. 286.89 T552
- 40553 HEGGESTAD, H. E. Registration of Burley 1, Burley 2, Burley 11A, Burley 11B, Burley 21, Burley 37, and Burley 49 tobaccos. Crop Sci. 6(6):612-613. Nov./Dec.1966. 64.8 C883 Varieties resistant to Phytophthora parasitica and Pseudomonas tabaci.
- 40554 POVILAITIS, B., and WHITE, F. H. Delcrest 66, a new variety of bright tobacco. Can. J. Plant Sci. 46(4):457-458. July 1966. 450 C16
- 40555 SALEM, A. A., YOUSEF, R., and HSSAN, S. A study of some characteristics of certain varieties of tobacco in some localities in U.A.R. Agr. Res. Rev. 43(3):113-123. July 1965. 24 Eg94
- 40561 ROTNEBERG, P. The farm garden is facing winter. (No) Norsk Landbruk 21:9,29. Oct.21, 1966. 11 N8122
- 40562 ROYAL HORTICULTURAL SOCIETY. Report of the Council for 1966. Roy. Hort. Soc. J. 92 (2):46-77. Feb.1967. 84 L84J
- 40563 WRIGHT, W. J. Horticultural progress in the U.S.A. Great Brit. Min. Agr. Fish. Food. Agr. 73(11):534-538. Nov.1966. 10 G79J Summary of proceedings of International Horticultural Congress, 1966.

Fruit - General

- 40564 FORTE, V. Specie e cultivar nella frutticoltura meridionale (Varieties and cultivars in fruit industry of southern Italy). Bologna, Calderini, 1965. 64 p. (Universale Edagricole, No.25) SB357.F6
- 40565 FRANZ, M. Grafting and budding—a practical guide. Org. Gard. Farming 14(2):86-88,90-92. 94-95. Feb.1967. 57.8 Or32 Fruit and nuts.
- 40566 GREEN, L. Don't forget the useful plants in the garden. (Sw) Gavleborgs Lans Hushallningssallsk. Lantbrukstidskr. 42(2):14-15. 1966. 11 G24L Fruit and vegetable culture.
- 40567 HICKS, G. J. The home orchard in winter. New Zeal. J. Agr. 112(6):85,87,89. June 1966. 23 N48J
- 40568 JONAS, F. First tests with the exploitation of strip-mined areas for fruit-trees planting in the North-Bohemian browncoal basin. (Cz) Vyzkumn. Ustav Meliorac. Ved. Prace 7:61-81. Ref. 1965. S604.A1V9 English summary.
- 40569 KULSAR, E. Grafting is easy. Org. Gard. Farming 14(2):96-100. Feb.1967. 57.8 Or32 Fruit.
- 40570 MIYASHITA, K. Kanchi kaju [Cold-region fruit growing]. Tokyo, Chikyu Shuppan, 1965. 267 p. SB354.G.3J3M5 Includes effects of cold weather on fruit trees.
- 40571 MODORAN, I. Planting orchards with fruit trees of different age. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:451-461. Ref. 1963/64, pub.1966. 86 R862 French summary.
- 40572 SNAVELY, M., and SNAVELY, J. Grafting and budding trees. Org. Gard. Farming 14(2):100-102. Feb.1967. 57.8 Or32 Fruit and nuts.
- 40573 TRON, M. Fruit culture in the Hautes-Alpes. (Fr) Potasse 40(333):61-64. Mar.1966. 57.8 P84
- 40574 WAGNER, S. Some aspects of the splitting in fruit trees at the grafting point in nurseries. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:413-419. 1963/64, pub.1966. 86 R862 French summary.

HORTICULTURAL CROPS

- 40556 ALBRECHT, G. What is plastic? (No) Gartnerykr. 56(49):1093-1094,1110. Dec.2,1966. 80 G1938 Includes its use in horticulture.
- 40557 BROWN, I. L. Nelson and Marlborough among leaders in horticulture. New Zeal. J. Agr. 113 (6):86-89. Dec.1966. 23 N48J
- 40558 LINDSTROM, E. Importance of nurseries in horticulture. (Sw) Norrbottens Lantmannabl. 1:7-8. Jan./Feb.1966. 11 N792
- 40559 MEES, M. Horticulture in Denmark. (Fl) Tuinbouwberichten 30(11):388-391. (Cont.) Nov.1966. 80 T817
- 40560 POPA, V. Activity of the Institute for Horticultural and Viticultural Research (Institut de Cercetari Horti-Viticole) during 1963. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:21-30. 1963/64, pub.1966. 86 R862

Citrus and Subtropical Fruits

- 40575 ACEVEDO DEFILLO, R. Culture and marketing of pineapples. (Sp) Credito Rural (ser.2) 161:3-4,12. Nov.1965. 284.28 C863
- 40576 HARTMANN, H. T., and OPITZ, K. W. Olive production in California. Calif. Univ. Agr. Ext. Circ. 540,63 p.map. Ref. Oct.1966. 100 C12S Published jointly with California Agricultural Experiment Station.
- 40577 JAGIRDAR, S. A. P., and ALI, S. Z. Effect of age and variety of stock plants on the bud take in mango. Agr. Pakistan 16(4):461-466. Ref. Dec.1965. 22 Ag832
- 40578 MINESSY, F. A. A four-year study of vegetative growth, yield and fruit quality of eight citrus varieties budded on newly introduced and local rootstocks. Alexandria J. Agr. Res. 13 (2):353-380. Ref. July 1965. 24 AL2

- 40579 MOREIRA, R. S. Research with the banana plant. (Por) *Agronomico* 17(11/12):1-3. Nov./Dec.1965. 9.2 Ag894 Culture.
- 40580 OSWALT, T. W. Research demonstrations as aids to Hillsborough County growers. *Citrus Indus.* 47(10):28-30. Oct.1966. 80 C49 Extension work.
- 40581 SAID, M., and INAYATULLAH. Citrus propagation. *Agr. Pakistan* 16(4):455-459. Dec. 1965. 22 Ag832
- 40582 TATE, H. F., and HILGEMAN, R. H. Dates in Arizona. *Ariz. Univ. Ext. Bull.* A-22,rev., 32 p. Ref. May 1966. 275.29 Ar42Bu Culture.
- Deciduous Fruits**
- 40583 BOTEZ, M. I., and others. The effect of different systems of pruning of plum variety Tuleu Gras. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:493-502. Ref. 1963/64, pub.1966. 86 R862
M. Straulea, I. Foalea, and V. Moisescu, joint authors.
French summary.
Effect on yields.
- 40584 BURLOI, N. Complex of cultural practices in young apricot stands. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:479-492. 1963/64, pub.1966. 86 R862
French summary.
Includes stubble mulching and green manuring.
- 40585 CAILLAVET, H. Nectarines, smooth-skinned varieties of peaches. (Fr) *Pyrenees-Orientale. Chambre Agr. Bull. Tech.* 39:64-80. June 1966. 14 F8462 Varieties.
- 40586 CATAVELA, S., and MANUCHEVICI, E. Determination of the best intermediary rootstocks for some valuable apple varieties. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:395-411. 1963/64, pub.1966. 86 R862
French summary.
- 40587 CONSTANTINESCU, N., and POPA, P. Valuable peach hybrids as future new varieties. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:303-318. 1963/64, pub.1966. 86 R862
French summary.
- 40588 CVASNII, D., and others. The response of some autochthonous varieties of plum rootstocks in fruit nurseries. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:337-349. Ref. 1963/64, pub.1966. 86 R862
M. Mitu, I. Bodi, N. Cojemeaneu, and G. Dumitrescu, joint authors.
French summary.
- 40589 FERNQVIST, I. Production of quality fruit. (Sw) *Jord-Groda-Djur* 23:175-188. 1966. 11 J763 Apples and pears.
- 40590 GHERGHI, A. Qualitative tests with the main plum varieties in the fruit production region of Bistrita. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:945-952. Ref. 1963/64, pub.1966. 86 R862
French summary.
Includes properties and composition.
- 40591 JOHNSTON, S., and others. Growing apricots, in Michigan. *Mich. State Univ. Ext. Bull.* 533.9 p. Aug.1966. 275.29 M58B
J. E. Moulton, R. F. Carlson, and R. P. Larsen, joint authors.
- 40592 KRUGERKE, W. Green or yellow Golden Delicious. (Ge) *Obstbauberatungsring. Mitteilungsbl.* 21(3):56-57. June 1966. 85 Ob72 Apple variety.
- 40593 LIVERMORE, D. E. Plum growing in southern Victoria. *J. Agr. [Melbourne]* 64(9):411-418. Sept.1966. 23 V663
- 40594 MENUGHEVICI, E., CATAVELA, S., and TU-DOSESCU, O. The response in nurseries of different types of vegetative rootstocks for some varieties of apples. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:351-368. Ref. 1963/64, pub.1966. 86 R862
French summary.
- 40595 PARKER, K. G., and others. Combating re-plant problems in orchards. *Cornell Univ. Ext. Cornell Ext. Bull.* 1169.19 p. Aug.1966. 275.29 N48E
W. F. Mai, G. H. Oberly, K. D. Brase, and K. D. Hickey, joint authors.
Deciduous fruit.
- 40596 PARNIA, C. The effect of regeneration of crowns and roots of plums. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:523-533. Ref. 1963/64, pub.1966. 86 R862
French summary.
Effect of pruning on yields.
- 40597 PARNIA, P. Determination of the optimal quantity of seeds to be planted in the production of rootstocks of domestic varieties of pears and apples. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:329-336. Ref. 1963/64, pub.1966. 86 R862
French summary.
- 40598 PARNIA, P. The response in nursery of the Jonathan apple variety grafted on different vegetative rootstocks. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:369-378. Ref. 1963/64, pub.1966. 86 R862
French summary.
- 40599 POPESCU, C. V., and BADESCU, G. Improvement of the technique of apple harvesting. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:543-560. Ref. 1963/64, pub.1966. 86 R862
French summary.
- 40600 ROACH, F. A. Apple production in British Columbia. 1. Great Brit. *Min. Agr. Fish. Food. Agr.* 73(9):420-422. Sept.1966. 10 G79J Culture.
- 40601 RYADNOVA, I. M., and VASILENKO, T. S. Breeding of hardy peach varieties. (Rus) *Nauch. Dok. Vysshie Shkoly. Biol. Nauk.* 2:193-196. 1965. 442.8 N22
- 40602 STEFAN, N., TUDOSESCU, O., and PARNIA, P. The response in orchards, during the first years of planting of the main varieties of plums grafted on different rootstocks in the first and fourth fruit production region. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:421-431. 1963/64, pub.1966. 86 R862
French summary.
- 40603 THOMAS, G. W. The Williams' pear. *Roy. Hort. Soc. J.* 92(1):28-31. Jan.1967. 84 L84J
- 40604 THORUP, S. Pruning. (Da) *Erhvervsfrugtavlere* 34(1):19-20. Jan.1,1967. 80 Er3 Apples.
- 40605 WIDEBRANT, E. Yield regulating measures in the orchards. (Sw) *Skaraborgs Lans Hushallningssallsk. Tidn.* 6:106-108. Dec.1965. 11 Sk1 Apples.
- Small Fruits**
- 40606 BAGNIS, G. The raspberry in former chestnut groves. (It) *Cuneo. Cam. Com. Indus. Agr. Not. Camerale* 21(21):627-629. Nov.15,1966. 287 C91 Culture.
- 40607 BARACTAUR, M., IONESCU, P., and TUDOR, T. Determination of the optimal nutritional space for the Italian Riesling grape variety under conditions of the vineyards of Dragasani area. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:813-824. Ref. 1963/64, pub.1966. 86 R862
French summary.
By planting.
- 40608 BENOIT, F. Forcing of strawberries under glass. (Fl) *Tuinbouwberichten* 30(11):397-398. Nov.1966. 80 T817

- 40609 BLAJA, D., VLADU, I., and IONESCU, V. Strawberry clone "Laxton VI" and its response compared with the culture of other varieties. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:319-327. Ref. 1963/64, pub. 1966. 86 R862
French summary.
- 40610 BUDAN, A. The ripening of main grape varieties in vineyards of Stefanesti-Topoloveni, Ionesti-Costesti and Jiblea- Calimanesti areas. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:827-843. Ref. 1963/64, pub. 1966. 86 R862
French summary.
Harvesting date.
- 40611 CRINER, D. Our "sweet success" with strawberries. Org. Gard. Farming 14(2):56-58. Feb. 1967. 57.8 Or32
- 40612 DARROW, G. M., and MOORE, J. N. Blueberry growing. U. S. D. A. Farmers' Bull. 1951, 33 p., rev., map. Dec. 1966. 1 Ag84F
- 40613 DARROW, G. M. Strawberry culture. South Atlantic and Gulf Coast regions. U. S. D. A. Farmers' Bull. 1026, slightly rev., 36 p., map. Dec. 1966. 1 Ag84F
- 40614 DEHDE, K. Recommendations for the propagation of strawberries. (Ge) Obstbauberatungsring. Mitteilungsbl. 21(3):55. June 1966. 85 Ob72
- 40615 FENELL, S. If you are a strawberry fancier. Org. Gard. Farming 14(2):49-53. Feb. 1967. 57.8 Or32
Varieties and culture.
- 40616 GUPTA, P. K., and RANE, D. A. Studies in the method of grafting grapes (*Vitis* species); a quick commercial method of grafting. Dhulia. Coll. Agr. Mag. 5(1):46-53. Jan. 1966. 107.5 D533
Includes costs.
- 40617 HUSSAIN, C. A. Polyploidy breeding in grapes (*Vitis vinifera*); a review. Agr. Pakistan 16(4):493-499. Dec. 1965. 22 Ag832
- 40618 METAXA, G., and OPREA, S. The effect of cultural practices on the growth and yields of grapes. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:743-752. Ref. 1963/64, pub. 1966. 86 R862
French summary.
- 40619 METAXA, G. Results of the application of complex cultural practices in grape stands located on different points of sloping terrains. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:729-742. 1963/64, pub. 1966. 86 R862
French summary.
- 40620 NAEF, J. Churer Rheintal—a preferred grape and fruit district. (Ge) Grune 94(40):1437-1440. Oct. 7, 1966. 17 Sch9
Culture.
- 40621 NEAGU, M., and others. Comparative tests with some world varieties of grapes under pedoclimatic conditions of Dragasani and Bucharest areas regarding their distribution within production regions. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:605-628. Ref. 1963/64, pub. 1966. 86 R862
E. Negreanu, V. Lepadatu, P. Banita and E. Dumitrescu, joint authors.
French summary.
- 40622 NEAGU, M., POPESCU, G., and PITUC, P. New breeds from grape varieties Furmut and Cabernet Sauvignon. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:593-604. Ref. 1963/64, pub. 1966. 86 R862
French summary.
- 40623 NEAGU, M. I., and GORODEA, G. The response of the main table varieties of grapes in the viticultural area of Greaca. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:629-641. Ref. 1963/64, pub. 1966. 86 R862
French summary.
- 40624 OPREA, S. The response of some table varieties of grapes under conditions of Aiud-Ciumbrud. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:643-654. 1963/64, pub. 1966. 86 R862
French summary.
- 40625 PANDELE, I. Study of the chemical composition of strawberry varieties from the collection of the Institute for Horticultural and Viticultural Research at Baneasa as a criterion for the selection of varieties most suitable for the propagation and production of new varieties. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:971-986. Ref. 1963/64, pub. 1966. 86 R862
French summary.
- 40626 POENARU, I., DUSCHIN, V., and BRAGUTA, G. Application of complex cultural practices in young vineyards of the Odobesti area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:667-697. Ref. 1963/64, pub. 1966. 86 R862
I. Laszlo, L. Valeanu, I. Poenaru, M. Macici, V. Duschin, N. Podoleanu and G. Sandulescu, joint authors.
French summary.
Includes effect on yields.
- 40627 POPA, V., and others. Preliminary results of the introduction of high trellises in the culture of grapes. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:667-697. Ref. 1963/64, pub. 1966. 86 R862
I. Laszlo, L. Valeanu, I. Poenaru, M. Macici, V. Duschin, N. Podoleanu and G. Sandulescu, joint authors.
French summary.
Includes effect on yields.
- 40628 SWITZERLAND, EIDGENÖSSISCHE VERSUCHSANSTALT FÜR OBST-, WEIN- UND GARTENBAU (WADENSWIL). New plantings with grafted grapes. Rev. edition of Flugschrift No. 47. (Ge) Schweiz. Z. Obst- Weinbau 102(17):457-461. (Concl.) Aug. 20, 1966. 80 Sch9
Includes culture.
- 40629 TIRRELL, R. Alpine strawberries for June-to-frost fruit. Org. Gard. Farming 14(2):54-55. Feb. 1967. 57.8 Or32
- 40630 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing raspberries. U. S. D. A. Farmers' Bull. 2165, rev., 14 p. Jan. 1967. 1 Ag84F

Nuts

- 40631 ALLAN, P. Macadamias—how does one increase these delicious nut trees? Farming S. Afr. 42(8):42-44. Nov. 1966. 24 So842
Culture of *Macadamia integrifolia* and *M. tetraphylla*.
- 40632 JOUBERT, A. J., and VAN DER MEULEN, A. The pecan nut [*Carya illinoensis*]. Repub. S. Afr. Dep. Agr. Tech. Serv. Bull. 383, 30 p., map. Ref. 1966. 24 So84P
Culture.

Shade Trees and Ornamental Plants

- 40633 ANDALO', P. In the house of Morandi; garden in solitude. (It) Agricoltura 15(12):79-82. Dec. 1966. 16 Ag8226
- 40634 BAKER, R. L., JOHNSON, C. N., and SOER-GEI, K. P. Shrubs landscaping in Maryland. Md. Univ. Ext. Leaflet. 41, 28 p. Feb. 1966. 275.29 M36EL
- 40635 BALLATORE, G. P., and CARUSO, P. Ecological aspects and problems of the floriculture in open air in some typical zones of Sicily in relation to exportation possibilities and to foreign trade. (It) Palermo. Univ. Ist. Agron. Gen. Colt. Erbacee. Quad. Agron. 2:3-27. Ref. 1966. 16 P172
English summary.
- 40636 BARONTINI, F., and BURALLI, L. Culture of roses for cut flowers. (It) Agr. Spezia 14(11):177-182. (Cont.) Nov. 1966. 16 Ag8229
- 40637 BARONTINI, F., and BURALLI, L. Rose culture for cut flowers. (It) Agr. Spezia 14(7):107-111. July 1966. 16 Ag8229
- 40638 BIGNARDI, M. G. Rural family floriculture; brief notes on culture of the principal flowering and ornamental plants adapted to the family garden. (It) Romagna Agr. Zootec. 51(8):311-317. (Cont.) Aug. 1966. 16 R66

- 40639 BIGNARDI, M. G. Rural family floriculture; brief notes on the culture of the principal flowering and ornamental plants adapted to the family garden. (It) *Romagna Agr. Zootec.* 51 (9):349-352. (Concl.) Sept.1966. 16 R66
- 40640 BRICKELL, C. D. Notes from Wisley. Roy. Hort. Soc. J. 92(2):81-84. Feb.1967. 84 L84J
Ornamental plant varieties.
- 40641 CASINI-ROPA, G. Historical notes on the Bentivoglio garden and buildings of Viola. (It) *Accad. Naz. Agr. Ann.* 77(1):57-72, map. 1966. 16 B632A
- 40642 COOKE, R. B. Kilbryde, Corbridge, Northumberland. 1. Trees and shrubs. Roy. Hort. Soc. J. 92(2):84-88. Feb.1967. 84 L84J
Ornamental.
- 40643 DORN, W. Growing of Iris. (Ge) *Deut. Iris-Lilienges.* 1965:78-87. 96.45 D48
- 40644 EVRRARD, T. O. Chemical tree pruning a promising new control with plant growth inhibitors. *Weeds Trees Turf* 5(1):12-13. Jan.1966. 79.8 W413
Tested with MH-30T and B-995 on shade trees.
- 40645 EWAN, J. W. The commercial production of roses. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(9):431-435. Sept.1966. 10 G79J
- 40646 FELDMAIER, C. Lily from A to Z. (Ge) *Deut. Iris-Lilienges.* 1965:138-167, map. 96.45 D48
Lilium culture.
- 40647 FELDMAIER, C. Plant breeding—a hobby? (Ge) *Deut. Iris-Lilienges.* 1965:34-40. 96.45 D48
Ornamental.
- 40648 FISCHER, W. J. Problems of the house plant culture: house- and window plants. (Ge) *Kosmos* 62(6):218-220. June 1966. 474 K842
Chiefly Pelargonium varieties.
- 40649 FRESE, P. F. Annual flowers in color; a new guide to America's most popular garden flowers. New York, Grosset and Dunlap, 1966. 144 p. (The American Horticultural Library) SB405.F7
- 40650 HAAS, P. G. DE. Tree nursery research in Germany. (Ge) *Deut. Baumschule* 18(8):214-221. Aug.1,1966. 80 G486
Ornamental plants and fruit.
- 40651 HABER, T. The year 1964 in Holland lily cultivation areas. (Ge) *Deut. Iris-Lilienges.* 1965:174-180. 96.45 D48
Chiefly culture.
- 40652 HELLYER, A. G. L. Shrubs in colour. London, Collingridge, 1965. 128 p. (An Amateur Gardening Encyclopaedia) SB435.H4
- 40653 INDYK, H. W. How to establish a uniform stand for turfgrass sod. *Weeds Trees Turf* 5(3):28,30-32. Mar.1966. 79.8 W413
- 40654 INTERNATIONAL SHADE TREE CONFERENCE, 42, CLEVELAND, 1966. Proceedings of business sessions. n.p., 1966. 34 p. 99.9 N218
- 40655 JEFFERSON-BROWN, M. Daffodils, tulips, and other hardy bulbs. London, Gifford, 1966. 160 p. SB425.J4
Varieties and culture.
- 40656 JOHANSSON, J. Forsok med olika grasslag for grasmattor, 1957-1961. Trials with lawn grasses 1957-1961. Uppsala. *Lantbrukshogsk. Medd. Ser. A*, 59,15 p., map. 1966. 11 Up62
English summary.
- 40657 JOHNSON, E. W. Ornamental woody vines for the southern Great Plains. U. S. D. A. Farmers' Bull. 2015, rev., 22 p., map. Nov.1966. 1 Ag84F
- 40658 KAMMEYER, H. F. Rare representatives from the big family of Liliaceae. (Ge) *Deut. Iris-Lilienges.* 1965:194-198. 96.45 D48
- 40659 KRONENBERG, H. G. The culture of orchids. (Du) *Landbouwkundig Tijdschr.* 78(12):401-406. Dec.1966. 105.2 Or3
- 40660 KULSAR, L. Can you raise 8-foot Delphiniums? *Org. Gard. Farming* 14(2):80-81. Feb. 1967. 57.3 Or32
- 40661 LACEY, D. B., DAVIS, S. H., and VASVARY, L. M. Rhododendrons and their kin. *Rutgers State Univ. Ext. Ext. Bull.* 389,16 p. July 1966. 275.29 N46
Culture; includes Azalea and Kalmia.
- 40662 IACIS, J. Lily culture in Soviet Union. (Ge) *Deut. Iris-Lilienges.* 1965:183-185. 96.45 D48
- 40663 LAW, A. G. Performance of bluegrass varieties clipped at two heights. *Weeds Trees Turf* 5(5):26-28. May 1966. 79.8 W413
- 40664 LEE, E. At home with plants; a guide to successful indoor gardening. New York, Macmillan, 1966. 208 p. SB419.L4
- 40665 LEMON, D. Flower seeds from California. *Roy. Hort. Soc. J.* 92(1):21-26. Jan.1967. 84 L84J
- 40666 LUNDSTAD, A. New demanding roses. (No) *Norsk Hageblad.* 82(12):257. Dec.1966. 80 N81
- 40667 MAAS, F. M. The work of the gardening and landscape architect, now and in the future. (Du) *Landbouwkundig Tijdschr.* 78(11):366-374, map. Nov.1966. 105.2 Or3
- 40668 MARKOW, S. H. Gardening with gorgeous Gerberas. *Org. Gard. Farming* 14(2):68-69. Feb.1967. 57.3 Or32
Florida.
- 40669 MARTIN, D. Growing perennial flowers in South Dakota. *S. Dak. State Univ. Ext. FS323*, 4 p. Oct.1966. 275.29 S085Fs
- 40670 MORTON, EARL OF. Sempervivum 'Commander Hay'. *Roy. Hort. Soc. J.* 92(2):95-96. Feb. 1967. 84 L84J
Presumably a hybrid between *S. schlehani* rubrifolium and *S. tectorum*.
- 40671 MUNZ, P. A. A synopsis of African species of Delphinium and Consolida. *Arnold Arboretum, J.* 48(1):30-55. Jan.1967. 451 Ar6J
- 40672 NESAULE, V. The culture of Iris caucasica. (Ge) *Deut. Iris-Lilienges.* 1965:101-103. 96.45 D48
- 40673 O'CONNOR, J. Autumn colour. *Roy. Hort. Soc. J.* 92(2):90-95. Ref. Feb.1967. 84 L84J
Chiefly selection of ornamental plants for color effects.
- 40674 PALMER, L. A cold chalk garden throughout the year. *Roy. Hort. Soc. J.* 92(1):8-17. Jan. 1967. 84 L84J
- 40675 PALMER, L. Cyclamen mirabile Hild. *Roy. Hort. Soc. J.* 92(2):89. Feb.1967. 84 L84J
- 40676 PALOCZAY, R., and WAGNER, S. The response of some varieties of roses under field conditions of the Cluj area. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7: 281-298. Ref. 1963/64, pub.1966. 86 R862
French summary.
Includes hardiness.
- 40677 PETCH, A. M. Creating an urban treescape. *Quart. J. Forest.* 61(1):51-58. Jan.1967. 99.8 Q2
Ornamental and street trees.
- 40678 PLANTS to which awards have been made in 1966. *Roy. Hort. Soc. J.* 92(1):37-41. Jan. 1967. 84 L84J
- 40679 RODIONENKO, G. I. The first Iris garden. (Ge) *Deut. Iris-Lilienges.* 1965:103-107. 96.45 D48
In USSR.
- 40680 SAITO, K. Studies on the occurrence of polyploidy and its contribution to flower plant breeding. IV. On polyploid strains in the commercial varieties of ginger-lily. (Ja) *Jap. J. Breeding* 16(2):127-132. June 1966. 64.8 J27
English summary.
Hedychium spp.
- 40681 SCHELLER, H. The vegetative reproduction of the daylilies. (Ge) *Deut. Iris-Lilienges.* 1965: 135-137. 96.45 D48
Hemerocallis.
- 40682 STRICKLAND, L. J., and others. Lend a hand for beauty. *Tenn. Univ. Ext. Publ.* 552,8 p. Nov.1966. 275.29 T25
J. W. Brimm, D. B. Williams, E. B. Jenkins, J. B. Sharp, and L. Farmer, joint authors.
- 40683 STRYDOM, D. The courtyard—the intimate garden. *Farming S. Afr.* 42(8):59-61. Nov. 1966. 24 S0842
- 40684 TAVLINOVA, G. K. Razmnozhenie mnogoletnikov cherenkovaniem v otkrytom grunte [Propagation of perennials by cuttings in open beds]. Leningrad, Izdatel'stvo Literatury po Stroitel'stvu, 1966. 74 p. SB434.T3
Ornamentals.

- 40685 TAYAMA, H. K., and KIPLINGER, D. C. Tips on growing bedding plants. *Florists' Rev.* 139 (3603):16-18, 52-53, 58-59, 70-72. Dec. 15, 1966. 80 W41
- 40686 VANNES, G. From mountain district to Finnmark. (No) Norsk Hageetid. 82(12):258-261. Dec. 1966. 80 N81
Hardy ornamentals.
- 40687 VENISON, A. H. *Sarracénias*—naturalized and in cultivation. *Roy. Hort. Soc. J.* 92(1):31-37. Ref. Jan. 1967. 84 L84J
- 40689 VON STEIN-ZEPPELIN, H. Growing *Hemerocallis*. (Ge) *Deut. Iris- Lilienges.* 1965:132-134. 96.45 D48
- 40689 VON STEIN-ZEPPELIN, H. Small *Iris* variety. (Ge) *Deut. Iris- Lilienges.* 1965:74-75. 96.45 D48
- 40690 WADA, K. *Pieris japonica* and its future. *Roy. Hort. Soc. J.* 92(1):26-28. Jan. 1967. 84 L84J
- Vegetable and Truck Crops (Including Potatoes)
- 40691 ANDRONICESCU, D., and ENACHESCU, G. New varieties and prospective hybrids of red-peppers. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole. Lucrari Stiint.* 7:177-195. 1963/64, pub. 1966. 86 R862
French summary.
- 40692 BADLU, R. N. Growing pulse crops. *Fiji Farmer* 1(4):61-62. Dec. 1965. 25 F473
- 40693 BALLATORE, G. P., and CARUSO, P. Salad tomato problems and perspectives with reference to the recently obtained experimental results. (It) *Palermo. Univ. Ist. Agron. Gen. Colt. Erbacee. Quad. Agron.* 2:29-66. Ref., p. 62-64. 1966. 16 P172
English summary.
Culture.
- 40694 BASTELAERE, H. VAN. Tomato varieties free from mildew. (Fl) *Tuinbouwberichten* 30(2):46-47. Feb. 1966. 80 T817
- 40695 BAUER, D. Experiences in vegetable culture. (Ge) *Lebendige Erde* 4:163-164. July/Aug. 1966. 18 L49
- 40696 BECKER, R. F. Newest hybrid in the vegetable kingdom F₁ carrots. *Amer. Veg. Grower* 14(12):9-10. Dec. 1966. 80 C733
- 40697 BERNARDI, J. B. Bean culture. (Por) *Agronomico* 17(11/12):8-15. Nov./Dec. 1965. 9.2 Ag894
- 40698 BOCKSTAELE, L. Vegetables as catch crop. (Fl) *Tuinbouwberichten* 30(4):127-129. Apr. 1966. 80 T817
- 40699 BREZHNEV, D. D., ed. *Geterozis v ovshchevodstve* [Heterosis in breeding of vegetables]. Leningrad, Kolos, 1966. 316 p. Ref. SB323.B7
- 40700 BUNESCU, D., and ENACHESCU, G. The effect of the provenance of biological materials and soil fertility on the quantity and quality of production of hybrid tomatoes. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole. Lucrari Stiint.* 7:197-214. 1963/64, pub. 1966. 86 R862
French summary.
- 40701 BUSCHER, F. K. Greenhouse crops. *Amer. Veg. Grower* 14(12):34, 36. Dec. 1966. 80 C733
- 40702 CARDENAS, M. The South American potential potato germ-plasm. *Amer. Potato J.* 43(10):367-370. Oct. 1966. 75.8 P842
Breeding study.
- 40703 CHERNYKH, N. Green sprouting of potatoes. (Rus) *Kartofel' Ovoshchi* 10:18-19. Oct. 1966. 75.8 K147
Effect on yields and disease resistance.
- 40704 CHIPMAN, E. W. Greensprouting seed potatoes. *Amer. Potato J.* 43(10):371-374. Oct. 1966. 75.8 P842
- 40705 DELCHEV, I. Results of biometric studies of V₃, third generation, of hybrid seeds of beans (*Phaseolus vulgaris* Savi). (Bu) *Vissh Selskostatopanski Inst.* "Vasil Kolarov." *Nauch. Tr.* 14(1):37-41. 1965. 106.3 P72
German summary.
- 40706 DESMETT, A. Selection of varieties for greenhouse culture of lettuce. (Fl) *Tuinbouwberichten* 30(5):158-161. May 1966. 80 T817
- 40707 DUARTE, R. A. Responses in yield and yield components from recurrent selection practiced in a bean hybrid population at three locations in North and South America. *Diss. Abstr.*, Sect. B, 27(5):1339B-1340B. Nov. 1966. Z5055.U49D53
- 40708 DUNCAN, A. A. Tomatoes in the garden. *Oreg. State Univ. Ext. FS53, rev.*, 2 p. Nov. 1966. 275.29 Or36
- 40709 FILIMONOV, P. Vitamin B₂ and potatoes. (Rus) *Kartofel' Ovoshchi* 10:18-19. Oct. 1966. 75.8 K147
Treatment of seed for better yields.
- 40710 GALL, H., and BOHMIG, H. J. Preventive measures in harvesting and storage for keeping potatoes sound. (Ge) *Feldwirtschaft* 7(8):410-413. Aug. 1966. 18 W763
- 40711 GIARDINI, L. Spinach. (It) *Raccolto* 7(10):160-162. Oct. 31, 1966. 16 R11
Varieties and culture.
- 40712 GOOSSENS, A. Care of cauliflower in connection with wintering. (Fl) *Tuinbouwberichten* 30(11):392. (Cont.) Nov. 1966. 80 T817
- 40713 HOLLOWAY, P. Limas like it hot! *Org. Gard. Farming* 14(2):77-79. Feb. 1967. 57.8 Or32
Culture.
- 40714 IANNIELLO, A. Glasshouse tomatoes in the Province of Latina. (It) *Raccolto* 7(10):151-154. Oct. 31, 1966. 16 R11
Chiefly culture.
- 40715 KEISERS, J. Selection of low bean varieties by grower. (Fl) *Tuinbouwberichten* 30(5):166-167. May 1966. 80 T817
- 40716 KELLQUIST, T. Potatoes in the diet. (Sw) *Var Naring* 43(1):25, 29. 1966. 44.8 M692
Chiefly breeding and quality of potatoes.
- 40717 KENNELLY, A. G. Commercial beetroot growing faces increasing demand. *New Zeal. J. Agr.* 113(1):107, 109. July 1966. 23 N48J
- 40718 KROTOVA, O., and others. Preparing seeds for planting in fall. (Rus) *Kartofel' Ovoshchi* 10:28-29. Oct. 1966. 75.8 K147
S. Uranov, V. Naumova, and Ya. Raskin, joint authors.
Pelleting of vegetable seeds.
- 40719 LAMBERT, E. B. Mushroom growing in the United States. U. S. D. A. Farmers' Bull. 1875, slightly rev., 12 p. Jan. 1967. 1 Ag84F
- 40720 LOBL, D., and IORDACHESCU, O. The culture of cauliflower and cucumbers under polyethylene covers. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole. Lucrari Stiint.* 7:241-253. 1963/64, pub. 1966. 86 R862
French summary.
- 40721 LOBL, D., and others. Production of varied vegetables by the rotation of crops. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole. Lucrari Stiint.* 7:215-228. Ref. 1963/64, pub. 1966. 86 R862
I. Popilain, S. Cristea, Z. Otvos, and G. Dragut, joint authors.
French summary.
- 40722 MAINO, A. Cave mushrooms create interests. (It) *Esso Agr.* 15(5):32-33. Oct. 1966. 58.8 Es7
Culture.
- 40723 MANESCU, B., SAVINOVA, N., and BALAN, E. Tests with various lights for additional lighting of tomato seedlings. (Rum) *Bucharest, Inst. Cercet. Horti-Viticole. Lucrari Stiint.* 7:255-277. Ref. 1963/64, pub. 1966. 86 R862
French summary.
In greenhouse culture.
- 40724 MANSSON, E. Production of quality potatoes. (Sw) *Jord—Groda—Djur* 23:148-157. 1966. 11 J763
- 40725 MASEROLI, E. N. Tenth provincial tomato competition. (It) *Avvenire Agr.* 74(2):37-40. Feb. 1966. 16 Av9
Cultural.
- 40726 MCALIESE, C. M. Is it Black Eye 5 cowpea? *Queensland, Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull.* 30(1):6. July 1, 1966. 65.9 Q3C

- 40727 EL-MURABBA, A. I. The influence of dates of sowing and harvesting on two cultivars of carrots grown in Upper Egypt. *Alexandria J. Agr. Res.* 13(2):199-213. Ref. July 1965. 24 AL2
- 40728 OROS, V. Production of early vegetables by autumn planting. (Rum) *Grandina, Via Livada* 15(9):64-69. Sept. 1966. 80 G75
- 40729 OTTOSSON, L. Production of quality vegetables. (Sw) *Jord-Groda-Djur* 23:158-174. 1966. 11 J763
- 40730 PATIL, J. A. Optimum time for raising onion seedlings and transplanting, as a rabi crop. *Dhulia. Coll. Agr. Mag.* 5(1):42-45. Jan. 1966. 107.5 D533
- 40731 POLSPOEL, A. Growing field lettuce. (Fl) *Tuinbouwberichten* 30(11):395. Nov. 1966. 80 T817
- 40732 RAUTA, C., and others. The culture of tomatoes in mineral solutions. (Rum) *Grandina, Via Livada* 15(9):52-63. Sept. 1966. 80 G75
- 40733 REINHOLD, J. Ratgeber für den Gemüsebau unter Glas [Guide to vegetable culture in the greenhouse]. Ed. 3. Berlin, Deutscher Landwirtschaftsverlag, 1966. 407 p. SB352.R4 Bibliography, p.393-402. East Germany.
- 40734 RODRIGUEZ, E., and HIGUITA M., F. Guide for cauliflower production. (Sp) *Soc. Antioquena Agr. Bol. Agr.* 555:10469-10471. Sept. 1966. 9.4 Sol
- 40735 ROWBERRY, R. G., and JOHNSTON, G. R. Effects of seed maturity, size and spacing on the yield of potatoes in Ontario. *Amer. Potato J.* 43(9):332-339. Ref. Sept. 1966. 75.8 P842
- 40736 SALEEM, R. M., and SHAFI, M. Heat resistance studies in different potato varieties and interspecific hybrids in West Pakistan. *West Pakistan J. Agr. Res.* 3(4):85-102. Dec. 1965. 22 W52
- 40737 SCAFFINO, P. P. Culture of celery. (It) *Raccolto* 7(9):135-137. Sept. 30, 1966. 16 R11
- 40738 SCHEIDECKER, D., ANDREPOULOS-RENAUD, U., and HOLIER-LAROUSSE, M. Soil-less culture of peas in the Sahara: comparison of two types of irrigation. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(12):862-874. June 29, 1966. 14 P215Bc
- 40739 SELS, J. Early outdoor lettuce: a profitable crop. (Fl) *Tuinbouwberichten* 30(2):52. Feb. 1966. 80 T817
- 40740 SELS, J. Planting of leek. (Fl) *Tuinbouwberichten* 30(4):118-119. Apr. 1966. 80 T817
- 40741 SELS, J. Whither string beans in the field? (Fl) *Tuinbouwberichten* 30(5):162-163. May 1966. 80 T817
- 40742 SHAUMYAN, I. Organizing scientific institutions and increasing theoretical research. (Rus) *Kartofel' Ovoshchi* 10:23-25. Oct. 1966. 75.8 K147
- 40743 Five-Year Plan in vegetable growing.
- 40743 SMEDT, A. DE. Problems in lettuce culture. (Fl) *Tuinbouwberichten* 30(11):393-394. (Cont.) Nov. 1966. 80 T817
- 40744 TEDORADZE, S. G. Use of bean and soybean radiomutants in breeding work. (Rus) *Moskov. Obshch. Ispytatelei Prirody. Tr. Otd. Biol.* 23:120-125. 1966. 442.9 M855T
- 40745 English summary.
- 40745 TOLEMAN, E. E. Remarkable progress made in mushroom growing. *New Zeal. J. Agr.* 113(5):76-79, 81. Nov. 1966. 23 N48J
- 40746 TORFS, P. Considerations in the selection of cauliflowers. (Fl) *Tuinbouwberichten* 30(4):123-124. Apr. 1966. 80 T817
- 40747 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Watermelons for the garden. U. S. D. A. Leaflet 528, slightly rev., 8 p. Dec. 1966. 1 Ag84L
- 40748 VANDOLINI, L. Culture of the table tomato. (It) *Raccolto* 7(9):141-144. Sept. 30, 1966. 16 R11
- 40749 VERLINDEN, J. A comparison of lettuce varieties in Brabant. (Fl) *Tuinbouwberichten* 30(11):396. Nov. 1966. 80 T817
- 40750 VERLINDEN, J. Growing white celery. (Fl) *Tuinbouwberichten* 30(4):136-137. Apr. 1966. 80 T817
- 40751 VERSHKOV, P. Growing early potato variety in the steppe of Ukraine. (Rus) *Kartofel' Ovoshchi* 10:6-7. Oct. 1966. 75.8 K147
- 40752 VIEIRA, C. Improvement of beans (*Phaseolus vulgaris* L.) in the State of Minas Gerais. II Comparative varietal tests carried during the period 1962 to 1965. (Por) *Rev. Ceres* 13(73):53-65. Ref. May/July 1966. 9.2 C332
- 40753 English summary.
- 40753 WALLACE, E. G. R. Pea culture in Hawke's Bay. *New Zeal. J. Agr.* 113(6):64-65, 67. (Cont.) Dec. 1966. 23 N48J
- 40754 WEISOETH, G. Leafy vegetables. (No) *Norsk Hagetid.* 82(12):268-271, 275. Dec. 1966. 80 N81
- 40755 YOUNG, D. A. Grand Falls, a new early harvest industrial potato. *Amer. Potato J.* 43(9):323-327. Sept. 1966. 75.8 P842
- 40756 ZAAG, D. E. VAN DER. Potato culture for the chip industry. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(12):360-368. Dec. 1966. 12 N383M

Miscellaneous Economic Plants (Coffee, Tea, Cacao, Etc.)

- 40757 ACHMAD, S. The revealing of one collection garden of *Coffea arabica* at Idjen Plateau. (In) *Menara Perkebunan* 34(11/12):255-257. Nov./Dec. 1965. 22.5 B45
- 40758 English summary.
- 40758 ANGIER, B. Free for the eating. Harrisburg, Pennsylvania, Stackpole Books, 1966. 191 p. QK36.5.A5
- 40759 Wild food plants.
- 40759 BOHM, H. Biochemical-genetical problems in the breeding of poppy species. (Ge) *Herba Hung.* 5(2/3):123-126. Ref. 1966. 71.8 H413
- 40760 CAPOT, J. The production of cuttings of selected *Caneophora* coffee clones. (Fr) *Cafe, Cacao, The* 10(3):219-227. July/Sept. 1966. 68.8 C112
- 40761 English summary.
- 40761 CHAUGULE, B. A., and MOHITE, B. V. Effect of types of setts, planting dates and spacing on the growth, yield and commercial quality of turmeric (*Curcuma longa*, Linn.). *Dhulia. Coll. Agr. Mag.* 5(1):14-19. Jan. 1966. 107.5 D533
- 40762 GUPTA, R. *Orchis latifolia* Linn.—a little known economic plant of north-western Himalayas. *Indian Forest.* 92(11): 701-703. Nov. 1966. 99.8 In2
- 40763 Used as drug plant.
- 40763 HANSSON, A. Honey plants. 22. Currants. (Sw) *Bitidningen* 65(12):364-365, map. Dec. 1966. 424.8 B54
- 40764 HANSSON, A. Honey plants. 23. Honeysuckle [*Lonicera xylosteum*]. (Sw) *Bitidningen* 66(1):4-5, map. Jan. 1967. 424.8 B54
- 40765 IZAWA, B. *Genshoku nihon yakuyoku shokubutsu jiten*. Colored illustrations of medicinal plants (materia medica) of Japan. Vol. 1. Tokyo, Seibundo, Shinkosha, 1966. 73 p. SB293.19
- 40766 Text in Japanese with nomenclature in German and Latin.
- 40766 IZAWA, B. *Genshoku nihon yakuyoku shokubutsu jiten*. Colored illustrations of medicinal plants (materia medica) of Japan. Vol. 2. Tokyo, Seibundo, Shinkosha, 1966. p.73-144. SB293.19
- 40767 Text in Japanese with nomenclature in German and Latin.
- 40767 KANAPATHIPILLAI, P. Simple designs for estate experiments. *Ceylon Tea Res. Inst. Tea Quart.* 37(2):64-66. June 1966. 68.18 C33

- 40768 MARTINSON, V. A. Hybridization of cacao and *Theobroma grandiflora*. J. Hered. 57(4): 134-136, July/Aug. 1966. 442.8 Am3
- 40769 MILEWSKI, J., and ZAJACZKOWSKI, K. Investigations on the selection of honey-bearing linden tree with long flowering period. (Pol) Warsaw. Inst. Badawczy i esnictwa Prace 308/310: 61-116. Ref. 1966. 99.9 W263
German summary.
- 40770 MORASZ, S. Increasing morphine content of poppy with controlled self-pollination. (Hu) Herba Hung. 52(3):127-130. 1966. 71.8 H413
German summary.
- 40771 PETHIYAGODA, U. The importance of the timing of pruning in relation to recovery. Ceylon. Tea Res. Inst. Tea Quart. 37(2):80-85, June 1966. 68.18 C33
- 40772 SALEN, M. Experiment with green-budding. (In) Menara Perkebunan 34(11/12):247-250. Nov./Dec. 1965. 22.5 B45
Hevea.
- 40773 SOEMARJADI, P.P.N. clones. (In) Menara Perkebunan 34(11/12):259-263. Nov./Dec. 1965. 22.5 B45
English summary.
Hevea.
- 40774 VAN NES, H. Iris in medicine and cosmetics. (Ge) Deut. Iris- Lilienges. 1965:76-77. 96.45 D48

PLANT PATHOLOGY AND PROTECTION

- 40775 ABUL-NASR, S. E. Report to the Government of Saudi Arabia on plant protection development. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2077,8 p. 1965. 281.9 F733E
- 40776 ANNUAL review of phytopathology. Volume 4, edited by J. G. Horsfall and K. F. Baker. Palo Alto, 1966. 423 p. Ref. 464.8 An72
- 40777 BAILEY, D. L. Whither pathology. Annu. Rev. Phytopathol. 4:1-8. 1966. 1966. 464.8 An72
The curriculum.
- 40778 BAKER, K. F., and SMITH, S. H. Dynamics of seed transmission of plant pathogens. Annu. Rev. Phytopathol. 4:311-334. 1966. 464.8 An72
- 40779 BATEMAN, D. F., and MILLAR, R. L. Pectic enzymes in tissue degradation. Annu. Rev. Phytopathol. 4:119-146. 1966. 464.8 An72
- 40780 BHATIA, G. N., and MATHUR, A. C. Major outbreaks of plant pests and diseases in 1962. Plant Protect. Bull. 16(3/4):17-19. 1964, pub. 1966. 421 P69
India.
- 40781 CALPOUZOS, L. Action of oil in the control of plant disease. Annu. Rev. Phytopathol. 4: 369-390. 1966. 464.8 An72
- 40782 DARLEY, E. F., and MIDDLETON, J. T. Problems of air pollution in plant pathology. Annu. Rev. Phytopathol. 4:103-118. 1966. 464.8 An72
- 40783 DENMARK, STATENS PLANTETILSYN. 17. Årsberetning vedrørende fropatologisk kontrol [17th annual report from the Government Plant Protection Service of Denmark on seed health testing], 1964-1965, by Paul Neergaard. København, 1966. 21 p. 464.9 D41
English summary.
- 40784 DORGE, S. K. Experiences with the use of aircraft in plant protection in the State of Maharashtra. Plant Protect. Bull. 17(1/2):10-12. 1965. 421 P69
- 40785 ENDE, G. VAN DEN. Recent investigations on phytoalexin formation. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:283-312. Ref. 1965. 18 D4825T
English summary.
In relation to disease resistance.
- 40786 ESTIBERIO, V. Plant protection activities in the Union Territory of Goa, Daman & Diu during 1963-64. Plant Protect. Bull. 17(1/2):34-36. 1965. 421 P69
- 40787 FARKAS, G. L., SOLYMOSY, F., and LOVREKOVICH, L. The role of altered enzyme levels in the regulation of metabolic pattern in diseased plant tissues. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:71-81. Ref., p. 78-81. 1965. 18 D4825T
- 40788 FRITZSCHE, R., WOLFFGANG, H., and OPEL, H. The importance of the physical condition of the host plant for the development of diseases. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:165-173. 1965. 18 D4825T
English summary.
- 40789 GARCIA-TEJERO, F. D. Plagas y enfermedades de las plantas cultivadas [Pests and diseases of cultivated plants]. Ed. 3, rev. Dosas. Madrid, 1965. 944 p. SB601.C3
Includes control.
- 40790 GREEN, R. P. Plant diseases. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.211-222, map. 1966. QH105.16L5
- 40791 HEITEFUSS, R. Nucleic acid metabolism in obligate parasitism. Annu. Rev. Phytopathol. 4:221-244. 1966. 464.8 An72
- 40792 HORSEFALL, J. G., and DIMOND, A. E. The concept of inoculum potential. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:111-118. Ref., p.117-118. 1965. 18 D4825T
Plants.
- 40793 JOSHI, N. C. Some prevalent plant diseases of Rajasthan (review from 1949-1963). Plant Protect. Bull. 16(1/2):17-22. 1964, pub. 1965. 421 P69
Review of the literature.
- 40794 KLINKOWSKI, M., ed. Biochemische Probleme der kranken Pflanze; Vorträge eines Symposiums im Institut für Phytopathologie Aschersleben vom 19. bis 21. August 1964 [Biochemical problems of plant pathology; addresses at a symposium at the institute for Plant Pathology, Aschersleben, August 19 to 21, 1964]. Berlin, 1965. 348 p. Ref. 18 D4825T
Papers in English, French, and German.
- 40795 LARGE, E. C. Measuring plant disease. Annu. Rev. Phytopathol. 4:9-28. 1966. 464.8 An72
Crop losses.
- 40796 LAWES, G. S. Influence of environment on plant diseases. New Zeal. J. Agr. 112(6):48. June 1966. 23 N48J
- 40797 LIMONARD, T. The factor "substrate moisture" in the health investigation of sowing seeds. (Du) Wageningen. Rijksproefsta. Zaad-contr. Meded. 17:59-63. Jan. 1966. 61.4 W12M
English summary.
- 40798 MACKO, V., and NOVACKY, A. Indoleacetic acid oxidase in diseased plant. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:125-128. Ref. 1965. 18 D4825T
- 40799 MCLAUCHLAN, G. Laboratory [New Zealand Department of Agriculture Plant Quarantine Laboratory at Levin] keeps foreign pests and diseases at bay. New Zeal. J. Agr. 113(5):29, 31. Nov. 1966. 23 N48J
- 40800 MCNEW, G. L. The role of chemicals in controlling plant diseases. U. S. Agr. Res. Serv. ARS-33-110:41-52. Ref. July 1966. A420 R31
Includes biological control.
- 40801 PAPAIVIZAS, G. C. Biological methods for the control of plant diseases and nematodes. U. S. Agr. Res. Serv. ARS-33-110:82-94. July 1966. A420 R31
Review of the literature.
- 40802 REDDY, D. B. Research and development of plant protection in Germany. Plant Protect. Bull. 17(1/2):1-6. 1965. 421 P69
- 40803 RENJHEN, P. L. Plant quarantine work undertaken in India in 1963. Plant Protect. Bull. 16(3/4):20-21. 1964, pub. 1966. 421 P69
- 40804 RUBIN, B. A. Immunity and the energetic processes of plants. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:253-258. Ref. 1965. 18 D4825T
English summary.
- 40805 RUPPEL, E. G., BARNES, D. K., and FREYRE, R. H. Effects of pesticides on stand establishment, maintenance and rotenoid concentration of *Tephrosia vogelii*. Plant Dis. Rep. 50(7): 484-487. July 1966. 1.9 P69P
Fungicides, insecticides, and nematocides; in Puerto Rico.
- 40806 SANDSTROM, L. Spring sowing and treatment. (Sw) Lantbrukstidskr. Stockholms Lan Säd 15(4):18-20. 1965. 12 L29
-Regulations for chemical treatment of seeds.

- 40807 SINGH, H. Plant protection in the context of third Five Year Plan. Plant Protect. Bull. 16 (3/4):11-16. 1964, pub. 1966. 421 P69
India.
- 40808 SINGH, S. Agricultural aviation in India. Plant Protect. Bull. 17(1/2):13-15. 1965. 421 P69
In plant protection.
- 40809 STAHMANN, M. A. The biochemistry of proteins of the host and parasite in some plant diseases. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:9-40. Ref., p.38-40. 1965. 18 D4825T
- 40810 SUCHORUKOW, K. T. The physiology of the defense reaction of plants to infectious diseases. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:219-225. 1965. 18 D4825T
English summary.
- 40811 THROWER, L. B. Terminology for plant parasites. Phytopathol. Z. 56(3):258-259. Ref. July 1966. 464.8 P562
- 40812 URITANI, I. Molecular pathology in the plant field with special regard to defense action of the host. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:201-218. Ref., p.216-218. 1965. 18 D4825T
- 40813 VAN ANDEL, O. M. Amino acids and plant diseases. Annu. Rev. Phytopathol. 4:349-368. 1966. 464.8 An72

Diseases of Field Crops

- 40814 ATKINSON, C. Rice. 2. Pests and disease. World Crops 18(3):83-86. Sept. 1966. 281.8 W892
- 40815 BRAUNSCHWEIG, BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. List of officially tested and approved grain seed-dressing materials as well as seed-dressing equipment. (Ge) Brunswick, Biol. Bundesanst. Land- Forstwirtschaft. Merkbl. 17, ed. 2, 4 p. Sept. 1965. 464.9 B833M
For control of diseases, weeds, and nematodes.
- 40816 GHAFOR, A., and GHAFAR, A. Studies on small leaf disease of cotton. Agr. Pakistan 16 (4):449-453. Ref. Dec. 1965. 22 Ag832
- 40817 KISHI, K. Genshoku narui; konsairui no byogai-chu [Colored illustrated manual of rape and root crop vegetable diseases and insect pests]. Tokyo, Nogyo Tosho, 1965. 54 p. SB608.R6K5
Chiefly fungus diseases.
- 40818 LAWSON, N. C. Alfalfa pathogens in central British Columbia. Forage Notes [Ottawa] 11 (1):35. Spring 1965. 60.8 F742
- 40819 MACDOWALL, F. D. The relation between dew and tobacco weather fleck. Can. J. Plant Sci. 46(4):349-353. Ref. July 1966. 450 C16
In relation to a preceding dose of ozone.
- 40820 NOYES, J. H. A report on maple decline research conducted at the University of Massachusetts. Conf. Maple Prod. Proc., 6th Conf.: 43-49. 1965. A67.9 R31

Diseases of Horticultural Crops

- 40821 GRAHAM, K. Dalo diseases. Fiji Farmer 1 (4):54-56. Dec. 1965. 25 F473
- 40822 JANSON, B. F. Chemical control of fruit diseases in Ohio. Agr. Vet. Chem. 7(4):86-88. July/Aug. 1966. 382 Ag82
- 40823 KISHI, K. Genshoku tomato, nasu no byogai-chu [Colored illustrated manual of tomato and eggplant diseases and pests]. Tokyo, Nogyo Tosho, 1965. 40 p. SB608.T75K5
- 40824 KISHI, K. Genshoku yosai; ichigo no byogai-chu [Colored illustrated manual of strawberry and vegetable diseases and pests]. Tokyo, Nogyo Tosho, 1965. 40 p. SB608.T81K5
Chiefly fungus diseases.
- 40825 LEIBSTER. Pest control with irrigation systems. (Ge) Umschau 66(15):503. Aug. 1, 1966. 474 Um7
Fusicladium dendriticum, *Podosphaera leucotricha*, and insect pests of apples.

- 40826 MONEY, S. P. Be on the alert for pests and diseases in the vegetable garden. New Zeal. J. Agr. 112(6):101,103,105. June 1966. 23 N48J
Fungus diseases; chemical control.
- 40827 MONEY, S. P. Guide to pests and diseases in tomato crops. New Zeal. J. Agr. 113(1):101, 103,105. (Concl.) July 1966. 23 N48J
Chemical control.
- 40828 PRONE, P. P., and HALLIWELL, R. S. How to diagnose tree diseases. Weeds Trees Turf 5(5):14-17,28. May 1966. 79.8 W413
Ornamentals.
- 40829 RUIZ CASTRO, A. Plagas y enfermedades de la vid [Pests and diseases of grapes]. Madrid, Instituto Nacional de Investigaciones Agronomicas, 1965. 757 p. Ref. SB608.G7R8
Includes control.
- 40830 SOENEN, A. The Research Station of Gorseum [Station de Recherche] in Belgium. World Rev. Pest Contr. 5(3):132-142. Autumn 1966. 79.8 W89
Of the Institut for Encouragement of Scientific Research in Industry and Agriculture [Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture], concerned chiefly with fruit pest and disease control.

Bacterial Diseases

- 40831 BRAUN, A. C., and WOOD, H. N. On the inhibition of tumor inception in the crown-gall disease with the use of ribonuclease. A. Nat. Acad. Sci. Proc. 56(5):1417-1422. Nov. 1966. 500 N21P
Demonstrated on *Kalanchoe daigremontiana*.
- 40832 LELLIOTT, R. A., BILLING, E., and HAYWARD, A. C. A determinative scheme for the fluorescent plant pathogenic pseudomonads. J. Appl. Bacteriol. 29(3):470-489. Ref. Dec. 1966. 448.39 Sol2
- 40833 MENAGE, A., and MOREL, G. Some peculiarities of nitrogen metabolism in tumor [Agrobacterium-tumefaciens] tissues of *Opuntia vulgaris*. (Fr) Paris. Soc. Biol. Compt. Rend. 160 (1):52-54. 1966. 442.9 P21
Agrobacterium tumefaciens causal organism.
- 40834 VANYUSHIN, B. F., and MIL'NER, N. YA. DNA composition of the normal and tumorous callous tissues of the wild grape [*Parthenocissus tricuspidata* stem. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:162-164. 1965. 442.8 N22
Caused by Agrobacterium tumefaciens.
- 40835 VORONKEVICH, I. V., and SAMOSUDOVA, E. V. Conditions for the restoration of dry cultures of phytopathogenic bacteria. (Rus) Zhur. Obshch. Biol. 26(5):612-616. Ref. Sept./Oct. 1965. 442.8 Z6

Bacterial Diseases - Field Crops

- 40836 OXTOBY, J., and LELLIOTT, R. A. Bacterial leaf spot of red clover, caused by *Pseudomonas syringae*, in Great Britain. Plant Pathol. 15(3):129-130. Sept. 1966. 464.8 P692
- 40837 ROTH, G., and WHITEHEAD, C. Bacteria as agents of plant diseases. S. Afr. Sugar J. 50 (10):930-931,933,935,937,939. Oct. 1966. 65.8 So8
Chiefly gumming disease (*Xanthomonas vasculorum*) and leaf scald (*Xanthomonas albilinea*) of sugarcane.
- 40838 THOMPSON, S. S. False broomrape on tobacco: anatomy and morphology of tumors; influence of environment; reaction of some Nicotiana species to the disease. Diss. Abstr. Sect. B, 27(1):21B. July 1966. Z5055.U49D53
Possibly caused by *Corynebacterium fascians*.
- 40839 WEBER, C. R., DUNLEAVY, J. M., and FEHR, W. R. Effect of bacterial pustule on closely related soybean lines. Agron. J. 58(5):544-545. Sept./Oct. 1966. 4 Am34P
Caused by *Xanthomonas phaseoli* soejensis.

Bacterial Diseases - Horticultural Crops

- 40840 BAUSKE, R. J. Dissemination of waterborne *Erwinia amylovora* by wind. Diss. Abstr., Sect. B, 27(1):19b. July 1966. Z5055.U49D53 On pears.
- 40841 CLOSE, R. C. Campaign to defeat bacterial blight of peas. New Zealand J. Agr. 113(5):97,99, 101. Nov.1966. 23 N48J
Caused by *Pseudomonas pisi*.
- 40842 COYNE, D. P., SCHUSTER, M. L., and ESTES, L. W. Effect of maturity and environment on the genetic control of reaction to wilt bacterium in *Phaseolus vulgaris* L. crosses. Amer. Soc. Hort. Sci. Proc. 88:393-399. 1966. 81 S012
Caused by *Corynebacterium flaccumfaciens*.
- 40843 CROSSE, J. E. Epidemiological relations of the *Pseudomonad* pathogens of deciduous fruit trees. Annu. Rev. Phytopathol. 4:291-310. 1966. 464.8 An72
- 40844 GNUTENKO, M. P., and SIZOVA, N. A. Development of control measures for toxic bacteriosis in watermelons. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 1:178-182. 1965. 442.8 N22
- 40845 KANEKO, T. Comparative studies on various calluses and crown gall of Jerusalem artichoke. I. Nutritional and hormonal requirements. Plant Cell Physiol. 7(3):313-322. Ref. Sept. 1966. 450 P699
Caused by *Agrobacterium tumefaciens*.
- 40846 LAPWOOD, D. H. The effects of soil moisture at the time potato tubers are forming on the incidence of common scab (*Streptomyces scabies*). Ann. Appl. Biol. 58(3):447-456. Ref. Dec.1966. 442.8 An72
- 40847 IAYNE, R. E. C., and RAINFORTH, J. R. A new symptom of bacterial canker resulting from systemic infection of tomato fruits and its implications in dissemination and seed transmission. Can. J. Plant Sci. 46(4):371-374. July 1966. 450 C16
Causal organism: *Corynebacterium michiganense*, in commercial greenhouses, Canada.
- 40848 IIORET, C. Existence of a period of induction and accumulation of lysopine in crown gall [*Agrobacterium-tumefaciens*] tissues of black salsify [*Scorzonera-hispanica*] during an in-vitro cycle of culture. (Fr) (Condensed). Paris. Soc. Biol. Compt. Rend. 160(1):49-52. 1966. 442.9 P21
- 40849 LOGAN, C. Simple method of differentiating *Erwinia carotovora* variety *Atroseptica* from *E. carotovora* and *E. carotovora* variety *Ardoeae*. Nature 212(5070):1584-1585. Dec.31, 1966. 472 N21
Infecting potatoes.
- 40850 PAQUIN, R. Study on the role of the glycoalkaloids in the resistance of potato to bacterial ring rot. Amer. Potato J. 43(10):349-354. Ref. Oct.1966. 75.8 P842
Caused by *Corynebacterium sepedonicum*.
- 40851 SMALE, B. C., and KEIL, H. L. A biochemical study of the intervarietal resistance of *Pyrus communis* to fire blight. Phytochemistry 5(6): 1113-1120. Ref. Nov.1966. 450 P5622
Caused by *Erwinia amylovora*.

Fungus Diseases

- 40852 BERAHA, L., and GARBBER, E. D. Genetics of phytopathogenic fungi. XV. A genetic study of resistance to sodium ortho-phenylphenate and sodium dehydroacetate in *Penicillium expansum*. Amer. J. Bot. 53(10):1041-1047. Nov./Dec.1966. 450 Am36
- 40853 BETINA, V., BETINOVA, M., and KUTKOVA, M. Effects of cyanine on growth and morphology of pathogenic fungi. Arch. Mikrobiol. 55 (1):1-16. Ref. 1966. 442.8 Ar26
Includes plant pathogens.
- 40854 DAFTARI, L. N. Effect of trace elements on *Rhizoctonia* spp. Indian Phytopathol. 19(1):118-119. Mar.1966. 464.8 In2
Effect on growth of *R. solani* and *bataticola*.
- 40855 DAY, P. R. Recent developments in the genetics of the host-parasite system. Annu. Rev. Phytopathol. 4:245-268. 1966. 464.8 An72
Pathogenic fungi.
- 40856 FERENCZY, L., HORVATH, K., and ZSOLT, J. Thin-layer chromatography of anti fungal substances from higher plants. (Ge) Herba Hung. 5(2/3):88-90. 1966. 71.8 H413
- 40857 GROGAN, R. G., and CAMPBELL, R. N. Fungi as vectors and hosts of viruses. Annu. Rev. Phytopathol. 4:29-52. 1966. 464.8 An72
Soil-borne diseases.
- 40858 HICKMAN, C. J., and HO, H. H. Behaviour of zoospores in plant-pathogenic *Phycomycetes*. Annu. Rev. Phytopathol. 4:195-220. 1966. 464.8 An72
- 40859 HOCKING, D. Brown blight (*Colletotrichum coffeanum* Noack.) of arabica coffee in East Africa. Ann. Appl. Biol. 58(3):409-421. Ref. Dec.1966. 442.8 An72
- 40860 HOLLOMON, D. W. Reducing compounds and the growth of *Phytophthora infestans*. J. Gen. Microbiol. 45(2):315-324. Ref. Nov.1966. 443.3 J823
- 40861 MOSEMAN, J. G. Genetics of powdery mildews. Annu. Rev. Phytopathol. 4:269-290. 1966. 464.8 An72
Erysiphaceae as pathogen.
- 40862 OSTAZESKI, S. A. Sporulation of *Leptodiscus terrestris* on propylene oxide sterilized culture media and a technique for differentiating some sclerotial fungi. Plant Dis. Rep. 48(10): 770-771. Oct.15,1964. 1.9 P69P
Plant pathogen.
- 40863 RAJDERKAR, N. R. Certain chemical requirements for growth and sporulation of *Alternaria* species. Mycopathol. Mycol. Appl. 30(2):172-178. Nov.10,1966. 450 M994
Alternaria nycanthi and *A. tropaeoli* isolated from leaf spots of *Nyctanthus arborescens* and *Tropaeolum majus*.
- 40864 RAJENDREN, R. B. New type of nuclear life cycle in *Hemileia vastatrix*. Nature 213(5071): 105-106. Jan.7,1967. 472 N21
Agent of rust disease in coffee.
- 40865 RAM, C. S. V. Plant protection problems in tea—blister blight control in Southern India. Plant Protect. Bull. 16(1/2):1-12. Ref. 1964. 1ub.1965. 421 P69
Exobasidium vexans, causal organism.
- 40866 SCARDARI, A. Synergism among fungicides. Annu. Rev. Phytopathol. 4:335-348. 1966. 464.8 An72
- 40867 SKROBAL, M., DEMECKO, J., and STOTA, Z. A contribution to the laboratory method of testing volatile seed mordants. (Cz) Biologia [Bratislava] 21(10):744-748. 1966. 442.8 B5265
German summary.
Fungicides.
- 40868 STARON, T., and others. Persistence of thiazobenzole in plants, systemic properties of its salts and some new data on its way of action. (Fr) Phytat., Phytopharm. 15(2):129-133. 1966. 464.8 P564
C. Allard, H. Darpoux, H. Grabowski, and A. Kollmann, joint authors.
On fungi.
- 40869 TOA AGRICULTURAL CHEMICAL CO. LTD. Polyoxin. Jap. Chem. Quart. 2(2):61. Apr. 1966. HD9657.J3J3
Fungicide.
- 40870 WILHELM, S. Chemical treatments and inoculum potential of soil. Annu. Rev. Phytopathol. 4:53-78. 1966. 464.8 An72
Fungicides.

Fungus Diseases - Field Crops

- 40871 AHMED, N. Occurrence of *Phylospora tumacensis* Speg. [*Colletotrichum falcatum*] in East Pakistan. Agr. Pakistan 16(1):39-43. Mar.1965. 22 Ag832
On sugarcane.
- 40872 AMATYA, P., and JONES, J. P. Transpiration changes in oat plants infected with crown rust. Ark. Acad. Sci. Proc. 20:59-67. Ref. 1966. 500 Ar42
Puccinia coronata.

- 40873 ANSELME, C., JAILLOUX, F., and CHAMPION, R. Flax seed health tests. (Fr) Int. Seed Testing Ass. Proc. 31(2):157-167. 1966. 61.9 In84P
English summary.
For Botrytis cinerea.
- 40874 BENADA, J. The occurrence of telia of rusts and of cleistothecia of powdery mildew on cereals and an attempt to find a factor conditioning it. Zentralbl. Bakteriell. Parasitenk. Infektionskrankh. Hyg. Abt. II, Naturwiss. 120 (4):427-433. 1966. 448.3 C33
Effects of pH on Puccinia and Erysiphe spp.
- 40875 BLACK, H. S., and WHEELER, H. Biochemical effects of victorin on oat tissues and mitochondria. Amer. J. Bot. 53(10):1108-1112. Ref. Nov./Dec. 1966. 450 Am36
Produced by Helminthosporium victoriae, cause of blight.
- 40876 BOYD, W. J. R. Problems in the interpretation of the inheritance of leaf rust resistance in the common wheat. J. Theor. Biol. 13:283-294. Ref. Dec. 1966. 442.8 J3223
- 40877 BREITENSTEIN, W. To treat with chemicals or not to treat seed grain. (Sw) Tidskr. Lantman. Andelsfolk 7:168-170. Apr. 15, 1966. 20 T43
For the control of fungus diseases of grain in Finland.
- 40878 BRIGGLE, L. W., and SEARS, E. R. Linkage of resistance to Erysiphe graminis f. sp. tritici (Pm3) and hairy glume (Hg) on chromosome 1A of wheat. Crop Sci. 6(6):559-561. Nov./Dec. 1966. 64.8 C883
- 40879 CHI, C. C. Ascorbic acid and Fusarium disease in alfalfa. Forage Notes [Ottawa] 11(1):34. Spring 1965. 60.8 F742
Effects on resistance.
- 40880 DAVIS, D. D. The effects of leaf rust infection on the conversion of glucose-U-C14 into amino acids and sugars in seedling and mature plants of Ponca wheat. Diss. Abstr., Sect. B, 27(1):52B-53B. July 1966. Z5055.U49D53
- 40881 DESSOUKI, S. M., MANSOUR, A. A., and KHALIFA, M. I. Genetic sources of resistance to net blotch of barley. Agr. Res. Rev. 43(3):47-52. July 1965. 24 Eg94
Caused by Helminthosporium teres in United Arab Republic.
- 40882 DE TEMPE, J., and LIMONARD, T. The influence of substrate moisture on the results of seed health testing in blotter medium. Int. Seed Testing Ass. Proc. 31(2):169-178. 1966. 61.9 In84P
Includes Botrytis cinerea infection of flax.
- 40883 DIERCKS, R. Die Bekämpfung der Halmbruchkrankheit des Getreides (Cercosporaella herpotrichoides) unter besonderer Berücksichtigung chemischer Verfahren [Control of stalk break disease of grain (Cercosporaella herpotrichoides) with special attention to chemical procedures]. Bayer. Landwirt. Jahrbuch 42(spec. no.4):135 p. Ref. 1965. 18 L24
Use of fungicides and internode shortening with CCC.
- 40884 DIJKSTRA, J. Rotting by spread of mycelium from ascospore lesions of Sclerotinia trifoliorum. Neth. J. Plant Pathol. 72(5):279-283. 1966. 464.8 T44
In red clover.
- 40885 DOLING, D. A. Loose smut in wheat and barley. Great Brit. Min. Agr. Fish. Food. Agr. 73 (11):523-527. Nov. 1966. 10 G79J
Caused by Ustilago nuda; includes control.
- 40886 EGAN, B. T. Unusual germination failures caused by Rind disease. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30 (1):30-31. July 1, 1966. 65.9 Q3C
Fungus disease.
- 40887 FUTRELL, M. C., and WEBSTER, O. J. Ergot infection and sterility in grain sorghum. Sols Afr. 11(1/2):163-168. Ref. Jan./Aug. 1966. 56.8 So4
Text also in French, p.169-175.
Caused by Sphacelia sorghi.
Includes discussion.
- 40888 HASSAN, S. F. Occurrence of race 11 of Puccinia graminis tritici (Pers.) Erikss. and Henn. in Pakistan. 16(3):329-330. Sept. 1965. 22 Ag832
Cause of stem rust in wheat.
- 40889 HASSAN, S. F. A plastic-jet-oiler as a convenient substitute for hypodermic syringe for wheat rust inoculations in the field. Agr. Pakistan 16(2):169-170. June 1965. 22 Ag832
- 40890 HASSAN, S. F. Some physiologic races of leaf and stem rusts of wheat in Afghanistan in 1963-64. West Pakistan J. Agr. Res. 3(4):233-234. Dec. 1965. 22 W52
Caused by Puccinia graminis tritici and P. recondita.
- 40891 HEATON, J. B. Survey of Helminthosporium blight of rice in the Northern Territory, 1961-1966. Australian Inst. Agr. Sci. J. 32(3):219-220. Sept. 1966. 23 Au74
Caused by Helminthosporium oryzae.
- 40892 HEITEFUSS, R. Oxygen uptake, phosphate and nucleic acid metabolism of wheat plants in relation to environment-controlled resistance to Puccinia graminis tritici. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:227-239. Ref. 1965. 18 D4825T
English summary.
- 40893 HILL, A. V. Physiologic specialization in Peronospora tabacina Adam in Australia. Coresta Inform. Bull. 1:7-15. Ref. 1966. 241 C78
Text also in French.
- 40894 HULLUKA, M., and ROBERTS, B. J. Reaction of a select group of oats to races 6 AE and 6 AFH of oat stem rust and a new source of resistance to stem rust. Plant Dis. Rep. 50(9):631-634. Sept. 1966. 1.9 P69P
Caused by Puccinia graminis avenae in Minnesota.
- 40895 IBRAHIM, I. A., ABD-EL-REHIM, M. A., and MICHAEL, S. H. Efficiency of Orthocide 50 in controlling chocolate-spot of horse-beans (Vicia faba var. equina) in U.A.R. (Egypt). Alexandria J. Agr. Res. 13(2):99-105. July 1965. 24 AL2
Botrytis fabae.
- 40896 IBRAHIM, I. A., and ABD-EL-REHIM, M. A. Fusarium root rot and wilt on horse bean, (Vicia faba var. equina) in U.A.R. Alexandria J. Agr. Res. 13(2):415-426. Ref. July 1965. 24 AL2
- 40897 KARAN, D. Some diseases of castor bean (Ricinus communis L.) from Hyderabad. Mycopathol. Mycol. Appl. 30(2):187-189. Nov. 10, 1966. 450 M994
Leaf spot caused by Periconia byssoides, Corynespora cassicola, and Leveillula taurica.
- 40898 KRETZBERGER, M. Atypical symptoms of Septoria nodorum on wheat seedlings. The behaviour of the cultivar Probus. (Ge) Int. Seed Testing Ass. Proc. 31(2):179-186. 1966. 61.9 In84P
English summary.
- 40899 KIYOSAWA, S. Studies on inheritance of resistance of rice varieties of blast. 2. Genetic relationship between the blast resistance and other characters in the rice varieties, Reishiko and Sekiyama 2. Jap. J. Breeding 16(2):87-95. Ref. June 1966. 64.8 J27
- 40900 LEDINGHAM, R. J. Incidence of Cochliobolus sativus in Queensland wheat crops. Queensland J. Agr. Anim. Sci. 23(1):101. Mar. 1966. 23 Q37
- 40901 LEKOMTSEVA, S. N. Susceptibility of some corn varieties and hybrids to helminthosporiosis, in case of artificial infection. (Rus) Nauch. Dok. Vysheish. Shkoly. Biol. Nauk. 1:151-155. Ref. 1965. 442.8 N22
Caused by Helminthosporium turcicum.
- 40902 LOUVET, J., and KERMOAL, J. P. Does mildew threaten sunflower culture in France? (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(12):896-902. Ref. June 29, 1966. 14 P215Bc
Plasmopara halstedii.
Includes discussion.

- 40903 MABADEJE, S. A. Progress report on the Federal maize pathology programme. *Sols Afr.* 11(1/2):213-216. Jan./Aug.1966. 56.8 S04
Text also in French, p.217-221.
Chemical control of fungus diseases in Nigeria.
Includes discussion.
- 40904 MACER, R. C. F. Resistance to eyespot disease (*Cercospora herpotrichoides* Fr.) determined by a seedling test in some forms of *Triticum*, *Aegilops*, *Secale* and *Hordeum*. *J. Agr. Sci. [London]* 67(3):389-396. Ref. Dec. 1966. 10 J822
- 40905 MAGENDANS, J. F. C., and DEKKER, J. A microscopic study of powdery mildew on barley after application of the systemic compound Wepsyn. *Neth. J. Plant Pathol.* 72(5):274-278. 1966. 464.8 T44
Caused by *Erysiphe graminis hordei*.
- 40906 NEOFITOVA, V. K., and VOROBEVA, T. G. The first results. (Rus) *Len Konoplya* 12:19-20. 1966. 73.8 L542
Testing resistance of different flax varieties to *Fusarium*.
- 40907 RAJENDRAN, V. Germination of sclerotia of sugarcane ergot. *Cur. Sci.* 35(18):472-473. Sept.20,1966. 475 Sci23
- 40908 RAMAKRISHNAN, L. Studies in the host-parasite relations of blast disease of rice, II. Changes in the carbohydrates and phenolics. *Phytopathol. Z.* 56(3):279-287. Ref. July 1966. 464.8 P562
Excerpt from thesis.
Caused by *Piricularia oryzae*.
- 40909 RUSSELL, G. E. The effect of infection with *Peronospora farinosa* on the susceptibility of sugar beet to *Erysiphe betae*. *Plant Pathol.* 15(3):97-100. Sept.1966. 464.8 P692
Cause of downy mildew and powdery mildew.
- 40910 SANKYO CO. LTD. AGRICULTURAL CHEMICALS DEPT. (Blastin)—a new synthetic fungicide for rice blast [*Piricularia oryzae*] control. *Jap. Chem. Quart.* 2(2):54-55. Apr.1966. HD9657J3J3
Pentachlorobenzyl alcohol.
- 40911 SHINDE, P. A., and BHIDE, V. P. Studies of ergot disease of bajra caused by (*Claviceps microcephala*) (w) Tul. in Maharashtra State. *Dhulia. Coll. Agr. Mag.* 5(1):57-60. Jan.1966. 107.5 D533
- 40912 SREERAMULU, T., and RAMALINGAM, A. A two-year study of the air-spore of a paddy field near Visakhapatnam. *Indian J. Agr. Sci.* 36(3):111-132. Ref. June 1966. 22 Ag83I
Chiefly fungus spores.
- 40913 SUBRAMANIAN, C. V. Host-pathogen interaction in foot rot of wheat. *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 74:133-148. Ref., p.147-148. 1965. 18 D4825T
Helminthosporium sativum.
- 40914 SAKHORUKOV, K. T., FILIPPOV, V. V., and BUSHMAKOV, R. A. Requirements of Verticillium agents causing cotton wilt in vitamins. (Rus) *Akad. Nauk SSSR. Doki.* 169(4):975-977. Ref. 1966. 511 P444A
Verticillium dahliae and V. albo-atrum.
- 40915 SYKUDO, K., and others. Genetical analysis of the rice-blast resistance based on mutation induced by gamma-irradiation. (Jap) *J. Breeding* 16(2):107-112. Ref. June 1966. 64.8 J27
Y. Yasumuro, T. Suzuki, K. Tanabe, and M. Nishioka, joint authors.
English summary.
- 40916 SYDOW, B. V. On the fixation of radioactive carbon dioxide in wheat leaves after the infection with *Puccinia graminis tritici*. II. Analytical studies. (Ge) *Phytopathol. Z.* 56(2):105-116. Ref. June 1966. 464.8 P562
English summary.
- 40917 THOMAS, C. E. Studies on the effects of light and other factors on the growth and sporulation of selected *Leptosphaeria* species. *Diss. Abstr.*, Sect. B, 27(5):1364B. Nov.1966. Z5055.U49D53
Includes white clover plants infected with *L. trifolii*.
- 40918 WEBER, C. R., DUNLEAVY, J. M., and FEHR, W. R. Influence of brown stem rot on agronomic performance of soybeans. *Agron. J.* 58(5):519-520. Sept./Oct.1966. 4 Am34P
Caused by *Cephalosporium gregatum*.

Fungus Diseases - Horticultural Crops

- 40919 ALCORN, J. L. Cucurbit diseases. *Queensland Agr. J.* 92(11):641-648. Nov.1966. 23 Q33
Fungus diseases and angular leaf spot, and their control.
- 40920 ANDREN, F. Fungicides for the control of plant diseases. (Sw) *Kem. Vaxtskyddsmedel*, 1966:31-37. 385 K313
Fruit and vegetables.
- 40921 ASSAWAH, M. W., AMR, K. M., and BOULOS, Z. Y. Studies on determining the suitable period and intervals for controlling the rust of fig trees. *Alexandria J. Agr. Res.* 13(2):339-352. July 1965. 24 AL2
Caused by *Cercotilium fici*.
- 40922 BAUER, W. Dangerous fungus diseases at the time of ripening of grapes. (Ge) *Winzer* (ser.8)22:161. Aug.1966. 95.8 W73
Includes control.
- 40923 BECKER, T. Peronospora lesson of 1965. (Ge) *Winzer* (ser.11)21:200-201. Nov.1965. 95.8 W73
Control on grapes.
- 40924 BOLTON, A. T., NUTTALL, V. W., and LYALL, L. H. A new race of *Fusarium oxysporum* f. pist. *Can. J. Plant Sci.* 46(4):343-347. Ref. July 1966. 450 C16
Causing a wilt of peas in Canada.
- 40925 BROECK, H. VAN DEN. Chemical control of club root of cauliflower. (Fl) *Tuinbouwberichten* 30(5):168-169. May 1966. 80 T817
- 40926 BROECK, H. VAN DEN. Influence of soil and ecological factors on club root attack on cauliflower. (Fl) *Tuinbouwberichten* 30(4):129-126. Apr.1966. 80 T817
Plasmodiophora brassicae.
- 40927 BUSCH, L. V. Susceptibility of potato varieties to Ontario isolates of *Verticillium albo-atrum*. *Amer. Potato J.* 43(12):439-442. Ref. Dec. 1966. 75.8 P842
- 40928 DARPOUX, H., and others. Effectivity tests of thiabendazole on peach scab (*Venturia pirina*). (Fr) *Phytiat.-Phytopharm.* 15(2):121-128. 1966. 464.8 P564
T. Staron, E. Ventura, and J. Bourdin, joint authors.
- 40929 DARPOUX, H., and others. Remarkable curative effect of thiabendazole on leaf spot in beets. (Fr) *Phytiat.-Phytopharm.* 15(2):113-119. 1966. 464.8 P564
T. Staron, A. Lebrun, and B. de la Tullaye, joint authors.
Caused by *Cercospora beticola*.
- 40930 DENNIS, D. J. Answer to tomato root problems lies in hands of research workers. *New Zeal. J. Agr.* 112(6):71,73. June 1966. 23 N48J
Corky root and brown root rot, caused by *Colletotrichum atramentarium*.
- 40931 DOROZHIN, N., and STREL'SKAYA, O. Methods for testing tomato varieties for resistance to *Phytophthora infestans*. (Rus) *Kartofel' Ovoshchi* 10:39-41. Oct.1966. 75.8 K147
- 40932 ELAROSI, H., MICHAEL, S. H., and ABD-EL-REHIM, M. A. Early stages of neck-rot of onions caused by two species of *Botrytis* in the U.A.R. (Egypt). *Alexandria J. Agr. Res.* 13(2):153-159. July 1965. 24 AL2
B. septospora and B. allii.
- 40933 ENDE, G. VAN DEN and HOEK, L. VAN. Activity of ectodermata after infection. (Ge) *Phytopathol. Z.* 56(3):253-257. July 1966. 464.8 P562
English summary.
Alternaria tenuis on beans.
- 40934 EVANS, S. G. Rust [*Puccinia pelargonii-zonalis*] of *Pelargonium*. *Plant Pathol.* 15(3):144. Sept.1966. 464.8 P692

- 40935 FEKETE, K., and KUHN, J. Vertomyc, a new fungicide for the control of Verticillium and Mycogone. (Ge) Champignon 6(59):16-22. July 1966. 80 C352
In mushroom culture.
- 40936 FLETCHER, J. T., and PREECE, T. F. Mycosphaerella [melonis] stem rot of cucumbers in the Lea Valley. Ann. Appl. Biol. 58(3):423-430. Ref. Dec.1966. 442.8 An72
- 40937 GROSCLAUDE, C. Latent fungal parasites of [fruit] trees. (Fr) Rev. Zool. Agr. Appl. 65 (4/6):82-91. Ref. Second Q.1966. 410.9 Sol2
- 40938 KISHI, K. Genshoku urirui no boyogachu [Colored illustrated manual of melon diseases]. Tokyo, Nogyo Tosho, 1965. 39 p. SB608.M4K5
Chiefly fungus diseases.
- 40939 LAFON, R., and others. New fungicides effective in mildew control of Cucurbitaceae (Erysiphe cichoracearum f. cucurbitae D.C.). (Fr) Phytat.-Phytopharm. 15(2):135-142. 1966. 464.8 P564
Y. Bugaret, A. Beyries, and A. Savio, joint authors.
- 40940 LEACH, S. S. Effects of copper and copper fungicide soil residues on Phytophthora infestans. Amer. Potato J. 43(12):431-438. Ref. Dec.1966. 75.8 P842
To control potato late blight.
- 40941 LEWIS, M. H., and SINCLAIR, J. B. Geotrichum candidum: plant tissue pH and susceptibility to plant and animal isolates. Plant Dis. Rep. 50(9):681-685. Ref. Sept.1966. 1.9 P69P
Fruit and vegetables.
- 40942 LIPSIZ, D. W. Biochemistry of potato resistance to the canker pathogen Synchytrium endobioticum (Schilb.) Perc. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:265-281. Ref. 1965. 18 D4825T
English summary.
- 40943 MARLATT, R. B. Brown leaf spot of Dieffenbachia. Plant Dis. Rep. 50(9):687-689. Sept. 1966. 1.9 P69P
Caused by Leptosphaeria in Florida.
- 40944 MIQUEL, A., and TOUZE, A. Study of some metabolic alterations caused by anthracnose in cucumbers. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(13):905-908. Ref. Sept.26,1966. 505 P21
- 40945 OVEREEM, J. C., and KAARS SJPSTEELIJN, A. The formation of perylenequinones in etiolated cucumber seedlings infected with Cladosporium cucumerinum. Phytochemistry 6(1):99-105. Ref. Jan.1967. 450 P5622
Cause of cucumber scab.
- 40946 PEGG, K. G. Studies of a strain of Alternaria citri Pierce, the causal organism of brown spot of Emperor Mandarin. Queensland J. Agr. Anim. Sci. 23(1):15-28. Ref. Mar.1966. 23 C37
- 40947 PIERRE, R. E. Histopathology and phytoalexin induction in beans resistant or susceptible to Fusarium and Thielaviopsis. Diss. Abstr., Sect. B, 27(5):1353B. Nov.1966. Z5055.U49D53
- 40948 POZSAR, B. I., and KIRALY, Z. Phloem-transpiration in rust infected plants and the cytokinin-directed long-distance movement of nutrients. Phytopathol. Z. 56(3):297-309. Ref. July 1966. 464.8 P562
Uromyces phaseoli on beans.
- 40949 RAO, V. G., DESAI, M. K., and KULKARNI, N. B. An account of some physiological studies in two species of Phytophthora. Mycopathol. Mycol. Appl. 30(2):121-128. Ref. Nov.10,1966. 450 M994
P. palmivora and P. parasitica, cause of rot in custard apples and Sapodilla.
- 40950 ROY, A. K. Occurrence of Sclerotium rolfsii on tuberose [Polianthes tuberosa] in Assam. FAO Plant Protect. Bull. 14(1):24-25. Feb. 1966. 421 P692
Includes chemical control.
- 40951 RUSHDI, M., and ABDELALIM, A. R. The studies on spore germination of Urocystis cepulae (Frost) Liro. Alexandria J. Agr. Res. 13(2):215-223. July 1965. 24 AL2
Onion smut.
- 40952 SALINGER, J. P. Chrysanthemum white rust can be eradicated. New Zeal. J. Agr. 112(6):53. June 1966. 23 N48J
Caused by Puccinia horiana.
- 40953 SARRAFY, A. Foot rot or gummosis disease of pistachio in Iran. (Pe) Tehran, Univ. Agr. Coll. Bull. 74,44 p. 1965. 22.5 T232
English summary.
Caused by Phytophthora spp.
- 40954 SAVULESCU, A., and others. Physiological and biochemical properties of some potato varieties with varying resistance to Phytophthora infestans (Mont.) de Bary. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:241-251. Ref. p.249-251. 1965. 18 D4825T
V. Esanu, N. Calin, F. Negulescu, N. Grosu, and I. Hurghisiu, joint authors.
English summary.
- 40955 SMITH, L. P., and WALKER, J. Simplified weather criteria for potato blight infection periods. Plant Pathol. 15(3):113-116. Sept. 1966. 464.8 P692
- 40956 SMITH, P. M. The chemical control of Chrysanthemum petal blight caused by Ikeromonia perplexans Derx. Ann. Appl. Biol. 58(3):431-446. Dec.1966. 442.8 An72
- 40957 SHIVASTAVA, S. N. S., MEHTA, P. R., and RENJHEN, P. L. Potato wart disease situation in Dairieling district in 1962. Plant Protect. Bull. 16(1/2):47-50. 1964, pub.1965. 421 P69
Synchytrium endobioticum, causal organism.
- 40958 STAHHMANN, M. A., CLARE, B. G., and WOODBURY, W. Increased disease resistance and enzyme activity induced by ethylene and ethylene production by black rot infected sweet potato tissue. Plant Physiol. 41(9):1505-1512. Ref. Nov.1966. 450 P692
Caused by Ceratocystis fimbriata.
- 40959 TEMPEL, A., and SJPSTEELIJN, A. K. Pento-barbital sodium salt, a systemic agent for control of powdery mildew of cucumber. Nature 213(5072):215-216. Jan.14,1967. 472 N21
Sphaerotheca fuliginea as causative agent.
- 40960 WAFFELAERT, P. On lettuce rot. (Fr) Pyrenees-Orientale. Chambre Agr. Bull. Tech. 39:61-63. June 1966. 14 F8462
Control of Sclerotinia sclerotiorum and Botrytis cinerea with dichloran.
- 40961 WRIGHT, J. R. Studies on the biochemistry of the pink root fungus, Pyrenochaeta terrestris. Diss. Abstr., Sect. B, 27(1):90B. July 1966. Z5055.U49D53
Cause of pink root diseases of onions.
- 40962 YAMAMOTO, M. Suscept-pathogen interrelationships in potato late blight. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:175-199. 1965. 18 D4825T
Bibliography, p.195-199.
Phytophthora infestans.

Fungus Diseases - Forest Trees

- 40963 BROWN, M. F. Localization of cellulose and chitin in the cell walls of Ceratocystis ulmi. Diss. Abstr., Sect. B, 27(5):1376B. Nov.1966. Z5055.U49D53
- 40964 CROSBY, E. S. Studies in the morphology, life history, and pathogenicity of Scirrhia acicola (Deurn.) Siggers. Diss. Abstr., Sect. B, 27(5):1352B. Nov.1966. Z5055.U49D53
Causal organism of brown spot disease of Pinus palustris.
- 40965 JOHNSON, H. G. Dutch elm disease and community decisions. Minn. Univ. Ext. Spec. Rep. 14,6 p.-folder. Aug.1965. 275.29 M665b
Control.
- 40966 KOENINGS, J. W. Studies of cytochemical localization of specific dehydrogenases in frozen, diseased tissues of Pinus. Amer. J. Bot. 53 (10):1101-1108. Ref. Nov./Dec.1966. 450 Am36
Pinus monticola and Ribes viscosissimum infected with blister rust pathogen, Cronartium ribicola.

- 40967 MINKEVICH, I. I. Biology of causal agent of vascular mycosis in trees. (Rus) Nauch. Dok. Vysshel Shkoly. Biol. Nauk. 2:185-189. 1965. 442.8 N22
Ophiostoma roboris.
- 40969 VEDERNIKOV, N. M. Phenology of the fungus, Phacidium infestans Karst., its features, and the nature of the disease that it causes in the Tatar ASSR. (Rus) Les. Zh. 5:40-43. 1965. 99.8 Iz88
On pine.

Nematodes

- 40969 COLBRAN, R. C. Studies of plant and soil nematodes. 12. The eucalypt cystoid nematode Cryphodera eucalypti n.g., n.sp. (Nematoda: Heteroderidae), a parasite of eucalypts in Queensland. Queensland J. Agr. Anim. Sci. 23(1):41-47. Mar. 1966. 23 Q37
- 40970 FERNANDEZ DIAZ-SILVEIRA, M. Los nematodos parasito de las plantas; su importancia economica en Cuba [Plant parasitic nematodes; their economic importance in Cuba]. La Habana, Centro Nacional de Experimentación y Extensión Agrícola, 1966? 12 p. SB998.N4F4
- 40971 GOOD, J. M., and FELDMESSER, J. The future role of chemicals for controlling plant nematodes. U. S. Agr. Res. Serv. ARS-33-110: 52-58. Ref. July 1966. A420 R31
- 40972 MCBRIDE, J. M., and HOLLIS, J. P. Phenomenon of swarming in nematodes. Nature (London) 211(5048):545-546. July 30, 1966. 472 N21
Tylenchorhynchus claytoni and T. martini on plants.
- 40973 PRASAD, S. K. Nematodes—a serious menace to agriculture. Plant Protect. Bull. 16(3/4): 22-27. 1964, pub. 1966. 421 P69
India.

Nematodes - Field Crops

- 40974 BESSARABOVA, L. M. A new species of Aphelenchoides (Nematodes) on legume crops in the Moscow Region. (Rus) Zool. Zh. 45(10): 1569-1570. 1966. 410 R92
English summary.
Aphelenchoides conimucronatus.
- 40975 CLARKE, A. J., and SHEPHERD, A. M. Inorganic ions and the hatching of Heterodera spp. Ann. Appl. Biol. 58(3):497-508. Ref. Dec. 1966. 442.8 An72
Field crops.
- 40976 HOOPER, D. J., and MERNY, G. Two rice nematodes new for Africa. FAO Plant Protect. Bull. 14(1):25-26. Feb. 1966. 421 P692
Aphelenchoides besseyi and Tylenchorhynchus martini.
- 40977 MILNE, D. L. New trials with nematocides for tobacco. Farming S. Afr. 42(8):7,9. Nov. 1966. 24 S042
- 40978 SANDSTEDT, R., and SCHUSTER, M. L. The role of auxins in root-knot nematode-induced growth on excised tobacco stem segments. Physiol. Plant. 19(4):960-967. Ref. 1966. 450 P564
Indoleacetic acid and Meloidogyne incognita studied.
- 40979 SUDAKOVA, I. M., and SHUBINA, L. N. On the ectoenzymatic activity of some phytonematodes. (Rus) Zhur. Obsch. Biol. 26(6):685-689. Nov./Dec. 1965. 442.8 Z6
Aphelenchus and Cephalobus on cotton.
- 40980 TAYLOR, A. L., and others. Experiments on the effect of nematodes on the growth and yield of rice in Thailand. FAO Plant Protect. Bull. 14(1):17-23. Feb. 1966. 421 P692
T. Kaosiri, T. Sittai, and D. Buangsuwon, joint authors.
Includes chemical control.
- 40981 WEBSTER, J. M. Production of oat callus and its susceptibility to a plant parasitic nematode. Nature 212(5069):1472. Dec. 24, 1966. 472 N21
Aphelenchoides ritzemabosi.

Nematodes - Horticultural Crops

- 40982 CHOLEVA, B. On nematode fauna of the cultivated mushrooms. (Bu) Rastenievudni Nauk. 3(7):97-102. Ref. 1966. 64.8 R18
English summary.
- 40983 COLBRAN, R. C., and TAYLOR, D. Controlling nematodes in vineyards. Queensland Agr. J. 92(10):577-579. Oct. 1966. 23 Q33
- 40984 COLE, C. S., and HOWARD, H. W. The effects on a population of potato-root eelworm (Heterodera rostochiensis) of growing potatoes resistant to pathotype B. Ann. Appl. Biol. 58(3): 487-495. Ref. Dec. 1966. 442.8 An72
- 40985 GUILLE, C. T. Cyst chromogenesis in potato cyst eelworm [Heterodera rostochiensis] pathotypes. Plant Pathol. 15(3):125-128. Sept. 1966. 464.8 P692
- 40986 HESLING, J. J. The effect of some microphagous saprobic nematodes on mushroom culture. Ann. Appl. Biol. 58(3):477-486. Ref. Dec. 1966. 442.8 An72
- 40987 JAMES, G. L. Effect of the causal fungus of brown root rot of tomatoes on the hatch of the potato root eelworm, Heterodera rostochiensis Woll. Nature 212(5069):1466. Dec. 24, 1966. 472 N21
- 40988 JIMENEZ MILLAN, F. About the specificity of Tylenchulus semipenetrans Cobb (Nematoda, Tylenchidae) to several species of citrus roots. Real Soc. Espan. Hist. Natur. Bol. Secc. Biol. 64(1):57-62. Ref. 1966. 442.9 S018
- 40989 O'BANNON, J. H. The relationship of the interaction between the citrus nematode (Tylenchulus semipenetrans) and Fusarium spp. to infection of rough lemon (Citrus limon). Diss. Abstr., Sect. B, 27(1):20B. July 1966. Z5055.U49D53
- 40990 PETERSON, L. C., and PLAISTED, R. L. Peconic, a new potato variety resistant to the golden nematode. Amer. Potato J. 43(12):450-452. Dec. 1966. 75.8 P842
Heterodera rostochiensis.

Virus Diseases

- 40991 FULTON, R. W. Mechanical transmission of viruses of woody plants. Annu. Rev. Phytopathol. 4:79-102. 1966. 464.8 An72
- 40992 HOFFEREK, H., and WOLFFGANG, H. Research on metabolic changes in virus-infected plants. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:49-70. Ref., p. 68-70. 1965. 18 D4825T
English summary.
- 40993 KRISTENSEN, H. R. Virus diseases of plants and thermotherapy. (Da) Horticultura 20(12): 171-180. Ref. Dec. 1966. 80 H7825
- 40994 MARTIN, C. Aspects of the biochemistry of virus-diseased plants. (Fr) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:129-132. Ref. 1965. 18 D4825T
German summary.
- 40995 OPEL, H. Research on the physiology of symptom formation in virus-diseased plants. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:83-97. Ref. 1965. 18 D4825T
English summary.
- 40996 YAMAGUCHI, A., and TAKAHASHI, T. The effect of systemic virus infection on the respiration of leaves. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:99-109. Ref. 1965. 18 D4825T
- 40997 YARWOOD, C. E. Heat activation and inactivation of plant viruses. Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:119-124. 1965. 18 D4825T

Virus Diseases - Field Crops

- 40998 BETTO, E., and others. Report of activity, on the methods of purification and the chemical-physical and biological characteristics of tobacco mosaic virus (Common stock). (It) Riv. Patol. Veg. (ser. 4)(4):131-138. Ref. Oct./Dec. 1965. 464.8 R52
- 40999 G. G. Conti, G. Guissani, G. Vegetti, C. Ambrosino, J. Liberatori, G. Papa, P. Redolfi, M. Carrara, G. Conio, J. Hermans, and G. Rialdi, joint authors.
English summary.
- 40999 CHADHA, K. C., and RAYCHAUDHURI, S. P. Interaction between sterility virus and Fusarium udum Butl. in pigeon-pea. Indian J. Agr. Sci. 36(3):133-139. Ref. June 1966. 22 Ag831
- 41000 GILLASPIE, A. G. Characterization of ribonucleic acid from alfalfa mosaic virus and related components. Diss. Abstr., Sect. B, 27(1):19B. July 1966. Z5055.U49D53
- 41001 HAMPTON, R. E., HOPKINS, D. L., and NYE, T. G. Biochemical effects of tobacco etch virus infection on tobacco leaf tissue. I. Protein synthesis by isolated chloroplasts. Phytochemistry 5(6):1181-1185. Ref. Nov. 1966. 450 P5622
- 41002 JOCKUSCH, H. Relations between temperature sensitivity, amino acid replacements, and quaternary structure of mutant proteins. Biochem. Biophys. Res. Commun. 24(4):577-583. Ref. Aug. 23, 1966. 442.8 B5236
Tobacco mosaic virus.
- 41003 LOEBENSTEIN, G., and LOVREKOVICH, L. Interference with tobacco mosaic virus local lesion formation in tobacco by injecting heat-killed cells of *Pseudomonas syringae*. Virology 30(4):587-591. Ref. Dec. 1966. 448.8 V81
- 41004 MARTIN, C., and GALLET, M. New observations on the phenomenon of hypersensitivity to viruses of plants. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(18):1316-1318. Nov. 2, 1966. 505 P21
Tobacco mosaic.
- 41005 NIMS, R. C. A study of disease symptom development in cultured cells of *Nicotiana tabacum* L. var. Samsun NN resulting from the direct cellular injection of tobacco mosaic virus. Diss. Abstr., Sect. B, 27(1):19B-20B. July 1966. Z5055.U49D53
- 41006 NYE, T. G., and HAMPTON, R. E. Biochemical effects of tobacco etch virus infection on tobacco leaf tissue. II. Polyphenol oxidase activity in subcellular fractions. Phytochemistry 5(6):1187-1189. Nov. 1966. 450 P5622
- 41007 PETRAK, Z. Generic resistance of the variety "Dobrovicka C" to the mosaic virus (Beta virus 2 Smith) with regard to the yields of progeny. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):949-956. Ref. Sept. 1966. 64.9 C33
English summary.
Sugar beets.
- 41008 POZSAR, E. I., and KIRALY, Z. On the inhibition of tobacco mosaic virus multiplication by kinetin and adenine in intact tobacco leaves. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:333-343. 1965. 18 D4825T
English summary.
- 41009 SCHACHTER, E. M., BENDET, I. J., and LAUFFER, M. A. Orientation of the RNA in tobacco mosaic virus. J. Mol. Biol. 22(1):165-172. Ref. Dec. 15, 1966. 442.8 J8224
- 41010 SMRZ, J. Virus diseases of diploid and polyploid sugar beets in regard to the resistance of tested varieties. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):993-1002. Sept. 1966. 64.9 C33
English summary.
- 41011 SPRAGUE, G. F., and MCKINNEY, H. H. Aberrant ratio: an anomaly in maize associated with virus infection. Genetics 54(6):1287-1296. Dec. 1966. 442.8 G28
Genetics of barley stripe mosaic transmission.

- 41012 TAKAHASHI, T., and HIRAI, T. Effect of tobacco mosaic virus infection on amino acid incorporation into isolated mitochondria from tobacco leaves. Physiol. Plant. 19(4):888-899. Ref. 1966. 450 P564
- 41013 VAN HOOF, H. A., MAAT, D. Z., and SEINHORST, J. W. Viruses of the tobacco rattle virus group in northern Italy; their vectors and serological relationships. Neth. J. Plant Pathol. 72(5):253-258, map. Ref. 1966. 464.8 T44
Trichodorus as pathogen.
- 41014 VENEKAMP, J. H. On the biosynthesis of tobacco mosaic virus. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 74:41-47. Ref. p.45-47. 1965. 18 D4825T
English summary.

Virus Diseases - Horticultural Crops

- 41015 BAJAJ, Y. P. S., and DIONNE, L. A. Virus X free roots from infected potato plants. Amer. Potato J. 43(10):384. Oct. 1966. 75.8 P842
- 41016 BARUCH, E. R., and QUAK, F. Virus-free plants of Iris Wedgwood obtained by meristem culture. Neth. J. Plant Pathol. 72(5):270-273. Ref. 1966. 464.8 T44
Mosaic virus study.
- 41017 CALVERT, E. L., and HARRISON, B. D. Potato mop-top, a soil-borne virus. Plant Pathol. 15(3):134-139. Ref. Sept. 1966. 464.8 P692
- 41018 CASSAT, T. Trials on thermotherapy of grapes carried out at the C.E.T.A. of Saint Emilion from 1963 to 1966. (Fr) Paris. Acad. Agr. France. Compt. Rend. Heb. Seances 52(12):940-943. June 29, 1966. 14 P215Bc
Obtaining virus-free grafts through the use of tip cuttings.
- 41019 DRIJFHOUT, E., KOOTEN, A. V., and VINK, B. A new method for testing resistance of peas to yellows. (Du) Zaaibelangen 20(15):294-296. Aug. 15, 1966. 61.8 Z1
Virus disease.
- 41020 DUNN, D. B., and HITCHBORN, J. H. The extraction of infectious, high molecular weight RNA from turnip yellow mosaic virus with Ethanol. Virology 30(4):598-607. Ref. Dec. 1966. 448.8 V81
Isolated from Chinese cabbage leaves.
- 41021 ESAU, K., CRONSHAW, J., and HOEFERT, L. L. Relation of beet yellows virus to the phloem and to movement in the sieve tube. J. Cell Biol. 32(1):71-87. Ref. Jan. 1967. 442.8 J828
- 41022 IOTOV, L. Two virus diseases of potatoes, new for Bulgaria. (Bu) Rastenievudni Nauk. 3(7):143-147. 1966. 64.8 R18
German summary.
- 41023 PETERSON, G. W. Western X-disease virus of chokecherry [Prunus virginiana]; transmission and seed effects. Plant Dis. Rep. 50(9):659-660. Sept. 1966. 1.9 P69P
Study to determine if seed transmitted.
- 41024 PLOAIE, P. G. Purification of beet yellows virus for examination in the electron microscope. Rev. Roumaine Inframicrobiol. 2(2):131-140. Ref. 1965. 448.3 R323
- 41025 RUBIN, B. A., and ZELENEVA, I. V. Some peculiarities of respiration of cucumber leaves infected with cucumber mosaic virus. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:142-146. 1965. 442.8 N22
- 41026 RUBIO-HUERTOS, M., and VELA-CORNEJO, A. Light and electron microscopy of virus inclusions in *Amaranthus lividus* cells. Protoplasma 62(2/3):184-193. Ref. 1966. 442.8 P94
- 41027 SALVIOLI, R. A. Tomato varieties and their tolerance to spotted wilt. (Sp) Rev. Agron. Noroeste Argent. 4(2):195-203. Ref. 1965. 9 R3222
Virus disease.

Physiological Diseases

- 41029 BHATTACHARYYA, D. P., and SIRCAR, S. M. Studies on the physiology of the rice plant. XVII. Nutrient-deficiency symptoms and metabolism of leaves at different stages of maturity. Indian J. Agr. Sci. 86(2):47-66. Ref. Apr. 1966. 22 Ag831
- 41029 CUSHMAN, H. E. Leaf survey reveals nutrient deficiencies. Agrichem. West 9(12):16. Dec. 1966. 381 Ag85
In pears.
- 41030 KAUL, O. N., SRIVASTAVA, P. B. L., and BORA, N. K. S. Diagnosis of mineral deficiencies in sal (*Shorea robusta* Gaertn.) seedlings. Indian Forest. 92(11):704-706. Ref. Nov. 1966. 99.8 In2
- 41031 LEE, K. W., WHITTLE, C. M., and DYER, H. J. Boron deficiency and translocation profiles in sunflower. *Physiol. Plant* 19(4):919-924. Ref. 1966. 450 P564
- 41032 MAERTENS, C., and COURAU, M. Observations concerning the mishaps of the peach tree attributed to asphyxia. (Fr.) Paris. Acad. Agr. France. Compt. Rend. Held. Seances 52(12): 874-886. June 29, 1966. 14 P215Bc
Root damage generally caused by water-logging in soils.
Includes discussion.
- 41033 MILLIKAN, C. R., and HANGER, B. C. Calcium nutrition in relation to the occurrence of internal browning in brussels sprouts. Australian J. Agr. Res. 17(6):863-874. Ref. Nov. 1966. 23 Au783
Physiological.
- 41034 MUKERJI, S. K. Reducing fruit drop in West Bengal. World Crops 18(3):34. Sept. 1966. 281.8 W892
With naphthalene acetic acid, alpha.
- 41035 NAKAIDZE, I. A. Factors causing grape chlorosis on Calcareous soils in Georgia. (Rus) Agrokhimiya 2:92-103. Ref. Feb. 1966. 385 Ag89
- 41036 WEIR, R. G., NOONAN, J. B., and BOYLE, J. W. Molybdenum deficiency in maize. Agr. Gaz. New S. Wales 77(10):578-582.4 of cover. Oct. 1966. 23 N472
- 41037 WENZL, H. Yellowing of potatoes. (Ge) Pflanzenschutz 18(12):125. Dec. 1, 1965. 464.9 P482
Caused by nitrogen deficiencies.

Injuries

- 41039 ALI, S. A. E., and KESAVADAS, P. A note on the rat control campaign in Kumbalangi Village. Plant Protect. Bull. 17(1/2):43. 1965. 421 P69
Pest of rice and coconuts.
- 41039 BADIEI, A. A. Physiological aspects of movement and toxicity of 2,4,5-trichlorophenoxyacetic acid in blackjack oak. Diss. Abstr., Sect. B, 27(1):51B. July 1966. Z5055,U49D53
- 41040 BULL, P. C. How chemicals are being used to combat damage by birds. Service [New Plymouth], Spring 1966:22-23. 385 S66
In agricultural areas.
- 41041 DODSON, P. G. C. Damage to citrus fruit by wind. S. Afr. Citrus J. 39:5,7,11. Sept. 1966. 80 C495
- 41042 ENGSTEDT, G. Winter problems in the garden. (Sw) Kalmar Lans Husallningssallsk. Tidsskr. 1:9-11. 1966. 11K123
Chiefly on plant protection from cold.
- 41043 HOUNAM, C. E. Frost and plant protection; practices and developments in U.K. and West Europe, 1962. Melbourne, 1965. 18 p. (Australia. Bureau of Meteorology. Working Paper 64/1102) SB781.H6
- 41044 IL'IN, A. M. Effect of vapors of butyl ether of 2,4-D on trees and shrubs. (Rus) Nauch. Dok. Vysheishi Shkoly. Biol. Nauk. 2:170-172. 1965. 442.8 N22
Injurious effects.
- 41045 KAMEL, A. H., and HAGGAG, Y. M. The phytotoxicological effect of carbon bisulphide and ethylene dichloride-carbon tetrachloride mixture when treating seeds on the occurrence of stunted germination. Agr. Res. Rev. 43(4):55-58. Oct. 1965. 24 Eg94
Use of fumigants on grain in United Arab Republic.
- 41046 KAWATA, S. Reigai; sono soko ni hisomu mono [Cold-weather damage; its roots there-under]. Tokyo, Ie no Hikari Kyokai, 1965. 218 p. S600.K3
Effects of cold weather on field crops.
- 41047 KEMP, W. S. Many devices have been used for bird scaring. New Zeal. J. Agr. 113(4):66-67,69,71. Oct. 1966. 23 N48J
Pests of fruit.
- 41048 KOZEL, J. Problem of air pollution in the Trutnov area. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:137-156. Ref. 1965. S804.A1V9
English summary.
Effects on plants and soils.
- 41049 LANDAU, E. The public control of air pollution: a case study in agriculture. Diss. Abstr., Sect. A, 27(5):1161A. Nov. 1966. Z5055,U49D5
Effects on crops and livestock.
- 41050 LANGE, H., and ROSENSTOCK, G. Wound healing in plants. II. Are there wound hormones? (Ge) Umschau 65(8):244-248. Apr. 15, 1965. 474 Um7
- 41051 LONERAGAN, J. F., CARROLL, M. D., and SNOWBALL, K. Phosphorus toxicity in cereal crops. Australian Inst. Agr. Sci. J. 32(3):221-223. Ref. Sept. 1966. 23 Au74
Wheat and oats.
- 41052 MALY, V. Air pollution in the Ostrava region and its effect on the agricultural production. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:111-135. Ref. 1965. S804.A1V9
English summary.
Effects on plants and soils.
- 41053 MATTHEWS, A. A. Assessing the extent of frost damage. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):32-33. July 1, 1966. 65.9 Q3C
- 41054 NAQVI, S. N., HAMID, Q., and HASAN, S. J. Study of freezing temperatures in late spring at Quetta. Agr. Pakistan 16(3):281-297. Sept. 1965. 22 Ag832
Damage to fruits and vegetables.
- 41055 POPA, V., and others. The influence of low temperature on grapes and the effect of its control on yields. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:563-592. Ref. 1963/64, pub. 1966. 86 P862
M. Neagu, L. Valeanu, M. Oslobanu, I. Poenaru, N. Podoleanu, E. Dragomir, E. Popa, V. Duschin, I. Grecu, Z. David, G. Calistru, G. Gorodea, I. Armasescu, G. Metaxa, G. Popescu, V. Secara, M. Baractaru, S. Oprea, G. Vladu, and T. Bucoveanu, joint authors.
French summary.
- 41056 SHAW, M. W., and BLACKETT, G. A. Unusual frost injury to winter sown wheat and barley. Plant Pathol. 15(3):119-120. Sept. 1966. 464.8 P692
- 41057 SINGH, S. M., HARRIS, H. M., and BATRA, H. N. Campaign against rats taken up in Hathras Block I.A.D.P. District, Aligarh (U.P.). Plant Protect. Bull. 17(1/2):30-33. 1965. 421 P69
Field crop pests.
- 41058 SOERJOBROTO, W. Lightning strike in Hevea plantings. (In) Menara Perkebunan 34(11/12): 243-246. Nov./Dec. 1965. 22.5 B45
English summary.
- 41059 STEPHEN, W. J. D. Bionomics of the sandhill crane. Diss. Abstr., Sect. B, 27(5):1346B-1347B. Nov. 1966. Z5055,U49D53
Pests of growing grain.
- 41060 STRAKA, F. Study of biology of field mice, Apodemus microps Krat. et Ros. (Bu) Rastenijski Nauk. 3(7):59-68. 1966. 64.8 R18
German summary.
Field crop pest.

- 41061 THIES, H. Measures for warding off bud eating birds. (Ge) *Lebendige Erde* 4:176-177. July/Aug.1966. 18 L49
- 41062 WEAVER, M. L., STEEN, H. A., and NILSEN, K. N. Quantitative measurement of discoloration pigment in injured potato tissue by densitometry. *Amer. Potato J.* 43(11):412-417. Nov.1966. 75.8 P842
- 41063 WOODS, J. A. Habitat and food preferences of cane rats. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):25. July 1, 1966. 65.9 Q3C
- 41064 WRIGHT, J. O. Greenfinches and poppy seed-heads. *Roy. Hort. Soc. J.* 92(1):37. Jan.1967. 84 L84J

SYSTEMATIC AND GEOGRAPHIC BOTANY

- 41065 ARGUS, G. W. Botanical investigations in northeastern Saskatchewan: the subarctic Patterson-Hasbala Lakes region. *Can. Field-Natur.* 80(3):119-143, map. Ref. July/Sept. 1966. 410.9 O18
- 41066 CHESHMEDZHIEV, I. V. Materials and notes on Bulgarian flora. (Bu) *Vish Selskostonanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):53-57. Ref. 1965. 106.3 P72
German summary.
- 41067 ESTABROOK, G. F. A mathematical model in graph theory for biological classification. *J. Theor. Biol.* 12(3):297-310. Ref. Dec.1966. 442.8 J8223
Plants.
- 41068 GOLLERBAKH, M. M. Principal problems of systematics of cryptogamous plants at contemporary stage. (Rus) *Zhur. Obshch. Biol.* 26(4):397-404. July/Aug.1965. 442.8 Z6
English summary.
- 41069 HOUNSELL, R. W., and SMITH, E. C. Contributions to the flora of Nova Scotia. VIII. Distribution of Arctic-alpine and Boreal disjuncts. *Rhodora* 68(776):409-419, map. Oct./Dec.1966. 450 R34
- 41070 KANODIA, K. C., and MALICK, K. C. New plant records and critical notes on some plants from South Bihar. *Indian Forest.* 92(11):707-708. Nov.1966. 99.8 In2
- 41071 KIKUCHI, M., MOCHIZUKI, K., and TAKAHASHI, M. On the flora of Mt. Goyo, Iwate-ken, Japan. (Ja) *J. Geobot.* 14(1):14. Aug. 1965. 450 H68
- 41072 LINDSEY, A. A. The Indiana of 1816. In *Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.x-xxix.* Ref. 1966. QH105.L6L5
Includes flora.
- 41073 LOUSLEY, J. E., comp. Botanical records for 1965. *London Natur.* 45:17-21. 1966. 420 L84J
- 41074 LOVE, A., and LOVE, D. Cytotaxonomy of the alpine vascular plants of Mount Washington. *Colo. Univ. Stud. Ser. Biol.* 24.74 p. Dec.1966. 442.9 C71
Bibliography, p.57-64.
- 41075 SANTAPAU, H., and JAIN, S. K. Some new combinations relevant to the flora of India. *Indian Forest.* 92(10):643. Oct.1966. 99.8 In2
- 41076 SOO, R. Species et combinationes novae florum Europae praecipue Hungariae, V. *Acta Bot.* 12(3/4):355-367. 1966. 450 Ac823
Text in German.
- 41077 TAKHTAZHYAN, A. L. Theoretical and practical significance of plant systematics and pathways of its development. (Rus) *Zhur. Obshch. Biol.* 26(4):385-396. Ref. July/Aug. 1965. 442.8 Z6
English summary.
- 41078 UTE, K., and NAITO, K. On the flora of Island of Nijijima, Izu Province. (Ja) *J. Geobot.* 14(1):27-32. (Cont.) Aug.1965. 450 H68
- 41079 WELCH, W. H. Lower green land plants. In *Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.223-255.* Ref. 1966. QH105.L6L5
Lichens, liverworts, mosses, ferns.

Spermatophytes

- AUSLAND, T. Yew has old and rich traditions. (No) *Skogseieren* 5:19. Aug.1966. 99.81 Sk5
- 41080 BANGERTER, E. B. A survey of *Calystegia* in the London area: fourth progress report. 1965. *London Natur.* 45:22-24. 1966. 420 L84J
- 41081 *Calystegia sepium*, *C. silvatica*, and their hybrids.
- 41082 BENL, G. Contribution to a revision of the genus *Ptilotus* (Amaranthaceae). 5. (Ge) *Munich. Bot. Staatssamml. Mitt.* 5:563-569. Oct.31,1965. 451 M92
- 41083 BRAYSHAW, T. C. The names of yellow birch [*Betula lutea*] and two of its varieties. *Can. Field-Natur.* 80(3):160-161. July/Sept.1966. 410.9 O18
- 41084 BRISTOL, M. L. Notes on the species of tree *Dauras*. *Harvard Univ. Bot. Mus. Leaflet* 21 (8):229-248. Ref. Dec.30,1966. 451 H262
- 41085 BURCH, D. The genus *Poinsettia* [Euphorbia pulcherrima] (Euphorbiaceae) in Florida. *Mo. Bot. Gard. Ann.* 53(3):375-376. 1966. 451 M69
- 41086 CORRELL, D. S. Some additions and corrections to the flora of Texas. III. *Rhodora* 68 (776):420-428. Oct./Dec.1966. 450 R34
Includes n. spp. in *Sesuvium*, *Frankenia*, and *Proboscidea*.
- 41087 COWAN, R. S. *Candolleodendron*, a new genus of the Leguminosae (Caesalpinioideae). *Rhodora* 68(776):429-432. Oct./Dec.1966. 450 R34
- 41088 DAMBOLDT, J., and PHITOS, D. A contribution to the cytotaxonomy of the genus *Silene* L. in Greece. (Ge) *Osterr. Bot. Z.* 113(2):169-175. Ref. 1966. 450 Os7
- 41089 DEGENER, O., and DEGENER, I. Partial review of Doty & Mueller-Dombois' Atlas, and new taxa in Hawaiian Rubiaceae. *Phytologia* 14 (4):213-215. Jan.1967. 450 P563
- 41090 DICKSON, W. C. Comparative morphological studies in Dilleniaceae. I. Wood anatomy. *Arnold Arboretum, J.* 48(1):1-29. Ref. Jan. 1967. 451 Ar6J
Taxonomic study.
- 41091 DVORAK, F. *Hesperis trullata* sp. nova. *Osterr. Bot. Z.* 113(2):176-180. 1966. 450 Os7
Text in Latin.
German summary.
- 41092 DVORAK, F. Notes on the species *Hesperis pulmonarioides* Boiss. *Osterr. Bot. Z.* 113(2):181-186. 1966. 450 Os7
Taxonomy.
- 41093 DWYER, J. D. Dukea, a new genus of the Rubiaceae (tribe Mussaendeae). *Mo. Bot. Gard. Ann.* 53(3):360-367. 1966. 451 M69
Includes n. spp.
- 41094 DWYER, J. D. Notes on Coussarea (Rubiaceae), especially the Panamanian species. *Mo. Bot. Gard. Ann.* 53(3):368-374. 1966. 451 M69
Includes *Coussarea cerroazulensis*, n. sp.
- 41095 DWYER, J. D., and HAYDEN, M. V. Three new species of *Neea* (Nyctaginaceae) from Panama. *Phytologia* 14(3):137-139. Dec.1966. 450 P563
Neea elegans, *dariensis* and *amplexicaulis*.
- 41096 EDLIN, H. L. A modern sylva or a discourse of forest trees. 20. Pines from overseas: *Pinus* genus. *Quart. J. Forest.* 61(1):32-41. Jan.1967. 99.8 Q2
- 41097 EDWIN, G. *Ilex discolor* var. *lamprophylla* (Standl.) Edwin, stat. nov. (Aquifoliaceae). *Mo. Bot. Gard. Ann.* 53(3):376. 1966. 451 M69
- 41098 ELIAS, T. S. A new species of *Inga* (Leguminosae) from Panama. *Mo. Bot. Gard. Ann.* 53(3):377. 1966. 451 M69
Inga tsonilii.
- 41099 ELIAS, T. S. Notes on the genus *Inga*. *Phytologia* 14(4):205-212. Jan.1967. 450 P563
Includes new spp.
- 41100 ERICKSON, R. Orchids of the West. Ed. 2. *Perth, Brokensha*, 1965. 107 p. Ref. QK485.O64E7
Key to spp. of Western Australia.

- 41101 GILLI, A. New finds of the Orobanchaceae in the Mediterranean area. (Ge) Osterr. Bot. Z. 113 (2):211-216. 1966. 450 Os
- GRAU, J. Cytotaxonomic revision of the genus *Myosotis* L. I. Atlantic races of *Myosotis secunda* A. Murr. (Ge) Munich. Bot. Staats-samm. Mitt. 5:675-688. Ref. Oct.31,1965. 451 M92
- 41103 GUEVARA, A. E., and KING, R. M. Vernacular names for some species of Colombian Compositae. *Phytologia* 14(3):129-136. Dec.1966. 450 P563
- 41104 HAMANN, U. Embryologische, morphologische-anatomische und systematische Untersuchungen an Phylidraceae [Embryological, morphological-anatomical, and systematic investigations of Phylidraceae]. Berlin, 1966. 178 p.,map. 450 W66
English summary.
Bibliography: p.167-176.
- 41105 HEISER, C. B., and HUMBLE, J. Higher plants. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.258-263. 1966. QH105.16L5
- 41106 HELLER, A. H., and HAWKES, A. D. Nicaraguan orchid studies. *Phytologia* 14(1):1-35. Nov.1966. 450 P563
Includes n. spp. in Epidendrum, Lepanthes, Pleurothallis, Sobralia, Vanilla, and Helleriella n. g.
- 41107 HILLIS, W. E. Polyphenols in the leaves of *Eucalyptus* L'Herit: A chemotaxonomic survey. I. Introduction and a study of the series globulares. *Phytochemistry* 5(6):1075-1090. Ref. Nov.1966. 450 P5622
- 41108 HILLIS, W. E., and INOUE, T. The polyphenols of *Nothofagus* species. II. The heartwood of *Nothofagus fusca*. *Phytochemistry* 5(1):59-67. Ref. Jan.1967. 450 P5622
Chemotaxonomy.
- 41109 HOGDON, A. R., and STEELE, F. *Rubus subgenus Eubatus* in New England—a conspectus. *Rhodora* 68(776):474-513. Ref. Oct./Dec.1966. 450 R34
- 41110 JAIN, S. K. Notes on Indian grasses. III. A new form of *Cynodon barberi* Rang. et Tad. *Indian Forest*. 92(11):699-700. Nov.1966. 99.8 In2
- 41111 JAYAWERANA, D. M. A. The genus *Duabanga*. *Arnold Arboretum*. J. 48(1):89-100. Ref. Jan. 1967. 451 Ar63
Includes *Duabanga taylorii* n. sp.
- 41112 KLOZ, J., KLOZOVA, E., and TURKOVA, V. Protein characters and relationship between *Phaseolus vulgaris* ssp. *aborigineus* Burk. and related taxa of the genus *Phaseolus*. *Biol. Plant*. 8(3):187-196. Ref. 1966. 450 B52
- 41113 KOSTOV, K. Identification of some, difficult to distinguish in their flowerless stage, meadow grasses according to anatomical structure of leaf plates. (Bu) *Viss. Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):223-230. 1965. 106.3 P72
German summary.
In relation to taxonomy.
- 41114 KOVACHEV, I. Contribution to the study of the genus *Gladiolus* L. (Bu) *Viss. Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):59-67. Ref. 1965. 106.3 P72
German summary.
Taxonomy.
- 41115 KRESS, A. Cytotaxonomy of the Androsace-Vitaliana-Douglasia association. (Ge) Munich. Bot. Staatssamm. Mitt. 5:653-674. Ref. Oct.31,1965. 451 M92
- 41116 LANG, J. M. The Labiatae of Arkansas. *Ark. Acad. Sci. Proc.* 20:75-84. Ref. 1966. 500 Ar42
- 41117 LEWIS, W. H. Typification of *Hedyotis procumbens* (Rubiaceae) and a new variety from southeastern United States. *Mo. Bot. Gard. Ann.* 53(3):377-378. 1966. 451 M69
- 41118 LIN, W. F., and LIU, T. T'ai-wan k'o tou k'o chih wu fen lei chih yen chiu. Studies on the classification of Fagaceae in Taiwan. *Taiwan Forest. Res. Inst. Bull.* 110,59 p. July 1965. 99.9 F7652
- 41119 LONG, R. W. Observations regarding the occurrence and relationships of *Ruellia lorentziana* (Acanthaceae) in southern Florida. *Rhodora* 68(776):432-434. Oct./Dec.1966. 450 R34
- 41120 MADALSKI, J. Cruciferae. 3. *Polska Akad. Nauk. Inst. Bot. Atlas Flory Polskiej Ziemi Osciennych* 9(4),51 p. 1966. 450 P76
- 41121 MASAMUNE, G., and SATOMI, N. Distribution maps of Orchidaceae in Japan. (Ja) *J. Geobot.* 14(1):1, map. Aug.1965. 450 H68
- 41122 MCWILLIAM, L. Observations on occurrence and range of three species of Dentaria (Cruciferae) in the Ouachita Mountains. *Ark. Acad. Sci. Proc.* 20:22-24. 1966. 500 Ar42
Dentaria laciniata, D. heterophylla, and D. multifida.
- 41123 MECKLENBURG, H. C. Inflorescence hydrocarbons of some species of *Solanum* [tuberosum] L., and their possible taxonomic significance. *Phytochemistry* 5(6):1201-1209. Ref. Nov.1966. 450 P5622
- 41124 MELCHERT, T. E. Chemo-demes of diploid and tetraploid *Thelesperma simplicifolium* (Heliantheae, Coreopsideae). *Amer. J. Bot.* 53(10):1015-1020, map. Nov./Dec.1966. 450 Am36
- 41125 MERXMULLER, H. Compositae studies. VII. *Othonna* in South West Africa. (Ge) Munich. Bot. Staatssamm. Mitt. 5:627-643. Oct.31,1965. 451 M92
Includes n. spp.
- 41126 MERXMULLER, H., and SCHREIBER, A. Three misidentified *Monsonia* species from the southern Namib Desert. (Ge) Munich. Bot. Staatssamm. Mitt. 5:551-562, map. Oct.31,1965. 451 M92
Monsonia deserticola, *M. drudeana*, and *M. ignorata*.
- 41127 MEUSEL, H., and OHLE, H. On the taxonomy and cytology of the genus *Calandula*. (Ge) Osterr. Bot. Z. 113(2):191-210. 1966. 450 Ost
- 41128 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. III. *Phytologia* 14(1):36-63. Ref. Nov.1966. 450 P563
- 41129 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. IV. *Phytologia* 14(2):99-128. Ref. Dec.1966. 450 P563
- 41130 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. V. *Phytologia* 14(3):140-192. Ref. Dec.1966. 450 P563
- 41131 MOLDENKE, H. N. Additional materials toward a monograph of the genus *Callicarpa*. VI. *Phytologia* 14(4):218-256. Ref. Jan.1967. 450 P563
- 41132 MOLDENKE, H. N. Further novelties in the Verbenaceae. *Phytologia* 14(4):216-218. Jan. 1967. 450 P563
Includes n. spp. in *Lantana*.
- 41133 NELSON, E. The organophyletic nature of the orchid labellum. (Ge) *Bot. Jahrbuch* 84(2): 175-214. Ref. Apr.12,1965. 450 En3B
English summary.
- 41134 NORLINDH, T. Contribution to the knowledge of the Calanduleae in South West Africa. (Ge) Munich. Bot. Staatssamm. Mitt. 5:645-651. Oct.31,1965. 451 M92
- 41135 NOVOTNY, L., and others. Contribution to the chemotaxonomy of some European Petasites species. *Phytochemistry* 5(6):1281-1287. Ref. Nov.1966. 450 P5622
J. Toman, F. Stary, A. D. Marquez, V. He-roout, and F. Sorm, joint authors.
- 41136 OOSTSTROOM, S. J. VAN, and REICHGELT, T. J. Adventitious and escaped *Calandrinia* varieties in the Netherlands. (Du) *Gorteria* 3(6):87-89. Nov.1,1966. 450 G68
English summary.
- 41137 OOSTSTROOM, S. J. VAN. A new variety of *Solanum triflorum* Nutt. (Du) *Gorteria* 3(6): 90-91. Nov.1,1966. 450 G68
English summary.

- 41138 PHITOS, D. Three new species from Greece. (Ge) Osterr. Bot. Z. 113(2):271-272. 1966. 450 Os7
Petrorhagia suffruticosa n. sp., Stachys pangaea n. sp., and Leontodon hellenicus n. sp.
- 41139 RAIKADA, M. B., and JAIN, S. K. Grasses of the upper Gangetic plain—Pooideae. Indian Forest. 92(10):637-642. Ref. Oct.1966. 99.8 In2
- 41140 ROESSLER, H. Two new Scrophulariaceae from South West Africa. (Ge) Munich. Bot. Staatssamml. Mitt. 5:689-691. Oct.31,1965. 451 M92
Nemesia violiflora n. sp. and Walafrida pusilla n. sp.
- 41141 ROLLINS, R. C. The identity of Sisymbrium pauciflorum (Cruciferae). Rhodora 68(776):513-514. Oct./Dec.1966. 450 R34
- 41142 SCHLICK, W. Pontic Azalea. (Ge) Kosmos 62(7):289-292. July 1966. 474 K842
Distribution of Rhododendron luteum.
- 41143 SCOTT, B. D. Gas chromatography as a tool in the biosystematic study of certain members of the Andropogoneae (Gramineae). Diss. Abstr., Sect. B, 27(1):57B. July 1966. Z5055.U49D53
- 41144 SMIRNOVA, E. S. Types of seed structure in phanerogamous plants in the phylogenetic aspect. (Rus) Zhur. Obshch. Biol. 25(3):310-325. Ref. May/June 1965. 442.8 Z6
English summary.
In relation to taxonomy.
- 41145 SMITH, G. L. Spargelia morisonii in America. Rhodora 68(776):520-521. Oct./Dec.1966. 450 R34
- 41146 SPITZER, J. C. The taxonomically significant constituents of two Compositae plants. Aster spinosus Benth. (spiny aster). Artemisia carruthii Wood var. wrightii (Gray) Blake (carruth sagebrush). Diss. Abstr., Sect. B, 27(1):117B. July 1966. Z5055.U49D53
- 41147 SWALLEN, J. R. Notes on grasses. Phytologia 14(2):65-98. Dec.1966. 450 P563
Includes n. spp. in Panicum, Ichnanthus, Olyra, Sacciolepis, Imperata, Eriochrysis, Trachypogon, and Sorgastrum.
- 41148 THOMPSON, H. J., and ERNST, W. R. Floral biology and systematics of Eucnide (Loasaceae). Arnold Arboretum, J. 48(1):56-88, map. Jan. 1967. 451 Ar6J
- 41149 UTKIN, V. V. Seeds of wild vetches [Vicia] of Crimea. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:101-110. Ref. 1965. 442.8 N22
Morphology of seeds as key to species classification.
- 41150 VLIET, D. J. VAN. Notocactus and relatives. (Dut) Succulenta 45(12):183-185. (Concl.) Dec.1966. 450 Su12
- 41151 VOSS, E. G. Nomenclatural notes on monocots. Rhodora 68(776):435-463. Oct./Dec.1966. 450 R34
- 41152 VRIES, B. DE. Iris missouriensis Nutt. in southwestern Alberta and in central and northern British Columbia. Can. Field-Natur. 80(3):158-160, map. July/Sept.1966. 410.9 O8
- 41153 WELSH, S. L. Common Utah plants. Ed. 2. Provo, Utah, Brigham Young University Press, 1965. 312 p. QK189.W4
Spermatophyta and Pteridophyta; identification and taxonomy.
- 41154 WOLFRAM, H. W., and MARTIN, M. A. Big sagebrush [Artemisia tridentata] in Fresno county, California. J. Range Manage. 18(5):285-286. Sept.1965. 60.18 J82
- 41155 YUNCKER, T. G. New species of Piper and Peperomia (Piperaceae) from Peru. Mo. Bot. Gard. Ann. 53(3):381-384. 1966. 451 M69
- 41156 YUNCKER, T. G. New Piperaceae from Ecuador. Mo. Bot. Gard. Ann. 53(3):379-381. 1966. 451 M69
Includes Piper dodsonii, n. sp., P. nebuligaudens, n. sp., and Peperomia thienii, n. sp.
- Pteridophytes
- 41157 KURATA, S. Notes on Japanese ferns. (Jap) J. Geobot. 14(1):2-6. Aug.1965. 450 H68
Text also in Latin.
- 41158 PROCTOR, G. R. Notes on Lesser Antillean ferns. II. Rhodora 68(776):464-469. Oct./Dec. 1966. 450 R34
Includes Grammitis stipitata, n. sp., Thelypteris cooley, n. sp. and Diplazium legalloii.
- Bryophytes
- 41159 DEL ROSARIO, R. M. A new species of Astrella from Mexico. Rhodora 68(776):470-473. Oct./Dec.1966. 450 R34
Astrella evansii, n. sp.
- 41160 GROLLE, R. Herzogobryum, a leafy genus of Hepaticae with dorsal indented merophytes. (Ge) Osterr. Bot. Z. 113(2):220-234. 1966. 450 Os7
English summary.
Includes Herzogobryum molle n. sp.
- 41161 NAGARAJ, M. Occurrence of Marchantia at Srirangapatna, Mysore State. Cur. Sci. 35(19):497-498. Oct.5,1966. 475 Sci23
- 41162 PURSELL, R. A. Notes on American Eriopodiae, with descriptions of two new species. Bryologist 69(4):461-471. Winter 1966. 450 B84
Aulacopilum brittneae n. sp. and Eriopodium acrifolium n. sp.
- 41163 REED, C. F., and ROBINSON, H. Some Bryophytes from the highlands of Mexico. Phytologia 14(4):193-204. Jan.1967. 450 P563
Includes n. spp. in Metzgeria.
- 41164 WANG, C. K. Phytogeography of the mosses of Formosa. Diss. Abstr., Sect. B, 27(1):59B. July 1966. Z5055.U49D53
- Algae
- 41165 ANDERSON, R. G., and SINCLAIR, C. B. Additional information on Basidiella crassa Hoffmann and Tilden. Ark. Acad. Sci. Proc. 20:25-31. Ref. 1966. 500 Ar42
- 41166 DAILY, W. A., and DAILY, F. K. Algae. In Lindsey, A. A., ed. Natural features of India-na, a symposium, p.181-199. Ref. 1966. QH105.L6L5
Includes taxonomy and collecting.
- 41167 FENWICK, M. G. Some rare and interesting algae from Port Nadium, N. W. T. Canada. Amer. Microscop. Soc. Trans. 85(3):477-480. July 1966. 440.9 Am33
Cyanophyceae, Gloeocystis and Glaucocystis nostochinearum.
- 41168 FREUDENTHAL, A. M. Studies on the phytoplankton of the Tackapausha Preserve water system, Long Island, New York. Diss. Abstr., Sect. B, 27(5):1370B-1371B. Nov.1966. Z5055.U49D53
- 41169 HOPKINS, T. L. The plankton of the St. Andrew Bay System, Florida. Tex. Univ. Inst. Mar. Sci. Publ. 11:12-64, map. Ref. Nov.1966. 442.9 T31
Phytoplankton.
- 41170 MANN, J. E., and SCHLICHTING, H. E. Benthic algae of selected thermal springs in Yellowstone National Park. Amer. Microscop. Soc. Trans. 86(1):2-9. Ref. Jan.1967. 440.9 Am33
- 41171 SCHUMACHER, G. J., and others. Additions to the fresh-water algae in North Carolina. VII. Elisha Mitchell Sci. Soc. J. 82(2):131-138. Ref. Nov.1966. 500 EL4
Y. C. Kim, L. A. Whitford, and G. E. Dillard, joint authors.
- 41172 SMITH, R. L. Morphological, taxonomic, and physiological investigations of the algal genera Eremosphaera and Oocystis. Diss. Abstr., Sect. B, 27(1):58B. July 1966. Z5055.U49D53
- 41173 SOURNIA, A. Intraspecific variability of the genus Ceratium in marine environment. (Fr) Acad. Sci. Compt. Rend. Ser. D. 263(25):1980-1983. Ref. Dec.19,1966. 505 P21
- 41174 STOLBUNOV, A. K. Dynamics of algal flora in the Kuban River and its tributaries along the long axis of the river. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:104-107. 1965. 442.8 N22

- 41175 WHITTON, B. A. Algae in St. James's Park Lake. London Natur. 45:26-28, 1966. 420 L843
- 41176 WOODSON, B. R., HOLOMAN, V. A., and QUICK, A. Additions to fresh-water algae in Virginia. II. Dinwiddie County. Elisha Mitchell Sci. Soc. J. 82(2):154-159. Nov.1966. 500 EL4

Fungi (Including Lichens)

- 41177 BAHEKAR, V. S. Notes on some new fungi from India. Mycopathol. Mycol. Appl. 30(2): 152-154. Nov.10,1966. 450 M994
Includes Chaetomella tinosporae n. sp., and Oularia marathwadensis, n. sp.
- 41178 DAS-GUPTA, S. N., and SHOME, U. Acaulopore pectospora Drech., a new record from Indian soils. Mycopathol. Mycol. Appl. 30(2): 145-148. Nov.10,1966. 450 M994
- 41179 DESHPANDE, K. B., and DESHPANDE, K. S. Multicladium, a new genus of Dermatiaceae from soil. Mycopathol. Mycol. Appl. 30(2):184-186. Nov.10,1966. 450 M994
Multicladium digitatum, n. g. n. sp.
- 41180 DESHPANDE, K. B., and MANTRI, J. M. A new species of Peyronellaea from Indian soil. Mycopathol. Mycol. Appl. 30(3/4):341-344. Dec.1,1966. 450 M994
Includes Peyronellaea indianensis, n. sp.
- 41181 DESHPANDE, K. B., and DESHPANDE, K. S. Saprothragma: a new Hyphomycete from soils of Marathwada. Mycopathol. Mycol. Appl. 30(3/4):200-202. Dec.1,1966. 450 M994
Saprothragma acerosiae, n. g., n. sp.
- 41182 GARG, A. K. An addition to the genus Chrysosporium Corda. Mycopathol. Mycol. Appl. 30(3/4):221-224. Dec.1,1966. 450 M994
Includes Chrysosporium lucknowense n. sp.
- 41183 HENNEN, J. F. Fleshy fungi. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.200-210. Ref. 1966. QH105.16L5
- 41184 IBRAHIM, I. A., and FARAG, S. A. A study on some fungi isolated from grains of Egyptian maize-varieties. Alexandria J. Agr. Res. 13(2):401-413. Ref. July 1965. 24 AL2
- 41185 IBRAHIM, I. A., and FARAG, S. A. A study on some fungi isolated from grains of Egyptian rice varieties. Alexandria J. Agr. Res. 13(2): 427-437. July 1965. 24 AL2
- 41186 KALAMEES, K. Suillus sibiricus in Estonia. (Es) Eesti Loodus 2:118. Mar./Apr.1966. 409.6 Ee7
- 41187 LEISNER, T. A rare mushroom [Entoloma sinuatus] find in Estonia. (Es) Eesti Loodus 3:175. May/June 1966. 409.6 Ee7
- 41188 MAZZUCCHETTI, G. Two new species of Chaetomium. (It) Mycopathol. Mycol. Appl. 30(3/4):337-340. Dec.1,1966. 450 M994
Chaetomium anguipillioides, n. sp. and C. parvotrichum n. sp.
- 41189 NEGRU, A., and VERONA, O. Mycological contributions to the knowledge of the spermatophyte of germinating seeds. (Fr) Mycopathol. Mycol. Appl. 30(3/4):305-313. Ref. Dec.1,1966. 450 M994
English summary.
Includes n. spp. in Sirophoma, Pyrenochaeta, and Vienneotidia, n. g.
- 41190 PANTIDOU, M. E., and GROVES, J. W. Cultural studies of Boletaceae-some species of Suillus and Fuscoboletinus. Can. J. Bot. 44(10): 1371-1392. Ref. Oct.1966. 470 C16C
Identification.
- 41191 PAVGI, M. S., and UPADHYAY, H. P. Parasitic fungi from north India. VI. Mycopathol. Mycol. Appl. 30(3/4):257-260. Dec.1,1966. 450 M994
Includes Phoma dracienae, n. sp. and Gloeosporium araliae, n. sp.
- 41192 PAVGI, M. S., and SINGH, U. P. Parasitic fungi from north India. VII. Mycopathol. Mycol. Appl. 30(3/4):261-270. Ref. Dec.1,1966. 450 M994
Includes n. spp. in Cercospora, Epicoccum, Phoma, Stigmata, Cercoseptoria, Sphaeceloma, and Phyltaena.

- 41193 PAVGI, M. S., SINGH, R. A., and DULAR, R. Some parasitic fungi on rice from India. II. Mycopathol. Mycol. Appl. 30(3/4):314-322. Ref. Dec.1,1966. 450 M994
Includes Trichoconis indica n. sp. and Myrothecium indicum n. sp. as pathogens.
- 41194 POELT, J. On some species groups of the lichen genera Caloplaca and Fulgensia. (Ge) Munich. Bot. Staatssamml. Mitt. 5:571-607, map. Ref. Oct.31,1965. 451 M92
- 41195 RAGHUNATH, T. Comparative studies into two isolates of Alternaria affecting Umbelliferae. Mycopathol. Mycol. Appl. 30(3/4):209-215. Dec.1,1966. 450 M994
Includes Alternaria umbellifericola n. sp. and A. poonensis n. sp.
- 41196 ROLL-HANSEN, F. Some notes on Microsphaera hypophylla Nevodovskij. Norway. Skogforsoksv. Medd. 78:17-22. Ref. 1966. 99.9 N833
- 41197 SCHAUER, T. The species of the lichen genus Buellia s. str. growing on wood and bark in the north alpine region. (Ge) Munich. Bot. Staatssamml. Mitt. 5:609-626. Ref. Oct.31,1965. 451 M92
Includes n. spp.
- 41198 SESHADRI, V. S. Three new generic records of Fungi Imperfecti from India. Mycopathol. Mycol. Appl. 30(2):177-183. Nov.10,1966. 450 M994
Includes Phyltaena canthicola n. sp., Sirodesmium deshpandei n. sp., and Coryneum gluchicola n. sp.
- 41199 SHOME, S. K., and SHOME, U. A new nematode trapping species of Dactylaria. Mycopathol. Mycol. Appl. 30(3/4):216-220. Dec.1, 1966. 450 M994
Includes Dactylaria dasguptai n. sp.
- 41200 SRIVASTAVA, M. P., and others. Studies on fungal diseases of some tropical fruits. IV. Some new fungi. Mycopathol. Mycol. Appl. 30(3/4):203-208. Dec.1,1966. 450 M994
R. N. Tandon, S. N. Bhargava, and A. K. Ghosh, joint authors.
New spp. in Sordaria, Thielavia, Phomopsis, and Phoma.
- 41201 TILAK, S. T., and RAO, R. The genus Hysterium in India. Mycopathol. Mycol. Appl. 30(2): 155-160. Nov.10,1966. 450 M994
Includes n. spp.
- 41202 TILAK, S. T. Notes on Indian fungi. I. Mycopathol. Mycol. Appl. 30(3/4):353-356. Dec.1, 1966. 450 M994
Includes n. spp. in Exosporium, Dothiorella, and Cytoporina.
- 41203 UPADHYAY, H. P. Soil fungi from north-east Brazil. II. Mycopathol. Mycol. Appl. 30(3/4): 276-286. Ref. Dec.1,1966. 450 M994
Includes Polyschema terricola, n. g., n. sp.
- 41204 ZVARA, M., and ZVAROVA, M. Zbierame huby; atlas vybraných jedlých a jedovatých hub [Collecting fungi; atlas of selected edible and poisonous fungi]. Slovenske Vydavateľstvo Podohospodárskej Literatúry, 1966. 191 p. Ref. SB353.26

WEEDS AND POISONOUS PLANTS

- 41205 MALONEY, T. E., and CARNES, R. A. Toxicity of a Microcystis waterbloom from an Ohio pond. Ohio J. Sci. 66(5):514-517. Ref. Sept. 1966. 410 Oh3
Microcystis aeruginosa toxicity to fish.
- 41206 OREGON WEED CONFERENCE. Proceedings, fourteenth annual [meeting] November 3-5, 1965, Salem, Oregon. n.p., 1965? 62 p. 79.9 Or3

Weeds - Biology

- 41207 BUZACOTT, J. H. Perennial Urochloa [mosambicense]. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):7-8. July 1,1966. 65.9 Q3C

- 41209 CHAPMAN, L. S. Prolific nut-grass [*Cyperus rotundus*] growth. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):16. July 1, 1966. 65.9 Q3C
- 41209 GOL'D, V. M. Relation between cyclic phosphorylation and xanthophyll conversion by light. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 1:139-141. Ref. 1965. 442.8 N22 Arctium.
- 41210 HULTKVIST, L., and ERIKSON, B. Inventory of wild oats in Sodermanland province, 1959-1964. (Sw) Sodermanlands Lans Hushallings-sallsk. Arsbok 1965:40-42, map. 11 SoLa
- 41211 HURST, H. R. Competition of four weed species with grain sorghum. Diss. Abstr., Sect. B, 27(5):1349B. Nov. 1966. Z5055.U49D53
- 41212 KABULOV, D. T., and MUKUMOV, KH. M. Species composition of plant-hosts of Egyptian broomrape (*Orobancha aegyptiaca* Pers.) in Central Asia. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 2:111-116. Ref. 1965. 442.8 N22
- 41213 MITROFANOVA, N. A. Precise characteristics of sections of subgenus *Cuscuta* of the genus *Cuscuta* L. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 1:123-126. 1965. 442.8 N22
- 41214 PRAKASH, A., and TAYLOR, F. J. R. A "red water" bloom of *Gonyaulax acatenella* in the Strait of Georgia and its relation to paralytic shellfish toxicity. Can. Fish. Res. Board. J. 23(8):1265-1270, map. Ref. Aug. 1966. 442.9 C16J
- 41215 SHAVER, T. N. Isolation of a toxic napthoquinone from *Karwinskia humboldtiana* (R. and S.) Zucc. Diss. Abstr., Sect. B, 27(1):88B. July 1966. Z5055.U49D53
- 41216 VENGRIS, J. Competition between barnyard-grass [*Echinochloa crusgalli*] and alfalfa. Agron. J. 58(5):478-479. Sept. 1966. 4 Am34P
- 41217 WATKINS, F. B. Effect of nitrogen fertilizer on the emergence of wild oat (*Avena ludoviciana*). Queensland J. Agr. Anim. Sci. 23(1):87-89. Mar. 1966. 23 Q37
- 41219 ZEIDLER, H. Field weed communities in eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):13-30. 1965. Ref. 1965. 18 L24
- Weed Control
- 41219 BAUER, S. Helicopter against water hyacinth [*Eichornia crassipes*] in the Sudan. Agr. Aviation 8(4):116-118. (Cont.) Oct. 1966. 333.8 Ag8
- 41220 BRADFORD, M. The economics of weed control. Agr. Merchant 47(1):6-7. Jan. 1967. 10 Ag89
Review of British Weed Control Council's eight conference, Brighton.
- 41221 CHOKER, A. H., and BEGUM, A. Control of aquatic vegetation in fisheries. Agr. Pakistan 16(2):235-247. Ref. June 1965. 22 Ag832
- 41222 EVERIST, S. L. Making decisions on clearing brigalow scrub. Queensland Agr. J. 92(11):649-653. Nov. 1966. 23 Q33
- 41223 KHAN, A. M., and JAMIL, M. Weeds of field crops in Hyderabad District. West Pakistan J. Agr. Res. 3(4):152-183. Ref. Dec. 1965. 22 W52
Survey to determine methods of control.
- 41224 MYATT, O. W. D., TILLEY, L. G. W., and FORD, A. W. Post-emergence control of Guinea grass [*Panicum maximum*]. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):34-36. July 1, 1966. 65.9 Q3C
- 41225 PRETORIUS, F. J. Stop bush encroachment in the lowveld of Natal. Farming S. Afr. 42(8):46-48. Nov. 1966. 24 So842
- 41226 RYLANDS, P. F. Spiny Emex [australis]. -- Agr. Gaz. New S. Wales 77(10):610-615, map. Oct. 1966. 23 N472
Control in pastures and cereal crops.
- 41227 STEELE, B. Weed control in bananas. PANS (Pest Articles News Sum.) Sect. C. Weed Contr. 12(1/2,sup.):43-47. June 1966. 79.9 G792
- 41229 STONE, J. W. Wider spacing trials hampered by weeds. Brit. Sugar Beet Rev. 35(2):88, 90. Dec. 1966. 66.8 B77
Includes control of weeds.
- 41229 U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. State noxious-weed seed requirements recognized in the administration of the Federal Seed Act. Beltsville, Maryland, 1966. chart. 1.942 S33St2
Includes supplement, 12 p.
- 41230 VERTREES, J. D., HUBBELL, R., and KASEBERG, P. Proposed uniform national weed district law. Oreg. Weed Conf. Proc., 14th Annu. Conf.:39-44. 1965. 79.9 Or3
Panel discussion; Moderator: R. Warren; members: J. D. Vertrees, R. Hubbell, and P. Kaseberg.
- 41231 WARREN, G. F. Weed control: where are we and where are we going. Oreg. Weed Conf. Proc., 14th Annu. Conf.:3-5. 1965. 79.9 Or3
- Weed Control - Chemical
- 41232 ALEKSEIEVA, G. Mechanical and chemical methods of algae control on rice fields. (Bu) Viss Shelskostopanski Inst. Vasil Kolarov. Nauch. Tr. 14(1):171-177. Ref. 1965. 106.3 P72
German summary.
Chiefly copper sulfate.
- 41233 APPLEBY, A. P. What's new in weed research. Oreg. Weed Conf. Proc., 14th Annu. Conf.:19-20. 1965. 79.9 Or3
Herbicide tests.
- 41234 AUSTIN, W. G. L. Use of paraquat on *Cyperus esculentus*. PANS (Pest Articles News Sum.) Sect. C. Weed Contr. 12(1/2):11. June 1966. 79.9 G792
In sugar cane.
- 41235 BAYER, G. H. Atrazine plus oil; after a year's use, this combination for weed control in corn has gained enthusiastic support. Agrway Coop. 3(1):34-35. Jan./Feb. 1967. 280.28 Ag9
- 41236 BENKOV, B. Effect of the herbicide Omnidol on *Nardus stricta* L. (Bu) Rastenievudni Nauk. 3(7):137-142. Ref. 1966. 64.8 R18
English summary.
- 41237 BOYLE, W. D. Problems in irrigation systems. Oreg. Weed Conf. Proc., 14th Annu. Conf.:7-10. 1965. 79.9 Or3
Chemical weed control.
- 41239 BRAZIER, P. L. Weed control in the Kericho, Kenya. PANS (Pest Articles News Sum.) Sect. C. Weed Contr. 12(1/2):12-13. June 1966. 79.9 G792
Chemical tea weed control.
- 41239 BROADHURST, N. A., MONTGOMERY, M. L., and FREED, V. H. Metabolism of 2-methoxy-3,6-dichlorobenzoic acid (dicamba) by wheat and bluegrass plants. J. Agr. Food Chem. 14(6):585-588. Nov./Dec. 1966. 381 J8223
- 41240 CARPENTER, S. B. Herbicides for site preparation; broadcast spray by mist blower tested against understorey in Hawaii rain forest. U. S. Forest Serv. Res. Note PSW-115.8 p. 1966. A99.9 F7652
- 41241 CASSIDY, D. How we control vegetation at the California Division of Highways. Weeds Trees Turf 5(3):15-16. Mar. 1966. 79.8 W413
Chemical weed control of roadsides; includes equipment.
- 41242 CHORBADZHISKA, B. Duration of active effect and movement of some triazine preparations in soils. (Bu) Viss Shelskostopanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):265-272. Ref. 1965. 106.3 P72
- 41243 CLEMENTS, R. F. The development of herbicides. Great Brit. Min. Agr. Fish. Food. Agr. 73(9):406-409. Sept. 1966. 10 G79J

- 41244 COLE, A. W. Some effects of 2,4-D on growth, yield, and metabolism of Concord grape. Diss. Abstr., Sect. B, 27(1):15B. July 1966. Z5055.U49D53
- 41245 COOK, D. J. The classification of herbicides. World Crops 18(3):39-45. Sept. 1966. 281.8 W892
- 41246 CRAFTS, A. S. The uptake distribution and action of herbicides. Service [New Plymouth], Spring 1966:24-27. 385 Se6
Translocation in plants.
- 41247 CROWL, R. N. Banvel-D and bandane for turf weeds. Weeds Trees Turf 4(9):24. Sept. 1965. 79.8 W413
- 41248 CUMBERLAND, G. L. B., and WARREN, R. G. Control of rushes. New Zeal. J. Agr. 113(5): 34-35. Nov. 1966. 23 N48J
Control of Juncus in pastures with 2,4-D, 2,4,5-T, and dalapon.
- 41249 DUTT, D. K., SHETTY, K. S., and MEDLEY, G. J. Chemical control of weeds in sugarcane fields of Mysore State. Indian Sugarcane J. 9 (4):226-228. July/Sept. 1965. 65.8 In27
- 41250 EURASIAN watermilfoil reduces waterway use. Weeds Trees Turf 5(6):12-14. June 1966. 79.8 W413
Muriophyllum spicatum and its control with 2,4-D and aqualin.
- 41251 FATUS, G. K., and BYCHENKO, I. I. Using herbicides in weed control on tobacco plantations in the humid subtropical zones of the Krasnodar Territory. (Rus) Khim. Sel'skom Khoz. 4(10):37-40. Oct. 1966. 385 K524
- 41252 FREEMAN, J. A., RENNEY, A. J., and DRIEDIGER, H. Influence of atrazine and simazine on leaf chlorophyll and fruit yield of raspberries. Can. J. Plant Sci. 46(4):454-455. July 1966. 450 C16
- 41253 FURTICK, W. R. The challenge of perennial weeds. Oreg. Weed Conf. Proc., 14th Annu. Conf.:11-13. 1965. 79.9 Or3
Chiefly chemical control on pastures and in cereals.
- 41254 GOETZE, N. Lawns, golf courses, playgrounds and weeds. Oreg. Weed Conf. Proc., 14th Annu. Conf.:31-33. 1965. 79.9 Or3
Chemical control.
- 41255 GOYNE, P. J. Chemical weed control in cotton. Queensland Agr. J. 92(11):653. Nov. 1966. 23 Q33
Control with trifluralin.
- 41256 GRANSTROM, B. Herbicides for the control of weeds. (Sw) Kem. Vaxtskyddsmedel, 1966: 38-55. 385 K313
- 41257 GRIEG, J. K., and AL-TIKRITI, A. S. Effects of herbicides on some chemical components of sweetpotato foliage and roots. Amer. Soc. Hort. Sci. Proc. 88:466-471. Ref. 1966. 81 S012
- 41258 HAGIN, R. D., and others. Carotenoid pigments in plants; major interfering substances in determining 2,4-D, a metabolite of 2,4-DB. J. Agr. Food Chem. 14(6):630-632. Ref. Nov/Dec. 1966. 381 J8223
D. L. Linscott, R. N. Roberts, and J. E. Dawson, joint authors.
Metabolism in Bromus inermis and Phleum pratense.
- 41259 HEIKEN, G. Agriculture in the sixties: Don't count on effective economic poisons without mercury before 1970. (Sw) Jord Skog 17(10): 14-15. 1965. 58.8 M373
Chiefly herbicides.
- 41260 I'ONS, J. H. A study of the use of arboricides for the eradication of four Swaziland tree species. PANS (Pest Articles News Sum.) Sect. C. Weed Contr. 12(1/2):42-48. Ref. June 1966. 79.9 G792
- Acacia spp. and Pterocarpus rotundifolius.
- 41261 JOSHI, N. C., and MEHTA, P. R. Control of Typha with dalapon in Kota (Rajasthan). Plant Protect. Bull. 16(3/4):36-37. 1964, pub. 1966. 421 P69
- 41262 KAPOOR, V. P., and JOSHI, N. C. Some trials with newer weedicides for the control of water hyacinth [Eichornia crassipes]. Plant Protect. Bull. 17(1/2):16-18. Ref. 1965. 421 P69
- 41263 KREJCIR, J. A contribution to the testing of some herbicides in the stands of Lens esculenta L. and Vicia sativa L. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:151-160. 1966. HD1940.C95A1
French and German summaries.
- 41264 KREJCIR, J. Tests with some herbicides in the control of Avena fatua in the culture of sugar beets. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 3:257-265. Ref. 1965. HD1940.C95A1
French and German summaries.
- 41265 LAWES, G. S. Chemical weed control in orchards. New Zeal. J. Agr. 113(5):85,87. Nov. 1966. 23 N48J
- 41266 LEWIS, W. M., and GILBERT, W. B. Pre-emergence siduron controls crabgrass safely in four turfgrasses. Weeds Trees Turf 5(4): 20,22. Apr. 1966. 79.8 W413
- 41267 LITTLE, E. C. S. Notes from a liaison officer. VI. Bananas and coconuts. PANS (Pest Articles News Sum.) Sect. C. Weed Contr. 12(1/2): 29-33. June 1966. 79.9 G792
Chiefly chemical weed control in the Caribbean area.
- 41269 LYND, J. Q., RIECK, C. E., and SANTEL-MANN, P. W. Soil components determining bensulide phytotoxicity. Agron. J. 58(5):508-510. Sept./Oct. 1966. 4 Am34P
Digitaria sanguinalis and D. ischaemum control by bensulide. 3-O-2-diisopropyl phosphorothioate of N-(2-mercaptoethyl) benzene-sulfonamide.
- 41269 LYUBENOV, YA. Possibilities of corn growing with reduced number of cultivations as a result of applied herbicides. (Bu) Rastenievudni Nauk. 3(7):125-136. Ref. 1966. 64.8 R18
English summary.
- 41270 MAKOVCOVA, O., and SINDELAR, L. A contribution to the study of the selectivity mechanism of pyrazon. (Ge) Biol. Plant. 8(3):260-262. 1966. 450 B52
Effect on the root respiration of Sinapis alba and sugar beets.
- 41271 MAKOVCOVA, O., SINDELAR, L., and VACULIK, P. On the effect of styrene pyridine and amino-1,2,4-triazole, 3-on the root respiration of Sinapis alba L. (Ge) Biol. Plant. 8(3):229-234. Ref. 1966. 450 B52
- 41272 MANN, R. A. Results of TVA tests with helicopters to spread pellets for rights-of-way brush. Weeds Trees Turf 5(7):14-17. July 1966. 79.8 W413
Material used were Dybar, Urab and Tordon.
- 41273 MCALEESE, C. M. Friend or foe? Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):11. July 1, 1966. 65.9 Q3C
Chemical weed control.
- 41274 MCKINLEY, J. R. Bromoxynil. Oreg. Weed Conf. Proc., 14th Annu. Conf.:55. 1965. 79.9 Or3
For weed control in wheat and barley.
- 41275 MERRY, D. M. E. Cape tulip is a killer. New Zeal. Agr. 113(6):69. Dec. 1966. 23 N48J
Control with 2,4-D, of Haemanthus, which is poisonous to livestock and man.
- 41276 MITSUI CHEMICAL INDUSTRY CO. LTD. MO Granular-safe and effective herbicide. Jap. Chem. Quart. 2(2):44-45, map. Apr. 1966. HD9657.J3J3
2,4,6 trichlorophenyl-4'-nitrophenyl ether.
- 41277 MORRE, D. J. Changes in tissue deformability associated with growth of basal hypocotyl sections of soybean. Phyton [Vicente Lopez] 23 (2):79-83. Nov. 1966. 450 P567
Effects of 2,4-D.
- 41278 MULLER, E. W. Actual plant protection. (Ge) Deut. Gartenbau 13(5):137-138. May 1966. 80 G1948
Weed control of onions with DNOC, diquat and paraquat.
- 41279 NEWTON, M., and WOODARD, E. S. Christmas trees and weed control. Oreg. Weed Conf. Proc., 14th Annu. Conf.:23-25. 1965. 79.9 Or3
Chemical; includes soil problems.

- 41280 NEWTON, M. Controlling brush to grow trees. Oreg. Weed Conf. Proc., 14th Annu. Conf.:15-18, 1965. 79.9 Or3
Chemical control.
- 41281 NEWTON, M. New injection system for killing or curing trees. Weeds Trees Turf 5(3):12. Mar.1966. 79.9 W413
- 41282 NITTO CHEMICAL INDUSTRY CO. LTD. 2,3, 6-trichlorobenzoic acid as herbicide. Jap. Chem. Quart. 2(2):62. Apr.1966. HD9657J3J3
- 41283 OCHAI, M., and KAMIKADO, T. Studies on herbicides and plant growth regulators. III. Synthesis and structures of N-aryloxyacylazoles. Agr. Biol. Chem. 30(11):1106-1111. Ref. Nov.1966. 385 Ag8B
Synthesis.
- 41284 ORSENIGO, J. R. Primary evaluation of pre-planting, preemergence and postemergence applied herbicides in vegetable and field crops, spring, 1966. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-6,36 p. Oct.1966. 100 F663
Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.
- 41285 PARKER, C. Influence of water hardness on the phytotoxicity of paraquat. Nature 212(5069): 1465-1466. Dec.24,1966. 472 N21
To Lemna minor.
- 41286 PENG, S. Y. Chemical weed control on Taiwan. Sugar Azucar 61(12):26,28-29,31. Dec. 1966. 65.8 F11
Text also in Spanish, 47-49,68.
- 41287 ROWSE, R. L. Weeds and industrial sites. Oreg. Weed Conf. Proc., 14th Annu. Conf.:35-38. 1965. 79.9 Or3
Chiefly chemical weed and brush control.
- 41288 SANTELMANN, P. W., SCIFRES, C. J., and MURRAY, J. Influence of postemergence herbicides on the fiber quality of selected cotton varieties. Crop Sci. 6(6):561-562. Nov./Dec. 1966. 64.8 C883
- 41289 SATYEV, U. SH. Effect of herbicides on weeds and yields of corn fields depending on the method of soil cultivation. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:164-167. 1965. 442.8 N22
- 41290 SCHULTZ, T. Ortho paraquat. Oreg. Weed Conf. Proc., 14th Annu. Conf.:56. 1965. 79.9 Or3
- 41291 SHAW, W. C. Characteristics and requirements of herbicides for the future. U. S. Agr. Res. Serv. ARS-33-110:23-28. July 1966. A420 R31
- 41292 SHEETS, W. A., and BULLOCK, R. N. Weeds in cane fruits and strawberries. Oreg. Weed Conf. Proc., 14th Annu. Conf.:45-48. 1965. 79.9 Or3
Chemical control trials.
- 41293 SHOREY, N. Borolin, a granular herbicide by U. S. Borax. Oreg. Weed Conf. Proc., 14th Annu. Conf.:54. 1965. 79.9 Or3
For control of woody plants.
- 41294 SINNADURAI, S. Major factors influencing the use of herbicides on shallots (*Allium cepa* L.) in northern Ceylon. Diss. Abstr., Sect. B, 27 (5):1380B. Nov.1966. Z5055.U49D53
- 41295 SMITH, D. R., and ALLEY, H. P. Chemical control of alpine avens (*Geum rossii*). J. Range Manage. 19(6):376-378. Nov.1966. 60.18 J82
On ranges with 2,4-D and 2,4,5-T.
- 41296 SMITH, R. J., and SHAW, W. C. Weeds in rice and how to control them. III. Herbicides. World Farming 8(12):28-30,32,38,40. (Cont.) Dec. 1966. 30.08 W89
Includes application equipment.
- 41297 SPRAYBERRY, B. A. Dacagin, a pseudoplastic spray agent. Oreg. Weed Conf. Proc., 14th Annu. Conf.:59-60. 1965. 79.9 Or3
For use with herbicides.
- 41298 STADTHER, R. J. Studies on the use of ar-senicals for crabgrass [*Digitaria sanguinalis*] control in turf. Diss. Abstr., Sect. B, 27(5): 1351B. Nov.1966. Z5055.U49D53
Stands of *Poa pratensis* and *Agrostis tenuis*.
- 41299 STEELE, B. Herbicides, non-cultivation and soil conservation: a review. PANS (Pest Articles News Sum.) Sect. C, Weed Contr. 12(1/2): 49-56. Ref. June 1966. 79.9 C792
Chiefly effects of herbicide use on soil erosion.
- 41300 STROGANOV, N. S., and KHOBOT'EV, V. G. When does the phytoplankton become harmful? Control of algae by chemical means. (Rus) Priroda [Moscow] 12:44-47. 1966. 410 P933
As weed of water reservoirs.
- 41301 STRYCKERS, J., and HIMME, M. VAN. Herbicidenschiffingsproeven over 1966 in akkerbouwgewassen resp. groenten [Herbicide trials in 1966 in field crops and vegetables]. Ghent. Landbouwhoogesch. Centrum Onkruidondez. Mededel. 5,19 p. Nov.1,1966. 79.9 G342M
- 41302 THOMPSON, F. B. Use of hormone weedkillers near vineyards, New Zeal. J. Agr. 113(6): 81,83. Dec.1966. 23 N48J
Includes damage.
- 41303 TICKNOR, R. L. Weed control in the nursery. Oreg. Weed Conf. Proc., 14th Annu. Conf.:27-30. 1965. 79.9 Or3
Chemical control in ornamentals.
- 41304 TIDEMAN, A. F. Weeds worth watching, "the soursoots" [*Oxalis* spp.]. S. Australian J. Agr. 70(3):103-105, map. Oct.1966. 23 S084
Control with amitrole and 2,4,5-T.
- 41305 TRUSOVA, F. V. Effect and after effect of herbicides applied on corn under conditions of Crimea. (Rus) Khim. Sel'skom Khoz. 4(10): 41-44. Oct.1966. 385 K524
- 41306 VIRAG, A., and KISS, MRS. I. Experiences in 1966 with the use of Burgonya-G. (Hu) Magyar Mezogazdasag 22(1):10-11. Jan.4,1967. 19 M27
Potato weed control.
- 41307 WARREN, L. E. Control of annual broadleaf weeds in cereals with Tordon and 2,4-D or MCP herbicide combinations. Oreg. Weed. Conf. Proc., 14th Annu. Conf.:57-58. 1965. 79.9 Or3
- 41308 WEBB, D. N. R. In weed and pest control—the cost of success and the price of failure. Service [New Plymouth], Spring 1966:11-13. 385 Se6
Chemical control.
- 41309 WELSH, N. S. Legume establishment after use of picloram for weed control. Australian Inst. Agr. Sci. J. 32(3):223-224. Sept.1966. 23 Au74
Lucerne (*Medicago sativa*) and barrel medic (*Medicago tribuloides*).
- 41310 WILLIAMS, L. Weeds and rangeland. Oreg. Weed Conf. Proc., 14th Annu. Conf.:49-51. 1965. 79.9 Or3
Chemical control; includes legal aspects.
- 41311 WILTSE, M. G. Tordon, a new vegetation management tool. Weeds Trees Turf 5(4):18-19. Apr.1966. 79.8 W413
To control trees and brush.
- 41312 ZEMANEK, J., and AMBROZOVA, J. The effect of pyrazon on the respiration of *Sinapis alba* L. and sugar beets. (Ge) Biol. Plant. 8(3): 246-251. Ref. 1966. 450 B52
- 41313 ZUR, M., and DOR, Z. Herbicide trials on cotton in Israel (northern Negev area). PANS (Pest Articles News Sum.) Sect. C, Weed Contr. 12(1/2):35-41. June 1966. 79.9 G792

Weed Control - Cultural, Biological

SOILS AND FERTILIZERS

SOIL SCIENCE

- 413316 DICTIONARY of terms in soil science and geotechnics; Hebrew-English-French-German. Jerusalem, 1966. various paging. (Academy of the Hebrew Language. Specialized Dictionaries, No.9. Dictionaries of the Central Committee for Technical Terminology, No.6) 5592.D5
- 413317 MILLER, M. F. Let's look at the soil. Mo. Univ. Ext. Circ. 864, rev., 45 p., map. Apr. 1966. 275.29 M69C Teaching.
- 413318 SCIENTIFIC-technical concept "Raising of Soil Fertility." (Ge) *Feldwirtschaft* 7(9):449-498. Sept. 1966. 13 W763 Includes analysis and mapping of soils, crop rotations, tillage, fertilizing, and reclamation in East Germany.
- 413319 SMET, L. A. H. DE. The Groningen fen colonies and their agricultural evaluation. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23 (12):342-356. Dec. 1966. 12 N383M Soil moisture, profile, fertility, yields, fertilizing, and classification.
- 413320 SVENTSITSKI, C. Development of scientific investigations in the field of soil science in Poland. (Rus) *Pochvovedenie* 12:102-106. 1966. 57.8 P34
- Soil Physics**
- 413321 ABROL, I. P., and KHOSLA, B. K. Surface area, a rapid measure of wilting point of soils. *Nature* 212(5068):1392. Dec. 17, 1966. 472 N21
- 413322 BADESCU, L., and others. The effect of liming materials on some physical and chemical properties of acid soils. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:107-117. Ref. 1963/64, pub. 1966. 86 R862 G. Gondei, G. Costan, and T. Tudor, joint authors. French summary.
- 413323 BELL, J. P., and EELES, C. W. O. Neutron random counting error in terms of soil moisture for nonlinear calibration curves. *Soil Sci.* 103(1):1-3. Jan. 1967. 56.8 S03
- 413324 BUDENZER, G. D., MEYER, L. D., and MONKE, E. J. Effect of particle roughness on soil erosion by surface runoff. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):562-564. Ref. 1966. 290.9 Am32T
- 413325 CABART, J. Tests with the measurement of soil moisture dynamics in field conditions by the gammascopic vertical method. (Cz) *Vyzkum. Ustav Melioraci. Ved. Prace* 7:19-30. Ref. 1965. S604.A1V9 English summary.
- 413326 COCHRAN, P. H. Heat and moisture transfer in a pumice soil. *Diss. Abstr.*, Sect. B, 27(1):3B. July 1966. Z5055.U49D53
- 413327 DE BACKER, L. W. A. The comparison of pressure and suction apparatus for soil water content-pressure head determinations. *Diss. Abstr.*, Sect. B, 27(1):3B. July 1966. Z5055.U49D53
- 413328 DEBANO, L. F., and KRAMMES, J. S. Water repellent soils and their relation to wildfire temperatures. *Int. Ass. Sci. Hydrol. Bull.* 11 (2):14-19. Ref. June 1966. 292.9 As7 Effect of fire on infiltration.
- 413329 DIMOV, A. Comparative study of water-physical properties of arable soil horizon during two-year monoculture of cotton. (Bu) *Vishh Selskostopanski Inst. "Vasil Kolarov."* *Nauch. Tr.* 14(1):251-256. 1965. 106.3 P72 German summary.
- 413330 FACEK, Z. Agrophysical characteristics of the main soil types of Czechoslovakia. I. Mechanical and technological properties. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(7):713-720. Ref. July 1966. 64.9 C33 English summary.
- 413331 FACEK, Z. Some data on agro-physical characteristics of soils in the Czechoslovak SSR. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(6):685-688. June 1966. 64.9 C33 German summary.
- 413332 GARCIA FERNANDEZ, J. Know your soil. (Sp) *SCRAL (Soc. Coop. Rural Argent. Ltda.)* 12(142):386,388. Oct. 1966. 9 S017 Permeability.
- 413333 GLET, O. Hydrological properties and water conditions of soils on loess deposits. (Ge) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(6):689-698. June 1966. 64.9 C33 German summary.
- 413334 HANSON, T. L. Dynamic shearing resistance of cohesive soils. *Diss. Abstr.*, Sect. B, 27(1):146B. July 1966. Z5055.U49D53 In relation to effects of farm equipment.
- 413335 HOMOLKA, L., KLASKA, F., and AMBROZOV, M. The effect of the alternation of two planted crops on the rotation of crops system in relation to physical and biological changes in soils. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(8):853-874. Ref. Aug. 1966. 64.9 C33 English summary.
- 413336 HUGHES, M. W. The examination of a new electrical resistance block for measuring soil-water suction. *Australian Inst. Agr. Sci. J.* 32 (1):225-227. Sept. 1966. 23 Au74
- 413337 KAMPF, R. The nature of soil tilth and its influence on the culture of summer barley. (Ge) *Bayer. Landwirt. Jahrbuch* 43(2):150-192. 1966. 18 L24 Bibliography, p.186-192.
- 413338 KAUFMANN, H. G. The role and application of soil conditioners in horticulture. (Ge) *Deut. Gartenbau* 13(5):124-127. Ref. May 1966. 80 G1948
- 413339 MOUSTAFA, A. I., and others. Pipette method for mechanical analysis of U.A.R. soils with-out hydrogen peroxide treatment. *Agr. Res. Rev.* 43(2):1-7. Apr. 1965. 24 Eg94 A. I. Shabassy, A. I. Gohar, E. M. Abd-El-naim, and A. S. Fareed, joint authors.
- 413340 NIKOLOV, I. On causes of the same effect of tobacco grown in rotations and in monoculture on structure formation of alluvial-diluvial soils. (Bu) *Vishh Selskostopanski Inst. "Vasil Kolarov."* *Nauch. Tr.* 14(1):257-264. 1965. 106.3 P72 German summary.
- 413341 NJOS, A. Soils structure and plant growth. (No) *Ny Jord* 53(5):155-161. Oct. 1966. 282.28 N98
- 413342 OLIVER, J. Soil temperatures in the arid Tropics, with reference to Khartoum. 23:47-54. Ref. Dec. 1966. 331.8 M29
- 413343 POSTOLACHE, T. Thin sections method used to study the structure of loess soils. (Rum) *Stud. Hidroamelior.* 3:295-310, map. Ref. 1966. 54.8 St9 English summary.
- 413344 RANDOLPH, N. M., and WILKES, L. H. A power machine for grating soil samples. *J. Econ. Entomol.* 59(5):1311-1312. Oct. 1966. 421 J822 For analysis of insecticide residues.
- 413345 RAUZI, F., and HANSON, C. L. Water intake and runoff as affected by intensity of grazing. *J. Range Manage.* 19(6):351-356. Nov. 1966. 60.18 J82 Effects of precipitation on range soils and productivity.
- 413346 REIDY, F. A., and REED, I. F. Traction in a submerged sand soil. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):464-487. 1966. 290.9 Am32T
- 413347 RHOADES, E. D., and COX, M. B. Water-intake and runoff rates in relation to cropping treatment. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):596-598. 1966. 290.9 Am32T Includes tillage system.

- 41349 RID, H. Physical properties of some soils in eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):31-48. 1965. 18 L24
- 41349 RODE, A. A. The minimum moisture capacity of soils. (Rus) Pochvovedenie 12:43-53. Ref. 1966. 57.8 P34
- 41350 ROSE, C. W. Agricultural physics. Oxford, Pergamon Press, 1966. 226 p. Ref. (The Commonwealth and International Library. Physics Division) S589.R6
Chiefly soil physics.
- 41351 RUGER, H. Versuche zur Verhinderung und Beseitigung von Bodenverdichtungen in Obstlagen [Research on the prevention and elimination of soil compression in fruit plantations]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 20, 93 p. 1964. 105.8 B644
Bibliography, p.84-91.
- 41352 SANT, H. R. Grazing effects on grassland soils of Varanasi, India. J. Range Manage. 19(6): 362-367. Ref. Nov.1966. 60.18 J82
Chiefly effects on soil properties.
- 41353 SOUCEK, O. Methods of determining suitability of soils for the mole drainage. II. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:261-268. Ref. 1965. S604.A1V9
English summary.
Chiefly physical properties.
- 41354 STEGMAN, E. C. Characterization of soil aeration during sprinkler irrigation. Diss. Abstr., Sect. B, 27(5):1453B. Nov.1966. Z5055.U49D53
- 41355 TYURINA-ZEINALASHVILI, R. N. Changes in water-stable structure of soil aggregates under cultivated conditions of dry Transvolga region. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 2:205-208. Ref. 1965. 442.8 N22
- 41356 VANDENBERG, G. E. Triaxial measurements of shear strain and compaction in unsaturated soil. Amer. Soc. Agr. Eng. Trans. ASAE 9(4): 460-463,467. 1966. 290.9 Am32T
- 41357 VAN WIJK, W. R. New method for measuring heat flux density at the surface of soils or of other bodies. Nature 213(5072):214. Jan.14, 1967. 472 N21
- 41358 VICTORIA, DEPT. OF AGRICULTURE. CHEMIST'S BR. Directions for taking soil samples for analysis. J. Agr. [Melbourne] 64 (11):504-505. Nov.1966. 23 V663
- 41359 VLADYCHENSKII, S. A., and RYBINA, V. V. Effect of wetting on moisture movement in sandy soils. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauk. 1:197-201. 1965. 442.8 N22
- 41360 WELCH, G. B. Experimental analysis of rotation in a vertical plane of shallow pier foundation subjected to a couple. Diss. Abstr., Sect. B, 27(1):148B. July 1966. Z5055.U49D53
Soil tests included.
- 41361 WILLIAMS, P. J. Movement of air through water in partly saturated soils. Nature 212 (5069):1463-1464. Dec.24,1966. 472 N21
- 41362 ZHELEV, A. Soil moisture depending on method of afterharvest soil tillage. (Bu) Vishh Selskostonpanski Inst. "Vasil Kolarov. Nauch. Tr. 14(1):237-244. Ref. 1965. 106.3 P72
English summary.
- Soil Chemistry and Mineralogy**
- 41363 ABDEL-SAMIE, M. E., and others. Effect of different forms of calcium upon phosphate fixation in soils of Egypt. Agr. Res. Rev. 44(1): 117-125. Ref. Jan.1966. 24 Eg94
H. Hamdi, Y. Barada, and M. T. Eid, joint authors.
- 41364 AYLMOORE, I. A. G., KARIM, M., and QUIRK, J. P. Adsorption and desorption of sulfate ions by soil constituents. Soil Sci. 103(1):10-15. Ref. Jan.1967. 56.8 S03
- 41365 BEDRNA, Z. The content of humus in agricultural soils of Slovakia. (Cz) Pol'nohospodarstvo 12(10):763-769. Ref. 1966. 19.5 P752
English summary.
- 41366 BLASCO, M. L., and CORNFIELD, A. H. Fixation of added ammonium and nitrification of fixed ammonium in soil clays. J. Sci. Food Agr. 17(10):481-484. Ref. Oct.1966. 382 So12
- 41367 BOYER, J., and others. Observations on the behavior of different soils submitted to gamma radiation. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(12):920-928. Ref. June 29,1966. 14 P215Bc
A. Combeau, A. Grauby, and A. M. Thomas, joint authors.
Includes discussion.
- 41369 BRUCKERT, S. Distribution of water soluble acids in some profiles of forests soils. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(21):1572-1575. Nov.21,1966. 505 P21
- 41369 CAMPBELL, C. A. The use of naturally occurring C14 to measure the persistence of organic components in soil. Diss. Abstr., Sect. B, 27(5):1339B. Nov.1966. Z5055.U49D53
- 41370 CHELYADINOV, G. I., and KUIDAN, A. P. Fixing freely soluble phosphates in the Chernozems of the central zone of Stavropol Region. (Rus) Agrokimiya 2:39-42. Ref. Feb.1966. 385 Ag89
- 41371 EL-DAMATY, A. H., and others. Different forms of potassium in some soils of Egypt. Agr. Res. Rev. 43(2):28-55, map. Ref. Apr. 1965. 24 Eg94
S. M. Yousef, A. M. Ghaith, and K. A. Kassem, joint authors.
- 41372 DEB, B. C., and others. A new method for estimating gypsum in saline and alkali soils. Agr. Res. Rev. 43(2):56-63. Apr.1965. 24 Eg94
A. M. Ghaith, J. S. Veenenbos, and A. Helmy, joint authors.
United Arab Republic.
- 41373 DIMITROVSKY, K. A contribution to the study of chemical properties of soils composed from cyprine clays on several strip-mined areas of the Sokolov coal basin. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:157-176. 1965. S604.A1V9
English summary.
- 41374 DOSTAL, A., and PESAK, M. A contribution to the study of the level of available nutrients in fine soils. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(7):745-758. July 1966. 64.9 C33
English summary.
Phosphorus and potassium.
- 41375 EBERHARD, E. The mineral balance of seven soil profiles in eastern Bavaria and the relation between the clay mineral portion and the available plant nutrients. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):68-76. 1965. 18 L24
- 41376 GHAITH, A. M., and TANIOUS, M. Mineralogical study of the clay fraction in the topsoil of the northern part of the Nile Delta. Agr. Res. Rev. 43(2):64-78, map. Ref. Apr.1965. 24 Eg94
- 41377 GODLIN, M. M., and OLINEVICH, V. A. Dynamics of mobile forms of nitrogen, phosphorus, and potassium in peat soils under various stages of agricultural use. (Rus) Agrokimiya 2:23-25. Feb.1966. 385 Ag89
- 41379 GOWDA, S. K. K., MURTI, G. S. R. K., and DEB, A. R. Clay mineralogy of Red and Black complex soils of Coimbatore and Medak. Indian J. Agr. Sci. 36(1):29-34. Ref. Feb.1966. 22 Ag831
- 41379 GYUROV, G. Composition and characteristics of organic matter in Brown Forest soils of Bulgaria. (Bu) Vishh Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):273-279. 1965. 106.3 P72
German summary.
- 41380 HAN, F., ASO, P. J., and FOGLIATA, F. A. Study on salinity of some soils cultivated with sugarcane in the Department of Laeles, Tucuman. (Sp) Rev. Agron. Noroeste Argent. 4(2): 165-180. 1965. 9 R3222
English summary.

- 41381 HASLBACH, J. A contribution to the study of physical, chemical and optical properties of humic acids of some garden soil types. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D, Spisy Fak. Provozne Ekon. 2:121-128, 1965. HD1940.C95A1
French and German summaries.
- 41382 JURAN, C. The content of zinc in soil types of Slovakia. (Cz) Pol'nohospodárstvo 12(10): 756-762, map. Ref. 1966. 19.5 P752
English summary.
- 41383 KEENEY, D. R., and BRENNER, J. M. Comparison and evaluation of laboratory methods of obtaining an index of soil nitrogen availability. Agron. J. 58(5):493-503, Ref. Sept./Oct. 1966. 4 Am34P
- 41384 EL KHOLI, A. F., EID, M. T., and ALLAM, A. F. Evaluation of the potassium-carbonate method for the determination of available phosphorus in Egyptian soils. Agr. Res. Rev. 43(2):97-108, Ref. Apr. 1965. 24 Eg94
- 41385 KLOTTER, H. E. On the removal of phosphates from waste water. (Ge) Ver. Deut. Gewässerschutz. Mitt., July/Aug. 1965:4-6. 292.9 V58M
Soil humus building with compost to improve agriculture and keep chemicals from running off into the water supply.
- 41386 KUON CABELLO, J., and SALAZAR ORTIZ, D. Boron deficiency in the soils of Cuzco, (Sp) Soc. Quim. Peru. Bol. 32(2):94-106, Ref. June 1966. 385 So15
- 41387 LAFLEUR, K. S. Minimizing the phosphate sorption of Cecil soil. Diss. Abstr., Sect. B, 27(5):1349B-1350B. Nov. 1966. Z5055.U49D53
- 41389 MARIN, G. Soils analysis service offered by the Colombian Agricultural Institute [Instituto Colombiano Agropecuario]. (Sp) Soc. Antioquena Agr. Bol. Agr. 555:10465-10468, Sept. 1966. 9.4 So1
- 41389 MESHCHERYAKOV, A. M. Extraction of available forms of mineral phosphates from Sterozem soils. (Rus) Agrokhimiya 2:109-119, Ref. Feb. 1966. 385 Ag89
- 41390 MILLER, H., and CORDER, G. Nitrogen in Kentucky soils; sources, reactions, and fertilization. Ky. Univ. Ext. Circ. 608, 11 p. Sept. 1966. 275.29 K415
- 41391 MOLCHANOVA, I. V. Effect of iron on the behavior of yttrium-91 in soddy podzolic soils. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:201-204, 1965. 442.8 N22
- 41392 MURRMANN, R. P. Significance of adsorbed and crystalline phosphates in soils. Diss. Abstr., Sect. B, 27(5):1341B-1342B. Nov. 1966. Z5055.U49D53
- 41393 OTSUKI, A., and HANYA, T. Fractional precipitation of humic acids from recent sediment by use of N,N-dimethylformamide and its infra-red absorption spectra. Nature 212 (5069):1462-1463, Dec. 24, 1966. 472 N21
- 41394 PANYR, M., and DOSTAL, A. On the problem of chemical determination of available magnesium in soils of Czechoslovak hop stands. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(7): 779-786, July 1966. 64.9 C33
English summary.
- 41395 PRASAD, R. Slow acting nitrogenous fertilizers and nitrification inhibitors. Fert. News 11(11):27-32, Ref. Nov. 1966. 57.8 F4123
- 41396 RAJANI, H. J. Recovery of potassium added to soil acidoids of Black, Red, laterite and alluvial soils of western India. Indian J. Agr. Sci. 36(1):40-46, Ref. Feb. 1966. 22 Ag83F
- 41397 RID, H., and SCHIECKE, I. Chemical investigations of the heavy soils of eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5): 57-67, 1965. 18 L24
- 41398 RZHAKSINSKAYA, M. V. Dispersed chemical elements in soils and plants of eastern Ebrus territory. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 2:197-200, 1965. 442.8 N22
- 41399 SHAINBERG, I., and KEMPER, W. D. Ion exchange equilibria on montmorillonite. Soil Sci. 103(1):4-9, Ref. Jan. 1967. 56.8 So3
- 41400 SIROVY, V. Clay minerals in the soils of Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):697-700, June 1966. 64.9 C33
German summary.
- 41401 SKENE, J. K. M., and others. A survey of soil and plant tissue testing activities in Australia. Australian Inst. Agr. Sci. J. 32(3):159-172, Ref. Sept. 1966. 23 Au74
W. J. Hosking, K. C. Leverington, J. S. Russell, and C. H. Williams, joint authors.
Chemical analysis.
- 41402 STANTON, R. E., McDONALD, A. J. The colorimetric determination of boron in soils, sediments and rocks with methylene blue. Analyst 91(1089):775-778, Dec. 1966. 382 An1
- 41403 TYURDENEVA, S. A. Salts in soils of the Volga Delta. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:189-196, 1965. 442.8 N22
- 41404 WANG, T. S. C., YANG, T. K., and CHENG, S. Y. Amino acids in subtopical soil hydrolysates. Soil Sci. 103(1):67-74, Ref. Jan. 1967. 56.8 So3
- 41405 ZAITSEV, B. D. Determining the effect of exchangeable calcium on content of total nitrogen and organic matter in soil horizon. (Rus) Pochvovedenie 12:40-42, 1966. 57.8 P34
English summary.
- 41406 ZAVARZIN, V. I., and BELAEVA, T. V. Effect of herbicides on content of nutritional minerals in soils. (Rus) Khim. Sel'skom Khoz. 4 (10):34-36, Oct. 1966. 385 K524

Soil Biology

- 41407 ACOSTA-SOLIS, M. Green manure and legumes. (Sp) Credito Rural (ser.2)172:9, Oct. 1966. 284.28 C863
Nitrogen fixation by legumes; also discusses the importance of manure.
- 41409 AMBROZ, Z. On some causes of different occurrences of proteases in soils. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(11):1203-1210, Nov. 1966. 64.9 C33
English summary.
- 41409 BARDIN, R. In vitro study of organic nitrogen mineralization of dry grass plots in Haute Durance. (Fr) Acad. Sci. Compt. Rend. Ser. D, 263(18):1303-1305, Nov. 2, 1966. 505 P21
- 41410 BECK, T., and POSCHENRIEDER, H. Microbiological investigations of some heavy soils of eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):77-84, 1965. 18 L24
- 41411 CHAKO, C. I., LOCKWOOD, J. L., and ZABIK, M. Chlorinated hydrocarbon pesticides; degradation by microbes. Science 154(3751):893-895, Nov. 18, 1966. 470 Sc12
On DDT, dieldrin and PCNB in soils.
- 41412 CUMBERLAND, G. L. B. Success of clover inoculation trials in Northland. New Zeal. J. Agr. 112(6):25, 27-28, June 1966. 23 N48J
- 41413 DI MENNA, M. E. Yeast in soils spray-irrigated with dairy factory wastes. New Zeal. J. Agr. Res. 9(3):576-589, Ref. Aug. 1966. 23 N48Z
- 41414 ENWEZOR, W. O. Significance of the C: organic P ratio in the mineralization of soil organic phosphorus. Soil Sci. 103(1):32-35, Ref. Jan. 1967. 53.3 So3
- 41415 EREN, J. Growth and activity of Arthrobotrys conoids in soil. Diss. Abstr., Sect. B, 27(1): 53B, July 1966. Z5055.U49D53
- 41416 FRASER, M. E. Pre-inoculation of lucerne seed. J. Appl. Bacteriol. 29(3):587-595, Dec. 1966. 448.39 So12
Rhizobium meliloti.
- 41417 GERO, MRS. R., and others. A biochemical study of humus and humic-like substances synthesized by microorganisms, according to their molecular weight. (Fr) Inst. Pasteur. Ann. 111(6):750-767, Ref. Dec. 1966. 448.3 An75
C. Hardisson, L. Le Borgne, and G. Pignaud, joint authors.
English summary.

- 41418 GLYAROV, M. S. Soil-dwelling animals as components of biocoenoses. (Rus) Zhur, Obshch. Biol. 26(3):276-289. Ref. May/June 1965. 442.8 Z6
English summary.
- 41419 GYUROV, G., VOINOVA, ZH., and PENEV, T. Quantity and species composition of microflora of some Bulgarian forest soils. (Bu) Visshe Selskospanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):281-289. 1965. 106.3 P72
German summary.
Bacteria and fungi.
- 41420 HAMDY, H., and others. The effect of bacterial inoculation and phosphatic fertilization on some legumes in a sandy loam soil of the U.A.R. J. Soil Sci. United Arab Repub. 6(1):1-16. Ref. 1966. 56.8 J825
S. Taha, A. El-Damaty, and A. El-Sherif, joint authors.
- 41421 HOLLAND, A. A. Serologic characteristics of certain root-nodule bacteria of legumes. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(4):410-418. Ref. 1966. 448.8 N28A
Rhizobium trifolii associated with eleven species of clover.
- 41422 KELLY, M., POSTGATE, J. R., and RICHARDS, R. L. Reduction of cyanide and isocyanide by nitrogenase of Azotobacter chroococcum. Biochem. J. 102(1):1C-3C. Ref. Jan. 1967. 382 B52
- 41423 KHAN, A. A. Effect of metasytostox and folidol on some microbiological processes in soil. 1. Nitrification and CO₂ evolution from soil respiration. West Pakistan J. Agr. Res. 3(4):145-151. Dec. 1965. 22 W52
- 41424 KOVAL'SKII, V. V., EERMAKOV, V. V., and LETUNOVA, S. V. Adaptation of soil bacteria, Actinomycetes and fungi to the natural content of selenium in their habitat. (Rus) Zhur, Obshch. Biol. 26(6):634-645. Ref. Nov./Dec. 1965. 442.8 Z6
English summary.
- 41425 LINDBERG, G. Life in the soil: microbiology of the solum. (Sw) Ny Jord 53(5):167-171. Oct. 1966. 282.28 N98
- 41426 MATHUR, S. P. Microbial utilization and degradation of soil humic acids. Diss. Abstr., Sect. B, 27(5):1340B-1341B. Nov. 1966. Z5055.U49D53
- 41427 MUTATKAR, V. K., and PRITCHETT, W. L. Effects of added aluminum on some soil microbial processes and on the growth of oats (Avena sativa) in Arredondo fine sand. Soil Sci. 103(1):39-46. Ref. Jan. 1967. 55.8 So3
- 41428 NOVAK, B. Relation of the conversion of substance and energy of organic substances in the process of humification. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):709-711. June 1966. 64.9 C33
German summary.
- 41429 PILLAI, R. N. and SEN, A. Salt tolerance of Rhizobium trifolii. Indian J. Agr. Sci. 36(2):80-84. Apr. 1966. 22 Ag831
- 41430 RAGHU, K., and MACRAE, I. C. Occurrence of phosphate-dissolving micro-organisms in the rhizosphere of rice plants and in submerged soils. J. Appl. Bacteriol. 29(3):582-586. Ref. Dec. 1966. 448.39 So12
- 41431 RASMUSSEN, O. E. Danish observations and experiences. (Ge) Lebendige Erde 4:170-172. (Cont.) July/Aug. 1966. 18 L49
Biological soil management.
- 41432 SEN, A. N., REWARI, R. B., and SEN, A. Effect of humus from tank silts on nitrogen fixation by Azotobacter. Indian J. Agr. Sci. 36(1):21-24. Feb. 1966. 22 Ag831
- 41433 SEN, A. N. Inoculation of legumes as influenced by soil and climatic conditions. Indian J. Agr. Sci. 36(1):1-7. Ref. Feb. 1966. 22 Ag831
Rhizobium strains from gram.
- 41434 SHEVTSOVA, I. I. Isolation of soil bacteria, actively dissolving calcium phosphate. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:175-177. 1965. 442.8 N22
- 41435 SWIEZYNSKA, H. From the investigations into the occurrence of yeasts in sandy soils. (Pol) Warsaw. Inst. Badawczy Lesnictwa Prace 303/307:127-148. Ref. 1966. 99.9 W263
English summary.
- 41436 TOMOV, A., and TODOROV, T. Sensitivity and specificity of combined rapid method for detection of anthrax spores in the soil. (Rus) Zh. Mikrobiol. Epidemiol. Immunobiol. 10:62-66. Oct. 1966. 448.3 Z4
English summary.
- 41437 UNGER, H. The mineralization of various organic substances in grassland soil. (Ge) Zentralbl. Bakteriell. Parasitenk. Infektionskrankh. Hyg. Abt. II, Naturwiss. 120(4):411-426. Ref. 1966. 448.3 C33
English summary.
- 41438 WEAKLY, H. E., MCCALLA, T. M., and HASKINS, F. A. Size distribution of soil aggregates as influenced by microorganisms. Soil Sci. 103(1):75-77. Jan. 1967. 56.8 So3
- 41439 YANGULOVA, I. V. Species composition and antagonistic properties of fungi distributed in rhizosphere of various plant families. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:108-111. 1965. 442.8 N22
Gramineae, Leguminosae, and Compositae; effects on soil bacteria.

Soil Genesis, Formation, Classification, and Mapping

- 41440 BEDRNA, Z. Soil types of the Eastern Slovakia lowlands. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):671-674. Ref. June 1966. 64.9 C33
German summary.
- 41441 BORCHERT, H. Micro-morphological investigations of soil profiles in eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):85-94. 1965. 18 L24
- 41442 BRIGHT, W. E., and others. Soil survey of Tippah County, Mississippi. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1963(1), 96 p., map. Ref. Feb. 15, 1966. 56.325
- 41443 W. I. Smith, M. C. Tyler, W. L. Watts, R. C. Carter, H. S. Galberry, and W. W. Nye, joint authors.
Mississippi Agricultural Experiment Station, cooperating.
- 41443 BRUNNACKER, K., and DIEZ, T. Field soil science investigations in eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):7-12. 1965. 18 L24
Types and profiles.
- 41444 EHWARD, E., and LIEBEROTH, I. Problems of soil mapping in People's Republic Germany. (Ge) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):620-624. June 1966. 64.9 C33
- 41445 FENTON, T. E. Soils, weathering zones, and landscapes in the upland loess of Tama and Grundy Counties, Iowa. Diss. Abstr., Sect. B, 27(1):21B-22B. July 1966. Z5055.U49D53
- 41446 FRIDLAND, V. M. Soil maps, cartograms, properties of soils and other scientific data applied to the solution of improvement and fertility of soils for farming in the Soviet Union. (Rus) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):625-630. June 1966. 64.9 C33
German summary.
- 41447 GEREL, L. Problems of mapping soils used for farming in Hungary. (Ge) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):638-643. June 1966. 64.9 C33
- 41448 GLETT, O. Moisture regime of carbonate and alluvial Chernozem soils formed on loess layers. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(7):721-734. July 1966. 64.9 C33
English summary.

- 41449 GORMAN, J. L., PASTO, J. K., and CROCKER, C. D. Soil survey of Berkeley County, West Virginia. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1960(30), 141 p., map. Ref. May 1966. 1 S32F
West Virginia Agricultural Experiment Station, cooperating.
- 41450 HARRIES, H. Soils and vegetation in the alpine and the subalpine belt of the Presidential Range [New Hampshire]. Diss. Abstr., Sect. B, 27(1):54B. July 1966. Z5055.U49D53
- 41451 JAATINEN, S. Geomorphological observations in the Shetland Islands. (Fi) Terra [Helsinki] 78(2):50-56, map. 1966. 20 T272
English summary.
- 41452 JURCA, V. Partial data on hydromorphic soils. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):649-653. June 1966. 64.9 C33
German summary.
Types, profiles and analysis.
- 41453 KOSIL, V. Results of the study of all soils of the Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):590-597. June 1966. 64.9 C33
German summary.
Includes classification.
- 41454 KOWALINSKI, S. Soil mapping in Poland. (Ge) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):631-637. Ref. June 1966. 64.9 C33
- 41455 LAG, J. Genesis of topsoil. (No) Ny Jord 53 (5):151-154. Oct. 1966. 282.28 N98
- 41456 LANG, D. M., and CARROLL, D. M. St. Kitts and Nevis. Reg. Res. Cent. Brit. Caribbean. Soil Land-Use Surv. 16,50 p., map. Ref. Aug. 1966. 56.9 R26
- 41457 MACIAS VILLADA, M. Development of soil classifications in the world. (Sp) Ingenieria Hidraul. Mex. Rev. 20(2):67-87. (Concl.) 1966. 290.8 In43
English summary, buff pages, p.III-IV.
Includes a translation of a paper on French soil classification, by G. Aubert.
- 41458 NAJMR, S. The effect of humus on the destructive process of permanently waterlogged soils. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:7-18. 1965. S604.A1V9
English summary.
Gley soils.
- 41459 NEMECEK, J. Soils of the Czechoslovak SSR in correlation with their concept in the most important foreign systems and neighboring countries. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):598-611. Ref. June 1966. 64.9 C33
German summary.
Genesis and classification.
- 41460 ORLOV, D. S., and GORSHKOVA, E. I. Size and shape of humic acid particles from Chernozem and soddy-podzolic soils. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:207-212. Ref. 1965. 442.8 N22
- 41461 PELISEK, J. Vertical soil zonality of the Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):612-619. Ref. June 1966. 64.9 C33
German summary.
Types.
- 41462 PIROLA, J. Field methods in geomorphological research. (Fi) Terra [Helsinki] 78(2):62-64. 1966. 20 T272
German summary.
- 41463 POCHVENNYI INSTITUT IMENI V. V. DOKUCHAEVA. Genesis i klassifikatsiya polupustynnykh pochv [Genesis and classification of semidesert soils]. Moskva, Nauka, 1966. 235 p. Ref. S598.P6
- 41464 POSPISIL, F. Humus in the soils of Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):701-708. June 1966. 64.9 C33
German summary.
- 41465 QUAM, A. N., and MCCLODA, N. A. Soil survey interpretation. Ohio Woodlands 5(2):18-19. Feb./Apr. 1967. 99.8 Oh34
- 41466 RID, H., ed. Untersuchungen zur Dynamik schwerer Boden. 3. Mitteilung: Boden in Ost-bayern [Investigations on the dynamics of heavy soils. Part 3. Soils in eastern Bavaria]. Bayer. Landwirt. Jahrbuch 42(spec.no.5), 101 p. 1965. 18 L24
Summary discussion of research results, by K. Brunnacker, T. Diez, E. Eberhard, H. Poschenrieder, T. Beck, H. Rid, I. Schiecke, A. Wagner, H. Zeidler, and H. Borchert, p.95-101.
- 41467 STEFANOVITS, P. Genesis and classification of sandy soils in the forest zone. (Ge) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):660-663. June 1966. 64.9 C33
- 41468 TOTH, J. Mapping and interpretation of field phenomena for groundwater reconnaissance in a prairie environment, Alberta, Canada. Int. Ass. Sci. Hydrol. Bull. 11(2):20-68, map. Ref. June 1966. 292.9 As7
- 41469 TRAMLEY, K. H. Changes of some properties of Gray Forest soils resulting from their utilization in agriculture. (Rus) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):664-670. June 1966. 64.9 C33
German summary.
- 41470 ULRICH, H. P. Soils. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p. 57-90, map. Ref. 1966. QH105.I6L5
- 41471 U. S. SOIL CONSERVATION SERV. Soil survey of Love County, Oklahoma, by A. J. Maxwell and R. Reasoner. Washington, 1966. 94 p., map. asS91.A3M32
Oklahoma Agricultural Experiment Station, cooperating.
- 41472 U. S. SOIL CONSERVATION SERV. Soil survey of Queen Annes County, Maryland, by E. D. Matthews, W. U. Reybold, J. R. Arno, F. C. Gladwin, R. I. Hall, F. Z. Hutton, L. W. Igen, L. E. Lindley, J. E. McCuen, and J. J. Stilwell. Washington, 1966. 117 p., map. Ref. asS91.A3M33
Maryland Agricultural Experiment Station, cooperating.
- 41473 U. S. SOIL CONSERVATION SERV. Soil survey of Seminole County, Florida, by A. L. Furman, H. O. White, D. E. Pettry, O. E. Cruz, R. M. Craig, and L. T. Stern. Washington, 1966. 83 p., map. asS91.A3F8
Florida Agricultural Experiment Station, cooperating.
- 41474 U. S. SOIL CONSERVATION SERV. Soil survey of St. Francis County, Arkansas, by J. L. Gray and V. R. Catlett. Washington, 1966. 81 p., map. Ref. asS91.A3G7
Arkansas Agricultural Experiment Station, cooperating.
- 41475 WAGNER, A. Forms of humus in the soil profiles of eastern Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.5):49-56. 1965. 18 L24
- 41476 WAMBEKE, A. VAN. Soil bodies and soil classifications. Soils Fert. 29(6):507-510. Dec. 1966. 241 Im7Sf
Review of the literature.
- 41477 WILDING, L. P., BROWN, R. E., and HOLOWAYCHUK, N. Accessibility and properties of occluded carbon in biogenetic opal. Soil Sci. 109(1):56-31. Jan. 1937. 53.9 S23
- 41478 WITTMANN, O., and BREIDER, H. Die Weinbergboden Frankens; eine zusammenfassende Darstellung auf Grund der Ergebnisse der in den Jahren 1957-1962 durchgeführten Weinberg-Bodenkartierung [The vineyard soils of Franconia; a summary description on the basis of data from the mapping of vineyard soils carried out in the years 1957-1962]. Bayer. Landwirt. Jahrbuch 43(spec.no.3), 254 p., map. Ref., p.251-254. 1966. 18 L24
- 41479 ZEINELABDINE, A., FATHI, A. H., and EL-ARKAN, M. Y. S. Study on the subdeltaic sandy formations and their effect on the adjacent soils of the Nile Delta, U.A.R. J. Soil Sci. United Arab Repub. 6(1):37-48. 1966. 56.8 J825

- 41480 ZONN, S. V., VASKEV, L. R., and KABRER MESTRE, P. An attempt of genetic classification of Cuba soils. (Rus) *Pochvovedenie* 12: 17-30, 1966. 57.8 P34

SOIL MANAGEMENT

- 41481 HEYNITZ, Heavy soils—wet year. (Ge) *Lebendige Erde* 4:152-154. July/Aug. 1966. 18 L49
Management.
- 41482 NATIONAL WATERSHED CONGRESS, 13, OKLAHOMA CITY, 1966. [Proceedings.] n.p., 1966. 165 p. 292.9 N212
Theme: New Tests in America's River Basins.
- 41483 NEW MEXICO WATER CONFERENCE, 10, UNIVERSITY PARK, 1965. Proceedings; theme: People and water in river basin development. University Park, 1965. 126 p., map. 292.9 W297
- 41484 QASHU, H. K. Estimation of the elements of the water balance of an ephemeral stream channel with riparian vegetation. Diss. Abstr., Sect. B, 27(5):1342B. Nov. 1966. Z5055.U49D53
For watershed management.
- 41485 TROCME, S., and GRAS, R. Soil management in fruit culture: results of an experiment with apples. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(12):886-896. June 29, 1966. 14 P215Bc
Includes discussion.
- 41486 WILHELM, F. Working and influencing of soil animal life. (Ge) *Lebendige Erde* 4:154-159. July/Aug. 1966. 18 L49
- 41487 WOODS, L. G. The possibilities of increasing water yield through management. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.: 85-93, map. 1965. 292.9 W297
Watersheds.

Soil Fertility

- 41489 AICHINGER, F. Fertilizers, tillage, training and pest control during the vegetative period. (Ge) *Winer* (ser. 7) 22:152-153. July 1966. 95.8 W73
Grapes.
- 41489 ANSORGE, H. The effect of straw fertilizing on yield and soil fertility. (Ge) *Feldwirtschaft* 7(11):589-592. Ref. Nov. 1966. 18 W763
Field crops.
- 41490 ANZORGE, KH. One time application of potassium and phosphorus fertilizers last for several years. (Rus) *Khim. Sel'skom Khoz.* 4(10):9-11. Oct. 1966. 385 K524
Field crops.
- 41491 ARMASESCU, I. Results of the determination of amounts of organic and mineral fertilizers and the depth of their application under the clearing of land in the viticultural area of Greaca. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:801-812. 1963/64, pub. 1966. 86 R862
French summary.
- 41492 BAER, J., and KRISTAN, F. Relation between conditions of plant nutrition and plant production in the Pelhrimov district. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(7):787-797. July 1966. 64.9 C33
English summary.
Mineral fertilizers for potatoes, minerals in soil and potato yields.
- 41493 BALLATORE, G. P. Fertilizing of hard wheats. (It) *Agricoltura* 15(12):74-78. Ref. Dec. 1966. 16 Ag8226
- 41494 BALLATORE, G. P. Results of experiments on bush redpepper fertilization. (It) Palermo. Univ. Ist. Agron. Gen. Colt. Erbacee. Quad. Agron. 2:67-84. 1966. 16 P172
English summary.
- 41495 BASHINSKAYA, L. V. Applying lime and molybdenum on broadbeans. (Rus) *Agrokhi-miya* 2:77-82. Ref. Feb. 1965. 385 Ag89

- 41496 BERNIER, B. Fertilité des sols forestiers et rentabilité de la fertilisation en forêt naturelle [Fertility of forest soils and rentability of fertilizing of natural forest stands]. Québec. Univ. Laval. Fonds Rech. Forest. Bull. 9, 21 p. Ref. 1966. 99.9 Q362T
English summary.
- 41497 BHOJ, R. L., and SINGH, I. P. Fertilising cotton. *Fert. News* 11(11):9-11. Nov. 1966. 57.8 F4123
- 41498 BIGOURDAN, J. Ten years fertilizer progress in the Loire region. (Fr) *Bull. Engrais* 491: 129-135, map. June/July 1966. 57.8 B87
Chiefly field crop fertilizing.
- 41499 BJELKE-HOLTERMANN, A. Fertilizing with liquid ammonia; technical problems and practical experience. (Sw) *Vaxt-Narings-Nytt* 2(4):9-14. 1966. 57.8 V47
English summary, p. 2 of supplement.
- 41500 BLAJA, D., and others. Determination of the kind and quantity of fertilizers for young apple stands in the northern Oltenia. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:503-513. Ref. 1963/64, pub. 1966. 86 R862
T. Tudor, C. Ionita, and V. Burcu, joint authors.
French summary.
- 41501 BOTEZ, M. I., and others. Results of the application of organic and mineral fertilizers in Tulea Gras plum variety stands. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:535-542. 1963/64, pub. 1966. 86 R862
M. Straulea, I. Foalea and V. Moiescu, joint authors.
French summary.
- 41502 BOTTAZZI, A. Nitrogen fertilizing of wheat. (It) *Avvenire Agr.* 74(2):34-36. Feb. 1966. 16 Av9
- 41503 BOYAROVICH, N. M. Methods and dates for fertilizer application on corn grown on irrigated fields. (Rus) *Khim. Sel'skom Khoz.* 4(10):2-4. Oct. 1966. 385 K524
- 41504 BURG, P. F. J. VAN. A spraying of sugar beets with urea. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(12):357-359. Dec. 1966. 12 N383M
- 41505 CALDWELL, A. C., SEIM, E. C., and REHM, G. Low sulfur and alfalfa. 1. Crops Soils 19(1):16-17. Oct. 1966. 6 W55
Effects on alfalfa yields of sulfur fertilizing.
- 41506 CANTELE, A., GIARDINI, L., and PIMPINI, F. Experimental research on mineral fertilizing of tomatoes. I. Phosphorus and potassium. (It) *Agr. Venezia* 20(6):303-338. Ref., p. 335-338. June 1966. 16 Ag826
- 41507 CARUSO, P. Results of experiments on artichoke fertilization. (It) Palermo. Univ. Ist. Agron. Gen. Colt. Erbacee. Quad. Agron. 2:85-100. Ref. 1966. 16 P172
English summary.
- 41508 CERVATO, A. Influence of the nature of the soil and fertilizing on the quantity and quality of forage. (It) *Terra Trentina* 12(6):215-219. 221-230. June 1966. 16 T277
- 41509 COLLIER, D. On the nitrogenous fertilizing of alternating crops in the clay-calcareous soils of Limagne and in mountain granitic soils of Auvergne. (Fr) *Ann. Agron.* 17(3):219-249. Ref. 1966. 14 F8499
English summary.
- 41510 CONDEI, G., and TUDOR, T. Increasing effectiveness of lupine as green manure in grape stands of the Dragasani area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:765-775. Ref. 1963/64, pub. 1966. 86 R862
French summary.
With the additional application of mineral fertilizers.
- 41511 CONDEI, G., and others. Studies on the increase of the effectiveness of mineral fertilizers for grape stands of the Dragasani area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:787-800. Ref. 1963/64, pub. 1966. 86 R862
P. Ionescu, T. Tudor, and G. Butanescu, joint authors.
French summary.

- 41512 COSTAN, G., and others. Soil fertility of the main viticultural regions of Rumania. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:131-142. Ref. 1963/64, pub. 1966. 86 R862
C. Rautu, T. Tudor, A. Bottez, A. Ghidia, M. Popescu, P. Popa, G. Condel, G. Braguta, I. Grecu, L. Mihalache, and V. Duschin, joint authors.
French summary.
- 41513 DAMASKA, J. Problem of improvement of soil fertility in Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6): 644-648. June 1966. 64.9 C33
German summary.
- 41514 DANI, R. P., and JOSHI, K. V. Sugarcane cultivation on "D" type soil. I-II. Indian Sugarcane J. 9(3):181-192. Ref. Apr./June 1965. 65.8 In27
- 41515 DARRIGRAND, LABORDE, and DUTHEN, G. Nitrogen fertilizing of corn in the Adour Basin. (Fr) Bull. Engrais 491:145-149. June/July 1966. 57.8 B87
- 41516 DAVIDESCU, D., and others. Application of mineral fertilizers in apple culture. (Rum) Gradina, Via Livada 15(9):26-33. Ref. Sept. 1966. 80 G75
N. Ghena, N. Copciu and E. Teodorescu, joint authors.
English summary.
- 41517 DEGAN, A., and ZAMPIERI, E. Fertilizing irrigation in Italy. (Fr) France. Min. Agr. Bull. Tech. Inform. 211:551-553. July/Aug. 1966. 14 F844B
By using sprinklers.
- 41518 DMITRENKO, P. A., and VITRIKHOVSKII, P. I. Response of legumes to fertilizers. (Rus) Agrokhimiya 2:134-151. Ref. Feb. 1966. 385 Ag89
- 41519 DOBIAS, A., and TURCANY, J. Yields of rotated field crops with and without green manuring in the corn production regions. (Cz) Pol'nohospodarstvo 12(10):794-801. 1966. 19.5 P752
- 41520 DREWS, M. Increase of yields with the analysis of nutritional substances. (Ge) Deut. Gartenbau 13(5):121-124. May 1966. 80 G1948
As basis for fertilizers for vegetables.
- 41521 DRYSDALE, A. D., STRACHAN, N. H., and CASTLE, M. E. Liquid manure as a grass-land fertilizer. IV-V. J. Agr. Sci. [London] 67(3):337-343, 397-404. Ref. Dec. 1966. 10 J822
- 41522 DULLUM, N. Fertilizing of fruit trees. (Da) I Erhvervsfrugtavlere 33(12):478-479. Dec. 1, 1966. 80 Er3
- 41523 DUMITRESCU, M., and GHIDIA, A. Various composts as fertilizers. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7: 119-130. Ref. 1963/64, pub. 1966. 86 R862
French summary.
Effect on tomato yields.
- 41524 ENGEI, T. H. Hana to ueki no hiro hyakka; jozu na tsukaikata, sodatekata [A handbook on fertilizers of flowers and trees]. Tokyo, Seibundo, Shinkosha, 1966. 166 p. (Shin Engei Techo) S667.A2E5
- 41525 ENGELSTAD, O. P., and TERMAN, G. L. Fertilizer nitrogen: its role in determining crop yield levels. Agron. J. 58(5):536-539. Ref. Sept./Oct. 1966. 4 Am34P
Corn and cotton.
- 41526 FADDA, G. S., and ZUCCARDI, R. B. Study and fractionation of humus under different conditions of vegetation in Tucuman. I. (Sp) Rev. Agron. Noroeste Argent. 4(2):181-185. 1965. 9 R3222
English summary.
- 41527 FONTAINE, L. Dawn of modern forestry. III. Fertilizing in forestry intensification. (Fr) Bull. Engrais 491:139-143. June/July 1966. 57.8 B87
- 41528 FORSBACKA, M. Views on forest fertilizing. (Sw) Skogsbruket 35(12):343, 345-346. 1965. 99.8 Sk59
Finland.
- 41529 FREI, E. What is soil fertility? (Ge) Mitt. Schweiz. Landwirt. 14(1):9-14. Jan. 1966. 17 M69
- 41530 GANIE, T. J., PAGE, A. L., and MARTIN, J. P. Foliar application of potassium nitrate. Calif. Citrogr. 51(12):493, 495-496, 500-501. Ref. Oct. 1966. 80 C125
- 41531 GATKE, R. Improvement of the fertility of sandy soils. (Ge) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):675-684. Ref. June 1966. 64.9 C33
- 41532 GILL, M. S., and NAZIR, M. S. Effect of nitrogen rate, time of application and irrigation levels on the number and size of potato tubers. Agr. Pakistan 16(3):321-324. Sept. 1965. 22 Ag832
- 41533 GRISOLLE, J. P. Application of fertilizing irrigation. (Fr) France. Min. Agr. Bull. Tech. Inform. 211:525-538. July/Aug. 1966. 14 F844B
- 41534 GROZA, T. The effect of fertilizers on the yields of plum stands. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:515-522. 1963/64, pub. 1966. 86 R862
French summary.
- 41535 GROZA, T. Study of the application of fertilizers for young plum stands in Subcarpathian Moldavia. (Rum) Gradina, Via Livada 15(9):34-38. Sept. 1966. 80 G75
- 41536 GRUNDLINGH, C. F. Nutrient movements in the soil. Farming S. Afr. 42(8):23, 25. Nov. 1966. 24 S0842
- 41537 GUPTA, M. B. S. Cumulative effect of inorganic fertilizers, organic manures and their combination on the yield and chemical composition of wheat in calcareous soil. Indian J. Agr. Sci. 36(3):105-110. June 1966. 22 Ag831
- 41538 HAKEN, D. Fertilizing meadow soils and improving the composition of grasses by peat-faecal composts. (Cz) Vyzkumn. Ustav Meliorac. Ved. Prace 7:45-60. Ref. 1965. S604.A1V9
English summary.
- 41539 HAMISSA, M. R., and others. The effect of nitrogen fertilization on sorgo. Agr. Res. Rev. 44(1):91-98. Jan. 1966. 24 Eg94
M. T. Eid, E. E. Khaaqa, M. A. Elssmei, A. H. Nour, A. S. Selim, M. A. El-Kholy, and Y. S. Botros, joint authors.
United Arab Republic.
- 41540 HEDDLE, R. G. The after-effects of varying rates of spring application of nitrogen and of dates of first defoliation on the yield and botanical composition of a grass/clover sward. Brit. Grassland Soc. J. 21(4):251-257. Ref. Dec. 1966. 60.19 B773
- 41541 HRBACEK, J., and AMBROZOVA, M. Long-term tests with the surface and plowing-in application of mineral fertilizers for three field crops. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(11):1165-1174. Ref. Nov. 1966. 64.9 C33
English summary.
Barley, sugar beets and wheat.
- 41542 IL'IN, V. Liming soddy-podzolic soils for potato planting. (Rus) Kartofel' Ovoshchi 10: 10-13. Oct. 1966. 75.8 K147
- 41543 IVANOVA, A. Effect of mineral fertilizers on quantity and quality of wheat yields. (Bu) Viss. Selskospanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):83-93. Ref. 1965. 106.3 P72
German summary.
- 41544 IYER, J. G., and WILDE, S. A. Fertility of forest soils; theory and reality. (Fr) Quebec. Univ. Laval. Fonds Rech. Forest. Bull. 8:15-21. Ref. 1966. 99.9 Q362T
English summary.
Studies on Wisconsin.
- 41545 JAISINGHAN, C. J., GUPTA, V. K., and JAIN, S. V. Response of sugarcane to fertilization in desert soils of Rajasthan under canal irrigation. Indian Sugarcane J. 9(3):161-163. Ref. Apr./June 1965. 65.8 In27

- 41546 JATYEB, E. O., and BOULDIN, D. R. Influence of fertilizer and manure additions and crop rotations on nonexchangeable ammonium content of two soils. *Soil Sci.* 103(1):16-22. Ref. Jan.1967. 56.8 833
- 41547 JAKATE, N. Role of potash in India's agricultural economy. *Fert. News* 11(11):12-16. Nov. 1966. 57.8 F4123
Chiefly fertilizing of wheat and rice.
- 41548 JANSSEN, S. L. Actual points of view on liquid ammonia as a nitrogen fertilizer. (Sw) *Vaxt-Narings-Nytt* 22(4):1-8. 1966. 57.8 V47
English summary, p.1 of supplement.
Grain and sugar beet fertilizing.
- 41549 JANSSEN, S. L. Liquid manure from the viewpoint of crop culture. (Sw) *Var Naring* 43(3):70-71. 1966. 44.8 M692
- 41550 JEATER, R. S. L. Liquefied ammonia in agriculture. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(11):542-547. Nov.1966. 10 G79J
Anhydrous ammonia fertilizer on field crops and potatoes.
- 41551 JELINEK, K., and AMBROZOVA, M. The effect of the application of fertilizers, of tillage and of the rotation of crops on chemical and biological changes in Chernozem soils. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(8):897-918. Ref. Aug.1966. 64.9 C33
English summary.
- 41552 JOHANSSON, O. Is liming a neglected measure? (Sw) *Vaxt-Narings-Nytt* 22(4):15-18, map. 1966. 57.8 V47
English summary, p.15 of supplement.
- 41553 JUNGMEIER, W. Fertilizing of spruce plants in conditions of extreme frost. (Ge) *Presse-Umschau* 17(3):2-4. 1966. 19 L237
Austria.
- 41554 KABISCH, H. Measures and means for the enlivening and nutrition of arable soils (use of organic auxiliary fertilizer). (Ge) *Lebendige Erde* 4:148-151. July/Aug.1966. 18 L49
- 41555 KARDAVANI, P. Gefassversuche zur Wirkung verschiedener Stickstoffdunger auf Salzboden neben Stroh- und Schafkotdungung [Pot experiments on the effect of various nitrogen fertilizers on saline soils with straw and sheep manure fertilizing]. *Bonn. Univ. Landwirt. Fak. Inaug.-Diss.* 5,109 p.,map. Apr.27,1966. 105.8 B644
Bibliography, p.91-109.
- 41556 KELEG, F. M., BAGHDADI, H. A., and MINESY, F. A. Nitrogen fertilization of balady mandarin and Washington navel orange with urea foliar sprays. *Alexandria J. Agr. Res.* 13(2):233-256. Ref. July 1965. 24 AL2
- 41557 KERANEN, T. Pargas potassium; potassium fertilizer and liming material in one. (Sw) *Tidskr. Lantman Andersfolk* 7:181. Apr.15, 1966. 20 T43
- 41558 KHAN, A. A. Phosphorus requirements of wheat crop in Peshawar region. *West Pakistan J. Agr. Res.* 3(4):1-9. Dec.1965. 22 W52
Fertilizers.
- 41559 KLEBESADEL, L. J., and BRINSMAN, J. C. Response of two alfalfas (*Medicago sativa* L. and *M. falcata* L.) to time and rate of potassium application in the subarctic. *Agron. J.* 58(5):545-549. Ref. Sept./Oct.1966. 4 Am34P
Alaska.
- 41560 KLINGER, F. Garden earths in the mirror of soil research. (Ge) *Presse-Umschau* 17(3):4-5. 1966. 19 L237
Fertilizing of fruit, vegetables, and ornamental plants in Austria.
- 41561 KONDRAT'EV, I. G., and PODKOLZINA, G. V. Effect of urea in field experiments. (Rus) *Agrokimiya* 2:3-15. Feb.1966. 385 Ag89
Applied on field crops in different geographical soil zones.
- 41562 KOPER, S. Some methods of the evaluation of requirements of pastures in phosphorus and potassium fertilizers in the light of tests with fertilizers. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(11):1175-1188. Ref. Nov.1966. 64.9 C33
English summary.
- 41563 KOVATS, F. Increased lucerne and red clover seed yield with foliar mineral element fertilizing. (Hu) *Magyar Mezogazdasag* 22(1):14. Jan.4,1967. 19 M27
- 41564 KRAVCHENKO, S. N. Effect of mineral fertilizers on yields and corn quality. (Rus) *Khim. Sel'skom Khoz.* 4(10):5-8. Oct.1966. 385 K524
- 41565 LAKSHMIKANTHAM, M., and others. Studies on the relative merits of different inorganic fertilizers as suppliers of nitrogen to sugarcane in Andhra Pradesh. *Indian Sugarcane J.* 9(3):164-170. Ref. Apr./June 1965. 65.8 In27
S. K. Sastry, E. J. Rao, K. K. P. Rao, M. R. Rao, and A. Venkatachary, joint authors.
- 41566 LANZA, F. Fertilizing of wheat and minor grains. (It) *Agricoltura* 15(12):69-73. Dec. 1966. 16 Ag8226
- 41567 LITTLE, E. C. S. Mass fertilizer distribution from the air. *World Crops* 18(3):22-26. Sept. 1966. 281.8 W892
For rice crops, in Asia.
- 41568 LUCKHARDT, R. L. Agronomy of solutions containing polyphosphates. *Agrichem. West* 10(1):12-13,16. Ref. Jan.1967. 381 Ag85
Fertilizers.
- 41569 MANASYAN, V. A. Effectiveness of fertilizers depending on providing soils with accessible nutritional substances. (Rus) *Khim. Sel'skom Khoz.* 4(10):57-60. Oct.1966. 385 K524
Field crops used in experiment.
- 41570 MAURY, P. Adaptation of fertilizing irrigation in various cultures. (Fr) *France. Min. Agr. Bull. Tech. Inform.* 211:537-550. July/Aug.1966. 14 F844B
- 41571 MCCARRICK, R. B., and WILSON, R. K. Effects of nitrogen fertilization of mixed swards on herbage yield, dry matter digestibility and voluntary food intake of the conserved herbage. *Brit. Grassland Soc. J.* 21(3):195-199. Sept.1966. 60.19 B773
- 41572 MJOJOLA, J. C. DE. Ten year's fertilizer evaluation in the Limousin region. (Fr) *Bull. Engrais* 493:203-208, map. Oct./Nov.1966. 57.8 B87
Grain and pasture fertilizing.
- 41573 MOTIAL, V. S. Fertilize your Ambri variety of apple for better returns. *Fert. News* 11(12):34-35. Dec.1966. 57.8 F4123
- 41574 MRACZEK, M. Nitrogen fertilizing of grain—only a matter of feeling? (Ge) *Presse-Umschau* 17(3):5-7. 1966. 19 L237
Austria.
- 41575 NIJJAR, G. S., and NAURIYAL, J. P. Manuring of citrus in India—a review. *Fert. News* 11(11):18-24. Ref. Nov.1966. 57.8 F4123
Review of literature.
- 41576 NOSSAMAN, N. L., and TRAVIS, D. O. Grain sorghum production on a calcareous cut site as influenced by phosphorus, zinc, and iron fertilization. *Agron. J.* 58(5):479-480. Sept./Oct.1966. 4 Am34P
- 41577 OFFUTT, M. S., HILEMAN, L. H., and STALLCUP, O. T. Effect of lime, phosphorus, and potassium on yield and composition of Korean lespedeza [*Lepespedeza stipulacea*]. *Ark. Agr. Exp. Sta. Bull.* 717,30 p. Ref. Oct.1966. 100 Ar42
- 41578 OLESEN, J. Economics in the use of nitrogen fertilizer for grain. (Da) *Landbonyt* 21(1):7-9. 12. Jan.1967. 11 L2322
- 41579 OLESEN, J. Potassium fertilizers. (Da) *Tidskr. Landkon.* 10:455-468. Dec.1966. 11 T43
Includes fertilizing of root crops.
- 41580 OOSTENDORP, D., and HARMSEN, H. E. Kalibestemming en gebruikswijze van grasland [Potassium fertilization and grassland management]. *Wageningen. Proefsta. Akker-Weidebouw. Publ.* 29,84 p. Sept.1966. 12 W12
English summary.
- 41581 PESSI, Y. Fertilizing of grain. (Sw) *Tidskr. Lantman Andersfolk* 7:166-167. Apr.15,1966. 20 T43
- 41582 PESSI, Y. Forest fertilizing on moraine. (Sw) *Skogsbruksk* 36(4):113,115. 1966. 99.8 SK59
Comments on article by H. von Scholtz.

- 41583 PETERSON, F. J., and others. Pre-plant and at-seeding fertilization of rice. *Rice J.* 70(1): 28. Jan. 1967. 59.8 R36
W. H. Patrick, M. D. Faulkner, F. E. Wilson, and E. A. Sonnier, joint authors.
- 41584 POPESCU, M., and MIHALACHE, I. Some aspects of the application of fertilizers on terraced vineyards of the Dealul Mare area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:95-105. 1963/64, pub. 1966. 86 R862
French summary.
- 41585 PUERTA, C. DE LA. Phosphorus in the olive. (Sp) Inform. Grasas Aceites. Bol. 4(5):204-206. July 1966. 307.8 In3
English summary, p.177.
Fertilizer.
- 41586 PUMPHREY, F. V. Low sulfur and alfalfa. 2. Crops Soils 19(1):16-17. Oct. 1966. 6 W55
Effects on alfalfa yields of sulfur fertilizing.
- 41587 RANDHAWA, M. S. The eighth wonder of the world. *Dhulia. Coll. Agr. Mag.* 5(1):31-35. Jan. 1966. 107.5 D533
Includes results obtained with the use of nitrogen fertilizer.
- 41588 RICO RODRIGUEZ, C. Notas sobre la fertilidad de los suelos tropicales y su mejoramiento [Notes on the fertility of tropical soils and their improvement]. Mex. Dir. Gen. Dist. Riego. Mem. Tec. 237,57 p. Sept. 1966. 292.9 M572
- 41589 ROCHE, P., VELLY, J., and CELTON, J. Problems of fertilizer regeneration of lateritic soils of Madagascar; remarks on the reverse action of mixed fertilizers administered to various types of Madagascar hill soils 1962-1966. (Fr) *Agron. Trop.* [Paris] 21(9):1054-1079. Sept. 1966. 26 Ag86
English summary.
- 41590 ROMBALDI, G. P. End of winter fertilizing of hill pastures. (It) *Avvenire Agr.* 74(2):47-49. Feb. 1966. 16 Av9
- 41591 RUSSELL, W. How to use turkey manure profitably. *Poultry Meat* 3(10):A70, A72-A73. Oct. 1966. 47.8 P8656
Field crops fertilizing.
- 41592 SALAM, M. A. A., SABET, S. A., and HASHISH, S. Factors affecting "A" values in some soils of Egypt. *J. Soil Sci. United Arab Repub.* 6(1): 17-28. 1966. 56.8 J825
- 41593 SANDVIK, M. Bark as a soil improver in plant production. *Food Agr. Organ. U.N. Europe. Forest. Comm. FAO/ECE/LOG/162:128-134.* 1966. 99.9 F73Fe
- 41594 SCHUTTE, H. Grassland fertilizing problems. (Ge) *Mitt. Deut. Landwirt.-Ges.* 82(1):14-15. Jan. 5, 1967. 18 N39
- 41595 SEKERA, M. Mineral fertilizing and maintaining health of soils. (Ge) *Presse-Umschau* 17(3):7-9. 1966. 19 L237
- 41596 SERDEL, J. Application of fertilizers in forest stands. (Cz) *Les [Bratislava]* 22:291-295. 1966. 99.8 L5632
- 41597 SERRY, A., and others. Studies on nitrogen soil tests for soil fertility investigations. *Agr. Res. Rev.* 44(1):83-89. Ref. Jan. 1966. 24 Eg94
M. T. Eid, A. Mawardi, and E. S. Mishriki, joint authors.
Tests with nitrogen fertilizing of wheat, corn and rice for the determination of available nitrogen in Egyptian soils.
- 41598 SETH, G. R., and ABRAHAM, T. P. Response of rice crop to fertilizers in India. *Fert. News* 11(12):44-53. Dec. 1966. 57.8 F4123
- 41599 SIDDIKI, M. M., and NAQVI, S. T. A. Manuring of berseem. I. The effect of phosphorus alone and in combination with nitrogen on the yield of berseem (Egyptian clover). *West Pakistan J. Agr. Res.* 3(4):57-62. Ref. Dec. 1965. 22 W52
- 41600 SILVA, J. A. Liquid vs. solid fertilizers. *Weeds Trees Turi* 5(3):8-10, 16. Mar. 1966. 79.8 W413
Chiefly application.
- 41601 SINGH, R., and TRIPATHI, U. S. Maize hybrids make better use of fertilizer when grown as a rabi crop. *Fert. News* 11(12):54-56. Dec. 1966. 57.8 F4123
- 41602 SLYADNEV, A. P. Factors contributing to the effectiveness of nitrogen fertilizer in pine plantations growing on a dry site. (Rus) *Les. Zh.* 5:3-6. 1965. 99.8 Iz8
- 41603 SMIRNOVA, E. Fertilizers, yields and potato quality. (Rus) *Kartofel' Ovoshchi* 10:13-15. Oct. 1966. 75.8 K147
- 41604 STANCHEV, L., and others. Fertilization of corn under irrigated conditions. III. Aftereffect of fertilizers used on corn fields on quantity and quality of yields of wheat, variety Akerman 804. (Bu) *Vishv Selskostopanski Inst. "Vasil Kolarov."* Nauch. Tr. 14(1):127-144. 1965. 106.3 P72
I. Matev, S. Gorbanov, and G. Stoilov, joint authors.
German summary.
- 41605 STANTON, D. A. The leaf analysis service. *S. Afr. Citrus J.* 394:3, 5, 7, 9, 11, 13, 17, 27. Oct. 1966. 80 C495
- 41606 STEFFENS, G. L., and MILES, J. D. Plastic-covered plant beds for flue-cured tobacco. II. Soil fertility and plant nutrition as affected by fertilizer rate, soil moisture level and ventilation temperature. *Tobacco [New York]* 164(2): 27-33. Ref. Jan. 13, 1967. 286.89 T552
- 41607 STOICESCU, M., and PAUNEL, I. Determination of the amounts of application of mineral fertilizers for tomatoes, onions and autumn cabbage. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:229-240. 1963/64, pub. 1966. 86 R862
French summary.
- 41608 THIOLLET, P. Influence of climate on yield of wheat in the West Central Region. (Fr) *Bull. Engrais* 493:197-201. Oct./Nov. 1966. 57.8 B87
Chiefly on influence of precipitation on nitrogen fertilizing of wheat.
- 41609 THOMPSON, L. Agronomic evaluations of an Arkansas rock phosphate. *Ark. Acad. Sci. Proc.* 20:11-16. 1966. 500 Ar42
- 41610 THUNG, T. P. Influence of phosphate fertilization in tea. (In) *Menara Perkebunan* 34(11/12): 265-269. Ref. Nov./Dec. 1965. 22.5 B45
English summary.
- 41611 TOLHURST, J. A. H., FERNANDO, L. H., and TILLEKERATNE, L. M. DE W. Zinc foliar sprays: recommendations-1966. *Ceylon, Tea Res. Inst. Tea Quart.* 37(2):73-74. June 1966. 68.18 C33
- 41612 ULMANN, L. The effect of the increased doses of nitrogen with balanced ratios of phosphorus and potassium oxides on yields of foreign varieties of oats. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(7):735-744. Ref. July 1966. 64.9 C33
English summary.
- 41613 VANEK, J., and others. The effect of various methods of application of mineral fertilizers during the tillage on properties of soils and on yields of some crops. (Cz) *Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba* 39(8):875-896. Ref. Aug. 1966. 64.9 C33
K. Ridky, F. Klaska, and A. Stranak, joint authors.
English summary.
Field crops.
- 41614 VARJO, U. The yield capability of arable soils in Finland. (Fi) *Terra [Helsinki]* 78(2):103-110, map. Ref. 1966. 20 T272
German summary.
- 41615 VATAGIN, A. V., and SEMENOV, S. A. Effects of fertilizers on lupine grown on soddy-podzolic soils in the non-Chernozem zone of the Russian SFSR. (Rus) *Agrokhimiya* 2:56-62. Feb. 1966. 385 Ag89
- 41616 VERLIERE, G. Manuring value of two plants used in trials of coffee mulching: *Thibodia diversifolia* and *Flemingia congesta*. (Fr) *Cafe, Cacao, The* 10(3):228-236. July/Sept. 1966. 68.8 C112
English summary.

- 41617 VLADU, C., and others. The effect of the application of fertilizers at the time of clearing the land for the planting of grapes under conditions of the Tirgu-Jiu plains. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:777-785. 1963/64, pub. 1966. 86 R862
G. Costan, T. Tudor, and I. Vladu, joint authors.
French summary.
- 41618 VOIGTLANDER, G. Effects of mineral and organic fertilizing on a twice-cut meadow. (Ge) Bayer. Landwirt. Jahrbuch 43(2):203-213. 1966. 18 L24
- 41619 VON BERG, D. A. Fertilization of vlei pastures. Farming S. Afr. 42(8):37,39,41. Nov. 1966. 24 So842
- 41620 WALSH, L. M. What's the best form of nitrogen—solid, liquid, or gas? Hoard's Dairyman 112(2):75. Jan. 25, 1967. 44.8 H65
For corn.
- 41621 WAROKAR, R. T., and KHOT, B. D. Response of jowar (*Sorghum vulgare*, Pers.) to nitrogen fertilization and specification of economic optimum. Dhulia. Coll. Agr. Mag. 5(1):20-23. Jan. 1966. 107.5 D533
- 41622 ZAGORODNAYA, K. P. Fertilizing hemp with phosphorus. (Rus) Len Komsomol 12:18-19. 1966. 73.8 L542
- 41623 ZANINI, E. The scientific bases for highly productive fertilizing. (It) Agricoltura 15 (12):63-68. Dec. 1966. 16 Ag8226
- Soil Tilth and Tillage
- 41624 EL-ABEDINE, A., HANNA, G. B., and EL-TOHAMY, F. Effect of deep ploughing on the production of some field crops. Agr. Res. Rev. 43(2):18-27. Apr. 1965. 24 Eg94
Effect of subsoiling on yields of cotton, horsebeans, and corn in United Arab Republic.
- 41625 EL-ABEDINE, A. Z., HANNA, G. B., and EL-TOHAMY, F. Studies on the effect of deep ploughing on some soil properties. Agr. Res. Rev. 43(2):8-17. Apr. 1965. 24 Eg94
Subsoiling in United Arab Republic.
- 41626 BAYONA, J. What should be done with grain stubble? (Sp) Inst. Agr. Catalan San Isidro. Rev. 115(9):163-164. Sept. 1966. 15 Sa5
Burning, burying, and harvesting as straw.
- 41627 CLAESON, S. Do not forget surface leveling. (Sw) Sodermanlands Lans Husallningssalsk. Arsbok 1965:48-51. 11 So1A
- 41628 DALLARI, F. Technological up-dating of the principal soil tillage. (It) Bull. Agr. (Milano) 100(21):1-2. Ref. Nov. 30, 1966. 16 B87
- 41629 DOMINY, P. F., and WORLEY, L. D. Design and construction techniques for parallel terraces. Amer. Soc. Agr. Eng. Trans. ASAE 9 (4):580-582. 1966. 290.9 Am32T
- 41630 FEUERLEIN, W. Plowing—production plowing—soil fertility. (Ge) Mitt. Deut. Landwirt.-Ges. 82(1):8,10-11. Jan. 5, 1967. 18 N39
- 41631 FIEDLER, J. Influence of different methods of pre-sowing seedbed preparation in sugar beet growing. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):967-976. Ref. Sept. 1966. 64.9 C33
English summary.
- 41632 FRENCH, G. W., and BLAKE, G. R. Primary tillage for potatoes. Amer. Potato J. 43(10):375-380. Ref. Oct. 1966. 75.8 P842
- 41633 FROST, K. R. Shallow strip tillage in seedbed preparation. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):456-457. 1966. 290.9 Am32T
- 41634 GALIEN, M. V. D. Making ridges for potatoes in the fall. (Du) Ned. Alg. Keuringsdienst Landbouwszaden Aardappelpootgoed. Meded. 23(4):26-28. Aug. 1966. 61.9 N28
- 41635 GRAF, J. Tilled grape soils in the light of great precipitation of 1965. (Ge) Winzer (ser.11)21:197-199. Nov. 1965. 95.8 W73
- 41636 GRECU, I., and POPA, P. Effects of deep plowing of interrows of old grape stands in the Minis-Maderata area. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:753-764. 1963/64, pub. 1966. 86 R862
French summary.
- 41637 HINRICHSSEN, K. Federal decision on rural youth competitions. (Ge) Ausbildung Beratung Land-Hauswirtsch. 19(11):213-216. Nov. 1966. 18 N11
Plowing contest.
- 41638 KONDAREV, R. Weediness of wheat fields depending on methods of basic soil tillage for preceding crop. (Bu) Visshe Sel'skospolanski Inst. "Vasil Kolarov." Nauch. Tr. 14(1):95-99. 1965. 106.3 P72
German summary.
- 41639 KONUPCIK, J. The effect of the speed of tillage on physical and mechanical properties of soils. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:129-138. 1965. HD1940.C95A1
French and German summaries.
- 41640 LARPER, G. Crop culture and tillage. (Sw) Tidskr. Lantman Andersfolk 8:202-203. Apr. 30, 1966. 20 T43
Grain, Finland.
- 41641 MUIRHEAD, W. A., and JONES, R. M. A note on the rate of slaking of plough furrows on a scaled surface. New S. Wales. Soil Conserv. Serv. J. 22(4):202-204. Oct. 1966. 56.9 N472
- 41642 NORTON, J. S. Plough, not axe, for poplar box (*Eucalyptus populnea*) control. Queensland Agr. J. 92(10):622-624. Oct. 1966. 23 Q33
In oat fields.
- 41643 NOVACEK, J., ZAPLETAL, A., and RIDKY, K. Various methods of subsoiling arable layers in the Podzol areas. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(8):833-852. Ref. Aug. 1966. 64.9 C33
English summary.
- 41644 OLVEGARD, P. The Stenfalt experiment. (Sw) Skaraborgs Lans Husallningssalsk. Tidsn. 6:105-106. Dec. 1965. 11 Sk1
Effects of tillage and equipment on soil structure.
- 41645 OVERCASH, J. P. Organic mulches improve strawberry plant growth. Org. Gard. Farming 14(2):58-60. Feb. 1967. 57.8 Or32
- 41646 POPESCU, C. V., and POPA, V. Tillage and improvement of soils for the planting of orchards on soils of low fertility. Brown and Brown Podzol in cismontane areas. (Rum) Bucharest, Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:433-450. 1963/64, pub. 1966. 86 R862
French summary.
- 41647 RUHM, E. Shall winter furrows for beets be smoothed? (Ge) Ubersicht 17(10):788-790. 792. Oct. 8, 1966. 18 Ub3
- 41648 SCHALES, F. D., and SHELDRAKE, R. Mulch effects on soil conditions and muskmelon response. Amer. Soc. Hort. Sci. Proc. 88:425-430. Ref. 1966. 81 So12
- 41649 SMITH, C. J. The effect of mulching on the establishment of pasture grasses. Rhodesia Zambia Malawi J. Agr. Res. 4(2):129-132. July 1966. 24 R3472
Effects on yields of *Chloris gayana* and *Panicum maximum*, in Southern Rhodesia.
- 41650 VIDAL, J. P., and MARCELIN, H. Trials on grape planting on plastic mulch on saline soils. (Fr) Pyrenees-Orientale. Chambre Agr. Bull. Tech. 39:55-60. June 1966. 14 F8462
- 41651 VYMETAL, V. The effect of harrowing on weed control yields of winter wheat. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada D. Spisy Fak. Provozne Ekon. 2:111-119. Ref. 1965. HD1940.C95A1
English summary.
- 41652 ZATKO, J., and KOSIK, J. The effect of the depth of plowing on physical properties of soils and on yields of sugar beets. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(9):957-966. Ref. Sept. 1966. 64.9 C33
English summary.

- 41653 ZHELEV, A., and PAVLOV, P. Effect of method of deep soil tillage on structure and formation of arable soil horizon. (Bu) Visshe Selskostonpanski Inst. "Vasil Kolarov." Nauch. Tr. 14 (1):245-250. 1965. 106.3 P72
German summary.

Drainage, Irrigation, Water Supply, and Flood Control

- 41654 ANDERSON, D. O. The value of irrigation water in the Washita River Basin of Roger Mills County, Oklahoma. Diss. Abstr., Sect. A, 27 (1):11A. July 1966. Z5055.U49D5
- 41655 BECHERT, C. H., and HECKARD, J. M. Ground water. In Lindsey, A. A., ed. Natural features of Indiana, a symposium, p.100-115, map. 1966. QH105.I6L5
- 41656 BECKER, A. On the structure of coaxial graphical rainfall-runoff relations. Int. Ass. Sci. Hydrol. Bull. 11(2):121-130. June 1966. 292.9 As7
- 41657 BENSON, M. A., and THOMAS, D. M. A definition of dominant discharge. Int. Ass. Sci. Hydrol. Bull. 11(2):76-80. June 1966. 292.9 As7
Stream discharge.
- 41659 BEVERIDGE, T. R. Emerging water problems in Missouri. Mo. Agr. Exp. Sta. Spec. Rep. 55:3-6. 1965. 100 M693Sp
- 41659 BOTZAN, M., and IONESCU, C. Method for extrapolation of the experimental data concerning the consumptive use of water under irrigation conditions. (Rum) Stud. Hidroamelior. 3: 3-57. Ref. 1966. 54.8 S9
English summary.
- 41660 BOUYER, S. Visit to Gezira (Sudan Gezira Board). (Fr) Agron. Trop. [Paris] 21(9):1080-1085, map. Sept. 1966. 26 Ag86
Irrigation scheme.
- 41661 BUHOCI, L., and COVALIOV, T. Some results on mineralization evolution of phreatic water and soils within the precincts of Braila-Gura Siretului and Ostrovul Tataru. (Rum) Stud. Hidroamelior. 3:239-269, map. 1966. 54.8 S9
English summary.
- 41662 CAMPBELL, J. M. Water in the economic development of New Mexico. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.:20-28. 1965. 292.9 W297
Irrigation and other uses.
- 41663 CEYLON, DIRECTOR OF IRRIGATION. Administration report for 1964-65. Colombo, 1966. 82 p. 55.9 C33
Text in Sinhalese; English summary.
- 41664 CHEBYSHEV, M. Development of the land in the lower reaches of the Ili River. (Rus) Ekon. Sel'skogo Khoz. 9:26-28. Sept. 1966. 281.8 So73
Reclamation and irrigation.
- 41665 COVALIOV, T. Use of draining canals for irrigation inside the Seimeni precinct and their effect on soil and phreatic water. (Rum) Stud. Hidroamelior. 3:225-238, map. 1966. 54.8 S9
English summary.
- 41666 CZYCHOWSKI, M. Consolidation of holdings and water maintenance. (Ge) Rech. Landwirt. 18(12):313-317. Dec. 1966. 30.58 R24
- 41667 DAVIS, R. K. Competition for water. Mo. Agr. Exp. Sta. Spec. Rep. 55:12-22. 1965. 100 M693Sp
- 41669 DEMBEREL, TS. A further development of agriculture. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:19-22. Nov. 22, 1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
Water policy in Mongolia.
Translation from Sotsialist Hodoo Aj Ahui, May 5, 1966:2.
Issued by CFSTI.
- 41669 DREGNE, H. E. Irrigation water quality and quantity. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.:94-100, map. 1965. 292.9 W297
- 41670 EDWARDS, D. M., and WERSMA, J. L. Hooded ogee pipe drop spillway. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):524-525, 527. Ref. 1966. 290.9 AM32T
Reservoir design.
- 41671 EID, M. T., EL SAMIE, M. A., and EL GIBALI, A. Preliminary estimated balance between irrigation requirements and river resources in U.A.R. Agr. Res. Rev. 44(1):127-137. Jan. 1966. 24 Eg94
- 41672 ERASMUS, F. F. Flood damage in north-western Transvaal. Farming S. Afr. 42(8):5, 18. Nov. 1966. 24 So842
- 41673 FALCONER, I. R. Water control is more than drainage. New Zeal. J. Agr. 113(4):64-65. Oct. 1966. 23 N48J
- 41674 EL-FOULY, M. Obtaining new land for agriculture in Egypt. (Ge) Mitt. Deut. Landwirt.-Ges. 81(44):1640-1642, map. Nov. 3, 1966. 18 N39
- 41675 FREEMAN, A. M. The Federal reclamation program and the distribution of income. Diss. Abstr., Sect. A, 27(1):2A-3A. July 1966. Z5055.U49D5
- 41676 FREY, J. W., BUCHTA, H. G., and VALLI-COTT, D. R. Efficiencies and benefits of contour bench leveling for irrigation. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):574-575. 1966. 290.9 Am32T
- 41677 GALAMINI, L. The recent very serious floods made possible by deficient hydraulic and forest regulation. (It) Rass. Agr. Ital. 21(12):7-8. Dec. 1966. 281.8 R18
- 41679 GANEV, D. Effect of construction period on effectiveness of capital investments in hydro-meliorative systems. (Bu) Ekonomicheska Mis'l 11(5):78-89. 1966. 280.8 Ik7
French summary, p.124.
Chiefly in relation to irrigation.
- 41679 GARDNER, B. D. The effects of resource policies on income distribution. J. Farm Econ. 48(5):1242-1255. Ref. Dec. 1966. 280.8 J822
With reference to Federal water and grazing policies in the West.
Includes discussion by J. D. Jansme.
- 41680 GOELLNER, A. Regularity and homogeneity in the application of water sprinkling. (Fr) France. Min. Agr. Bull. Tech. Inform. 211: 519-524. July/Aug. 1966. 14 F844B
In France.
- 41681 GRANT, P. J. The ground waters of the Here-taunga Plains. I. J. Hydrol. 4(2):65-80, map. Dec. 1965. 292.8 J822
- 41682 GRASS, L. B., DAVIS, S., and SHADE, E. Watershed lysimeter study of salt balance using Colorado River water to irrigate residual soils. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):528-529, 533. 1966. 290.9 Am32T
- 41683 GREIBING, G. Drainage with plastic pipes. (Sw) Gavleborgs Lans Hushallingssallsk. Lantbrukstidskr. 42(3):23-31. 1966. 11 G24L
- 41684 GRUBINGER, H., and WIDMOSER, P. Drainage with plastic pipes. (Ge) Grune 94(33):1169-1170. Aug. 19, 1966. 17 Sch9
Switzerland.
- 41685 GRUMEZA, N., DUMITRESCU, M., and DOROBANTU, I. Results of the utilization of polluted water from the Dimbovita River in the irrigation of vegetables by mole drains. (Rum) Bucharest. Inst. Cercet. Horti-Viticole. Lucrari Stiint. 7:83-94. 1963/64, pub. 1966. 86 R862
French summary.
- 41686 GRUMEZA, N., and others. Study of covering banks of canals with plastics in order to reduce the loss of water by seepage in irrigation systems of grape nurseries. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:75-82. 1963/64, pub. 1966. 86 R862
S. Tudor, I. Paunel, and P. Mucescu, joint authors.
French summary.
- 41687 HALONEN, R. Drainage ditches with plastic pipes. (Sw) Tidskr. Lantman Andersfolk 8:215, Apr. 30, 1966. 20 T43
Finland.
- 41688 EL-HAMIDI, D. Phreatic and saline regime beyond the irrigation period in the terrace zone of Calarasi during 1961-1965 years. (Rum) Stud. Hidroamelior. 3:271-294, map. 1966. 54.8 S9
English summary.

- 41689 HAMDI, H., YOUSSEF, S., and EL MANSEY, M. M. The effect of saline irrigation with different sodium and calcium concentrations on some soil properties. *J. Soil Sci. United Arab Repub.* 6(1):63-71. 1966. 56.8 J825
- 41690 HAMDI, H., and others. Gypsum as an ameliorating agent for the deteriorated soils in the U.A.R. *J. Soil Sci. Repub.* 6(1):49-61. 1966. 56.8 J825
S. Youssef, A. I. Shabassy, and M. S. El-Sawaby, joint authors.
- 41691 HANNAH, H. W. Missouri water law: some facts, assumptions and suggestions. *Mo. Agr. Exp. Sta. Spec. Rep.* 55:7-11. 1965. 100 M693Sp
- 41692 HARBAUGH, T. E. Time distribution of runoff from watersheds. *Diss. Abstr.*, Sect. B, 27(5): 1484B. Nov. 1966. Z5055.U49D53
- 41693 HARRIS, C. D. New Mexico law as it relates to the Pecos River watershed. *Water Conf. New Mex. A M Coll. [Proc.]*, 10th Annu. Conf.: 7-14. 1965. 292.9 W297
- 41694 HARRISON, D. S. What to consider when you plan irrigation systems for industrial sites, athletic fields, cemeteries, and turf nurseries. *Weeds Trees Turf* 5(4):10-11, 36, 40. Apr. 1966. 79.8 W413
Equipment.
- 41695 HOUSTON, C. E., and SCHADE, R. O. Irrigation return-water systems. *Calif. Univ. Agr. Ext. Circ.* 542, 8 p. Nov. 1966. 100 C125
Published jointly with California Agricultural Experiment Station.
- 41696 HOUSTON, C. E. Trends and costs of land grading for irrigation in California. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):565-567, 570. 1966. 290.9 Am32T
- 41697 HOWES, R. R. Economic analysis of water resource development in the Susquehanna River Basin: an application of interregional linear programming. *Diss. Abstr.*, Sect. A, 27(5): 1160A. Nov. 1966. Z5055.U49D5
- 41699 ISHIBASHI, Y. Nogyo surikugai [The science of farm irrigation]. Tokyo, Asakura Shoten, 1966. 201 p. SB112.18
- 41695 IONESCU, M. Dimensioning of the transportable flexible pipes equipment used in irrigation. (Rum) *Stud. Hidroamelior.* 3:153-171. 1966. 54.8 St9
English summary.
- 41700 IZYMOMOV, V. V. Spravochnik po tekhnike i sposobam polivov sel'skokhozyaistvennykh kul'tur [Technique and methods of agricultural irrigation; a handbook]. Kiev, Urozhai, 1966. 287 p. TC886.U3519
- 41701 JOHNSTON, H. E. Hydrology of the New Oxford formation in Lancaster County, Pennsylvania. *Penn. Topogr. Geol. Surv. Bull.* W 23, 80 p., map. Ref. 1966. 406 P383B
- 41702 KALIL, M. B., and others. Irrigation requirements & frequency of late corn. *Agr. Res. Rev.* 44(1):139-157. Jan. 1966. 24 Eg94
A. A. Gibali, A. A. Samaloty, and M. I. Refai, joint authors.
United Arab Republic.
- 41703 KIEHL, E. R. Role of water in the development and growth of Missouri. *Mo. Agr. Exp. Sta. Spec. Rep.* 55:23-25. 1965. 100 M693Sp
- 41704 KORVEN, H. C., and WILCOX, J. C. An evaluation of flow and pressure regulators for sprinkler irrigation. *Amer. Soc. Agr. Trans. ASAE* 9(4):516-519. 1966. 290.9 Am32T
- 41705 LUPINOVICH, I. S., and SKRYNNIKOVA, I. N. Problems and methods of bog and swamped soil investigations in connection with the development of reclamation in the non-Chernozem zone. (Rus) *Pochvovedenie* 12:10-17. 1966. 57.8 P34
- 41706 LUTHIN, J. N., and TAYLOR, G. S. Computer solutions for the drainage of sloping land. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):546-549. 1966. 290.8 Am32T
- 41707 MADDOX, G. E. Availability and quality of ground water in the Pecos River Basin. *Water Conf. New Mex. A M Coll. [Proc.]*, 10th Annu. Conf.: 36-46, map. 1965. 292.9 W297
- 41708 MANTELL, A., and STANHILL, G. Comparison of methods for evaluating the response of lawngrass [*Pennisetum clandestinum*] to irrigation and nitrogen treatments. *Agron. J.* 58(5):465-468. Ref. Sept./Oct. 1966. 4 Am34P
- 41709 MAYO, K. L. Standards have been set for clay field drainpipes. *New Zeal. J. Agr.* 113(1):37. July 1966. 23 N48J
- 41710 MCCOOL, D. K. Spatially varied steady flow in a vegetated channel. *Diss. Abstr.*, Sect. B, 27(1):146B-147B. July 1966. Z5055.U49D53
Test channel lined with bermuda grass.
- 41711 MEDICI, G. The problem of water in the present-day world. (It) *Accad. Naz. Agr. Ann.* 77(1):3-11. 1966. 16 B632A
Especially for irrigation.
- 41712 MERCULIEV, O., and CIOICA, T. Some aspects on the supply waterings in the Danube plain. (Rum) *Stud. Hidroamelior.* 3:59-93. 1966. 54.8 S89
English summary.
Field crop irrigation.
- 41713 MERRIAM, J. L. A management control concept for determining the economical depth and frequency of irrigation. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):492-498. 1966. 290.9 Am32T
- 41714 MICKELSON, R. H. Level pan construction for diverting and spreading runoff. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):568-570. 1966. 290.9 Am32T
- 41715 MIHALACHE, L., and LASZLO, I. Irrigation of grapes in vineyards of the Calugareasca valley. (Rum) *Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint.* 7:61-74. 1963/64, pub. 1966. 86 R862
French summary.
- 41716 MULGRUE, G. Water: key to Saudi Arabian master plan. *Freedom Hunger* Nov./Dec. 1966: 18-23. 389.8 F872
- 41717 NEFEDOV, V. Reclamation of the non-Chernozem zone. (Rus) *Ekon. Sel'skogo Khoz.* 9:11-19. Sept. 1966. 261.8 So73
Policies chiefly.
- 41718 NORTH DAKOTA. STATE WATER COMMISSION. Fifteenth biennial report, July 1, 1964 to June 30, 1966. Bismark, 1966. 112 p., map. 292.9 N813
Includes thirty-second biennial report of the State Engineer.
- 41719 NOVELO HERNANDEZ, F. Considerations on overhead irrigation. (Sp) *Ingenieria Hidraul.* *Mex. Rev.* 20(2):59-66. 1966. 290.8 In43
English summary, buff pages, p.III.
- 41720 OBATON, J. Scheme of study of problems of spreading dairy waste waters on grass by overhead sprinkling. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(12): 932-939. June 29, 1966. 14 P215Bc
- 41721 OEHLER, T. Examination on the reduction of spray losses with rocker-arm sprinklers. (Ge) *Landtech. Forsch.* 16(6):199-208. 1966. 58.8 L2332
English summary.
- 41722 OSMUN, J. V., LEHKER, G. E., and SANDERS, D. P. The role of the Kankakee River in draining insecticide-treated agricultural land. *Entomol. Soc. Amer. N. Cent. Br. Proc.* 21:56-59. 1966, pub. 1967. 422.12 N81
Indiana.
- 41723 OVERTON, D. E. Hydraulics in synthesis of upland runoff hydrographs. *Amer. Soc. Agr. Eng. Trans. ASAE* 9(4):543-545, 549. 1966. 290.9 Am32T
- 41724 PACEA, M. First results of tests for easy reclamation measures on podzolized Brown Forest soils at Sercia, Fagaras region. (Rum) *Stud. Hidroamelior.* 3:197-223. Ref. 1966. 54.8 St9
- 41725 PALYI, D. Remote control in irrigation. (Hu) *Mezogazdasagi Tech.* 6(12):28-29. 1966. 58.8 M572
- 41726 PRICOP, G., and others. Preliminary results on the research concerning irrigation on sandy lands. (Rum) *Stud. Hidroamelior.* 3:127-151. 1966. 54.8 St9
G. Salay, G. Deculescu, and V. Mardare, joint authors.
English summary.
Overhead irrigation of field crops.

- 41727 RAO, E. J. Irrigating sugarcane; resume of work done in the more important cane growing states in India. Indian Sugarcane J. 9(3):201-205. Ref. Apr./June 1965. 65.8 In27
- 41728 RENNE, R. R. Water resources research in the United States. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.:15-19. 1965. 292.9 W297
Federal research.
- 41729 SALAY, G., RENE, S., and MARDARE, V. Research on water balance in irrigated soils of the Danube plain. (Rum) Stud. Hidroame-lor. 3:95-125. Ref. 1966. 54.8 St9
English summary.
- 41730 SAL'NIKOV, M. Choosing level regulator for water let out in a closed drainage system. (Rus) Tekh. Sel'skom Khoz. 12:27-30. Dec. 1966. 58.8 M11
- 41731 SAN JOAQUIN STUDY GROUP CONFERENCE, SOLVANG, CALIFORNIA, 1966. Impact of water on land; proceedings, edited by D. K. Todd. Calif. Univ. Water Resources Center. Rep. 9, 140 p. July 1966. 292.9 C1282
Effect of land use on water resources.
- 41732 SAYALE, R. S. Blasting of wells by air compressor unit: its economy and role in increased agricultural production. Dhulia. Coll. Agr. Mag. 5(1):36-38. Jan. 1966. 107.5 D533
For irrigation.
- 41733 SCHINKE, H. Recent results in the development of mechanized ditch cleaning. (Ge) Deut. Agrartechn. 16(12):555-557. Dec. 1966. 58.8 D482
In irrigation.
- 41734 SCHLUNSEN, D. Examinations on mechanical properties of plastic drainpipes for developing a test method. (Ge) Landtech. Forsch. 16(6): 214-221. 1966. 58.8 L2332
English summary.
- 41735 SCOTT, D. F. Field tiles make efficient drains on most soils. New Zeal. J. Agr. 113 (5):64-65, 67, 69. Nov. 1966. 23 N48J
- 41736 SHENOUDA, N., and others. Irrigation requirements of early corn and the best irrigation frequency for the crop, with a comparative study for the plant requirements of early corn and late corn at Middle Egypt. Agr. Res. Rev. 44(1):159-170. Jan. 1966. 24 Eg94
A. I. Gihali, H. W. Tawadros, and A. S. Gamal, joint authors.
- 41737 SKINNER, S. O. Irrigation in the Bundaberg district. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 30(1):23-25. July 1, 1966. 65.9 Q3C
- 41738 SLINGERLAND, C. L. Flood control and reclamation projects Pecos River Basin, New Mexico. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.:76-84. 1965. 292.9 W297
- 41739 SMETHAM, M. L. Save winter water and upgrade irrigation. New Zeal. J. Agr. 113(1):79. July 1966. 23 N48J
- 41740 SMITH, C. H. The synthesis of storm runoff hydrographs from unsteady, non-uniform rainfall. Diss. Abstr., Sect. B, 27(1):168B. July 1966. Z5055.U49D53
- 41741 SORENSEN, E. F. Use of water in the Pecos River Basin, New Mexico. Water Conf. New Mex. A M Coll. [Proc.], 10th Annu. Conf.:68-75. 1965. 292.9 W297
Includes underground water and agricultural uses.
- 41742 SPECTY, R. An example of bioclimatological publication: "Le Bulletin de l'Irrigant du Haut-Rhin." (Fr) France. Min. Agr. Bul. Tech. Inform. 210:455-462. June 1966. 14 F844B
- 41743 SPEER, W. S. Report to the Government of Yugoslavia; multiple purpose development, Sava River Basin, Yugoslavia. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1229, 11 p. 1966. 281.9 F733E
For flood control.
- 41744 STEPHENS, J. C., and MILLS, W. C. Evaluating and applying the Cypress Creek drainage formula. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):550-552, 555, map. 1966. 290.9 Am32T
- 41745 TACHEV, V. Effectiveness of concrete linings in canals of irrigation systems. (Bu) Ikonomicheska Mis'l 11(6):85-95. 1966. 280.8 Ik7
French summary, p.130.
- 41746 TALATI, N. R., KACHHAWAHA, O. P., and MATHUR, C. M. Effect of gypsum treatment on quality of underground waters. Indian J. Agr. Sci. 36(2):74-79. Apr. 1966. 22 Ag83I
- 41747 TURCK, G. Managing irrigation during the rains. S. Afr. Sugar J. 50(11):1041, 1043. Nov. 1966. 65.8 S88
- 41748 VICTORIA, STATE RIVERS AND WATER SUPPLY COMMISSION. Sixty-first annual report, 1965-1966. Melbourne, 1966. 143 p. 292.9 V66
Irrigation, flood control, and drainage included.
- 41749 VIDAL, H., and SCHUCH, M. Results of comparative runoff and ground water observations on an untouched or cultivated high moor area in the southern Lake Champlain moors in the drainage year 1964. (Ge) Bayer. Landwirt. Jahrbuch 42(8):1001-1019. 1965. 18 L24
- 41750 WALLACE, L. T., and O'CONNELL, T. B. Survey of California water service organizations. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-4, 42 p. July 1966. 275.29 C121
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
- 41751 WATER FORUM, COLUMBIA, MISSOURI, 1965. [Proceedings], February 2, 1965. Mo. Agr. Exp. Sta. Spec. Rep. 55, 52 p., map. Ref. 1965. 100 M693b
Sponsored by Missouri College of Agriculture.
- 41752 WESCHLER, L. F. An evaluation of the agencies with which the State has contracted for delivery of water supplies produced by the west side project. Calif. Univ. Water Resources Center. Rep. 9:138-140. July 1966. 292.9 C1282
- 41753 WIND, G. P. Rain. (Du) Landbouwkundig Tijdschr. 78(11):365. Nov. 1966. 105.2 Or3
Soil drainage.
- 41754 YANG, P. N., and LO, H. A. Research on growth effects on crops irrigated by waste water containing sap of cotton stem bark. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:1-9. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Teco
Translation from T'u Jang T'ung Pao 3:30-32. June 1964.
Issued by CFSTI.
- 41755 YARMIZIN, D. B., LYSOGOROV, S. D., and BALAN, A. G. Meliorativnoe zemledelie [Meliorative farming]. Moskva, Kolos, 1966. 424 p. SB112.I2
Drainage and irrigation chiefly.
- 41756 ZEZZOS, R. Centenary of the "Cavour Canal." (It) Cronache Econ. 286:65-70. Oct. 1966. 280.8 C882
Irrigation.

Erosion and Erosion Control

- 41757 BAGNARESI, U. Observations on the extraction of lithoid materials from beaches of Emilia water courses. (It) Accad. Naz. Agr. Ann. 77(1):49-56. 1966. 16 B632A
Soil erosion.
- 41758 BALAN, V. Prevention of soil erosion in the Iasi region of sloping land used for planting of grapes. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:33-46. 1964/64, pub. 1966. 86 R862
French summary.
- 41759 BETHLAHM, N., and KIDD, W. J. Controlling soil movement from steep road fills. U. S. Forest Serv. Res. Note INT-45, 4 p. 1966. A99.9 F764Un
Idaho.
- 41760 BRICE, J. C. Erosion and deposition in the loess-mantled Great Plains, Medicine Creek drainage basin, Nebraska. U. S. Geol. Surv. Prof. Pap. 362-H:255-339, map. Ref. 1966. 407 G29Pr

- 41761 BUCHTA, H. G., BROBERG, D. E., and LIGGETT, F. E. Flat channel terraces. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):571-573, 1966. 290.9 Am32T
Erosion control.
- 41762 CAMPBELL, D. A. Landmarks in soil conservation. Soil Water 3(1):15-21. Ref. Sept. 1966. 56.8 So323
New Zealand.
- 41763 DYSON, J. R. Sand deposits in the MacDonald and Colo Rivers. New S. Wales. Soil Conserv. Serv. J. 22(4):158-173, map. Oct. 1966. 56.9 N472
Due to soil erosion.
- 41764 FLECK, B. C. Testing lupins (*Lupinus* (Tournef.) L. spp. for soil conservation. New S. Wales. Soil Conserv. Serv. J. 22(4):205-212. Oct. 1966. 56.9 N472
- 41765 FOI'MER, N. I. Occupied fallows as shelterbelts. (Rus) Zemledelie 10:34-36. Oct. 1966. 20 Z44
Stubble belts for snow retention and wind erosion control.
- 41766 JACOBSON, P. New developments in land-terrace systems. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):576-577. 1966. 290.9 Am32T
- 41767 JONES, R. M. Scald reclamation studies in the Hay district, N.S.W. II. Reclamation by ploughing. New S. Wales. Soil Conserv. Serv. J. 22(4):213-230. Ref. Oct. 1966. 56.9 N472
- 41769 KINCAID, D. R., and WILLIAMS, G. Rainfall effects on soil surface characteristics following range improvement treatments. J. Range Manage. 19(6):346-351. Ref. Nov. 1966. 60.18 J82
Chiefly raindrop erosion control in Arizona.
- 41769 POPA, V. Distribution of roots of apples planted on terraces and its role in the control of sloping lands in the premountain areas. (Rum) Bucharest. Inst. Cercet. Horti-Viticole Lucrari Stiint. 7:47-60. Ref. 1963/64, pub. 1966. 86 R62
French summary.
Erosion control.
- 41770 SABROE, A. S. Dust storms and forest plantings. (Da) Hedeselsk. Tidsskr. 87(15):408-411. Dec. 10, 1966. 11 H35
- 41771 SDOBNIKOV, S. S., and TKACHENKO, V. G. Stubble and the stubble windbreak strips (Rus) Zemledelie 10:30-33. Oct. 1966. 20 Z44
For snow retention and wind erosion control.
- 41772 SMITH, L. W. Goorianawa Valley Soil Conservation Project. New S. Wales. Soil Conserv. Serv. J. 22(4):190-201, map. Oct. 1966. 56.9 N472
- 41773 THOMSON, J. L. Soil conservation can pay dividends in greater farm production. New Zeal. J. Agr. 113(1):30-31, 33. July 1966. 23 N48J
- 41774 U. S. OPERATIONS MISSION TO KOREA. Sikyang chungsaunkwa kyetansik kaekan [Up-land development in Korea]. Seoul, 1966. 26 p. S616.K8U5
Text in Korean and English.
Bench terracing for erosion control.
- 41775 VAN DER MERWE, J. P. Soil conservation, where do we stand? S. Afr. Sugar J. 50(10): 917,919. Oct. 1966. 65.8 So8
- 41776 VERMONT. STATE SOIL CONSERVATION COUNCIL. Eleventh report, July 1, 1964 to June 30, 1966. Montpelier, 1966. 26 p. 289.29 V59
- 41777 WALTER, B. Measures for soil conservation in land consolidation processes on sloping lands used for grapes. (Ge) Weinberg Keller 13(3):95-106. Mar. 1966. 95.8 W435
English summary.

Sanitation

- 41778 BOCHOW, H. Modern trends in the decontamination of soils. (Ge) Deut. Gartenbau 13(5): 127-129. May 1966. 80 G1948
Chiefly disinfectants against nematodes and soil fungi.

- 41779 FURMIDGE, C. G. L., HILL, A. C., and OS-GERBY, J. M. Physico-chemical aspects of the availability of pesticides in the soil. I. Leaching of pesticides from granular formulations. J. Sci. Food Agr. 17(11):518-525. Nov. 1966. 382 So12
- 41780 LAHSE, C., and APPLGATE, H. G. Pesticides at Presidio. III. Soil and water. Tex. J. Sci. 18(4):386-395. Ref. Dec. 31, 1966. 470 T31
Insecticides.
- 41781 MISHRA, U. N. The influence of partial steam sterilization on the release of several forms of manganese in some soils commonly used by Ohio greenhouse growers. Diss. Abstr., Sect. B, 27(5):1399B. Nov. 1966. Z5055.U49D53
- 41782 SMYTH, H. F., CARPENTER, C. P., and WEIL, C. S. Toxicologic studies on 3,5-dimethyl-2-thiathio-1,3,5,2H-thiadiazine-2-thione, a soil fungicide and simicide. Toxicol. Appl. Pharmacol. 9(3):521-527. Nov. 1966. 391.8 T662

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 41783 ANDO, J. Kagaku hiryo no kenkyu [Research on chemical fertilizers]. Tokyo, Nishin Shuppan, 1965. 297 p. TP963.A5
Includes structure and properties.

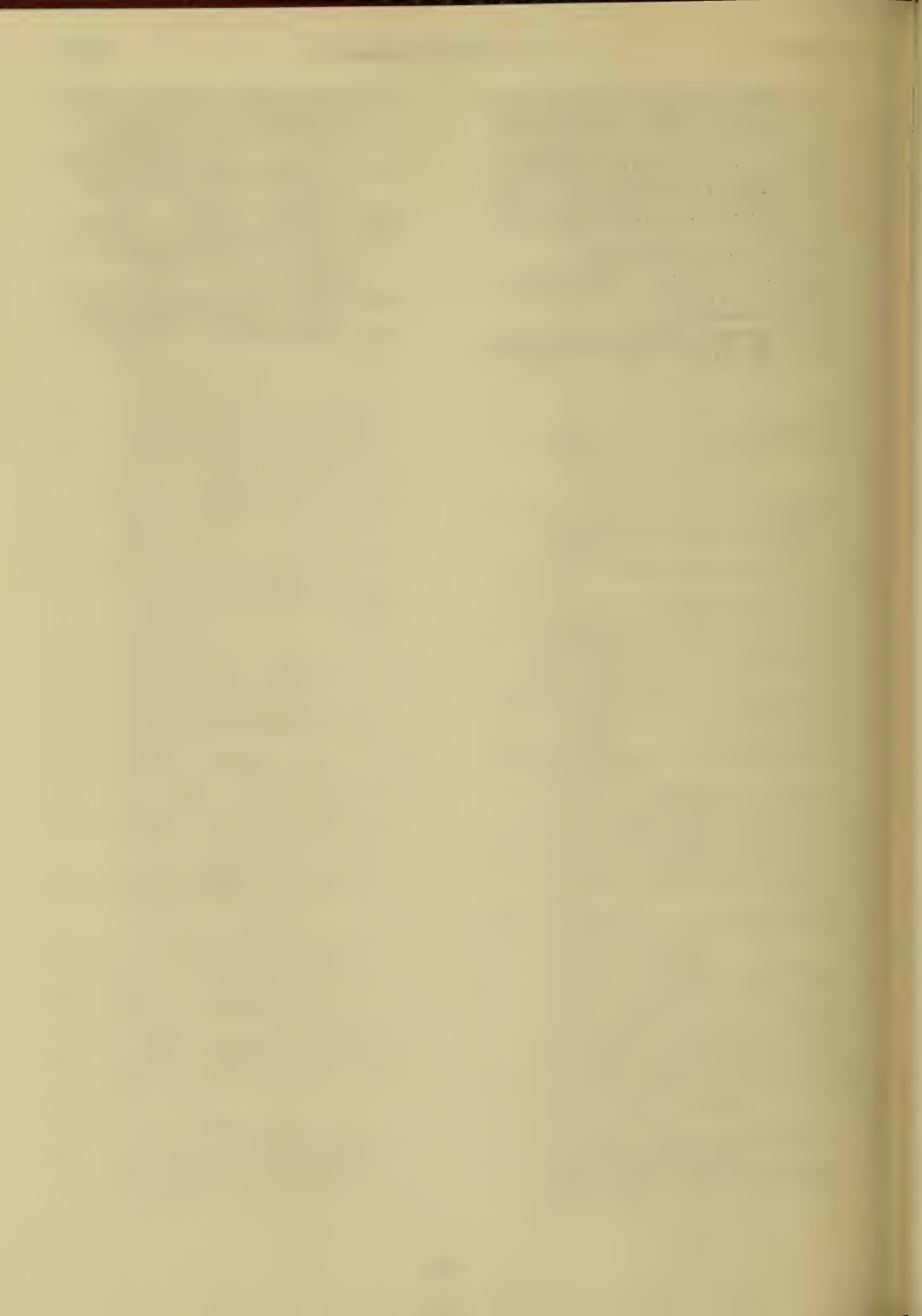
Mineral Soil Amendments

- 41784 SHAFIK, M. T., and SABRY, A. F. New phosphatic fertilizer from basic slag, hydrochloric acid, and rock phosphate. J. Agr. Food Chem. 14(6):641-643. Nov./Dec. 1966. 381 J8223

Fertilizer Technology and Statistics

- 41785 DATAR, D. S. Possibilities of manufacturing potassium fertilizers in India. Fert. News 11(12):38-41. Ref. Dec. 1963. 57.8 F4123
- 41786 HARRINGTON, J. F., WARD, D. E., and MCKELVEY, V. E. Sources of fertilizer minerals in South America; a preliminary study. U. S. Geol. Surv. Bull. 1240, 66 p., map. Ref. 1966. 407 G29B
- 41787 HELLER, L. Fertilizer price list of the Göttingen advisory group. (Ge) Ausbildung Beratung Land-Hauswirtschaft. 19(9):172,177. Sept. 1966. 18 N11
- 41788 HICKMANN, G. Comparison of costs of fertilizing. (Ge) Winzer (ser. 11) 21:199-200. Nov. 1965. 95.8 W73
- 41789 KAFEDZIC, M. Profitableness of the use of newly priced mineral fertilizers in relation to the prices of agricultural products. (Se) Agromija 12:651-654. 1965. 385 Ag87
- 41790 KEIDEL, W. Liquid fertilizer—new tasks for cooperatives. (Ge) Raiffeisen-Rundschau 18(12):579-581. Dec. 1966. 284 ZR132
Properties of liquid fertilizers and outlook for the industry; Includes provision by cooperatives.
- 41791 LUNDBERG, K. F. Planning for growth in the expanding fertilizer industry. Amer. Coop. 1966:79-83. 280.29 Am3A
Marketing by cooperatives.
- 41792 MARKHAM, J. W. The fertilizer industry. In Moore, J. R., and Walsh, R. G., ed. Market structure of the agricultural industries, p. 358-378. Ref. 1966. HD9005.M6
- 41793 MUKHERJEE, S. K. India's fertilizer industry amidst rapidly changing technologies. Fert. News 11(12):13-15. Dec. 1966. 57.8 F4123
- 41794 NIEDERMAIER, T. An automated procedure for the determination of the total nitrogen (ammonium nitrogen plus nitrate nitrogen) in mineral fertilizers. (Ge) Z. Anal. Chem. 223(5):336-343. Ref. 1966. 384 Z3
English summary.
- 41795 PARASHAR, R. K. Farmers, fertilizers and the supply-lines. Rural India 29(2/3):56-61. Feb./Mar. 1966. 281.28 R889
- 41796 SUBRAMANIAM, M. Some aspects of fertilizer distribution. Fert. News 11(12):28-30, 42. Dec. 1966. 57.8 F4123

- 41797 UNANYANTS, T. P. Contemporary production level and application of mineral fertilizers in capitalistic countries. (Rus) Khim. Sel'skom Khoz. 4(10):62-69. Ref. Oct.1966. 385 K524
- 41798 U. S. TENNESSE VALLEY AUTHORITY. NATIONAL FERTILISER DEVELOPMENT CENTRE. Economic evaluation of producing mixed fertilisers in India by ammoniation of triple superphosphate versus ammoniating phosphoric acid to diammonium phosphate. Fert. News. 11(12):16-27. Dec.1966. 57.8 F4123
- Manures and Composts**
- 41799 AYALA MARTIN, E. Poultry by-product, manure. (Sp) Avicult. Tec. 17(4):213-214. Apr. 1966. 47.8 Av57
- 41800 HASLER, A. Marine algae as fertilizers. (Ge) Mitt. Schweiz. Landwirt. 14(1):1-6. Jan. 1966. 17 M69
- 41801 POLETSCHNY, H. Die Nachrotte von aufbereitetem Frischmüll bei Zumischung von Braunkohle, Papier und Abwasserklarschlamm und die Wirkung der Komposte auf das Pflanzenwachstum [The rotting of fresh prepared refuse mixed with coal, paper, and clarified sewage sludge and the effect of the compost on plant growth]. Bonn. Univ. Landwirt. Fak. Inaug.-Diss. 16,139 p. 1965. 105.8 B644
Bibliography, p.122-133.
- 41802 STRUPL, M., and PATEJDL, C. The use of peat for the production of compost with dairy wastes. (Cz) Vyzkumn. Ustav Melioraci. Ved. Prace 7:97-110. 1965. S604.A1V9
English summary.
- 41803 VIRMANI, S. M. Studies on super-digested compost. I. Effects of incubation of plant residues with superphosphate. Indian J. Agr. Sci. 36(2):100-104. Ref. Apr.1966. 22 Ag831
Oat straw.



MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 41804 ALT DET nyeste 1966-67 inden for landbrug, havebrug og husholdning [All the most recent, 1966-67 in agriculture, horticulture and home economics]. Vol. 13. Kobenhavn, Landhusholdningsselskabets Forlag, 1966. 200 p. 33.11 AL7
- 41805 BEZUGLYI, S. F., and KALASHNIKOVA, V. N. Spontaneously emulsified pesticide concentrates. (Rus) Khim. Sel'skom Khoz. 4(10):24-29. Ref. Oct.1966. 385 K524
- 41806 BROCK, T. D. Principles of microbial ecology. Englewood Cliffs, New Jersey, 1966. 306 p. (Prentice-Hall Biological Science Series). QR41.B7
Bibliography, p.263-288.
- 41807 CEYLON. DIRECTOR OF AGRICULTURE. Administration report for the financial year 1964-65. Colombo, 1966. 53 p. 22.5 C33R
Text also in Sinhalese.
- 41808 CONFERENCE ON RECREATION SANITATION AND SAFETY, 1, LITTLE ROCK, ARKANSAS, 1965. Proceedings. Washington, 1966. 97 p. (U. S. Public Health Service. Public Health Service Publication No.1428) RA422.5.C6
Sponsored by the Arkansas State Department of Health, in cooperation with the U. S. Department of Health, Education, and Welfare, Public Health Service, Division of Environmental Engineering and Food Protection (Special Engineering Services Branch); Division of Accident Prevention (PHS), Robert A. Taft Sanitary Engineering Center (PHS), Cincinnati, Ohio; Regional Office, U. S. Department of Health, Education, and Welfare (Dallas, Texas).
- 41809 CORWIN, A. H., and BURSEY, M. M. Elements of organic chemistry, as revealed by the scientific method. Reading, Massachusetts, 1966. 746 p. (Addison-Wesley Series in Chemistry) QD251.C6
- 41810 COSTELLOE, P. D. Fight must be ruthless for even one rat is one too many. New Zeal. J. Agr. 113(1):57. July 1966. 23 N48J
- 41811 DYKSTRA, W. W. The role of chemical for the control of vertebrate pests. U. S. Agr. Res. Serv. ARS-33-110:29-34. Ref. July 1966. A420 R31
Wildlife as pests.
- 41812 EDSON, E. F., SANDERSON, D. M., and NOAKES, D. N. Acute toxicity data for pesticides (1966). World Rev. Pest Contr. 5(3):143-151. Autumn 1966. 79.8 W89
- 41813 FITZSIMMONS, K. R. Chemical use and abuse. Nat. Inst. Anim. Agr. Proc. 16:15-19. 1966. 49.9 N219
Economic poisons tolerances and hazards, chiefly.
Discussion, p.30-33.
- 41814 FOSCHIA, J. M. Warehouse operations in the farm supply business. Minn. Univ. Ext. Spec. Rep. 19,33 p. Ref. Sept.1965. 275.29 M66Sb
- 41815 FREAR, D. E. H., comp., and ed. Pesticide handbook—Entoma, 1966. Rev., and enl. State College, Pennsylvania, College Science Publishers, 1966. 312 p.,map. 225 F87
Published in consultation with the Entomological Society of America and the National Pest Control Association.
- 41816 GEERING, H. R., and HODGSON, J. F. Extraction and stability constants of copper complexes of 1,5-diphenylcarbazone. Anal. Chim. Acta 36 (4):537-540. Dec.1966. 381 An1
- 41817 GEOLOGICAL SOCIETY OF AMERICA. Abstracts for 1965: abstracts of papers submitted for six meetings with which the Society was associated. New York, 1966. 366 p. (Special Paper, No. 87) 403 G29A
- 41818 GRANSTROM, B. Mixtures of various chemicals. (Sw) Kem. Vaxtskyddsmedel, 1966:23. 385 K313
Economic poisons.
- 41819 IOGANZEN, B. G., and KRYLOV, G. V. Complex development of natural resources of Western Siberia and biology. (Rus) Nauch. Dok. Vysheii Shkoly. Biol. Nauk. 2:7-13. Ref. 1965. 442.8 N22
- 41820 JOHANSSON, D., and STENMARK, A. List of economic poisons for agriculture, forestry, garden and fruit culture. (Sw) Kem. Vaxtskyddsmedel, 1966:57-74. 385 K313
- 41821 JOHANSSON, D., and STENMARK, A. Standard names and definitions of terms used for certain substances. (Sw) Kem. Vaxtskyddsmedel, 1966:7-10. 385 K313
Economic poisons.
- 41822 JOHANSSON, D. Toxicity. (Sw) Kem. Vaxtskyddsmedel, 1966:17-19. 385 K313
Of economic poisons.
- 41823 KANTE, E. Estimation of a price index for agricultural supplies. (Ge) Statist. Praxis 21 (1):499-502. Nov.1966. 251.8 St25
East Germany.
- 41824 KEMISKA vaxtskyddsmedel [Economic poisons]. Boras, 1966. 95 p. 385 K313
- 41825 LEFFEBVRE, M. Place of computers in French agriculture. (Fr) Agriculture [Paris] 29(294):343,345. Nov.1966. 14 Ag823
- 41826 LUIK, H. Nature conservation in northeastern Estonia. (Es) Eesti Loodus 2:89-95. Mar./Apr.1966. 409.6 Ee7
- 41827 MANITOBA. DEPT. OF MINES AND NATURAL RESOURCES. Annual report for period ending March 31st 1966. Winnipeg, 1966. 75 p.,map. 253.2 M31
Includes the Lands, Forest Management, and Forest Protection Branches.
- 41828 MOELLER, R. J., and SMITH, F. J. Financial analysis and control of the farm supply business. Minn. Univ. Ext. Spec. Rep. 17,45 p. Ref. Sept.1965. 275.29 M66Sb
- 41829 NEVADA. DEPT. OF AGRICULTURE. Biennial report for the fiscal years ending June 30, 1965 and 1966. Carson City, 1966. 51 p. 2 N413B
- 41830 NICHOLSON, H. P. Pesticides: a current water quality problem. Mo. Agr. Exp. Sta. Spec. Rep. 55:26-30. 1965. 100 M693Sp
Pollution.
- 41831 NILSSON, F. Alnarp has a new form. (Sw) Stiftelse, Svenska Lantbruksvekan. Lantbruksvekan 1965:34-39. 11 Sw34
Alnarp Agricultural, Dairy and Horticultural Institute [Alnarp. Lantbruks, Mejeri och Tradgardsinstitut].
- 41832 NORTH DAKOTA. DEPT. OF AGRICULTURE AND LABOR. Biennial report for the period from July 1, 1964 to June 30, 1966. Bismarck, 1966. 169 p.,map. 2 N812R
- 41833 OHIO. DEPT. OF NATURAL RESOURCES. Annual report, fiscal year 1966. 32 p.,map. Columbus, 1966. 279.9 Oh34
Includes the work of the Divisions of Forestry and Reclamation and of Lands and Soil.
- 41834 OREBRO LANS HUSHALLNINGSSALLSKAP. Almanacka [Almanac of the Agricultural Society of Orebro Province], 1967. Skara, 1966. 322 p. 11 Or3A

- 41835 PARMASSTO, E. Nature conservation, our joint task. (Es) Besti Loodus 3:129-130. May/June 1966. 409.6 Ee7
- 41836 PEDERSEN, E. O. Farmers can help to eradicate rabbits. New Zeal. J. Agr. 112(6):39. June 1966. 23 N43J
- 41837 RAY, A. D. Pollution from industrial wastes and sewage. Mo. Agr. Exp. Sta. Spec. Rep. 55: 31-36. Ref. 1965. 100 M693Sp
Water pollution.
- 41838 SMITH, F. J., and GRESHAM, J. G. Budgeting for the farm supply business. Minn. Univ. Ext. Spec. Rep. 18,32 p. Ref. Sept.1965. 275.29 M668b
- 41839 SMITH, F. J., and others. The farm supply industry, a report on opportunities and problems. Minn. Univ. Ext. Spec. Rep. 15,101 p., map. Ref. Sept.1965. 275.29 M668b
R. A. Willson, R. J. Moeller, J. M. Foschia, and H. Hwang, joint authors.
- 41840 SOGN OF FJORDANE LANDBRUKSSKAP. Armsmelding [Annual report of Sogn and Fjordane Agricultural Society], 1965. Forde, 1965. 90 p. 11 So2
- 41841 STEHLIK, V., ed. Naucny slovník zemědělský [Scientific agricultural dictionary]. I. Praha, Ústav Vedeckotechnických Informací MZLH, 1966. 1003 p., map. 5411.N3
- 41842 STENMARK, A. Protective equipment for the application of economic poisons. (Sw) Kem. Vaxtskyddsmedel, 1966:11-16. 385 K313
- 41843 SYMPOSIUM ON NATURAL FEATURES OF INDIANA. Contributions, edited by A. A. Lindsey. Indianapolis, Indiana Academy of Science, 1966. 600 p., map. Ref. QH105.I6L5
- 41844 TANKERSLEY, H. C. How to obtain help in time of natural disaster. Idaho. Agr. Coll. Ext. Bull. 472,12 p. Sept.1966. 100 Id14
- 41845 U. S. DEPT. OF AGRICULTURE. Budget estimates for United States Department of Agriculture for the fiscal year ending June 30, 1968. Washington, 1967. various paging. 1 A87Es
- 41846 U. S. DEPT. OF AGRICULTURE. Pesticides programs, U.S. Department of Agriculture. Washington, 1966? various paging. aSB823.U5
Policies and research programs.
- 41847 VOLKOV, YU. M. Application of surface-active agents in agriculture. (Rus) Vses. Khim. Obschest. D. I. Mendeleeva. Zh. 9(4): 427-432. Ref. 1966. 385 V964
- 41848 WETHERBEE, D. K. Vetebrate pest control by biological means. U. S. Agr. Res. Serv. ARS-33-110:102-111. Ref. July 1966. A420 R31
Chiefly birds.
- 41849 WILLIAMS, F. H. Pesticides for 1966. J. Agr. [Melbourne] 64(10):472-473. Oct.1966. 23 V66J
Regulations.
- BIOGRAPHY
- 41850 A. M. SOLVBERG. (No) Sogn Fjordane Landbruksselsk. Arsmeld. 1965:4. 11 So2
Necrology.
- 41851 ANDRE, F., BRINDLEY, T. A., and GUNDERSON, H. Memorial to Carl John Drake 1885-1965. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:8-9. 1966, pub. 1967. 422.12 N81
- 41852 ANNIVERSARY of scientist D. I. Grudev. (Rus) Svinovodstvo 12:4. Dec.1966. 46.8 Sv33
- 41853 BARTSCH, M. Franz Muller, Bazenheid SG. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(12):577-578. Dec.1966. 424.8 Sch9
- 41854 BERKEFELD, W. Julius Speer is 60 years old. (Ge) Umschau 65(23):748. Dec.1,1965. 474 Um7
- 41855 CHERTOVSKOI, V. G., and VOICHAL', P. I. Jubilee of I. S. Melekhov. (Rus) Les. Zh. 5: 175. 1965. 99.8 Iz8
- 41856 DANA, S. T. Barrington Moore (1883-1966). J. Forest. 65(1):69-72. Jan.1967. 99.8 F768
- 41857 DEATH claims three noted Forest Service Pioneers. J. Forest. 65(1):72-74. Jan.1967. 99.8 F768
E. W. Kelley, L. K. Kneipp, and E. I. Kotok.
- 41858 DEATH of E. T. Green. Farmers' J. (n.s.) 5 (4):21. Nov.1,1965. 10 F2234
- 41859 DR. D. C. Jarvis. Amer. Bee J. 106(10):388. Oct.1966. 424.8 Am3
- 41860 80th ANNIVERSARY of G. I. Vil'baste. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:628-629. 1965. 442.9 Ak18
- 41861 EISSNER, T. Prof. Dr. K. R. Storiko. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(21):424. Nov.1,1966. 41.8 B45
Biography.
- 41862 FOCL, F. Luigi Proner, enamoured of nature. (It) Agricoltura 15(7):93-96. July 1966. 16 Ag8226
- 41863 FREUDENBERG. Administrative vet. councilor Dr. Wilhelm Schmidt of Trebur is 80 years old. (Ge) Deut. Tierarztl. Wochenschr. Dec.5,1966. 41.8 D484
- 41864 FRITJOF Bonden will be 60 years old. (No) Meieriposten 55(51):1100-1101. Dec.24,1966. 44.8 M47
- 41865 FROESCHNER, R. C. Carl John Drake, 1885-1965. Entomol. Soc. Amer. Ann. 59(5):1028-1029. Sept.1966. 420 En82
- 41866 GIACANELLI, E. Nazareno Strampelli in the centenary of his birth. (It) Tec. Molitoria 17 (8):194-197. Apr.30,1966. 298.8 Se42
- 41867 GOSTA Johansson *1905-1965. (Sw) Sodermanlands Lans Hushallningssallsk. Arsbok 1965:23. 11 So1A
- 41868 GUPTA, R. G. Pandit G. K. Puranik. Rural India 29(2/3):46-50. Feb./Mar.1966. 281.28 R889
- 41869 HAGENSTEIN, W. D. Presentation of award for achievement in research to Francois Merger. J. Forest. 65(1):9. Jan.1967. 99.8 F768
From the Society of American Foresters.
- 41870 HAGENSTEIN, W. D. Presentation of the Sir William Schlich Memorial Medal to George A. Garratt. J. Forest. 65(1):7-8. Jan.1967. 99.8 F768
- 41871 HANSSON, A. Professor Karl von Frisch is 80 years old. (Sw) Bittidningen 65(12):369. Dec.1966. 424.8 B54
- 41872 HARALD Jensen, Guldborgland, is dead. (Da) Erhvervsfrugtavlere 33(12):490. Dec.1,1966. 80 Er3
- 41873 HERTER, W. Professor Dr. Curt Schulze died. (Ge) Deut. Tierarztl. 14(12):563. Dec.5, 1966. 41.8 D484
- 41874 J. CARROL Bottom. J. Farm Econ. 48(5), preliminary paging 2-3. Dec.1966. 280.8 J822
- 41875 JOHNSON, C. A. Robert Lorenzo Webster 1885-1966. Entomol. Soc. Amer. Ann. 59(5): 1030. Sept.1966. 420 En82
- 41876 KAMERAZ, A. S. M. Bukasov - prominent scientist. (Rus) Kartofel' Ovoshchi 10:22. Oct.1966. 75.8 K147
- 41877 KOSIL, V. Life and scientific activity of Prof. Jisek Kopecky. (Cz) Czech. Min. Zemedel. Les. Hospodar. Ustav Vedeckotech. Inform. Rostlinna Vyroba 39(6):581-589. June 1966. 64.9 C33
German summary.

- 41878 KRZYSIK, F. Doc. dr Zygmunt Pohl—obituary. (Pol) Sylwan 110(10):93-97. 1966. 99.8 Sy52 Includes list of publications.
- 41879 L. A. FADDEEV. (Rus) Veterinariya 9:119. Sept.1966. 41.8 V6426
- 41880 LACHENMAIER, F. Hugo Richter. died. (Ge) Landtech. Forsch. 16(6):222. 1966. 58.8 L2332
- 41881 LASZLOFFY, W. In memory of Karoly Fazekas, 1897-1966. (Hu) Vizsgyi Kozlem. 3:391-394. 1966. 290.9 H89 Includes list of publications.
- 41882 THE LIVESTOCK industry is suffering a grave loss—Bartolo Maymone died in Rome. (It) G. Pollicoltori 15(12):126-127. Dec.1965. 47.8 G43
- 41883 MARTINI, S. Albrecht von Haller (1708-1777) as promoter of forestry and agriculture in Switzerland. (Ge) Schweiz. Landwirt. Monatsh. 44(9/10):321-327. Sept./Oct.1966. 17 Sch93 English summary.
- 41884 MARZELL, H. Leonhart Fuchs 400th anniversary of the compiler of the most beautiful German herbbook. (Ge) Kosmos 62(5):177-179. May 1966. 474 K842
- 41885 MEDICI, G. Arrigo Serpieri and Eliseo Jandolo: situation and prospects of reclamation and land transformation in Italy. (It) Accad. Naz. Agr. Ann. 77(1):35-41. 1966. 16 B632A
- 41886 MEET the State Statistician: Don [D.] Pittman. Agr. Situation [Washington] 51(2):14. Feb. 1967. 1 Ec7Ag
- 41887 NECROLOGY—Guido d'Elia. (It) Nuovo Prog. Vet. 21(22):1022. Nov.30,1966. 41.8 P942
- 41888 NIKOL'SKII, N. M., and others. A. K. Nuromskii. (Rus) Veterinariya 9:118-119. Sept. 1966. 41.8 V6426 A. A. Ostrovskii, A. A. Petukhovskii, and I. V. Shchur, joint authors.
- 41889 NORRGARD, A. Agr. dr. Nils R:son Kleen—a pioneer in pasture management. (Sw) Svensk Valtidskr. 4(6):190-191. 1965. 60.8 Sv22
- 41890 OBITUARY: D. V. Kohli. Plant Protect. Bull. 16(1/2):V. 1964, pub.1965. 421 P69
- 41891 OBITUARY: Herbert Lawrence Wright, O. B. E. Quart. J. Forest. 61(1):76. Jan.1967. 99.8 Q2
- 41892 O'BRIEN, M. Theodore P. Dykstra honored. Amer. Potato J. 43(8):301-302. Aug.1966. 75.8 P842 With honorary life membership in the Potato Association of America.
- 41893 OLA Bruland. (No) Sogn Fjordane Landbruksselsk. Arsmeld. 1965:3. 11 So2 Necrology.
- 41894 OSMUN, J. V., LEHKER, G. E., and DEAY, H. O. Memorial to Professor John June Davis. Entomol. Soc. Amer. N. Cent. Br. Proc. 21:7-8. 1966, pub.1967. 422.12 N81
- 41895 OTTO Feucht. (Ge) Kosmos 62(5):190. May 1966. 474 K842
- 41896 P. A. GLAGOLEV. (Rus) Veterinariya 9:126. Sept.1966. 41.8 V6426
- 41897 P. E. KOZHIN. (Rus) Veterinariya 9:126. -- Sept.1966. 41.8 V6426
- 41898 PROFESSOR Dr. Hugo Schanderl—65th anniversary. (Ge) Weinberg Keller 13(3):124-126. Mar.1966. 95.8 W435
- 41899 PROFESSOR Nicolai Michailovitch Gluskov, 1912-1966. (Fr) Apiculture 110(9/10):193-194. Sept./Oct.1966. 424.8 Ap3
- 41900 PROFESSOR of Animal Husbandry appointed: Professor D. E. Tribe. Australian Inst. Agr. Sci. J. 32(3):245. Sept.1966. 23 Au74
- 41901 RAO, V. P. Obituary: Professor [N.S.] Borkhansen. Indian J. Entomol. 28(1):154. Mar. 1966. 420 In23
- 41902 RETIREMENT of Mr. J. A. Morrow, B. Agr. Sc. J. Agr. [Melbourne] 64(10):456-457. Oct. 1966. 23 V66J
- 41903 RIJKE, DE. In memoriam: C. Visser. (Du) Neth. Dir. Landbouw. Landbouvoorlichting 23 (12):327-328. Dec.1966. 12 N383M
- 41904 RODT, P. Lauritz Moe, Heimdalt. (No) Norsk Pelsdyrbll. 40(24):581. Dec.20,1966. 412.628 N812
- 41905 ROSENBERGER, G. Richard Gotze and his work. (Ge) Deut. Tierarztsbl. 14(12):542,544-546. Dec.5,1966. 41.8 D484
- 41906 RZELSKI, J. Wladyslaw Jonecy. (Pol) Med. Weter. 22(11):704. Nov.1966. 41.8 M463 Obituary.
- 41907 SANDERS, I. T. Rex Devern Hopper (1898-1966). Rural Sociol. 31(4):514-515. Dec.1966. 281.28 R88
- 41908 SCHMIDT, T. Retired veterinary inspector general Prof. Kurt Schulze died. (Ge) Prakt. Tierarzt 47(11):594. Nov.1,1966. 41.8 P882
- 41909 SCHRODER, E. Our friend [Jupp] Grotennaus on his 65th birthday. (Ge) Landesverband Gartenbau Landwirt. Berlin. Mitteilungsbl. 17 (6):4. June 1966. 85 L233
- 41910 70 YEARS old. (Da) Maelkeritidende 79(50):1119. Dec.16,1966. 44.8 M26 Niels Eskesen.
- 41911 STARK, B. Australian Schlich Memorial Medal. Australian Timber J. Building Prod. Merchandiser 32(11):384. Dec.1966. 99.81 Au7 Sir William Schlich Memorial Medal given to Barry Stark.
- 41912 STIG Carlson will be 50 years old. (Sw) Mjertidskrift 28(1):17. Feb.1966. 44.8 M472
- 41913 STUBBS, E. L. Langdon Frothingham (1866-1935). Pathol. Vet. 3(5):565-567. 1966. 41.8 P27
- 41914 SUKACHEV, V. N., MOROZOVA, O. G., and MAGALIF, N. M. Founder of forest science; birthday centennial of G. F. Morozov. (Rus) Priroda [Moscow] 12:82-88. 1966. 410 P933
- 41915 UKSIP, A. A prominent explorer of the vegetation of Alutaguse. (Es) Eesti Loodus 2:102-103. Ref. Mar./Apr.1966. 409.6 Ee7 L. Gruner.
- 41916 V. I. PUKHOV. (Rus) Veterinariya 9:125-126. Sept.1966. 41.8 V6426
- 41917 VINDENES, E. Aksel Veitnes is 60 years old. (No) Ny Jord 53(5):149-150. Oct.1966. 282.28 N98
- 41918 VOCATIONAL school teacher Dipl. Ing. Franz Ruhnke. (Ge) Deut. Agrartechn. 16(12):535. Dec.1966. 58.8 D482
- 41919 WEILING, F. On 70th birthday of plant breeder and biometrics specialist Ottokar Heinisch. (Ge) Forsch. Fortschr. 40(4):125-126. Apr.1966. 474 F772
- 41920 WHO'S who in agricultural engineering. 87. Mr. E. H. Limmer. Farm Impl. Mach. Rev. 93 (1101):41-42. Jan.1,1967. 58.8 Im72
- 41921 WIELAND, T. Richard Kuhn is 65 years old. (Ge) Umschau 65(23):749. Dec.1,1965. 474 Um7

HISTORY

- 41922 BOHMER, S. Development was really revolutionary; production of German agriculture in the postwar period. (Ge) Raiffeisen-Rundschau 18(12):581-582. Dec.1966. 284.28 R132
- 41923 HESLINGA, C. F. Farming in the Bloemfontein district. 1. Formative years. Farming S. Afr. 42(8):19,21,32. Nov.1966. 24 S0842
- 41924 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Men and milestones in American agriculture. Washington, 1966. 59 p. (89th Cong., 2d sess.) S415.U5

HOME MANAGEMENT

- 41925 BURR, B. Guidelines for buying--china, glass-ware, silver, linens. Ky. Univ. Ext. 4-H 1069, 6 p. Nov.1966. 275.29 K415Fh
- 41926 CHURCH, H. L. Pressing fabrics & garments. Ariz. Univ. Ext. Circ. 216,rev.,14 p. July 1966. 275.29 Ar42
- 41927 HARRELL, G. P. Simplified sewing methods for professional results: collars and cuffs Hawaii. Univ. Ext. Home Econ. Circ. 308,rev., 12 p. Feb.1965. 275.29 H312H
- 41929 HARRELL, G. P. Simplified sewing methods for professional results: construction. Hawaii. Univ. Ext. Home Econ. Circ. 307,rev., 7 p. Feb.1965. 275.29 H312H
- 41929 HARRELL, G. P. Simplified sewing methods for professional results: formula for pleating a skirt. Hawaii. Univ. Ext. Home Econ. Circ. 311,rev.,4 p. Feb.1965. 275.29 H312H
- 41930 HARRELL, G. P. Simplified sewing methods for professional results: preparation of material. Hawaii. Univ. Ext. Home Econ. Circ. 306,rev.,12 p. Feb.1965. 275.29 H312H
- 41931 HARRELL, G. P. Simplified sewing methods for professional results: sleeves. Hawaii. Univ. Ext. Home Econ. Circ. 309,rev.,8 p. Feb.1965. 275.29 H312H
- 41932 KUPER, M. Promotion of farm home economics. (Ge) Ausbildung Beratung Land-Haus-wirtschaft. 19(11):207-209. Nov.1966. 18 N11 Education.
- 41933 MINNESOTA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to arrange furniture. Minn. Univ. Ext. Pam. 216,15 p. Sept. 1966. 275.29 M66P
- 41934 ZABEL, M. Buying mattresses for comfort. Minn. Univ. Ext. Bull. 330,15 p. Aug. 1966. 275.29 M66S

INTERNATIONAL RELATIONS

- 41935 MANRAI, M. L. Indicative world plan for agricultural development. Agr. Situation India 21(5):311-312. Aug.1966. 281.9 In23 FAO policy.
- 41936 MAURICE, C. Activities of official international organizations and relations of the CEA with them (FAO, ILO, OEEC, EC, EEC, EFTA, GATT). (Fr) Confed. Europe. Agr. Publ. CEA 33:81-102. 1966. 28 C763

METEOROLOGY

- 41937 EIMERN, J. VAN. Climate and weather in Bavaria, especially in retrospect on the two years 1964 and 1965. (Ge) Bayer. Landwirt. Jahrbuch 43(4):493-507. 1966. 18 L24
- 41939 GILBERT, D. E. The nature of climate. Calif. Univ. Water Resources Center. Rep. 9:106. July 1966. 292.9 C1282
- 41939 GONZALEZ, R. Cyclones in the Gulf of Mexico. (Sp) Agronomia [Monterrey] 111:10-15. Mar.1967. 8 Ag828
- 41940 HAMID, Q. Agricultural meteorology, its need and application. Agr. Pakistan 16(1):1-6. Mar.1965. 22 Ag832
- 41941 LAMB, J. Weather forecasts; outlook uncertain. Mod. Farmer 4(6):25. Nov./Dec.1966. 10 M723 Great Britain.
- 41942 NAMIAS, J. Relation between fluctuations in United States climatic patterns and 1962-65 drought. Amer. Water Works Ass. J. 58(12): 1528-1548, map. Dec.1966. 292.9 Am32J

- 41943 SCHNELLE, F. The Agricultural Meteorological Service of the German Weather Service of the Federal Republic of Germany [Agrar-meteorologischer Dienst of the Deutscher Wetterdienst]. (Ge) Agr. Meteorol. 4(1):1-10. Jan. 1967. 340.8 Ag8 English summary.
- 41944 WISER, E. H. Monte Carlo methods applied to precipitation-frequency analyses. Amer. Soc. Agr. Eng. Trans. ASAE 9(4):538-540,542. Ref. 1966. 290.9 Am32T

RESEARCH

- 41945 AFZAL, M. Impact of agricultural research on the development of agriculture in Pakistan. Agr. Pakistan 16(4):431-447. Dec.1965. 22 Ag832
- 41946 ARNHEN, INSTITUUT VOOR TOEGEPAST BIOLOGISCH ONDERZOEK IN DE NATUUR. Jaarverslag. Annual report; ITBON [Institute for Biological Field Research] in 1965. Arnhem. Inst. Toegepast Biol. Onderz. Natuur. Mededel. 80,56 p. 1966. 423.92 C33 English summary. Includes agricultural research.
- 41947 BARRET, A. The new Center of Agricultural Research [Centre de Recherche Agronomique] at Dijon. (Fr) Cah. Ingen. Agron. 209:26-27. Oct.1966. 14 C112
- 41948 INDIA. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Annual report, 1965-66. New Delhi, 1966. 192 p. 22 Im7 Includes agriculture-related research.
- 41949 KALDOR, D. R. A framework for establishing research priorities. J. Farm Econ. 48(5):1629-1640. Dec.1966. 280.8 J822 Includes discussion by G. K. Brinegar.
- 41950 LAVERTON, S. Rothamsted [Experimental Station] reports. Great Brit. Min. Agr. Fish. Food. Agr. 73(11):539-541. Nov.1966. 10 G79J
- 41951 MCMECKAN, C. P. How is the agricultural research? (Sp) Gac. Vet. 27(184):470-479. Nov.1965. 41.8 G112
- 41952 NEW ZEALAND, DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Report for the year ended 31 March 1966. Wellington, 1966. 85 p. 330.9 N48 Agricultural research programs included.
- 41953 NORIN SUISAN GIJUTSU KAIGI, JIMUKYOKU. Norin Suisan Gijutsu Kaigi no junen [Tenth anniversary of the Agriculture, Forestry, and Fisheries Research Council]. Tokyo, 1966. 608 p. S303.A321 Agricultural research.
- 41954 REUTHER, W. Some research needs for agricultural development of the West Side of the San Joaquin Valley. Calif. Univ. Water Resources Center. Rep. 9:133-134. July 1966. 292.9 C1282

STATISTICS

- 41955 BURROWS, P. M., and JUDGE, N. H. Approximations for the mean and variance of the estimated standard deviation in normal samples. Rhodesia Zambia Malawi J. Agr. Res. 4(2):127. July 1966. 24 R3472 Statistical methods.
- 41956 CLARK, C. A. Tables for computing percentages for numbers 1 to 250. U. S. Agr. Res. Serv. ARS-20-6, rev., 78 p. Dec.1966. A31.3 R31Ar
- 41957 ISRAEL. CENTRAL BUR. OF STATISTICS. Agricultural statistics in Israel; methods of compilation, edited by R. M. Barkay and M. Noam. Jerusalem, 1966. 2 v. (Its Technical Publications Series, No.21) HD2111.I8A2 U. S. Department of Agriculture Project No. A10-ERS-9; grant No. FG-IS-173.

- 41958 ROBINSON, J. Balanced incomplete block designs with double grouping of blocks into replications. *Biometrics* 22(2):368-373. June 1966. 442.8 B5224
In agricultural research.
- 41959 YATES, F. Computers, the second revolution in statistics. *Biometrics* 22(2):233-251. Ref. June 1966. 442.8 B5224
The first Fisher memorial lecture.
Includes examples of agricultural applications.

NEW PERIODICALS AND SERIALS

- AKADEMIYA NAUK SSSR. SIBIRSKOE OTDEL'NIE. INSTITUT LESA I DREVESINY. Puti sovershenstvovaniya inventarizatsii lesov Sibiri i Dal'nego Vostoka. 1965. Moskva, Nauka. SD555.A35
- AKTUELLE Fragen des Landbaues. No. 1. 1967. Berlin S465.A4
- ARGENTINE REPUBLIC. INSTITUTO NACIONAL DE VITIVINICULTURA. Informativo. v.1. Jan./Mar.1965. Mendoza. 99.9 Ar3
- ASSOCIACAO BRASILEIRA DE NUTRICIONISTAS. Boletim. v.1. 1965. Rio de Janeiro. July/Dec.1965. QP141.A1A8
- BUNKA to ryokka. v.15, No.8. Aug.1965. Tokyo, Kokusei Doshikai. JQ1601.B8
- BULLETIN of grain technology. v.2, No.1. Mar.1964. Hapur, Foodgrain Technologists Research Association of India. TS2120.B8
- CALIFORNIA. DEPT. OF AGRICULTURE. FIELD CROPS AND AGRICULTURAL CHEMICALS. Fertilizing materials, 1960. 1961. Sacramento. S631.C3
- THE CANADA land inventory report. No.2. 1965. Ottawa, Department of Forestry. SD13.A3
- CARTACTUAL. v.1, No.2/5. 1965. Budapest. G1046.G1C3
- CHEMISTRY and physics of lipids. v.1, No.1. Nov.1966. Amsterdam. QP751.C4
- FALL 1965. White Plains, New York. HC244.E2
- CHUNG pl. v.5, No.1. May 1966. Seoul, Chung-ju Piryo Chusik Hoesa. S631.C5
- EASTERN European economics. v.4, No.1. Fall 1965. White Plains, New York. HC244.E2
- ENVIRONMENTAL science & technology. v.1. Jan.1967. Washington, American Chemical Society. TD420.A1E5
- FERTILISER ASSOCIATION OF INDIA. Production and consumption of fertilisers, annual review. 1965. New Delhi. S631.F4
- INDIAN COUNCIL OF AGRICULTURAL RESEARCH. I.C.A.R. technical bulletin (anim. husb.). No.1. 1965. New Delhi. SF55.I4A2
- INSTITUTIONAL distribution. v.1, No.10. Apr.1966. New York. HD9000.1.15
- KUMASITECH. No.4. Feb.1965. Kumasi, Kwame Nrumah University of Science and Technology. 475 K96
- KYOTO DAIGAKU. TONAN AJIYA KENKYU SENTAI. Symposium series. No.1. 1965. Kyoto-shi. S539.J3K9
- LAND TENURE CENTER. Reprint series. v.1. 1964. Madison. HD101.L3
- LENINGRADSKII UNIVERSITET. Khimiya v estestvennykh naukakh. 1965. Leningrad, Izdatel'stvo Leningradskogo Universiteta. S585.L4
- LINNEANA belgica. No.1/2. June 1964. Hal, Ministere de l'education nationale et de la vulture. QL461.L5
- LOUISIANA farmer. Southwest edition. v.3, No.1. Jan.1966. Baton Rouge. S1.L63
- MICHIGAN MILK PRODUCERS' ASSOCIATION. Annual report, 1964/65. 1965. Detroit, Michigan. HD9282.M53M5
- NETHERLANDS. PROVINCIALE DIRECTIE VOOR DE RLKSLANDBOUWVOORLICHTING IN FRIESLAND. Voorlichting en onderzoek. Akker-en tuinbouw. 1963. Leeuwarde. SB183.N4A3
- NEW ZEALAND DAIRY PRODUCTION AND MARKETING BOARD. Farm production report and summary of Board's work. No.41. 1964. Wellington. HD9275.N451N4
- NEW ZEALAND. DEPT. OF AGRICULTURE. Livestock slaughtering. Sept.1966. Wellington. HD9428.N45A32
- NORIN SUISAN GLUTSU KAIGI JIMUKYOKU. Shitei shiken (Dojiyou hiryo). No.11. 1965. Hiroshima-shi. S599.J3A3
- NORSK natur. v.1, No.1. Jan.1965. Oslo Norges naturvernforbund. S900.N6
- NOTIZIARIO avicolo; mensile di zootecnica moderna. v.1, No.4/5. Sept./Oct.1966. Palermo. SF481.N6
- OSSERVATORIO PER LE MALATTIE DELLE PIANTE. SEZIONE ENTOMOLOGIA. Circolare. No.1. 1958. Fano. QL461.08

- REVISTA DE INVESTIGACIONES AGROPECUARIAS. Serie 5: Patología vegetal. v.1, No.1. 1964. Buenos Aires, Instituto Nacional de Tecnología Agropecuaria. 464.8 R322
- ROCZNIKI TECHNOLOGII I CHEMII ŻYWNOSCI. Annals of food technology and chemistry. v.10. 1964. Warszawa, Polska Akademia Nauk, Wydział Nauk Rolniczych i Lesnych, Komitet Technologii i Chemii Żywności. 389.8 R59
- SALVADOR. DIRECCION DE EXTENSION AGRICOLA. Hoja divulgativa. No.65. Oct. 1964. Santa Tecla. S15.S2
- SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS. Proceedings of the 17th annual conference. 1965. Columbia, South Carolina. SK1.S6
- SPAIN. DIRECCION GENERAL DE GANADERIA. Boletín zoosanitario. No.8. 1966. Madrid. SF604.S6

- ZDOKONALENA sustava riadenia pol'nohospodarstva. No.1. 1966. Bratislava, Slovenske Vydavateľstvo Podohospodarskej Literatúry. HD1940.C95A2
- U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Rogue River National Forest. 1965. Portland, Oregon. aSD428.R6A5
- U. S. CONSUMER AND MARKETING SERV. Dairy and poultry market news. Federal-State market news service; daily report. July 14, 1966. Los Angeles. aHD9284.U53L6
- STATISTIQUE agricole. No.1. May 1966. Alger, Ministère de l'agriculture et de la réforme agraire. HD2131.A4A3
- STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Überseeische Assoziierte. Statistisches bulletin. Overseas associates. Statistical bulletin. No.7. 1965. Brussels. HA1107.S7

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

- *AKIM, L. E., and EL'NITSKAYA, Z. P. Influence of the conditions of bleaching and refining of sulfite pulp on aging and reactivity in viscose formation. J. Appl. Chem. USSR 39 (3):643-647. Ref. Mar.1966. 385 Z64Ae
- *ALEKSAKHIN, R. M., and RAVIKOVICH, M. M. Certain patterns in the behavior of alkaline earth elements (Ca, Mg, Sr) in forest biogeocenosis. Soviet Soil Sci. 4:414-421. Ref. Apr.1966. 57.8 P34Ae
- *ALEKSIC, Z. Composition and changes in humus of the parapodzol of western Serbia. J. Sci. Agr. Res. 18(63):53-88. Ref.,p.85-88. 1965. 21.5 Y9Ae
- *ALESHIN, E. P., and CHIGRIN, V. V. The physiological and biochemical reaction of spring wheat varieties, with varying resistance, to stem rust infection. Soviet Plant Physiol. 13(1):85-90. Ref. Jan./Feb.1966. 450 F58Ae
- *AMARYAN, L. S., BAZIN, Y. T., and LISHTVAN, I. I. Swelling mechanism of weakly decomposed peat. Soviet Soil Sci. 4:391-395. Ref. Apr.1966. 57.8 P34Ae
- *ANISIMOV, A. A. On the mechanism of the action of phosphorus on carbohydrate movement. Soviet Plant Physiol. 13(1):59-63. Ref. Jan./Feb.1966. 450 F58Ae
- *ANTONOVIC, G. Genesis and properties of soil on red sandstones of eastern Serbia. J. Sci. Agr. Res. 18(63):137-189. Ref.,p.187-189. 1965. 21.5 Y9Ae
- *AVAKOVA, L. S., KUSTOVA, S. D., and SHSHEDRINA, M. M. Composition of the terpentine fractions obtained by distillation of coriander oil. J. Appl. Chem. USSR 39(3):679-682. Mar.1966. 385 Z64Ae
- *AVAKYAN, V. A., and others. Influence of X-ray irradiation upon the yield and chemical composition of the potato. Radiobiology 6(1): 200-204. Nov.1966. 442.8 R11Ae
- L. A. Gukasyan, I. Sh. Sisakyan, and S. O. Avakyan, joint authors.
- BANDZRAGCH, H. Urgent task of state farm workers. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:15-16. Nov.22,1966. (JPRS 38,741; TT 66-35165) 173 J663Tmo
- Translation from Unen, Apr.24,1966:2
- Issued by CFSTI.
- *BARDYSHEV, I. I., MOLCHAN, G. V., and KULIKOV, V. I. Presence of terpinolene in Soviet turpentine. J. Appl. Chem. USSR 39 (3):627-631. Ref. Mar.1966. 385 Z64Ae
- *BAYUSHEVA, M. I. Spring slope runoff from the principal agricultural lands of the Kunda Steppe. Soviet Soil Sci. 4:399-405. Apr.1966. 57.8 P34Ae

- *BELL, L. N. Physiological significance of the green color of photosynthesizing plants. Soviet Plant Physiol. 13(1):4-10. Ref. Jan./Feb.1966. 450 F58Ae
- *BOGDASHEVSKAYA, O. V., and RUNOVA, YU. N. Influence of gamma irradiation of rye seeds on the dynamics of the accumulation of chlorophyll and carotene. Radiobiology 6(2): 180-184. Nov.1966. 442.8 R11Ae
- BUCAN, M. Profile of Bulgarian agriculture viewed by Yugoslav writer. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 520:1-16. Feb.10,1967. (JPRS 39,866; TT 67-30514) 173 J663Ste
- Translation from Agronomski Glasnik 16(10): 731-740. 1966.
- Issued by CFSTI.
- *CHEL'TSOVA, L. P. On formation of a dormant meristem in the apical cone of wheat. Soviet Plant Physiol. 13(1):103-108. Ref. Jan./Feb.1966. 450 F58Ae
- *CHIRKIN, G. S., and TISHCHENKO, D. V. Coloring substances in cellulose. J. Appl. Chem. USSR 39(2):397-401. Ref. Feb.1966. 385 Z64Ae
- COCHEREAU, P. Insect pest control in the New Hebrides. S. Pacific Bull. 16(4):30-31. Fourth Q.1966. 280.8 So89
- Translation from Academie d'Agriculture de France.Comptes Rendus 51(5):318-321. Mar.3/10, 1965.
- DAMYANOV, K. Questions of cooperative farm taxation and the new system of economic management: Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 508:6-17. Dec.28,1966. (JPRS 39,308; TT 66-35730) 173 J663Ste
- Translation from Chetnost i Kontrol v Sel'sko Stopanstvo 11:475-482. Nov.1966.
- Issued by CFSTI.
- *DANILOVA, N. S. Utilization of endosperm nitrogen and nitrogen of the nutrient medium by maize seedlings. Soviet Plant Physiol. 13(1):77-84. Jan./Feb.1966. 450 F58Ae
- *DAVITYAYA, F., MASHBITS, Y. G., and RYAB-CHIKOV, A. M. The status of geography in Cuba. Soviet Geogr. Rev. Transl. 7(1):33-40. Jan.1967. 331.8 So8
- DEMBEREL, TS. A further development of agriculture. U. S. Joint Publ. Res. Serv. Transl. Mongolia 121:19-22. Nov.22,1966. (JPRS 38,714; TT 66-35165) 173 J663Tmo
- Translation from Sotsialist Hodoo Aj Ahui, May 5,1966:2.
- Issued by CFSTI.
- *DOROKHOV, B. L., BARANINA, I. I., and MAKHARINETS, S. N. On winter gas exchange in winter wheat. Soviet Plant Physiol. 13(1):143-145. Jan./Feb.1966. 450 F58Ae
- *DRYAGINA, I. V., KALINICHENKO, I. M., and LOZHKINA, V. G. Cytological disorders in apple roots after irradiation of seeds. Radiobiology 6(1):210-220. Ref. Nov.1966. 442.8 R11Ae
- FEIGL, F., and ANGER, V. Spot tests in organic analysis. Ed. 7, completely rev. and enl. 772 p. Ref. QD81.F7
- Translation from the German.
- *FILIPOVIC, D. Soil erosion of pastureland in eastern Serbia. J. Sci. Agr. Res. 19(63):5-51. map. Ref. 1965. 21.5 Y9Ae
- *GASANOV, B. I. Genesis of meadow Cinnamon-Brown soils of Azerbaydzhan. Soviet Soil Sci. 4:381-390. Ref. Apr.1966. 57.8 P34Ae
- *GERASIMOV, I. P. A world soil map and associated scientific problems. Soviet Soil Sci. 4:369-380. Ref. Apr.1966. 57.8 P34Ae
- GIOSAN, N. Results and perspectives of wheat growing: Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 507:29 p. Dec.28,1966. (JPRS 39,279; TT 66-35701) 173 J663Ste
- Translation from Probleme Agricole 10:3-34. Oct.1966.
- CFSTI: \$2.00.
- *GRIGOR'EV, G. P., and others. Surface-active properties of lignosulfonates. J. Appl. Chem. USSR 39(3):676-678. Mar.1966. 385 Z64Ae
- T. M. Vasil'eva, K. I. Vlasova, and A. I. Kunina, joint authors.
- *IMAMALIEV, A. I., and BAR'ETAS, P. K. Influence of the periods of defoliation on the carbohydrate metabolism in cotton fiber. Soviet Plant Physiol. 13(1):46-52. Ref. Jan./Feb. 1966. 450 F58Ae
- *ISAEV, B. M., and BREGADZE, YU. I. Method of calculating the absorbed dose in plant seeds after their irradiation by fast neutrons. Radiobiology 6(1):221-224. Nov.1966. 442.8 R11Ae
- *IVANOV, N. M. Effect of trace elements upon the respiration and other physiological processes of certain woody plants. Soviet Plant Physiol. 13(1):69-76. Jan./Feb.1966. 450 F58Ae
- IVANOVIC, M. Some problems in Yugoslav agriculture in the coming economic year. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 513:36-42. Jan.17, 1967. (JPRS 39,561; TT 67-30211) 173 J663Ste
- Translation from Poljoprivreda 10/11:1-7. Oct./Nov.1966.
- Issued by CFSTI.
- *IZOTOV, V. F. The attenuation of solar radiation by a forest canopy as affected by weather conditions. Soviet Plant Physiol. 13(1):150-152. Jan./Feb.1966. 450 F58Ae
- JIANU, E. Economic effectiveness of investments and utilization of fixed assets in state farms: Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 506:13 p. Dec.22,1966. (JPRS 39,247; TT 66-35669) 173 J663Ste
- Translation from Revista de Statistica 15(9): 32-41. Sept.1966.
- CFSTI: \$1.00.
- *KADYKOV, B. I., LYUTINSKII, S. I., and BALANIN, V. I. Phase changes in the thermoregulation in rabbits after total X-ray irradiation. (Thermographic observation). Radiobiology 6(2):219-224. Ref. Nov.1966. 442.8 R11Ae
- *KAZHDAN, M. V., and others. A study of structure formation in the degradation of vulcanized rubbers. Polymer Sci. U.S.S.R. 8(2): 218-221. Dec.1966. 361 P763
- T. N. Dymayeva, Z. Ya. Berestneva, and V. A. Kargin, joint authors.
- *KENESARINA, N. A. Peculiarities of the water conditions in leguminous plants. Soviet Plant Physiol. 13(1):53-58. Ref. Jan./Feb.1966. 450 F58Ae
- *KERIMOV, S. SH. Heraclenine from the roots of Hippomarathrum microcarpum, family Umbelliferae. J. Appl. Chem. USSR 39(3):616-619. Ref. Mar.1966. 385 Z64Ae
- *KESHISHEV, V. N. The runoff in eastern Cuba. Soviet Geogr. Rev. Transl. 7(1):1-12, map. Jan.1967. 331.8 So8
- *KHARCHENKO, L. N., and PONOMAREV, E. D. Qualitative composition of essential oils evaporated by lavender, sage, and Indian mustard. Soviet Plant Physiol. 13(1):134-138. Ref. Jan./Feb.1966. 450 F58Ae
- *KHMELEVA, N. N., and LAVRENT'eva, G. M. On the accumulation of radioisotopes of strontium, yttrium, and cerium by filamentous algae in the presence of EDTA and dissolved organic matter. Radiobiology 6(1):184-191. Ref. Nov.1966. 442.8 R11Ae
- *KLYACHKO-GURVICH, G. L., and ZHUKOVA, T. A. Changes in the fatty acid biosynthesis under conditions of nitrogen starvation in Chlorella pyrenoidosa. Soviet Plant Physiol. 13(1): 11-19. Ref. Jan./Feb.1966. 450 F58Ae
- *KOBYL'SKII, G. I., and others. Inhibiting effect of hydroxylamine on the growth of corn coleoptile segments, induced by auxin. Soviet Plant Physiol. 13(1):39-42. Jan./Feb.1966. 450 F58Ae
- V. V. Polevoi, V. I. Yuzenasov, and L. D. Vozilova, joint authors.

- *KONOVALOV, I. N. Physiological investigations in the V. L. Komarov Botanical Institute of the USSR Academy of Sciences (on the 250th anniversary of its foundation). Soviet Plant Physiol. 13(1):166-171. Jan./Feb. 1966. 450 F58Ae
- *KONOVALOV, YU. B. Some consequences of restricting the number of ovaries in wheat and barley spikes. Soviet Plant Physiol. 13(1):119-126. Jan./Feb. 1966. 450 F58Ae
- *KOTOV, V. B., and KONOVALOV, S. A. Influence of amino acids on dextrinase biosynthesis in an experimentally produced *Aspergillus usami* 3758/45. Microbiologia 35(1):16-21. Jan./Feb. 1966. 448.3 M582Ae
- *KRASOCHKIN, R. V., and MOSHKOV, B. S. A study of the growth and geotropic reactions of plants under the effect of centrifugal force. Soviet Plant Physiol. 13(1):158-165. Ref. Jan./Feb. 1966. 450 F58Ae
- *KRUZHLIN, A. S., and SHVEDSKAYA, Z. M. Effect of the spectral distribution of light on the development of biennial and certain annual plants. Soviet Plant Physiol. 13(1):109-118. Ref. Jan./Feb. 1966. 450 F58Ae
- *KRYSCIANK, J., OSTROWSKI, H., and RYS, R. Changes in the content of free amino acids in pig blood plasma after ingestion of food. Acta Biochim. Pol. 13(3):229-235. Ref. 1966. 385 Ac85Ae
- *KUZNETSOV, E. D. Peculiarities of the mineral nutrition of *Chlorella* during nitrogen deficiency. Soviet Plant Physiol. 13(1):20-22. Ref. Jan./Feb. 1966. 450 F58Ae
- *KUZNETSOVA, G. A., and ZORINA, A. D. Coumarins from the roots of *Prangos seraw-schanica* (Rgl. et Schmalh) Korov. J. Appl. Chem. USSR 39(2):454-455. Ref. 1966. 385 Z64Ae
- *KYDREV, T. G. The effect of vitamins, adenine, indole-3-acetic acid and 2,4-dichlorophenoxyacetic acid on the crop yield of plants after drought. Soviet Plant Physiol. 13(1):43-45. Ref. Jan./Feb. 1966. 450 F58Ae
- *LEVASHKEVICH, G. A. Interaction of humic acids with iron and aluminum hydroxides. Soviet Soil Sci. 4:422-427. Ref. Apr. 1966. 57.8 P34Ae
- *LOMAKINA, V. I., and others. Organic insecticides. LXXXIX. J. Gen. Chem. USSR 36(3):465-479. Ref. Mar. 1966. 385 Z6Ae
- Ya. A. Mendel'baum, N. N. Mel'nikov, A. F. Grapov, N. V. Lebedeva, B. A. Khaskin, and L. T. Elepina, joint authors.
- *MAZUS, B., and BUCHOWICZ, J. Dihydropyrimidinase activity in pea plants. Acta Biochim. Pol. 13(3):267-273. Ref. 1966. 385 Ac85Ae
- *MOCHALKIN, A. I., and BUEVICH, YU. A. Influence of a high-frequency gas discharge on free radical formation in amino acids. Radiobiology 6(2):56-60. Ref. Nov. 1966. 442.8 R11Ae
- MOSKALEV, V. Domestic services must be made available to the rural population. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 164:1-5. Jan. 3, 1967. (JPRS 39,379; TT 67-30030) 173 J663Tro
- Translation from Trud, Nov. 15, 1966:2. Issued by CFSTI.
- *NIKODJEVIC, V. Aluminum content and dynamics of western Serbia's parapaed soils. J. Sci. Agr. Res. 18(63):89-136. Ref. p. 133-136. 1965. 21.5 Y9Ae
- *PADUCHEVA, A. L., and BELUZINA, O. P. Cysteine synthesis by skin homogenates. Bull. Exp. Biol. Med. 61(4):395-397. Apr. 1966. 442.8 B87Ae
- *PARIBOK, V. P., and GENTER, E. I. Antiradiation effect of inert gases and low-molecular narcotics. 5. Protective effect of lower monohydric alcohols in the X-ray irradiation of bean sprouts. Radiobiology 6(1):153-158. Ref. Nov. 1966. 442.8 R11Ae
- PAVLOVSKII, E. N. Natural foci of transmissible diseases as related to territorial epidemiology of zoonoses. 254 p. (JPRS 35,245; TT 66-31682) RA639 P33
- Translation of Prirodnyaya Ochagovost' Transmissivnykh Boleznей v Svyazi s Landshaftnoi Epidemiologii Zoonozopozov. CFSTI: \$6.00.
- *PCHELIN, V. A., and NIKOLAYEVA, S. S. Ageing of collagen. Polymer Sci. U.S.S.R. 8(1):146-152. Ref. Nov. 1966. 381 P763
- *PETROPAYLOVSKII, G. A., and RAKHMAN-BERDIEV, G. Structural and analytical characteristics of the products formed by extensive hydrolysis of cellulose acetate. J. Appl. Chem. USSR 39(2):387-390. Feb. 1966. 385 Z64Ae
- PETROV, N. Development of the milk-canning industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 164:36-42. Jan. 3, 1967. (JPRS 39,379; TT 67-30030) 173 J663Tro
- Translation from Molochnaya Promyshlennost' 11:4-7. 1966. Issued by CFSTI.
- *PITINA, M. R., and SHVETSOV-SHILOVSKII, N. I. Synthesis of dialkoxytetraakis(dimethylamino)-hexahydrotriazatrisphosphorines. J. Gen. Chem. USSR 36(3):517-519. Mar. 1966. 385 Z6Ae
- *POMOSHCHNIKOVA, N. A., MOKHOVA, E. N., and LEONOVA, V. G. Effect of X-ray irradiation on the cytochrome systems of yeast organisms. Radiobiology 6(1):18-23. Nov. 1966. 442.8 R11Ae
- *PONOMAREV, G. V. Influence of the conditions of culturing seed material on the manifestation of radiobiological effects during the subsequent irradiation of seeds by fast neutrons. Radiobiology 6(2):189-194. Nov. 1966. 442.8 R11Ae
- *PONTOVICH, V. E., and SVESHNIKOVA, I. N. Formation of *Papaver somniferum* L. embryos in ovules cultured in vitro. Soviet Plant Physiol. 13(1):91-102. Ref. Jan./Feb. 1966. 450 F58Ae
- *POTAPOV, B. I. Influence of moisture content and soil compaction on the soil's maximum shear strength. Soviet Soil Sci. 4:396-398. Apr. 1966. 57.8 P34Ae
- *PREDVODITELEV, D. A., NIFANT'EV, E. YE., and ROGOVIN, Z. A. A new method of synthesizing phosphorus-containing cellulose esters. Polymer Sci. U.S.S.R. 8(1):80-84. Nov. 1966. 381 P763
- *RAKITIN, YU. V., and others. Peculiarities of the detoxification of 2, 4-D in plants sensitive and resistant to this herbicide. Soviet Plant Physiol. 13(1):30-38. Ref. Jan./Feb. 1966. 450 F58Ae
- V. A. Zemskaya, E. I. Voronina, and L. M. Chernikova, joint authors.
- *REZNIKOV, V. M., and PONUROV, G. D. The mechanism of acid condensation of lignin. J. Appl. Chem. USSR 39(2):346-352. Ref. Feb. 1966. 385 Z64Ae
- *RODE, A. A. Some problems of soil genesis in the works of V. V. Ponomareva. Soviet Soil Sci. 4:437-444. Ref. Apr. 1966. 57.8 P34Ae
- *RODIONOV, V., PETROV, KH., and DIMITROVA, V. The effect of presowing heat treatment of seeds on yield and some physiological processes in cucumbers. Soviet Plant Physiol. 13(1):153-157. Ref. Jan./Feb. 1966. 450 F58Ae
- *THE ROLE of D. N. Pryanishnikov in the development of plant physiology and biochemistry. (In commemoration of the one hundredth anniversary of his birth). Soviet Plant Physiol. 13(1):1-3. Jan./Feb. 1966. 450 F58Ae
- ROMER, A. S. Vergleichende Anatomie der Wirbeltiere [Comparative anatomy of vertebrates]. Ed. 2, rev. and enl. 535 p. QL805.R6
- Translation from The Vertebrate Body. Ed. 3.

- *SALAMATOVA, T. S., and BALAYAN, E. N. Adenosine triphosphatase of the cellular fractions of the growth zones of lupin roots. *Soviet Plant Physiol.* 13(1):64-68. Ref. Jan./Feb. 1966. 450 F58Ae
- *SAVIN, V. N., and SHUTOV, A. A. Change in the growth and rate of leaf formation of barley plants after gamma irradiation of seeds. *Radiobiology* 6(1):205-209. Nov. 1966. 442.8 R11Ae
- *SEMEVSKIY, B. N. Social and natural conditions of Cuban agriculture. *Soviet Geogr. Rev. Transl.* 7(1):12-25. Ref. Jan. 1967. 331.8 So8
- *SHEVCHENKO, L. A., BIRYUZOVA, V. L., and MEISEL', M. N. Effect of antibiotics inhibiting protein synthesis on the structural organization of yeast cells. *Microbiology* 35(1):68-74. Ref. Jan./Feb. 1966. 448.3 M582Ae
- *SIDOROV, B. N., SOKOLOV, N. N., and DEMIN, YU. S. Analysis of the primary effects of radiation on the chromosomes. *Radiobiology* 6(1):131-137. Ref. Nov. 1966. 442.8 R11Ae
- SINAK, J. Material incentive under new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 487:1-9. Oct. 28, 1966. (JPRS 38,375; TT 66-34801) 173 J363Ste
Translation from *Ekonomika Zemel'stvi* 8: 205-208. Aug. 1966.
Issued by CFSTI.
- *SKRYNNIKOVA, I. N. Aleksey Andreyevich Rode (on the occasion of his 70th birthday and 45th year of scientific research work). *Soviet Soil Sci.* 4:450-455. Apr. 1966. 57.8 P34Ae
- *STRUNNIKOV, V. N., and TISHCHENKO, D. V. Isolation and purification of water-soluble sulfate lignin. *J. Appl. Chem. USSR* 39(2):391-396. Feb. 1966. 385 Z64Ae
- SUNG, Y. H. Pulp and paper technology in 17th century China. *Pulp Pap. Mag. Can.* 2(1):107-110. Jan. 1967. 302.8 P96
Translated excerpts from the book "Chinese Technology in the Seventeenth Century."
- *TISHCHENKO, D. Chemical composition of the acid liquor from wood-gas producers. *J. Appl. Chem. USSR* 39(2):402-405. Feb. 1966. 385 Z64Ae
- *TOKARSKAYA, V. I., and KUZIN, A. M. Effect of fast neutrons on DNA synthesis in sprouts. *Radiobiology* 6(1):1-10. Ref. Nov. 1966. 442.8 R11Ae
- *TSILOSANI, G. A. Influence of irradiation on the biological properties of the causative agent of bacterial cancer of tea bushes. *Radiobiology* 6(2):234-237. Nov. 1966. 442.8 R11Ae
- *TUMANOV, I. I., and KRASAVTSEV, O. A. Elucidation of the conditions required for vitrification of plant cells. *Soviet Plant Physiol.* 13(1):127-133. Ref. Jan./Feb. 1966. 450 F58Ae
- *TURETSKAYA, R. KH., KEFELI, V. I., and KOF, E. K. The role of natural growth regulators in organ formation in cherry and grape cuttings. *Soviet Plant Physiol.* 13(1):23-29. Jan./Feb. 1966. 450 F58Ae
- *UZORIN, E. K., and TOKARSKAYA, V. I. Redistribution of free sugars in plants after gamma irradiation. *Radiobiology* 6(2):185-188. Nov. 1966. 442.8 R11Ae
- *YAKULIN, A. A., and MOKIYENKO, V. F. Microelement content in the sands of the Lower Volga. *Soviet Soil Sci.* 4:428-436. Apr. 1966. 57.8 P34Ae
- *VAVILOV, P. P., and others. On the inhibiting effect of small doses of ionizing radiations upon vegetating cells. *Radiobiology* 6(2):166-173. Ref. Nov. 1966. 442.8 R11Ae
I. N. Verkhovskaya, O. N. Popova, and R. P. Kodaneva, joint authors.
- *VOLKOV, V. P. Effect of slitting on soil moisture dynamics. *Soviet Soil Sci.* 4:406-413. Ref. Apr. 1966. 57.8 P34Ae
- *VYRODOVA, L. P., and SHARKOV, V. I. Effect of temperature on dissolution of cellulose in concentrated sulfuric acid. *J. Appl. Chem. USSR* 39(3):637-642. Mar. 1966. 385 Z64Ae
- WAHL, O. Comparative investigations on the nutritive value of pollen, yeast, soy flour and powdered milk for the honey bee (*Apis mellifera*); a contribution to the protein and vitamin metabolism of the bee. 125 p. Ref. (Transl. 16299)
Translation from *Zeitschrift für Bienenforschung* 6(8):209-280. Oct. 1963.
- *ZHAILBAEV, K. N., and KHASANOV, E. KH. On the formation and productivity of the photosynthetic apparatus of soybean under varying irrigation conditions. *Soviet Plant Physiol.* 13(1):146-149. Ref. Jan./Feb. 1966. 450 F58Ae
- *ZHIVUKHINA, G. M., and YAKUSHKINA, N. I. Effect of heteroauxin and gibberellin on respiration and oxidative phosphorylation of mitochondria from pea shoots. *Soviet Plant Physiol.* 13(1):139-142. Ref. Jan./Feb. 1966. 450 F58Ae
- ZIESCHANG, R. Task and direction of mechanization of agricultural production in the present stage of social development. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 520:17-26. Feb. 10, 1967. (JPRS 39,866; TT 67-30514) 173 J633Ste
Translation from *Deutsche Agrartechnik* 1:1-4. Jan. 1967.
Issued by CFSTI.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Publications in the various United States Department of Agriculture series are listed first, followed by publications issued by the various agencies within the Department, arranged alphabetically by name of agency.

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Agricultural Economic Reports

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Rural people in the American economy. U. S. D. A. Agr. Econ. Rep. 101,125 p.,map. Ref.,p.99-101. Oct.1966. A261.9 Ag8A

GALE, H. F. The farm food marketing bill and its components. U. S. D. A. Agr. Econ. Rep. 105,58 p. Jan.1967. A261.9 Ag8A
Bibliography, p.34-39.

Agriculture Handbooks

KLINGBIEL, A. A., and MONTGOMERY, P. H. Land-capability classification. U. S. D. A. Agr. Handbook 210,21 p. Sept.1966. 1 Ag84Ah

Farmers' Bulletins

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. POULTRY RESEARCH BR. Squab raising. U. S. D. A. Farmers' Bull. 684,rev.,22 p. Nov.1966. 1 Ag84F

DARROW, G. M. Strawberry culture, South Atlantic and Gulf Coast regions. U. S. D. A. Farmers' Bull. 1026,slightly rev.,36 p.,map. Dec.1966. 1 Ag84F

LAMBERT, E. B. Mushroom growing in the United States. U. S. D. A. Farmers' Bull. 1875,slightly rev.,12 p. Jan.1967. 1 Ag84F

DARROW, G. M.; and MOORE, J. N. Blueberry growing. U. S. D. A. Farmers' Bull. 1951, 33 p.,rev.,map. Dec.1966. 1 Ag84F

JOHNSON, E. W. Ornamental woody vines for the southern Great Plains. U. S. D. A. Farmers' Bull. 2015,rev.,22 p.,map. Nov.1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Improving your dairy herd through the National Cooperative Dairy Herd Improvement Program. U. S. D. A. Farmers' Bull. 2132,rev.,10 p. Jan.1967. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing raspberries. U. S. D. A. Farmers' Bull. 2165,rev.,14 p. Jan.1967. 1 Ag84F

Leaflets

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Hog castration. U. S. D. A. Leaflet 473,rev.,6 p.-folder. Nov.1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Watermelons for the garden. U. S. D. A. Leaflet 528,slightly rev., 8 p. Dec.1966. 1 Ag84L

Miscellaneous Publications

U. S. AGRICULTURAL RESEARCH SERV. 5-bedroom rural dwelling; cooperative farm building plan No. 7181. U. S. D. A. Misc. Publ. 1038,2 p. Sept.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. 2-bedroom farm dwelling; cooperative farm building plan No. 7176. U. S. D. A. Misc. Publ. 1042,2 p. Jan.1967. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. Beef cattle corrals; cooperative farm building plan Nos. 5991,5974,5952. U. S. D. A. Misc. Publ. 1044,2 p. Dec.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. Picnic shelter, wood construction; cooperative farm building plan No. 5995. U. S. D. A. Misc. Publ. 1047,2 p. Jan.1967. 1 Ag84M

Program Aid

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. The United States National Arboretum, Washington, D. C. U. S. D. A. PA-309,rev., 8 p.-folder, map. Nov.1966. 1 Ag84Pro

U. S. CONSUMER AND MARKETING SERV. PACKERS AND STOCKYARDS DIV. Record-keeping for livestock dealers under the Packers and Stockyard Act. U. S. D. A. PA-590, slightly rev.,7 p. Aug.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Milk white magic; a guide for program aides in home economics. U. S. D. A. PA-746,2 p. Aug.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Drown-proofing can save your life. U. S. D. A. PA-777,4 p. Dec.1966. 1 Ag84Pro

U. S. AGRICULTURAL RESEARCH SERV. Trapping insects with light; student or classroom science project No. 2. U. S. D. A. PA-787,4 p. Dec.1966. 1 Ag84Pro

Statistical Bulletins

U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, July 1965-June 1966. U. S. D. A. Statist. Bull. 382,61 p. Jan. 1967. 1 Ag84St

Unnumbered Publications

- ISRAEL, CENTRAL BUR. OF STATISTICS. Agricultural statistics in Israel; methods of compilation, edited by R. M. Barkay and M. Noam. Jerusalem, 1966. 2 v. (Its Technical Publications Series, No.21) HD2111.I8A2
U. S. Department of Agriculture Project No. A10-ERS-9; grant No. FG-IS-173.
- RAO, V. P. Survey for natural enemies of Aedeagus spp. attacking silver fir and spruce in the Himalayas; final technical report, May 2, 1960 to May 1, 1965. Bangalore, Commonwealth Institute of Biological Control, Indian Station, 1965. 85 p. Ref. SB975.R3
U. S. PL-480 project; Grant No. FG-In-100; project No. A7-FS-7.
- U. S. DEPT. OF AGRICULTURE. Budget estimates for United States Department of Agriculture for the fiscal year ending June 30, 1968. Washington, 1967. various paging. 1 Ag87Es
- U. S. DEPT. OF AGRICULTURE. Pesticides programs, U.S. Department of Agriculture. Washington, 1966? various paging. aSB623.U5

AGRICULTURAL RESEARCH SERVICE

- CITRUS CHEMISTRY AND UTILIZATION CONFERENCE. Proceedings, Winter Haven, Florida, October 13, 1965. U. S. Agr. Res. Serv. ARS-72-51,31 p. Ref. Sept.1966. 1.932 A44Ab8
Sponsored by Southern Utilization Research and Development Division.
Summaries of statements.
- CITRUS PROCESSING CONFERENCE. Proceedings, Winter Haven, Florida, October 7, 1964. U. S. Agr. Res. Serv. ARS-72-43,23 p. Jan.1966. 1.932 A44Ab8
Sponsored by Southern Utilization Research and Development Division.
Summaries of statements.
- CLARK, C. A. Tables for computing percentages for numbers 1 to 250. U. S. Agr. Res. Serv. ARS-20-6,rev.78 p. Dec.1966. A31.3 R31Ar
- CONFERENCE ON MAPLE PRODUCTS, 6, PHILADELPHIA, PENNSYLVANIA, 1965. Proceedings. Philadelphia, U. S. Agricultural Research Service Eastern Utilization Research Development Division, 1965. 67 p. A67.9 R31
Includes introductory remarks by J. A. Bochy, E. J. Lott, R. E. Skog, and M. E. Smith.
- COTTON UTILIZATION RESEARCH CONFERENCE, 4, NEW ORLEANS, LOUISIANA, 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-41,68 p. Ref. Nov.1965. A381 R31
Sponsored by the Southern Utilization Research and Development Division, U. S. Agricultural Research Service.
Including remarks by G. E. Goheen and O. Goedecke, and discussion of papers.
- MCGUINNESS, J. L. A comparison of lysimeter catch and rain gage catch. U. S. Agr. Res. Serv. ARS-41-124,9 p. Ref. Oct.1966. A56.9 R31
Ohio Agricultural Research and Development Center, cooperating.
- SYMPOSIUM ON PEST CONTROL BY CHEMICAL, BIOLOGICAL, GENETIC, AND PHYSICAL MEANS, MONTREAL, 1964. [Papers]. U. S. Agr. Res. Serv. ARS-33-110,214 p.,map. Ref. July 1966. A420 R31
Chairman, E. F. Knipling; presented at meeting of the American Association for the Advancement of Science, Section O on Agriculture.

- U. S. AGRICULTURAL RESEARCH SERV. General catalogue of the Homoptera, Fascicle VI. Cicadelloidea. 16. Idioceridae, by Z. P. Metcalf. Washington, U. S. Agricultural Research Service, 1966. 237 p. (General catalogue of the Homoptera, Fasc.6) 431 H78Gc
Contribution from North Carolina Agricultural Experiment Station.
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 16, authors: A to Z, by D. B. Segal and J. M. Humphrey, with the assistance of M. I. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 347 p. 1 An5Ind
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. POULTRY RESEARCH BR. 1966 report of egg production tests, United States and Canada; random sample egg production tests, two-year combined summary, 1964-65 and 1965-66, range group rankings, 1965-66. U. S. Agr. Res. Serv. ARS-44-79-7,51 p. Dec.1966. A49.9 R31A
- U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. COTTON AND CORDAGE FIBERS RESEARCH BR. Results of 1965 regional cotton variety tests. U. S. Agr. Res. Serv. ARS-34-82,75 p.,map. Dec.1966. A64.9 R31A
Agricultural Experiment Stations of Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, Missouri, Nevada, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas, cooperating.
Analyzed and prepared for publication by C. F. Lewis and T. Kerr.
- CONSUMER AND MARKETING SERVICE
- U. S. CONSUMER AND MARKETING SERV. 1967 acreage-marketing guides, spring potatoes. U. S. Consum. Marketing Serv. AMG 53, 36 p. Nov.1966. A281.3919 M34
- U. S. CONSUMER AND MARKETING SERV. FRUIT AND VEGETABLE DIV. Marketing Florida vegetables; summary of 1966 season. Washington, 1966. 66 p.,map. aHD9247.F6A3
Florida Department of Agriculture, Division of Marketing, Marketing Bureau Section, cooperating.
- U. S. CONSUMER AND MARKETING SERV. GRAD DIV. AGRICULTURAL RESEARCH CENTER. State noxious-weed seed requirements recognized in the administration of the Federal Seed Act. Beltsville, Maryland, 1966. chart. 1.942 S33St2
Includes supplement, 12 p.
- ECONOMIC RESEARCH SERVICE
- LARKIN, L. C. Marketing industrial molasses in the United States. U. S. D. A. Econ. Res. Serv. ERS-327,15 p. Dec.1966. A281.9 Ag83E
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Agriculture in the U. S.; prepared for National Advisory Commission on Food and Fiber, Jan. 11-13, 1966. Washington, 1966. 135 p.,map. aHD1753.A5
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Reserves, balance of payments developments, and economic growth, by G. R. Kruer; and International Monetary Fund: U. S. drawings, 1964-September 1966, by M. H. Spears. U. S. D. A. Econ. Res. Serv. Foreign Gold Exch. Reserves 2,22 p. Nov.1966. A284.9 Ag842

FARMER COOPERATIVE SERVICE

- MARKESON, C. B., and SAVAGE, J. K. Outdoor recreation; a new potential for cooperation. U. S. Farmer Coop. Serv. Educ. Circ. 28,9 p. Oct. 1966. A280.29 F22Fc
- RUST, I. W. Effective information devices for cooperatives. U. S. Farmer Coop. Serv. Educ. Circ. 29,14 p. Oct. 1966. A280.29 F22Fc
- SEYMOUR, W. R. The changing role of frozen food locker cooperatives. U. S. Farmer Coop. Serv. Rep. 63,12 p. Sept. 1966. A280.29 F22
- WILSON, D. W. Guidelines for organizing and operating wool marketing pools. U. S. Farmer Coop. Serv. Educ. Circ. 31,22 p. Jan. 1967. A280.29 F22Fc

FOREIGN AGRICULTURAL SERVICE

- DECOURCY, J. World production and trade: tallow and greases. U. S. Foreign Agr. Serv. FAS-M-182,28 p. Jan. 1967. A281.9 F76Fm

FOREST SERVICE

- ATKINSON, W. A., and HALL, D. O. Clearcut harvesting costs and production rates for young-growth mixed-conifer stands. U. S. Forest Serv. Res. Note PSW-114,2 p. 1966. A99.9 F7652
- BETHLAHMY, N., and KIDD, W. J. Controlling soil movement from steep road fills. U. S. Forest Serv. Res. Note INT-45,4 p. 1966. A99.9 F764Un
- BONNER, F. T. Survival and first-year growth of hardwoods planted in saturated soils. U. S. Forest Serv. Res. Note SO-32,4 p. 1966. A99.9 F7628U
- BOYER, W. D., and FAHNESTOCK, G. R. Litter in longleaf pine [*Pinus palustris*] stands thinned to prescribed densities. U. S. Forest Serv. Res. Note SO-31,4 p. 1966. A99.9 F7628U
- CARLSON, T. C. The market for wood pallets in the steel industry. U. S. Forest Serv. Res. Pap. NE-53,15 p. 1966. A99.9 F7622Un
- CARPENTER, S. B. Herbicides for site preparation: broadcast spray by mist blower tested against understory in Hawaii rain forest. U. S. Forest Serv. Res. Note PSW-115,8 p. 1966. A99.9 F7652
- CHOATE, G. A. New Mexico's forest resource. U. S. Forest Serv. Resource Bull. INT-5,59 p.,map. Ref. 1966. A99.9 F764Ub
- Rocky Mountain Forest and Range Experiment Station, cooperating.
- CHUDNOFF, M., MALDONADO, E. D., and GOYTIA, E. Solar drying of tropical hardwoods. U. S. Forest Serv. Res. Pap. ITF-2, 26 p. Ref. Apr. 1966. A99.9 F7637
- University of Puerto Rico, cooperating.
- CUPPETT, D. G. Air-drying practices in the central Appalachians. U. S. Forest Serv. Res. Pap. NE-56,19 p. Ref. 1966. A99.9 F7622Un
- CURTIS, R. O. A formula for the Douglas-fir total cubic-foot volume table from Bulletin 201. U. S. Forest Serv. Res. Note PNW-41, 8 p. July 1966. A99.9 F7625U
- DOTY, R. D., and DEITSCHMAN, G. H. Snow loads on roofs in areas of heavy snowfall. U. S. Forest Serv. Res. Note INT-43,4 p. 1966. A99.9 F764Un
- DOYLE, D. V., and MARKWARDT, L. J. Properties of southern pine in relation to strength grading of dimension lumber. U. S. Forest Serv. Res. Pap. FPL-64,62 p.,map. July 1966. A99.9 F7634U
- DUFF, J. E. A probe for accurate determination of moisture content of wood products in use. U. S. Forest Serv. Res. Note FPL-0142, 10 p.,map. Aug. 1966. A99.9 F7634Un
- FRAYER, W. E., and BARNARD, J. E. Average growth rates in southern Maine. U. S. Forest Serv. Res. Note NE-47,8 p.,map. 1966. A99.9 F7622U
- GENTRY, R. T., and WILSON, E. T. A technique for rapid collection of balsam woolly aphid [*Adelges piceae*] eggs. U. S. Forest Serv. Res. Note SE-58,2 p. June 1966. A99.9 F7623Un
- GERHARDS, C. C. Physical and mechanical properties of blackbutt eucalyptus [*Eucalyptus pilularis*] grown in Hawaii. U. S. Forest Serv. Res. Pap. FPL-65,8 p. Aug. 1966. A99.9 F7634U
- HELFMAN, R. S. A MAP [Macro Assembly Program] read-routine for IBM 7094 Fortran II binary tapes. U. S. Forest Serv. Res. Note PSW-120,3 p. 1966. A99.9 F7652
- HULL, M. K. Evaluating winds aloft by a simplified field technique. U. S. Forest Serv. Res. Note PSW-110,9 p. 1966. A99.9 F7652
- IKE, A. F. Sycamore [*Platanus occidentalis*] produces viable seed after six years. U. S. Forest Serv. Res. Note SE-62,2 p. Sept. 1966. A99.9 F7623Un
- KALNINS, M. A., STEELINK, C., and TARKOW, H. Light-induced free radicals in wood. U. S. Forest Serv. Res. Pap. FPL 58,8 p. Oct. 1966. A99.9 F7634U
- KINGSLEY, N. P. Pulpwood production in the Northeast, 1963. U. S. Forest Serv. Res. Note Forest Exp. Sta. Resource Rep. NE-3,26 p.,map. 1966. A99.9 F7622Un
- KNIGHT, H. A., and MCCLURE, J. P. North Carolina's timber. U. S. Forest Serv. Resource Bull. SE-5,47 p.,map. 1966. A99.9 F7623Ub
- LEWIS, F. B., and CONNOLA, D. P. Field and laboratory investigations of *Bacillus thuringiensis* as a control agent for gypsy moth, *Porthetria dispar* (L.). U. S. Forest Serv. Res. Pap. NE-50,38 p. Ref. 1966. A99.9 F7622Un
- LYSONS, H. H. Compatibility of balloon fabrics with ammonia. U. S. Forest Serv. Res. Note PNW-42,9 p. Sept. 1966. A99.9 F7625U
- MARQUIS, D. A. Germination & growth of paper birch [*Betula papyrifera*] & yellow birch [*Betula alleghaniensis*] in simulated strip cuttings. U. S. Forest Serv. Res. Pap. NE-54, 19 p. 1966. A99.9 F7622Un
- MITCHELL, R. G. Infestation characteristics of the balsam woolly aphid [*Chermes piceae*] in the Pacific Northwest. U. S. Forest Serv. Res. Paper PNW-35,18 p. Ref. 1966. A99.9 F7625Un
- NAGLE, G. S., and MANTHY, R. S. The market for fireplace wood in an urban area of Connecticut. U. S. Forest Serv. Res. Pap. NE-51,16 p. 1966. A99.9 F7622Un
- NELSON, R. E., and HONDA, N. Plantation timber on the Island of Hawaii, 1965. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-3,52 p.,map. 1966. aSD11.A3
- Division of Forestry, Department of Land and Natural Resources, State of Hawaii, cooperating.
- NISKALA, G. R., and CHURCH, T. W. Cutting hardwood cants can boost sawmill profits. U. S. Forest Serv. Res. Note NE-46,8 p. 1966. A99.9 F7622U
- OSWALD, D. D., and HORNIBROOK, E. M. Commercial forest area and timber volume in California, 1963. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-4,16 p. 1966. aSD11.A3
- OSWALD, D. D., and WALTON, G. S. Forest statistics for Del Norte County, California, 1965. U. S. Pacific Southwest Forest Range Exp. Sta. U. S. Forest Serv. Resource Bull. PSW-5,12 p. 1966. aSD11.A3

- PHILLIPS, J. J. Site index of yellow-poplar [*Liriodendron tulipifera*] related to soil and topography in southern New Jersey. U. S. Forest Serv. Res. Pap. NE-52, 10 p. 1966. A99.9 F7622Un
- RIETZ, R. C., and JENSON, J. A. News and views of this kiln drying business: presurfacing green oak lumber to reduce surface checking. U. S. Forest Serv. Res. Note FPL-0146, 2 p. Sept. 1966. A99.9 F7634Un
- ROBERTS, V. K. A bibliography of publications by the Intermountain Forest and Range Experiment Station on the genetics and breeding of forest trees, 1921-1965. U. S. Forest Serv. Res. Note INT-48, 3 p. 1966. A99.9 F764Un
- RODENBACH, R. C. Southern yellow pine log overruns. U. S. Forest Serv. Res. Note SE-56, 2 p. June 1966. A99.9 F7623Un
- ROE, A. L., and BENSON, R. E. Evaluating growth performance of young stands. U. S. Forest Serv. Res. Note INT-44, 7 p. 1966. A99.9 F764Un
- SCHIMKE, H. E., and DOUGHERTY, R. H. Disposal of logging slash, thinnings and brush by burying. U. S. Forest Serv. Res. Note PSW-111, 4 p. 1966. A99.9 F7652
- SQUILLACE, A. E. Racial variation in slash pine [*Pinus elliotii*] as affected by climatic factors. U. S. Forest Serv. Res. Paper SE-21, 10 p., map. Ref. Aug. 1966. A99.9 F7623U
- STEVENS, R. E. Malathion aerial spray controls the pine needle-sheath miner [*Zelleria haimbachi*]. U. S. Forest Serv. Res. Note PSW-102, 2 p. 1966. A99.9 F7652
- STRANSKY, J. J., and WILSON, D. R. Pine seedling survival under simulated drought. U. S. Forest Serv. Res. Note SO-30, 2 p. 1966. A99.9 F7628U
- TICHENOR, L. M. Research at the Institute of Forest Genetics, a bibliography, 1927-1965. Berkeley, California, U. S. Forest Service, Pacific Southwest Forest and Range Experiment Station, 1965. 18 p. aZ5991.T5
- U. S. FOREST SERV. National forest system, areas as of June 30, 1966. Washington, 1966. 20 p., map. 1 F765
- U. S. FOREST SERV. EASTERN TREE SEED LABORATORY. Thirteenth annual report, fiscal year 1966, by E. W. Belcher and L. Jones. Macon, 1966. 10 p. A99.9 T71
- Southeastern Forest Experiment Station, Georgia Forestry Commission, and Georgia Forest Research Council, cooperating.
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Differences between heartwood and sapwood. U. S. Forest Serv. Res. Note FPL-0147, 2 p. Sept. 1966. A99.9 F7634Un
- U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Defect estimation for grand fir [*Abies grandis*], Engelmann spruce [*Picea engelmannii*], Douglas-fir [*Pseudotsuga menziesii* glauca], and western larch [*Larix occidentalis*] in the Blue Mountains of Oregon and Washington, by P. E. Aho. Portland, Oregon? 1966. 26 p., map. aSD144.A13A4
- U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Rogue River National Forest, Oregon and California. Portland, Oregon, 1965. map. aSD428.R6A5
- Text on back of map.
- WILLIAMS, C. B. Differential effects of the 1944-56 spruce budworm [*Choristoneura fumiferana*] outbreak in eastern Oregon. U. S. Forest Serv. Res. Pap. PNW-33, 16 p. Ref. Apr. 1966. A99.9 F7625Uni
- WILLIAMS, C. B. Snow damage to coniferous seedlings and saplings. U. S. Forest Serv. Res. Note PNW-40, 10 p. June 1966. A99.9 F7625U
- WORTHINGTON, N. P. Labor requirements in thinning Douglas-fir and western hemlock on two experimental forests in western Washington. U. S. Forest Serv. Res. Note PNW-43, 12 p. Sept. 1966. A99.9 F7625U

SOIL CONSERVATION SERVICE

- BRIGHT, W. E., and others. Soil survey of Tippah County, Mississippi. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1963(1), 96 p., map. Ref. Feb. 15, 1966. 1 So32F
- W. I. Smith, M. C. Tyler, W. L. Watts, R. C. Carter, H. S. Galberry, and W. W. Nye, joint authors.
- Mississippi Agricultural Experiment Station, cooperating.
- GORMAN, J. L., PASTO, J. K., and CROCKER, C. D. Soil survey of Berkeley County, West Virginia. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1960(30), 141 p., map. Ref. May 1966. 1 So32F
- West Virginia Agricultural Experiment Station, cooperating.
- U. S. SOIL CONSERVATION SERV. Soil survey of Love County, Oklahoma, by A. J. Maxwell and R. Reasoner. Washington, 1966. 94 p., map. aS591.A3M32
- Oklahoma Agricultural Experiment Station, cooperating.
- U. S. SOIL CONSERVATION SERV. Soil survey of Queen Anne's County, Maryland, by E. D. Matthews, W. U. Reybold, J. R. Arno, F. G. Gladwin, R. I. Hall, F. Z. Hutton, L. W. Igen, L. E. Lindley, J. E. McCuen, and J. J. Stilwell. Washington, 1966. 117 p., map. Ref. aS591.A3M33
- Maryland Agricultural Experiment Station, cooperating.
- U. S. SOIL CONSERVATION SERV. Soil survey of Seminole County, Florida, by A. L. Furman, H. O. White, D. E. Pettry, O. E. Cruz, R. M. Craig, and L. T. Stern. Washington, 1966. 83 p., map. aS591.A3F8
- Florida Agricultural Experiment Station, cooperating.
- U. S. SOIL CONSERVATION SERV. Soil survey of St. Francis County, Arkansas, by J. L. Gray and V. R. Catlett. Washington, 1966. 81 p., map. Ref. aS591.A3G7
- Arkansas Agricultural Experiment Station, cooperating.

STATE AGRICULTURAL EXPERIMENT STATION
PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are usually available from the issuing experiment station, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

Arkansas Agricultural Experiment Station, Fayetteville

OFFUTT, M. S., HILEMAN, L. H., and STALLCUP, O. T. Effect of lime, phosphorus, and potassium on yield and composition of Korean lespedeza [*Lespedeza stipulacea*]. Ark. Agr. Exp. Sta. Bull. 717,30 p. Ref. Oct.1966. 100 Ar42

California Agricultural Experiment Station, Berkeley

MORRIS, M. A. Effect of weathering on cotton fabrics. Calif. Agr. Exp. Sta. Bull. 823,29 p. Ref. June 1966. 100 C12S
Agricultural Experiment Stations of California, Colorado, Nevada, New Mexico, Oregon, and Utah, cooperating.

DEAN, G. W., FINCH, A. J., and PETIT, J. A. Economic strategies for foothill beef cattle ranchers. Calif. Agr. Exp. Sta. Bull. 824,48 p. Ref. June 1966. 100 C12S

FRIDLEY, R. B., and ADRIAN, P. A. Mechanical harvesting equipment for deciduous tree fruits. Calif. Agr. Exp. Sta. Bull. 825,56 p. Ref. July 1966. 100 C12S

LOGAN, S. H., and KING, G. A. A study of structural aspects: beef cattle feeding and slaughtering in California. Calif. Agr. Exp. Sta. Bull. 826,47 p.,map. Ref. Aug.1966. 100 C12S

OUGH, C. S., and AMERINE, M. A. Effects of temperature on wine making. Calif. Agr. Exp. Sta. Bull. 827,36 p. Ref.,p.32-36. Oct.1966. 100 C12S

PENCE, R. J. Analyzing fur damage with a microscope. Calif. Agr. Exp. Sta. Circ. 641, 18 p. Oct.1966. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

SEASTONE, D., and FEATHER, G. The impact of tax burdens and Government expenditure benefits upon the distribution of income in Colorado. Colo. Agr. Exp. Sta. Tech. Bull. 89, 41 p. Ref.,p.40-41. Oct.1966. 100 C71S

Florida Everglades Experiment Station, Belle Glade

HAINES, C. E., and ALLEN, R. J. Grazing trial results, 1964-1965. Fla. Everglades Exp. Sta. Mimeo Rep. EES66-6,4 p. Nov.1965. 100 F663

HAINES, C. E. The value of thiabendazole to steers on pasture. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-5,5 p. Oct.1966. 100 F663

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

ORSENIGO, J. R. Primary evaluation of pre-planting, preemergence and postemergence applied herbicides in vegetable and field crops, spring, 1966. Fla. Everglades Exp. Sta. Mimeo Rep. EES67-6,36 p. Oct.1966. 100 F663

Not available free from issuing agency. Photocopies may be ordered from the National Agricultural Library.

Iowa Agricultural and Home Economics Experiment Station, Ames

SANDERS, B. L., and FLETCHER, L. B. Co-ordinated egg production and marketing in the North Central States. V. Least-cost egg marketing organization under alternative production patterns. Iowa, Agr. Home Econ. Exp. Sta. Res. Bull. 547:775-799,map. Ref. Oct.1966. 100 I09

Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and U. S. Department of Agriculture, cooperating.

Maine Agricultural Experiment Station, Orono

REED, F. D., and JEWETT, L. J. Economic characteristics of Maine's contract and independent table egg farms. Maine. Agr. Exp. Sta. Bull. 642,16 p. Aug.1966. 100 M28S

Maryland Agricultural Experiment Station, College Park

HARRIS, W. L., and others. Pneumatic handling of chopped alfalfa hay. Md. Agr. Exp. Sta. Bull. A-143,36 p. Ref. May 1966. 100 M36S

K. E. Felton, G. J. Burkhart, and N. E. Collins.

SMITH, C. R. Progress report on the study of student success in the College of Agriculture. Md. Agr. Exp. Sta. Misc. Publ. 539,68 p.,map. Sept.1965. 100 M36M

MURRAY, R. A., and REINSEL, R. D. The transfer of farm and open country real estate in six Maryland counties, 1962. Md. Agr. Exp. Sta. Misc. Publ. 557,64 p.,map. Ref.,p.61-64. June 1965. 100 M36M

SULLIVAN, D. D., and CARDOZIER, V. R. Integrating reading instruction into vocational agriculture classes. Md. Agr. Exp. Sta. Misc. Publ. 586, 18 p. Ref. Sept. 1966. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

YERGATIAN, C., and STOREY, D. A. Wholesaler egg marketing costs in Massachusetts, an analysis of the effect of volume and procurement system. Mass. Agr. Exp. Sta. Bull. 559, 60 p. Ref. Oct. 1966. 100 M38H

Published jointly with Cooperative Extension Service, College of Agriculture, University of Massachusetts.

SMYSER, C. F., and others. Forty-sixth annual report on pullorum disease eradication in Massachusetts, 1965-1966. Mass. Agr. Exp. Sta. Contr. Ser. Bull. 205, 19 p. Aug. 1966. 100 M38H

H. Van Roekel, G. H. Snoeyenbos, and D. N. Stern, joint authors.

Mississippi Agricultural Experiment Station, State College

LEWIS, W. J., and BRAZZEL, J. R. Incidence of parasitic insects on the bollworm in Mississippi. Miss. Agr. Exp. Sta. Bull. 727, 7 p. July 1966. 100 M69

Missouri Agricultural Experiment Station, Columbia

HASSINGER, E. W. What's happening to rural doctors and health facilities. Mo. Agr. Exp. Sta. Bull. 781, 8 p., map. Ref. June 1965. 100 M693

NANDI, K. K., and HARRINGTON, D. N. Credit programs of Missouri farm supply cooperatives. Mo. Agr. Exp. Sta. Bull. 799, 27 p., map. July 1965. 100 M693

TRIBBLE, L. F., and MCFATE, K. L. Limited feeding of finishing swine. Mo. Agr. Exp. Sta. Res. Bull. 882, 20 p. Mar. 1965. 100 M693

DAY, C. L., and PANDA, H. H. Bulk density of chopped alfalfa hay. Mo. Agr. Exp. Sta. Res. Bull. 891, 31 p. Aug. 1965. 100 M693

CRAMER, C. L. Meat packing: comparison of some costs and other economic factors of the industry in St. Louis with those in other areas. Mo. Agr. Exp. Sta. Spec. Rep. 52, 20 p. Feb. 1965. 100 M693Sp

WATER FORUM, COLUMBIA, MISSOURI, 1965. [Proceedings], February 2, 1965. Mo. Agr. Exp. Sta. Spec. Rep. 55, 52 p., map. Ref. 1965. 100 M693Sp

Sponsored by Missouri College of Agriculture.

ZUBER, M. S., and others. Missouri 1964 co-operative corn investigations. Mo. Agr. Exp. Sta. Spec. Rep. 58, 25 p. May 1965. 100 M693Sp

O. V. Singleton, P. J. Loesch, and V. L. Ferguson, joint authors.

WHITTED, S. F. Farm sales and Class 1 utilization of Grade A milk in Missouri, 1961-1965. Mo. Agr. Exp. Sta. Spec. Rep. 61, 19 p. Aug. 1966. 100 M693Sp

WEIR, N. G., SINGLETON, O. V., and ZUBER, M. S. 1965 Missouri hybrid corn yield trials. Mo. Agr. Exp. Sta. Spec. Rep. 62, 56 p., map. Feb. 1966. 100 M693Sp

SINGLETON, O. V., WEIR, N. G., and ZUBER, M. S. 1965 sorghum performance trials in Missouri. Mo. Agr. Exp. Sta. Spec. Rep. 63, 23 p., map. Feb. 1966. 100 M693Sp

Nevada Agricultural Experiment Station, Reno

MYLES, G. A. Water based recreation in Nevada: Tahoe. Nev. Agr. Exp. Sta. B 10, 22 p., map. Nov. 1966. 100 N41B

North Carolina Agricultural Experiment Station, State College Station, Raleigh

TOBACCO abstracts 10(11):878-1197. Nov. 1966. 241 T55

North Dakota Agricultural Experiment Station, State College Station, Fargo

YAGGIE, R. A., and LOFTSGARD, L. D. Sugar beet production costs and practices in the Red River Valley. N. Dak. Agr. Exp. Sta. Bull. 466, 32 p., map. Oct. 1966. 100 N813

Oregon Agricultural Experiment Station, Corvallis

HARWOOD, W. G., and RUDINSKY, J. A. The flight and olfactory behavior of checkered beetles (Coleoptera: Cleridae) predatory on the Douglas-fir beetle [*Dendroctonus pseudotsugae*]. Oreg. Agr. Exp. Sta. Tech. Bull. 95, 36 p. Ref., p. 34-36. July 1966. 100 Or3S

Tennessee Agricultural Experiment Station, Knoxville

HANCOCK, N. I., and QUALSET, C. O. Vernalization of winter oats. Tenn. Agr. Exp. Sta. Bull. 402, 11 p. May 1966. 100 T25S

REGIONAL PUBLICATIONS

North Central Region

SANDERS, B. L., and FLETCHER, L. B. Coordinated egg production and marketing in the North Central States. V. Least-cost egg marketing organization under alternative production patterns. Iowa Agr. Home Econ. Exp. Sta. Res. Bull. 547:775-799, map. Ref. Oct. 1966. 100 Io9

Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and U. S. Department of Agriculture, cooperating. Also North Central Regional Research Publication No. 171.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Service are usually available from the issuing extension service, except where noted, and as long as the supply lasts. The National Agricultural Library does not distribute them.

Reproductions of material not available from the various State institutions may be ordered at regular Library rates from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250.

ALABAMA - Auburn University, Agricultural Extension Service, Auburn

HUIE, J. M. Alabama timber for a growing forest industry. Auburn Univ. Ext. Circ. M-14, 88 p., map. Aug. 1966. 275.29 AL14Cm

Supported by grant from Economic Development Administration, U. S. Department of Commerce.

AUBURN UNIVERSITY, AGRICULTURAL EXTENSION SERV. Farmer cooperatives; responsibilities of members, directors, managers. Auburn Univ. Ext. Circ. S-8, 6 p. -folder. Apr. 1966. 275.29 AL14Cs

ARIZONA University, Agricultural Extension Service, Tucson

TATE, H. F., and HILGEMAN, R. H. Dates in Arizona. Ariz. Univ. Ext. Bull. A-22, rev., 32 p. Ref. May 1966. 275.29 AR42Bu

CHURCH, H. L. Pressing fabrics & garments. Ariz. Univ. Ext. Circ. 218, rev., 14 p. July 1966. 275.29 AR42

RONEY, J. N. Control the pink bollworm now! Ariz. Univ. Ext. Circ. 274, rev., 5 p. Oct. 1966. 275.29 AR42

DOTY, C. N. Helping children develop responsibility. Ariz. Univ. Ext. Circ. 292, 11 p. July 1966. 275.29 AR42

DOTY, C. N. Inexpensive play ideas for children (one to eight years). Ariz. Univ. Ext. Circ. 293, 16 p. Aug. 1966. 275.29 AR42

DOTY, C. N., and HUGGINS, J. M. A guide for family day-care mothers. Ariz. Univ. Ext. Circ. 294, 24 p. Ref. Aug. 1966. 275.29 AR42

CALIFORNIA University, Agricultural Extension Service, Berkeley

HARTMANN, H. T., and OPITZ, K. W. Olive production in California. Calif. Univ. Agr. Ext. Circ. 540, 63 p., map. Ref. Oct. 1966. 100 C12S
Published jointly with California Agricultural Experiment Station.

HOUSTON, C. E., and SCHADE, R. O. Irrigation return-water systems. Calif. Univ. Agr. Ext. Circ. 542, 8 p. Nov. 1966. 100 C12S
Published jointly with California Agricultural Experiment Station.

THOR, E., and others. Solanaceous and perennial vegetables and sweet corn: production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-2, 79 p. Mar. 1966. 275.29 C12I

H. Seney, B. Burlingame, P. S. Parsons, M. J. Snyder, J. P. Underhill, A. F. Van Maren, A. H. Holland, and M. P. Zobel, joint authors. Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

WALLACE, L. T., and O'CONNELL, T. B. Survey of California water service organizations. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-4, 42 p. July 1966. 275.29 C12I
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

FLORIDA University, Agricultural Extension Service, Gainesville

HARRISON, D. S., and BEEMAN, J. F. Diesel fuels and oils; selection and care for optimum performance. Fla. Univ. Ext. Circ. 306, 10 p. Oct. 1966. 275.29 F66C

HAWAII University, Agricultural Extension Service, Honolulu

HARRELL, G. P. Simplified sewing methods for professional results: preparation of material. Hawaii. Univ. Ext. Home Econ. Circ. 306, rev., 12 p. Feb. 1965. 275.29 H312H

HARRELL, G. P. Simplified sewing methods for professional results: construction. Hawaii. Univ. Ext. Home Econ. Circ. 307, rev., 7 p. Feb. 1965. 275.29 H312H

HARRELL, G. P. Simplified sewing methods for professional results: collars and cuffs. Hawaii. Univ. Ext. Home Econ. Circ. 308, rev., 12 p. Feb. 1965. 275.29 H312H

HARRELL, G. P. Simplified sewing methods for professional results: sleeves. Hawaii. Univ. Ext. Home Econ. Circ. 309, rev., 8 p. Feb. 1965. 275.29 H312H

HARRELL, G. P. Simplified sewing methods for professional results: formula for pleating a skirt. Hawaii. Univ. Ext. Home Econ. Circ. 311, rev., 4 p. Feb. 1965. 275.29 H312H

IDAHO University, College of Agriculture, Extension Service, Moscow

TANKERSLEY, H. C. How to obtain help in time of natural disaster. Idaho. Agr. Coll. Ext. Bull. 472, 12 p. Sept. 1966. 100 Id14

PETERSON, C. L. Planning a liquid manure handling system. Idaho. Agr. Coll. Ext. Bull. 478, 12 p. Oct. 1966. 100 Id14

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

CALEY, H. K. Infectious bovine rhinotracheitis in cattle (red nose). Kans. State Univ. Agr. Ext. L-131, rev., 6 p. -folder. Oct. 1966. 275.29 K13Le

HOBBLE, D. Children's bickering. Kans. State Univ. Agr. Ext. L-197, 6 p. -folder. July 1966. 275.29 K13Le

HOBBLE, D. To spank or not to spank. Kans. State Univ. Agr. Ext. L-195, 6 p. -folder. July 1966. 275.29 K13Le

JACKSON, M. E., MITCHELL, J. D., and WALKER, M. L. Buying quality eggs. Kans. State Univ. Ext. C-364, 8 p. -folder. Nov. 1966. 275.29 K13EX

HOWE, J. R. Facts about permanent press. Kans. State Univ. Ext. C-373, 8 p. -folder. Nov. 1966. 275.29 K13EX

KENTUCKY University, Agricultural Extension Service,
Lexington

- MILLER, H., and CORDER, G. Nitrogen in Kentucky soils; sources, reactions, and fertilization. Ky. Univ. Ext. Circ. 608, 11 p. Sept. 1966. 275.29 K415
- BURR, B. Guidelines for buying—china, glassware, silver, linens. Ky. Univ. Ext. 4-H 1069, 6 p. Nov. 1966. 275.29 K415Fh
- WISE, W. E., and SCHEIDENHELM, E. C. Precautions in using feed additives for dairy animals. Ky. Univ. Ext. Leaflet. 294, 6 p.-folder. Oct. 1966. 275.29 K415Le
- ROBERTSON, J. C., and others. Swine production guide. Ky. Univ. Ext. Misc. 339, 45 p. Nov. 1966. 275.29 K415M
- D. E. Labore, E. D. Purkisher, D. G. Waddill, W. E. Wise, B. Dean, and C. H. Chaney, joint authors.

MARYLAND University, Cooperative Extension Service,
College Park

- BEAL, G. M. Maryland tobacco; significant problems in a complex industry. Md. Univ. Ext. Agr. Econ. Inform. Ser. 33, 15 p. June 1966. 275.29 M36Agr
- CAIN, J. L. Changes in the structure of retail and wholesale food marketing in Maryland and the District of Columbia, 1929-1963. Md. Univ. Ext. Agr. Econ. Inform. Ser. 36, 48 p. June 1966. 275.29 M36Agr
- CADN, J. L. Management guide to cost control: average cost to pack green peas. Md. Univ. Ext. Agr. Econ. Inform. Ser. 37, 8 p. Sept. 1966. 275.29 M36Agr
- CAIN, J. L. Management guide to cost control: average cost to pack green beans. Md. Univ. Ext. Agr. Econ. Inform. Ser. 38, 8 p. Sept. 1966. 275.29 M36Agr
- BEITER, R. J., and LESSLEY, B. V. Census of Maryland agriculture, by counties, 1959 and 1964. Md. Univ. Ext. Agr. Econ. Inform. Ser. 39, 78 p., map. Aug. 1966. 275.29 M36Agr
- MARYLAND. UNIVERSITY. COOPERATIVE EXTENSION SERV. From the sun, the soil, the rain and the labor of man, a tobacco grows in Maryland which is unlike any other tobacco in the world. Md. Univ. Ext. Leaflet. 30, 6 p.-folder, map. Mar. 1965. 275.29 M36EL
- MCLUCKIE, V. Egg buying guides for consumers. Md. Univ. Ext. Leaflet. 32, 6 p.-folder. Feb. 1965. 275.29 M36EL
- MCLUCKIE, V. Know Maryland dairy products. Md. Univ. Ext. Leaflet. 35, 6 p.-folder. May 1965. 275.29 M36EL
- MCLUCKIE, V. Recipes for Maryland dairy products. Md. Univ. Ext. Leaflet. 36, 6 p.-folder. May 1965. 275.29 M36EL
- BAKER, R. L., JOHNSON, C. N., and SOER-GEEL, K. P. Shrubs for landscaping in Maryland. Md. Univ. Ext. Leaflet. 41, 28 p. Feb. 1966. 275.29 M36EL

MICHIGAN State University of Agriculture and Applied
Science, Cooperative Extension Service, East Lansing

- MCINTOSH, R. W. Employee motivation and work incentives in the service industries. Mich. State Univ. Ext. Ext. Bull. 483, 6 p. July 1966. 275.29 M58B
- JOHNSTON, S., and others. Growing apricots in Michigan. Mich. State Univ. Ext. Ext. Bull. 533, 9 p. Aug. 1966. 275.29 M58B
- J. E. Moulton, R. F. Carlson, and R. P. Larsen, joint authors.

MINNESOTA University, Agricultural Extension Service,
St. Paul

- ZABEL, M. Buying mattresses for comfort. Minn. Univ. Ext. Ext. Bull. 330, 15 p. Aug. 1966. 275.29 M66S
- GOODRICH, R. D., MEISKE, J. C., and JACOBS, R. E. Urea and other nonprotein nitrogen compounds for cattle and sheep. Minn. Univ. Ext. Ext. Bull. 333, 4 p. Aug. 1966. 275.29 M66S
- GOODRICH, R. D., MEISKE, J. C., and JACOBS, R. E. Vitamin A and carotene for cattle and sheep. Minn. Univ. Ext. Ext. Bull. 334, 3 p. Aug. 1966. 275.29 M66S
- GOODRICH, R. D., MEISKE, J. C., and JACOBS, R. E. Meeting the mineral requirements of cattle and sheep. Minn. Univ. Ext. Ext. Bull. 335, 4 p. Aug. 1966. 275.29 M66S
- MINNESOTA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to arrange furniture. Minn. Univ. Ext. Ext. Pam. 216, 15 p. Sept. 1966. 275.29 M66P
- JOHNSON, H. G. Dutch elm disease and community decisions. Minn. Univ. Ext. Spec. Rep. 14, 6 p.-folder. Aug. 1965. 275.29 M66Sb
- SMITH, F. J., and others. The farm supply industry, a report on opportunities and problems. Minn. Univ. Ext. Spec. Rep. 15, 101 p., map. Ref. Sept. 1965. 275.29 M66Sb
- R. A. Willson, R. J. Moeller, J. M. Foschia, and H. Hwang, joint authors.
- MOELLER, R. J., and SMITH, F. J. Financial analysis and control of the farm supply business. Minn. Univ. Ext. Spec. Rep. 17, 45 p. Ref. Sept. 1965. 275.29 M66Sb
- SMITH, F. J., and GRESHAM, J. G. Budgeting for the farm supply business. Minn. Univ. Ext. Spec. Rep. 18, 32 p. Ref. Sept. 1965. 275.29 M66Sb
- FOSCHIA, J. M. Warehouse operations in the farm supply business. Minn. Univ. Ext. Spec. Rep. 19, 33 p. Ref. Sept. 1965. 275.29 M66Sb
- HWANG, H., and HOYT, J. S. Tables of annual average rates of growth and decline. Minn. Univ. Ext. Spec. Rep. 23, 13 p. Sept. 1966. 275.29 M66Sb

MISSOURI University, College of Agriculture, Extension
Service, Columbia

- MILLER, M. F. Let's look at the soil. Mo. Univ. Ext. Circ. 864, rev., 45 p., map. Apr. 1966. 275.29 M69C

NEW JERSEY - Rutgers State University, College of
Agriculture, Extension Service, New Brunswick

- LACEY, D. B., DAVIS, S. H., and VASVARY, L. M. Rhododendrons and their kin. Rutgers State Univ. Ext. Ext. Bull. 389, 16 p. July 1966. 275.29 N46

NEW YORK - Cornell University, State College of
Agriculture, Extension Service, Ithaca

- PARKER, K. G., and others. Combating re-plant problems in orchards. Cornell Univ. Ext. Cornell Ext. Bull. 1169, 19 p. Aug. 1966. 275.29 N48E
- W. F. Mai, G. H. Oberly, K. D. Brase, and K. D. Hickey, joint authors.

ALEXANDER, F. D. Study of first-year 4-H club leaders in New York State; tenure, characteristics of leaders and evaluation of job performance by 4-H agents. Cornell Univ. Ext. Stud. 12,176 p. Mar.1966. 275.29 N48Ex

NORTH CAROLINA University, Extension Service,
State College Station, Raleigh

HOWARD, M. S., TAYLOE, G. K., and PARKER, W. R. House planning aids: U-shaped kitchen arrangements. N. C. Univ. Ext. Home Econ. Ser. 46,4 p. Oct.1966. 275.29 N811Hom

HOWARD, M. S., TAYLOE, G. K., and PARKER, W. R. House planning aids: parallel-wall kitchen arrangements. N. C. Univ. Ext. Home Econ. Ser. 48,4 p. Oct.1966. 275.29 N811Hom

TAYLOE, G. K., O'BRIEN, C. D., and PARKER, W. R. House planning aids: dining areas. N. C. Univ. Ext. Home Econ. Ser. 49,4 p. Oct. 1966. 275.29 N811Hom

HOWARD, M. S., TAYLOE, G. K., and PARKER, W. R. House planning aids: broken-U kitchen arrangements. N. C. Univ. Ext. Home Econ. Ser. 50,4 p. Oct.1966. 275.29 N811Hom

HOWARD, M. S., TAYLOE, G. K., and PARKER, W. R. House planning aids: corner storage in kitchens. N. C. Univ. Ext. Home Econ. Ser. 51,4 p. Oct.1966. 275.29 N811Hom

TAYLOE, G. K., O'BRIEN, C. D., and PARKER, W. R. House planning aids: workrooms. N. C. Univ. Ext. Home Econ. Ser. 52,4 p. Oct. 1966. 275.29 N811Hom

TAYLOE, G. K., and O'BRIEN, C. D. House planning aids: storage for cleaning equipment. N. C. Univ. Ext. Home Econ. Ser. 53,2 p. Oct. 1966. 275.29 N811Hom

HOWARD, M. S., TAYLOE, G. K., and PARKER, W. R. House planning aids: household linen storage. N. C. Univ. Ext. Home Econ. Ser. 54,4 p. Oct.1966. 275.29 N811Hom

TAYLOE, G. K., PARKER, W. R., and HOWARD, M. S. House planning aids: laundry areas. N. C. Univ. Ext. Home Econ. Ser. 55, 4 p. Oct.1966. 275.29 N811Hom

OREGON State University, Federal Cooperative Extension Service, Corvallis

DUNCAN, A. A. Tomatoes in the garden. Oreg. State Univ. Ext. FS 53,rev.,2 p. Nov. 1966. 275.29 Or36

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

HARVEY, L. H. Defoliate cotton for higher quality. Clemson Univ. Ext. Cotton Leaflet. 3,6 p.-folder. July 1966. 275.29 So86C

CLEMSON UNIVERSITY, EXTENSION SERV. South Carolina quality cotton; cotton gin quality standards. Clemson Univ. Ext. Cotton Leaflet. 4,8 p.-folder. Aug.1966. 275.29 So86C

CLEMSON UNIVERSITY, EXTENSION SERV. Micronaire, a cotton fiber quality factor. Clemson Univ. Ext. Cotton Leaflet. 5,4 p. Oct. 1966. 275.29 So86C

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

AANDERUD, W. G., and CRANDALL, F. Planning for more profitable use of resources. S. Dak. State Univ. Ext. Circ. 652,94 p. Sept.1966. 275.29 So85

MOORE, E. After the funeral—handling the personal estate. S. Dak. State Univ. Ext. FS 320,4 p. Oct.1966. 275.29 So85Fs

MARTIN, D. Growing perennial flowers in South Dakota. S. Dak. State Univ. Ext. FS 323, 4 p. Oct.1966. 275.29 So85Fs

PROGULSKE, D., and others. Venison, care and cooking. S. Dak. State Univ. Ext. FS 324, rev.,8 p. Oct.1966. 275.29 So85Fs
H. Tuma, R. Wills, and K. Schneider, joint authors.

TENNESSEE University, Agricultural Extension Service, Knoxville

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. How to control the alfalfa weevil. Tenn. Univ. Ext. Publ. 433,rev.,8 p.-folder. Oct.1966. 275.29 T25

STRICKLAND, L. J., and others. Lend a hand for beauty. Tenn. Univ. Ext. Publ. 552,8 p. Nov.1966. 275.29 T25

J. W. Brimm, D. B. Williams, E. B. Jenkins, J. B. Sharp, and L. Farmer, joint authors.

WILLIAMS, J. N., MILLER, W. M., and BURNS, J. D. How good is your feed? Tenn. Univ. Ext. Publ. 553,12 p.-folder. Nov.1966. 275.29 T25

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Fresh vegetable buying guide. Tenn. Univ. Ext. SP 148,chart. Aug. 1965. 275.29 T25Sp

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

PORTER, M. Convenience foods. Va. Polytech. Inst. Ext. Leaflet. 300,4 p. Oct.1966. 275.29 V81L

BARTON, J. A. Vitamin C. Va. Polytech. Inst. Ext. Leaflet. 301,4 p. Nov.1966. 275.29 V81L

BARTON, J. A. Protein. Va. Polytech. Inst. Ext. Leaflet. 302,4 p. Nov.1966. 275.29 V81L

BARTON, J. A. Calcium. Va. Polytech. Inst. Ext. Leaflet. 303,2 p. Nov.1966. 275.29 V81L

REGIONAL PUBLICATIONS

Pacific Northwest

FRASIER, R. C. You and tension. PNW (Pacific Northwest Coop. Ext.) Bull. 85,12 p. Nov.1966. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS

Includes publications received in the Library during the
preceding month.

ABUL-NASR, S. E. Report to the Government of Saudi Arabia on plant protection development. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2077, 8 p. 1965. 281.9 F733E

BHADRAN, C. A. R. Report to the Government of Surinam on the introduction of regular forest management (with special reference to the preparation of a first working plan for the Mapane Unit of the forests of Surinam). Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2071, 32 p., map. 1965. 281.9 F733E

BISHOP, R. A. Report to the Government of Turkey on project formulation and appraisal. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2131, 13 p. 1966. 281.9 F733E

BLANKSMA, E. Rapport au Gouvernement de la Syrie sur l'amélioration et la modernisation de la culture du tabac [Report to the Government of Syria on the improvement and modernization of tobacco culture]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2053, 13 p. 1965. 281.9 F733E

BLODGETT, R. O. Final report to the Government of the Republic of Iraq for the development and improvement of the production of milk. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1726, 24 p. 1963. 281.9 F733E

BOA, W. Equipment and methods for tied ridge cultivation. Food Agr. Organ. UN. Land Water Develop. Div. Inform. Working Bull. 28, 46 p. Ref. 1966. 290.9 F732

FAO LIBRARY list of recent accessions, Sept. 1966. 57 p. 241 F7322

FAO LIBRARY list of recent accessions, Oct. 1966. 60 p. 241 F7322

FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. Report. Rome, 1966. 40 p. (Food and Agriculture Organization of the United Nations. Report No. PL/1965/15) SB951.F6

Plant protection; includes summaries of papers.

FAO TECHNICAL CONFERENCE ON THE IMPROVEMENT OF DATE PRODUCTION AND PROCESSING, 2, BAGHDAD, 1965. Report. Rome, Food and Agriculture Organization of the United Nations, 1966. 23 p. Ref. SB364.F6

FERBER, E. Report to the Government of the Sudan on food and nutrition policy. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1648, 12 p. 1963. 281.9 F733E

FOOD and agricultural legislation 14(2), 49 p. Dec. 1965. 389.59 F732

FOOD and agricultural legislation 14(3), various paging. Mar. 1966. 389.59 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Agricultural commodities—projections for 1975 and 1985. Volume I-II. Rome? 1966. 2 v. (CCP 67/3) 389.9 F7354Co

Committee on Commodity Problems, forty-first session.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of forest products statistics, 1966. Rome 1966. 144 p. 99.9 V3

Text also in French and Spanish.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report to the Government of British Honduras. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2100, 13 p., map. 1965. 281.9 F733E

Based on the work of J. K. W. Dres and J. Meyer.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report to the Government of Kenya on tuna longline fishing and in-shore fishing. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2102, 19 p. 1965. 281.9 F733E

Based on the work of H. Miyamoto.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report to the government of the Philippines on experimental tuna longlining. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2040, 31 p. 1965. 281.9 F733E

Based on the work of T. Suzuki.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report to the governments of Argentina, Brazil and Uruguay on development of the marine fisheries biology research program. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1917, 23 p. Ref., p. 20-23. Nov. 1964. 281.9 F733E

Based on the work of J. P. Wise.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, NATIONAL ITALIAN COMMITTEE. Notiziario 16(9), 22 p. Sept. 1966. 280.9 F7323

FREDERIKS, H. H. J. Interim report to the Government of Pakistan on foot and mouth disease control in East Pakistan. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1970, various paging. 1965. 281.9 F733E

HALL, D. W. Some essential considerations on the storage of food grains, particularly cereals, legumes and oilseeds in tropical Africa. Food Agr. Organ. UN. Land Water Develop. Div. Inform. Working Bull. 24, 176 p. Dec. 1963. 290.9 F732

Bibliography, p. 170-176.

HEINRICH, W. O. Informe al Gobierno de Costa Rica sobre el control de las plagas del café durante la erupción del Irazú [Report to the Government of Costa Rica on control of coffee pests during the eruption of Irazú]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2162, 11 p. 1966. 281.9 F733E

HEINSDIJK, D., and BASTOS, A. DE M. Report to the Government of Brazil on forest inventories in the Amazon. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2080, 78 p., map. 1965. 281.9 F733E

HIGGS, J. Vertical integration in Western Europe. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(12), 53 p. Dec. 1966. 251 F73Mb

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Symposium on mechanical barking of timber, Helsinki, 1965. Volume 1. New York, 1966. 220 p. Ref. 99.9 F73Fe

Papers in English or French.

KAUTER, A. J. Report to the Government of Yugoslavia on methods of improving the production and conservation of forage. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 648, 20 p. 1957. 281.9 F733E

Text also in German.

LOO, C. C. Report to the Government of Iraq on technical assistance in milk plant management. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1712, 12 p. May 1963. 281.9 F733E

MAAN, W. J. The use of aircraft in the mechanization of agricultural production. Food Agr. Organ. UN. Land Water Develop. Div. Inform. Working Bull. 26, 79 p. Ref. 1965. 290.9 F732

OWENS, T. R. Report to the Government of Pakistan on milk marketing in the Karachi Milk Supply Scheme. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2113,15 p. 1965. 281.9 F733E

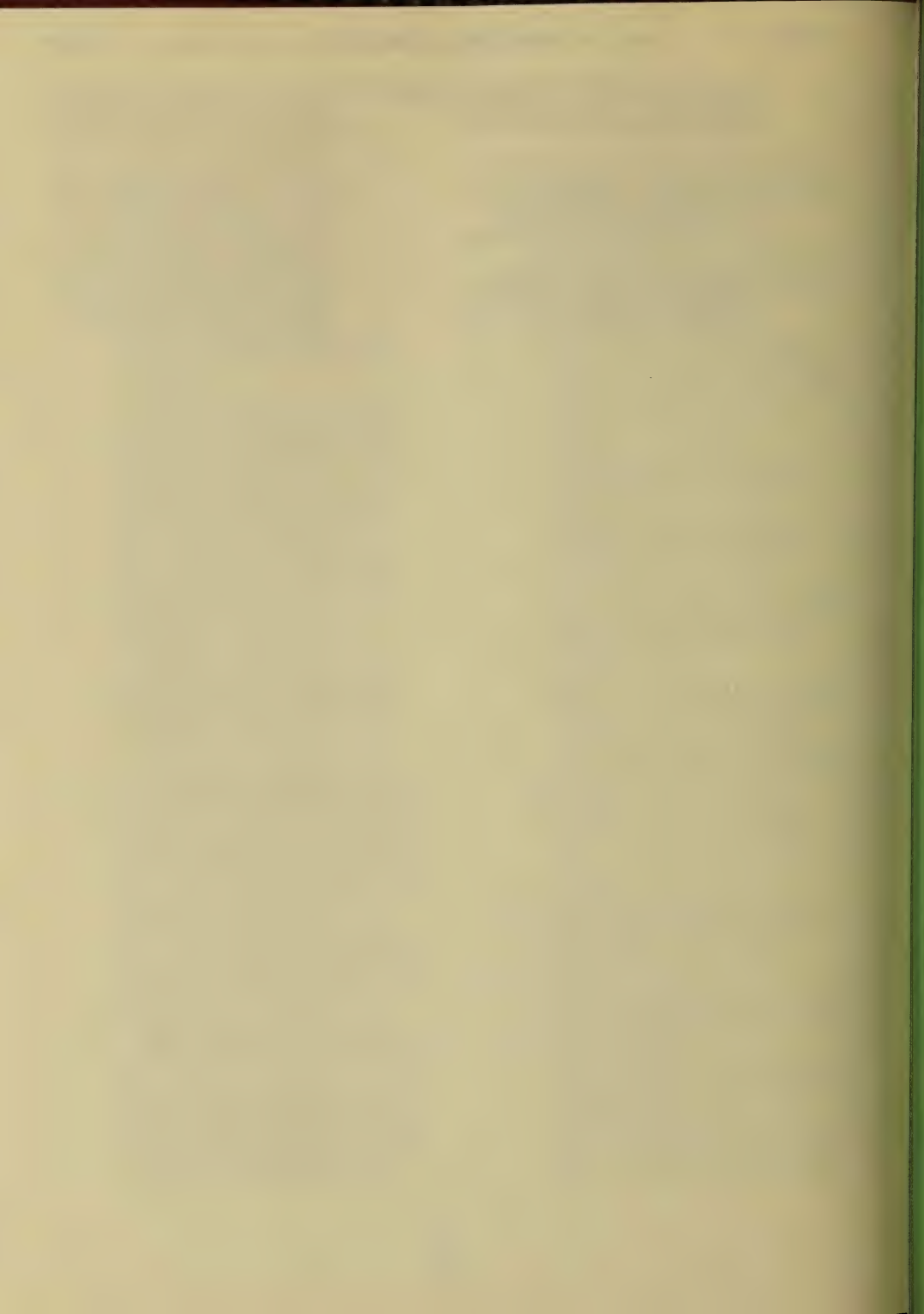
SOTELO, L. V. Informe al Gobierno del Paraguay sobre programa de alimentacion y educacion nutricional—P.A.E.N. [Report to the Government of Paraguay on the program of nutrition and nutritional education]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2125,13 p. 1966. 281.9 F733E

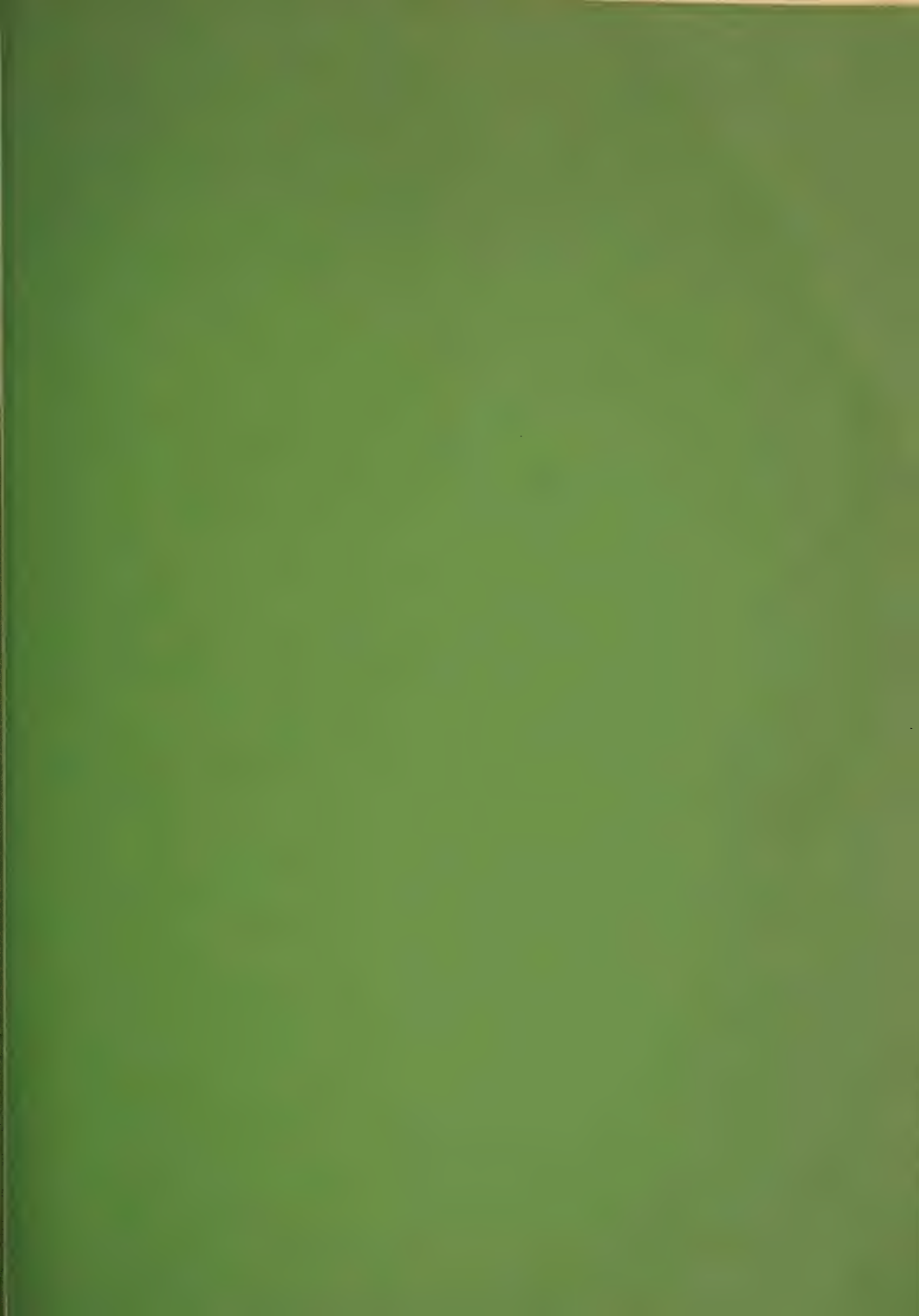
SPEER, W. S. Report to the Government of Yugoslavia; multiple purpose development, Sava River Basin, Yugoslavia. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2129,11 p. 1966. 281.9 F733E

THOMANN, W. Informe al Gobierno de Costa Rica sobre el desarrollo de la produccion avicola [Report to the Government of Costa Rica on the development of poultry production]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2092,9 p. 1966. 281.9 F733E

VELDMAN, M. M. Les possibilites d'elevage bovin sur le Littoral Algerien [The possibilities of cattle raising on the Algerian Coast]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2046,21 p. 1965. 281.9 F733E

WAGNER, O. Nouvelles donnees scientifiques sur la neige, la couverture neigeuse, les avalanches et la correction des avalanches [New scientific data on snow, snow cover, avalanches and the correction of avalanches]. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/EFC/TORR 23,88 p. Ref.,p.58-62. 1959. 290.9 F73





UNITED STATES DEPARTMENT OF AGRICULTURE

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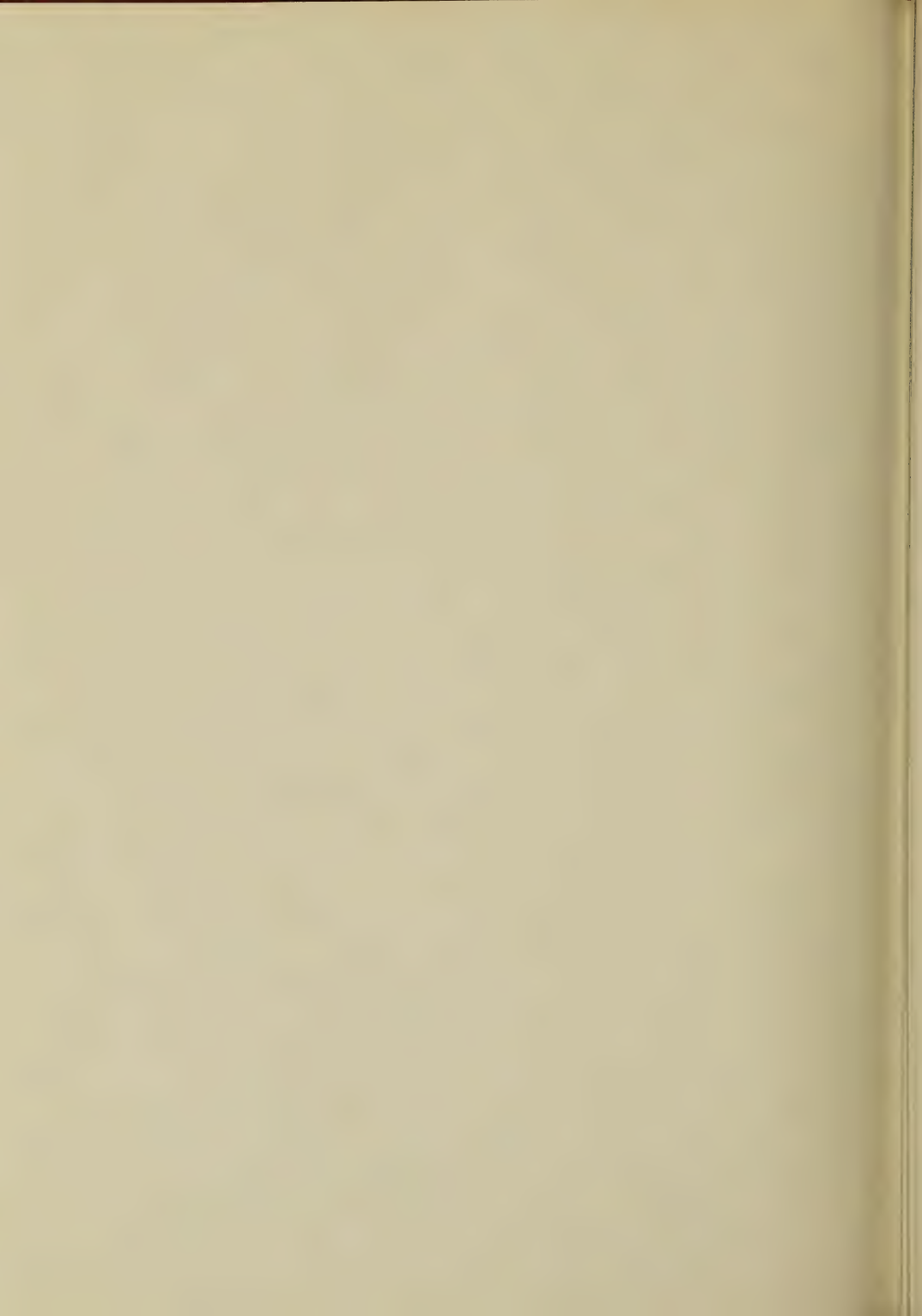
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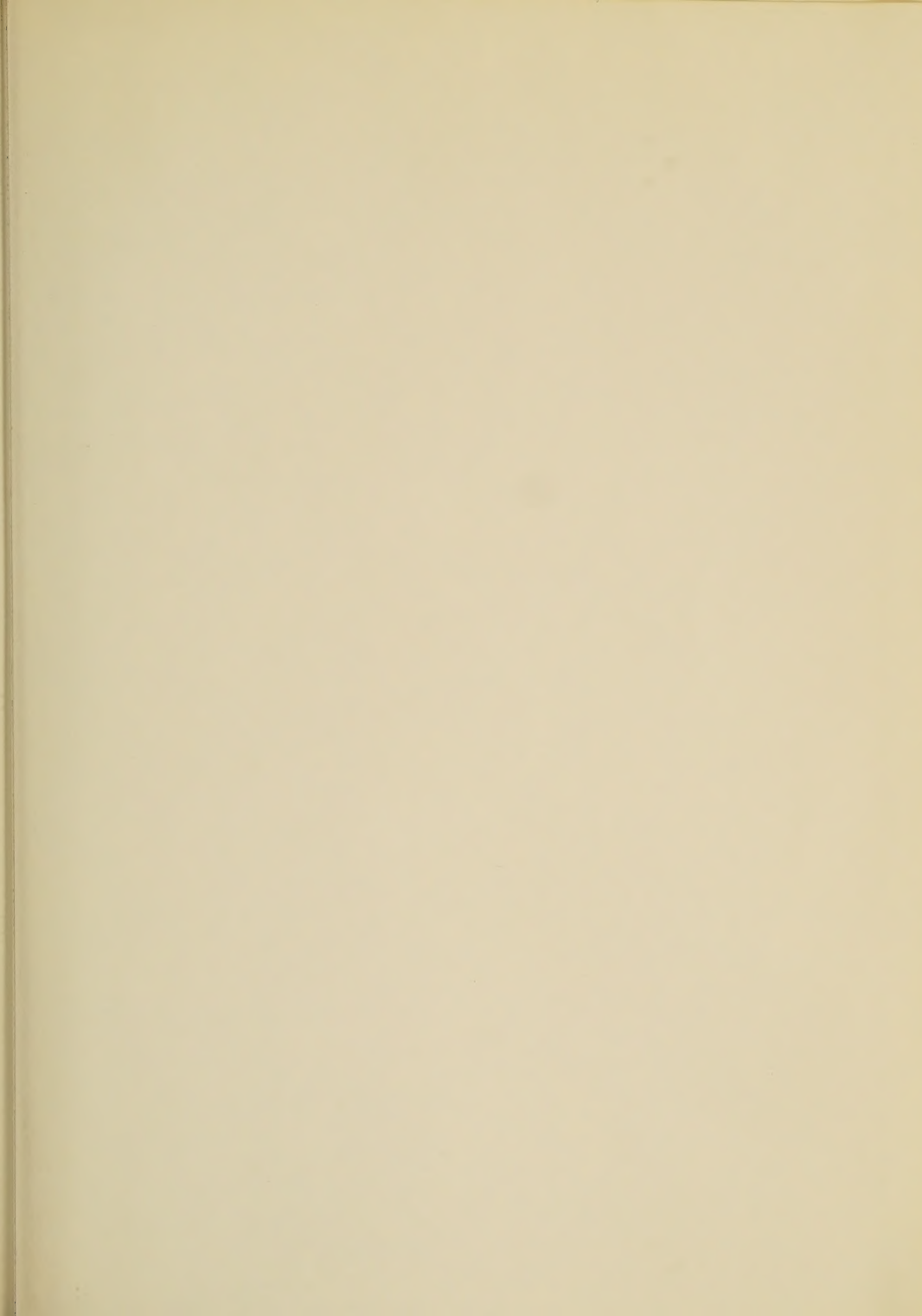
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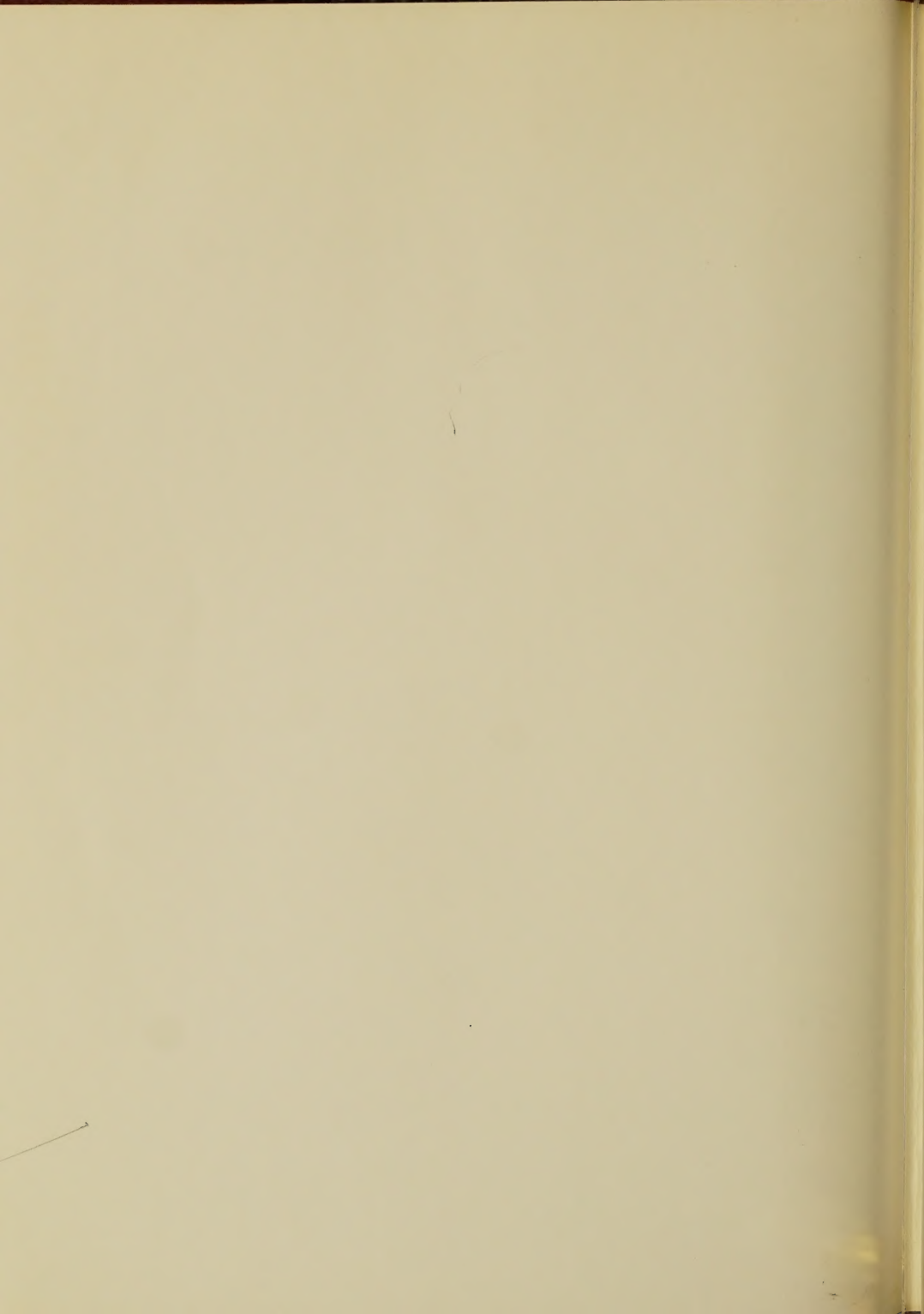
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